



**hertz®**



## HERA

### CONTENTS - İÇERİK

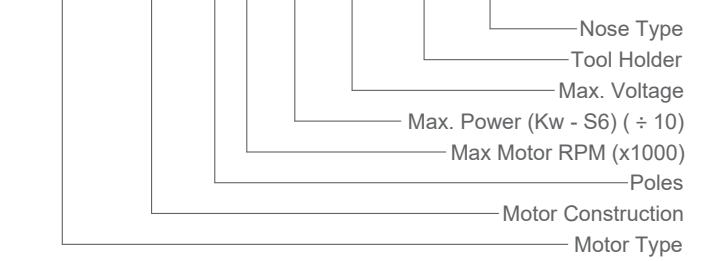
#### HERA 519

HERA 519\_4.24.090.380\_LN-ISO30  
HERA 519\_4.24.090.380\_SN-ISO30

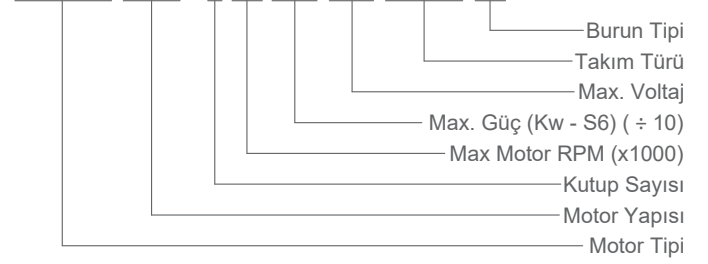
#### HERA 509

HERA 509\_4.12.090.380\_ISO30  
HERA 509\_4.06.060.380\_ISO30  
HERA 509\_4.03.033.380\_ISO30

#### HERA 519\_4.24.090.380.ISO30.LN



#### HERA 519\_4.24.090.380.ISO30.LN



## HS

### CONTENTS - İÇERİK

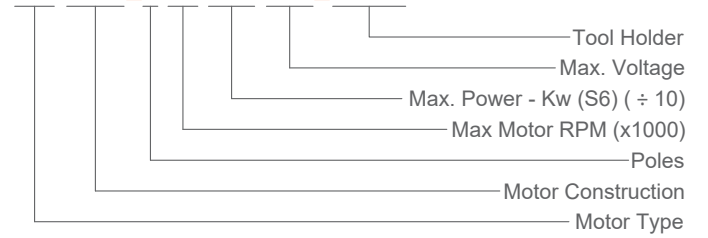
#### HS 315

HS315\_4.24.045.380\_ISO30  
HS315\_2.24.045.380\_ISO30  
HS315\_4.18.045.380\_ISO30  
HS315\_2.18.045.380\_ISO30  
HS315\_4.12.045.380\_ISO30  
HS315\_2.12.045.380\_ISO30  
HS315\_4.06.035.380\_ISO30  
HS315\_4.03.015.380\_ISO30

#### HS 316

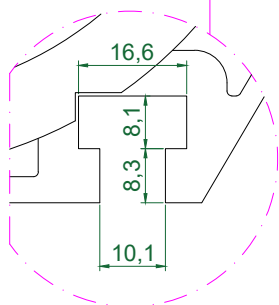
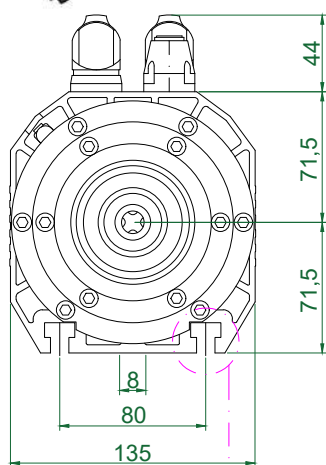
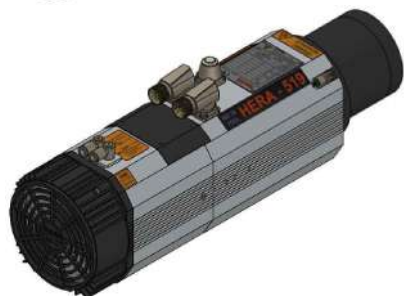
HS316\_4.24.055.380\_ISO30  
HS316\_2.24.055.380\_ISO30  
HS316\_4.18.055.380\_ISO30  
HS316\_2.18.055.380\_ISO30  
HS316\_4.12.050.380\_ISO30  
HS316\_2.12.047.380\_ISO30  
HS316\_4.06.043.380\_ISO30  
HS316\_4.03.016.380\_ISO30

#### HS 315\_4.24.045.380\_ISO30

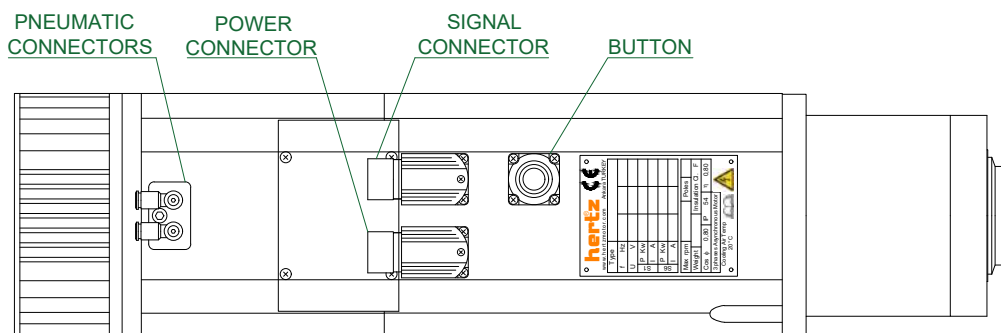
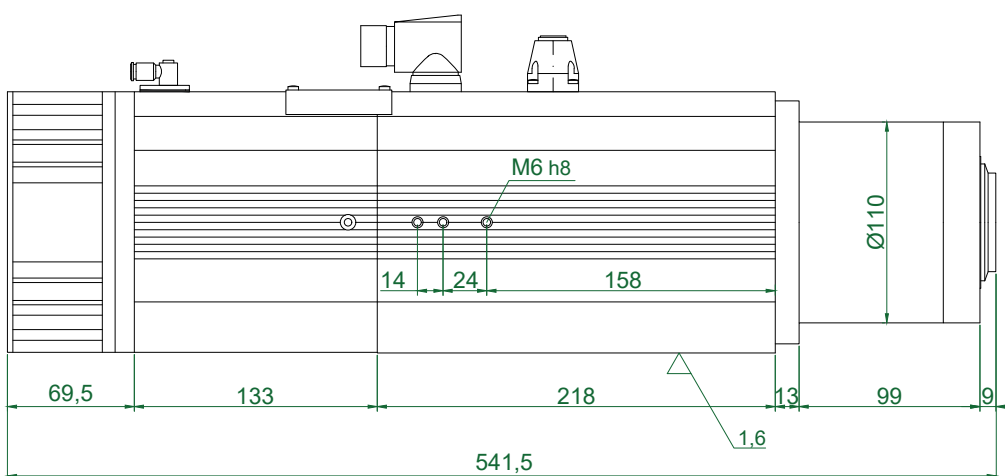
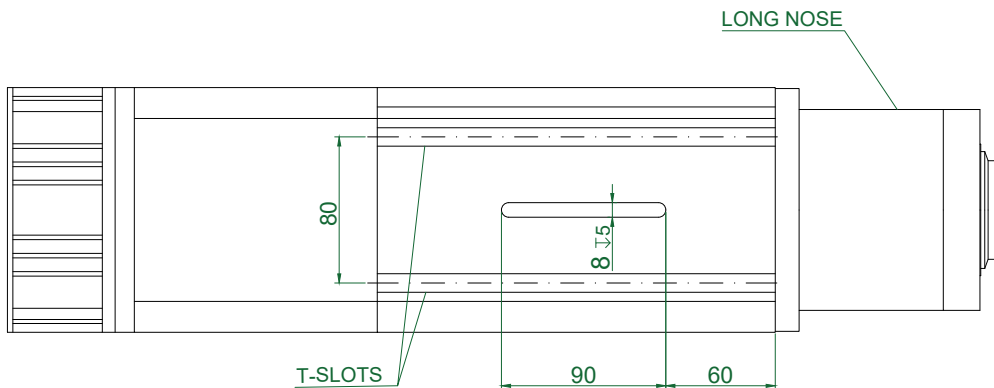
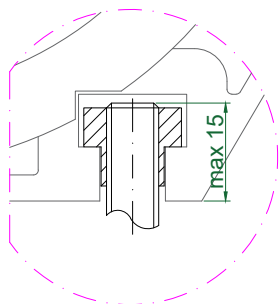


#### HS 315\_4.24.045.380\_ISO30





T-Slot Dimensions



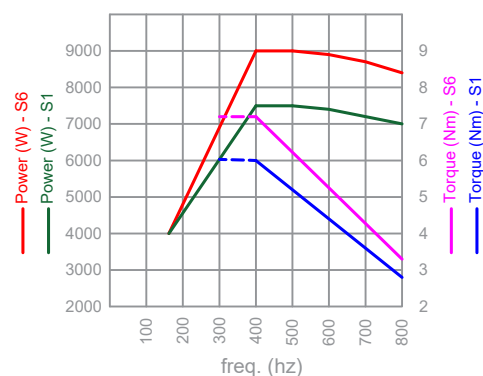
## HERA 519\_4.24.090.380\_ISO30-LN

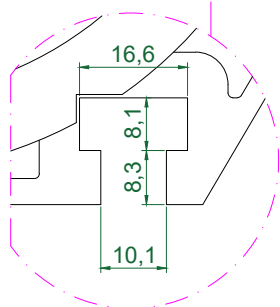
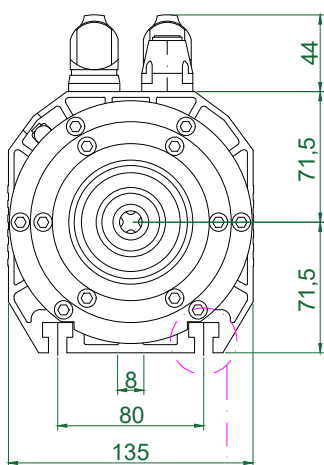
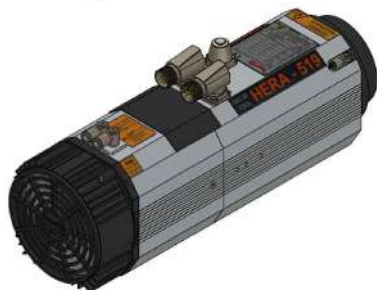
| freq.   | 800 Hz    | 600 Hz    | 400 Hz    | Poles      | 4    |
|---------|-----------|-----------|-----------|------------|------|
| Speed   | 24000 rpm | 18000 rpm | 12000 rpm | Ip         | 54   |
| Voltage | 380 V     | 380 V     | 340 V     | Cosφ       | 0,80 |
| Kw      | 7,0 Kw    | 7,4 Kw    | 7,5 Kw    | η          | 0,80 |
| A       | 14,5 A    | 14,9 A    | 15,2 A    | Ins.Cl.    | F    |
| Kw      | 8,4 Kw    | 8,9 Kw    | 9,0 Kw    | 3 ~ phases |      |
| A       | 17,8 A    | 18,8 A    | 20,1 A    | Async. Mot |      |

## ELECTRIC FAN

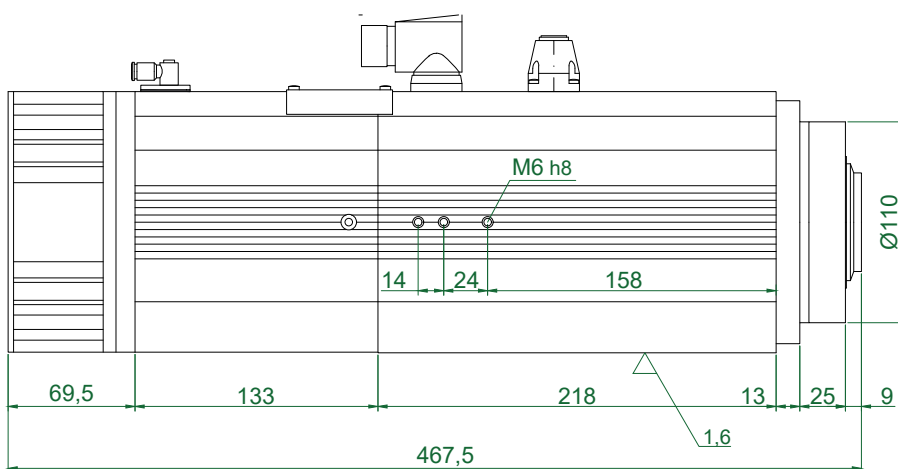
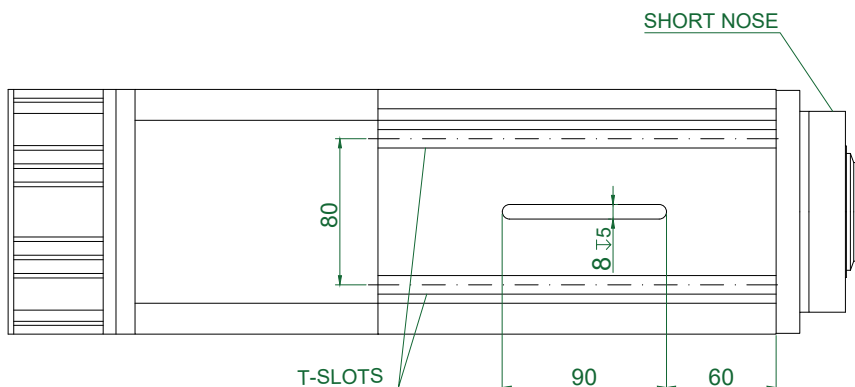
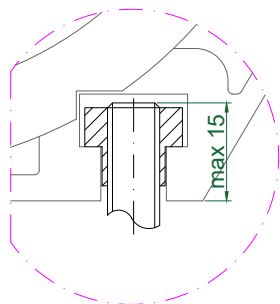
|                   |     |      |
|-------------------|-----|------|
| Nominal Voltage   | VDC | 24   |
| Power Consumption | W   | 17,5 |

|        |    |      |
|--------|----|------|
| Weight | Kg | 27,5 |
|--------|----|------|

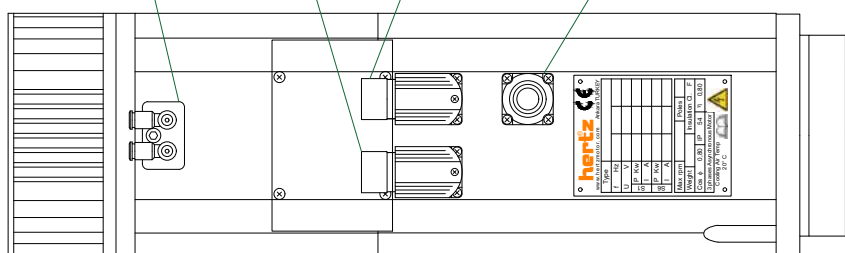




T-Slot Dimensions



PNEUMATIC CONNECTORS POWER CONNECTOR SIGNAL CONNECTOR BUTTON



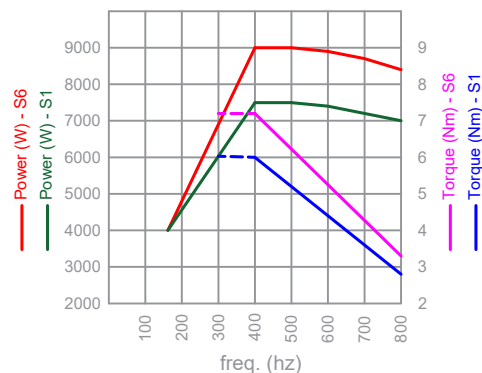
## HERA 519\_4.24.090.380\_ISO30-SN

| freq.   | 800 Hz    | 600 Hz    | 400 Hz    | Poles      | 4    |
|---------|-----------|-----------|-----------|------------|------|
| Speed   | 24000 rpm | 18000 rpm | 12000 rpm | Ip         | 54   |
| Voltage | 380 V     | 380 V     | 340 V     | Cosφ       | 0,80 |
| Kw      | 7,0 Kw    | 7,4 Kw    | 7,5 Kw    | η          | 0,80 |
|         | 14,5 A    | 14,9 A    | 15,2 A    | Ins.Cl.    | F    |
| Kw      | 8,4 Kw    | 8,9 Kw    | 9,0 Kw    | 3 ~ phaes  |      |
|         | 17,8 A    | 18,8 A    | 20,1 A    | Async. Mot |      |

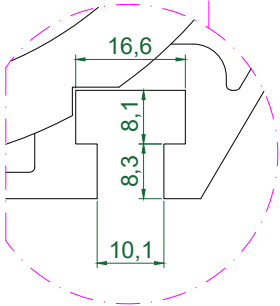
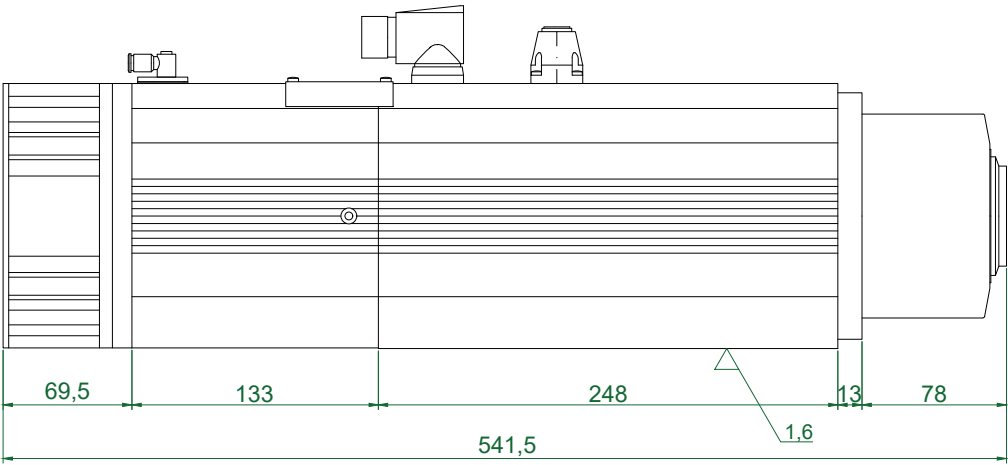
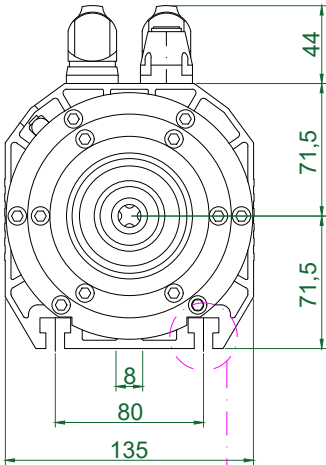
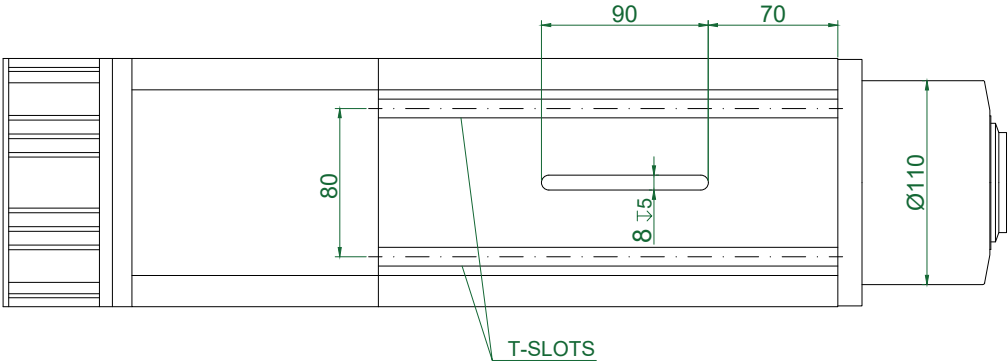
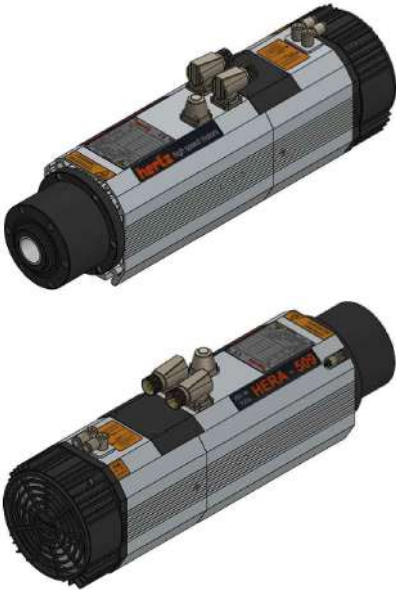
## ELECTRIC FAN

|                   |     |      |
|-------------------|-----|------|
| Nominal Voltage   | VDC | 24   |
| Power Consumption | W   | 17,5 |

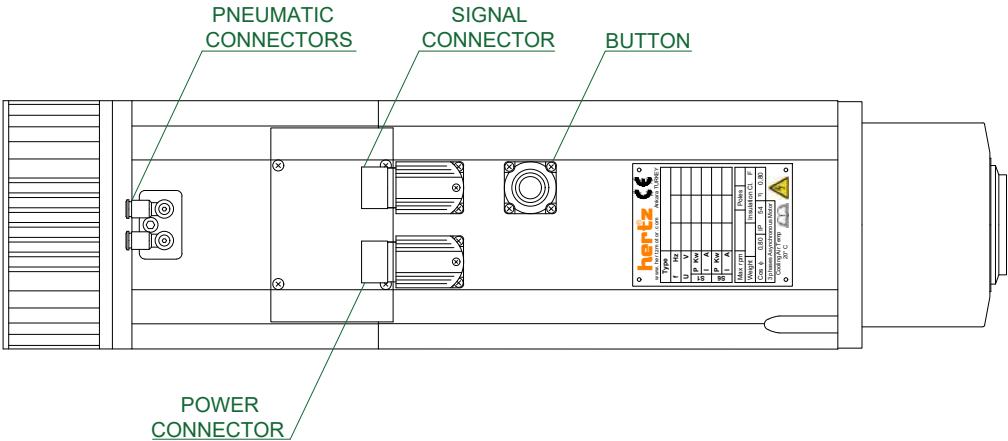
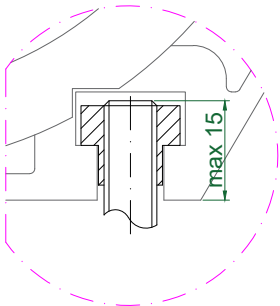
|        |    |      |
|--------|----|------|
| Weight | Kg | 23,5 |
|--------|----|------|



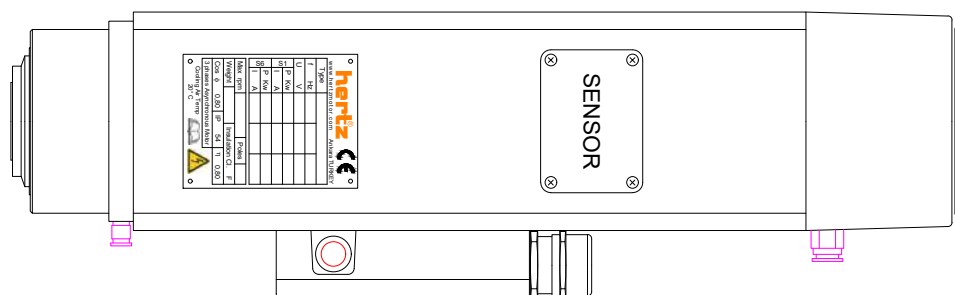
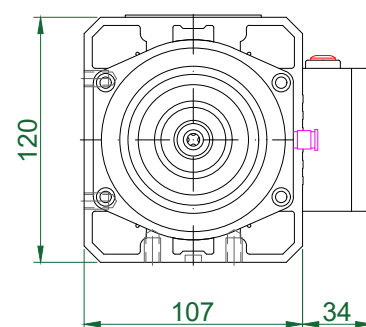
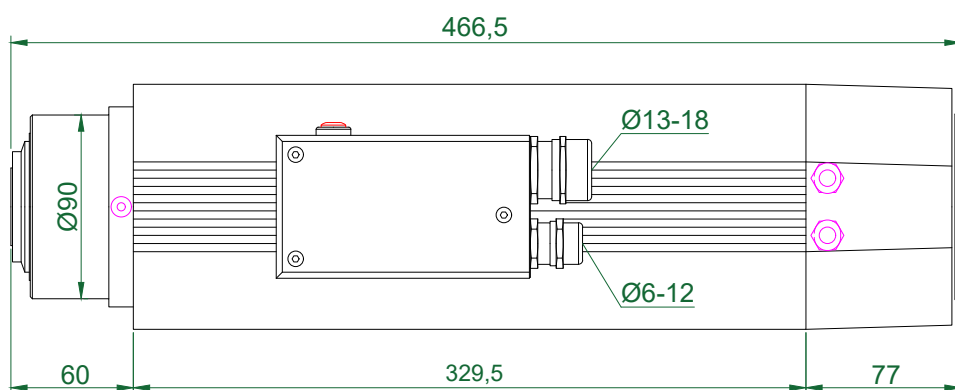
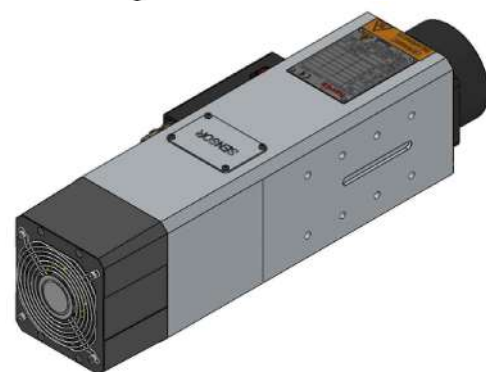
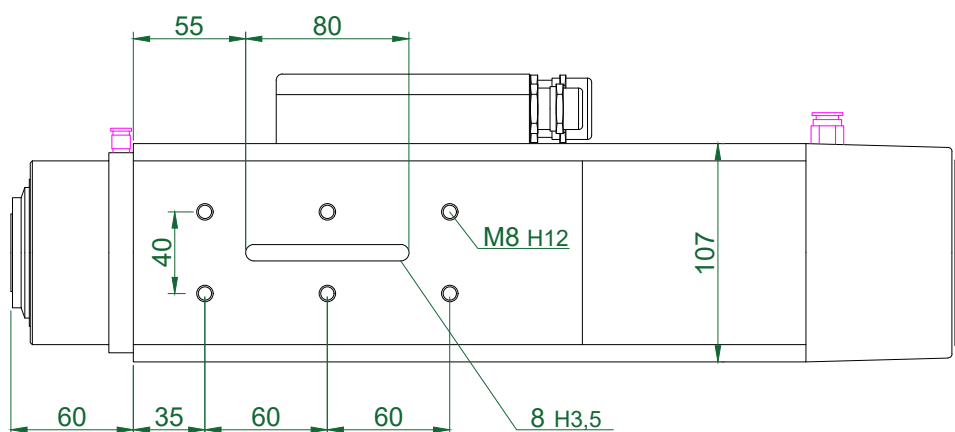
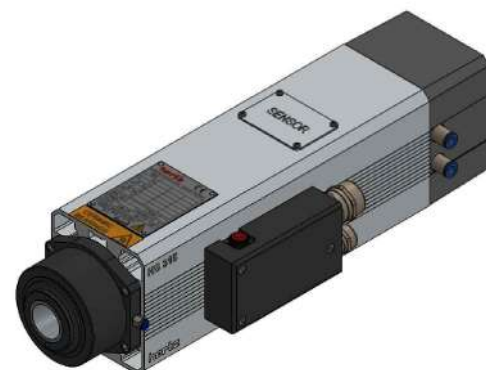
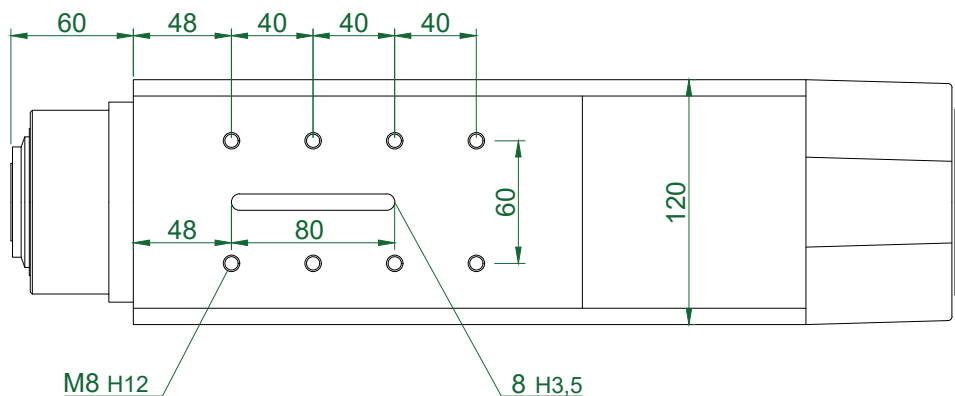
| TYPE                       | MAX SPEED | BASE SPEED | MAX POWER (kW) |     | MAX FREQ. | VOLTAGE |          | Weight | COOLING FAN |
|----------------------------|-----------|------------|----------------|-----|-----------|---------|----------|--------|-------------|
|                            | rpm       | rpm        | S6             | S1  | hz        | BASE    | OPTIONAL | Kg.    | VOLTAGE     |
| HERA509_4.12.090.380_ISO30 | 12000     | 12000      | 9,0            | 7,5 | 400       | 380     | 220      | 26,5   | DC 24 V.    |
| HERA509_4.06.060.380_ISO30 | 6000      | 6000       | 6,0            | 5,5 | 200       | 380     | 220      | 26,5   | DC 24 V.    |
| HERA509_4.03.033.380_ISO30 | 3000      | 3000       | 3,3            | 3,0 | 100       | 380     | 220      | 26,5   | DC 24 V.    |



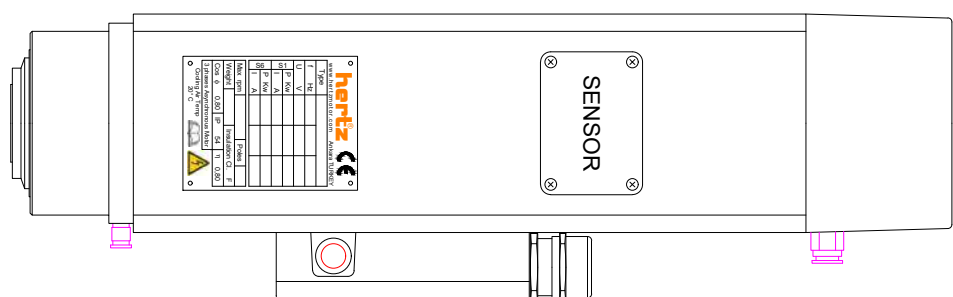
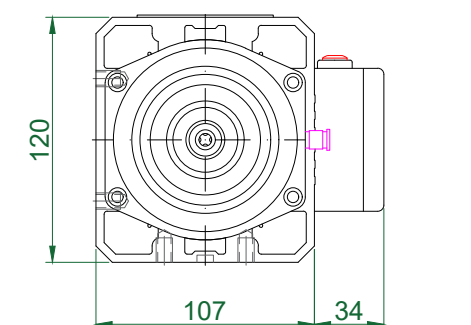
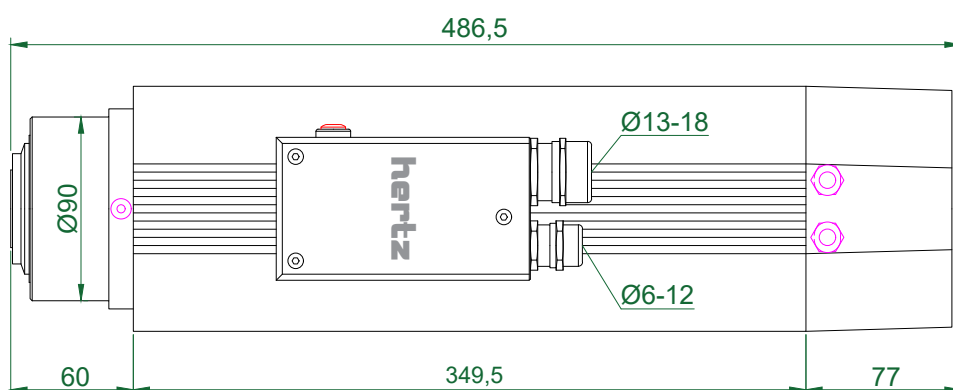
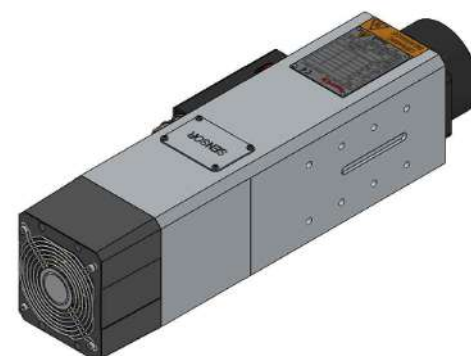
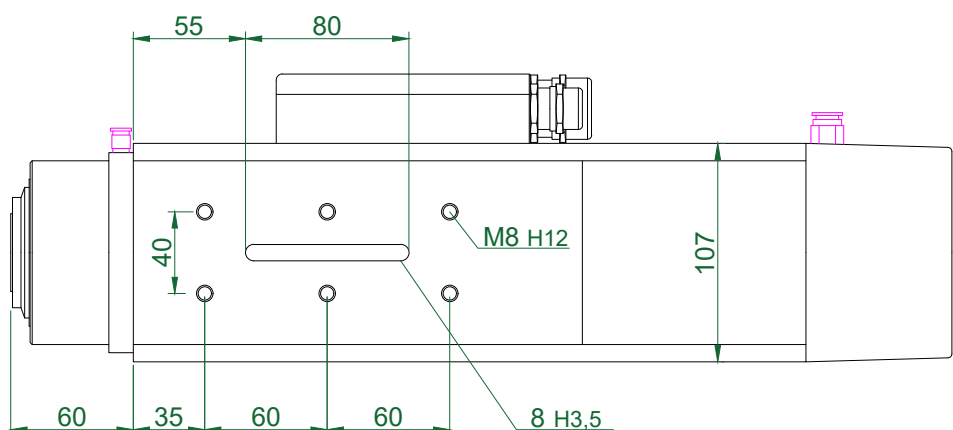
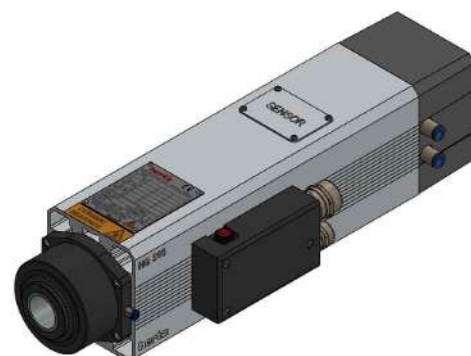
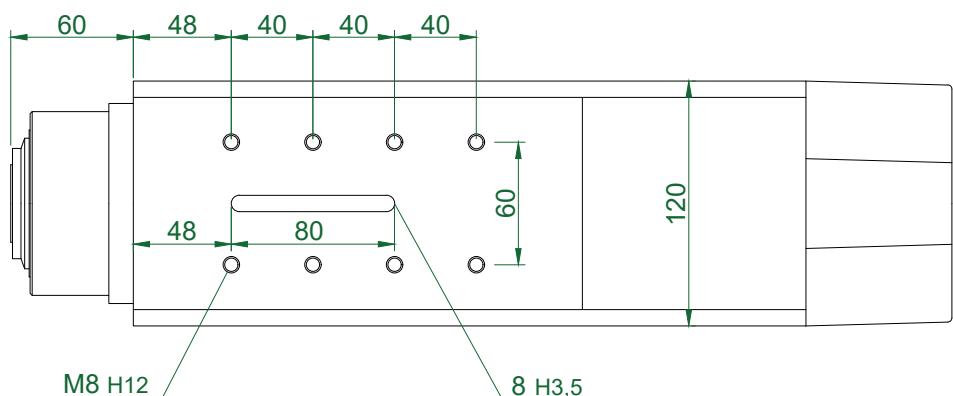
T-Slot Dimensions



| TYPE                     | MAX SPEED | BASE SPEED | MAX POWER (kW) |     | MAX FREQ. | VOLTAGE |          |           | Weight | COOLING FAN |
|--------------------------|-----------|------------|----------------|-----|-----------|---------|----------|-----------|--------|-------------|
|                          | rpm       | rpm        | S6             | S1  | hz        | BASE    | OPTIONAL |           | Kg.    | VOLTAGE     |
| HS315_4.24.045.380_ISO30 | 24000     | 18000      | 4,5            | 4,0 | 800       | 380     | 220      | 220 / 380 | 15,4   | DC 24 V.    |
| HS315_2.24.045.380_ISO30 | 24000     | 18000      | 4,5            | 4,0 | 400       | 380     | 220      | 220 / 380 | 15,4   | DC 24 V.    |
| HS315_4.18.045.380_ISO30 | 18000     | 18000      | 4,5            | 4,0 | 600       | 380     | 220      | 220 / 380 | 15,4   | DC 24 V.    |
| HS315_2.18.045.380_ISO30 | 18000     | 18000      | 4,5            | 4,0 | 300       | 380     | 220      | 220 / 380 | 15,4   | DC 24 V.    |
| HS315_4.12.045.380_ISO30 | 12000     | 12000      | 4,5            | 4,0 | 400       | 380     | 220      | 220 / 380 | 15,4   | DC 24 V.    |
| HS315_2.12.045.380_ISO30 | 12000     | 12000      | 4,5            | 4,0 | 200       | 380     | 220      | 220 / 380 | 15,4   | DC 24 V.    |
| HS315_4.06.035.380_ISO30 | 6000      | 6000       | 3,5            | 3,0 | 200       | 380     | 220      | 220 / 380 | 15,4   | DC 24 V.    |
| HS315_4.03.015.380_ISO30 | 3000      | 3000       | 1,5            | 1,3 | 100       | 380     | 220      | 220 / 380 | 15,4   | DC 24 V.    |



| TYPE                     | MAX SPEED | BASE SPEED | MAX POWER (kW) |     | MAX FREQ. | VOLTAGE |          |           | Weight | COOLING FAN |
|--------------------------|-----------|------------|----------------|-----|-----------|---------|----------|-----------|--------|-------------|
|                          | rpm       | rpm        | S6             | S1  | hz        | BASE    | OPTIONAL |           | Kg.    | VOLTAGE     |
| HS316_4.24.055.380_ISO30 | 24000     | 18000      | 5,5            | 5,0 | 800       | 380     | 220      | 220 / 380 | 16,8   | DC 24 V.    |
| HS316_2.24.055.380_ISO30 | 24000     | 18000      | 5,5            | 5,0 | 400       | 380     | 220      | 220 / 380 | 16,8   | DC 24 V.    |
| HS316_4.18.055.380_ISO30 | 18000     | 18000      | 5,5            | 5,0 | 600       | 380     | 220      | 220 / 380 | 16,8   | DC 24 V.    |
| HS316_2.18.055.380_ISO30 | 18000     | 18000      | 5,5            | 5,0 | 300       | 380     | 220      | 220 / 380 | 16,8   | DC 24 V.    |
| HS316_4.12.050.380_ISO30 | 12000     | 12000      | 5,0            | 4,6 | 400       | 380     | 220      | 220 / 380 | 16,8   | DC 24 V.    |
| HS316_2.12.047.380_ISO30 | 12000     | 12000      | 5,0            | 4,6 | 200       | 380     | 220      | 220 / 380 | 16,8   | DC 24 V.    |
| HS316_4.06.043.380_ISO30 | 6000      | 6000       | 4,0            | 4,3 | 200       | 380     | 220      | 220 / 380 | 16,8   | DC 24 V.    |
| HS316_4.03.016.380_ISO30 | 3000      | 3000       | 1,6            | 1,4 | 100       | 380     | 220      | 220 / 380 | 16,8   | DC 24 V.    |



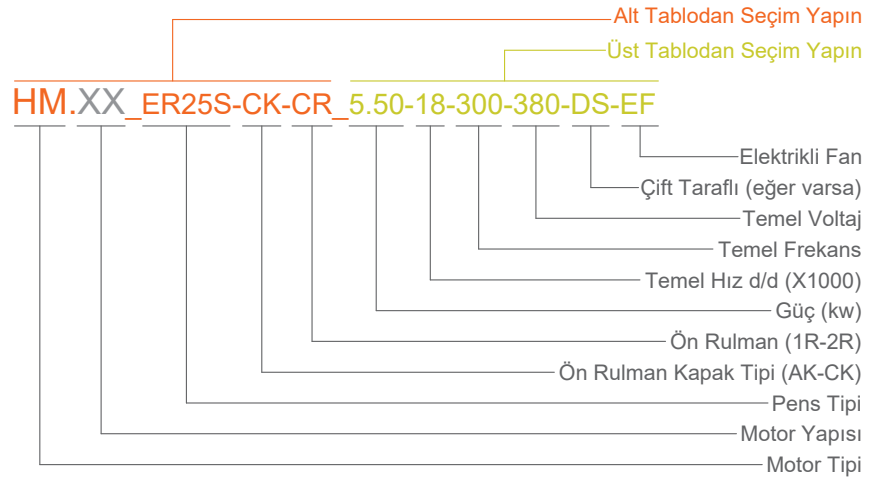
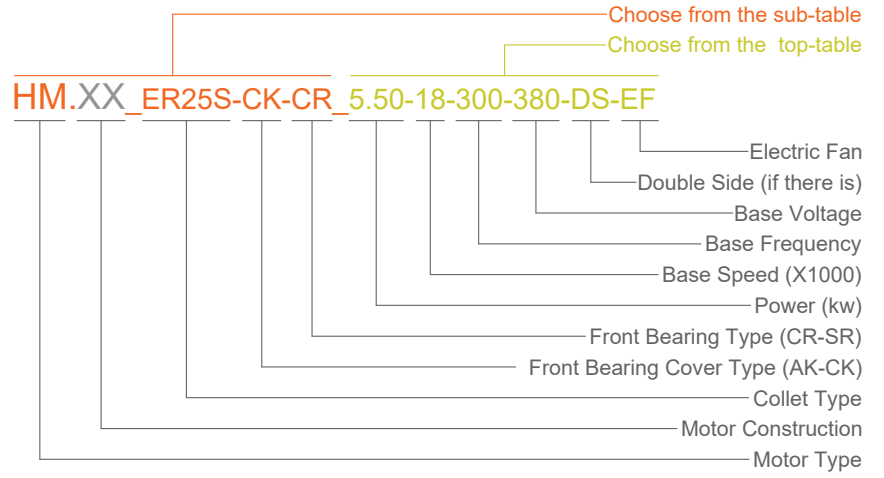
CONTENTS - İÇERİK

**HM90**

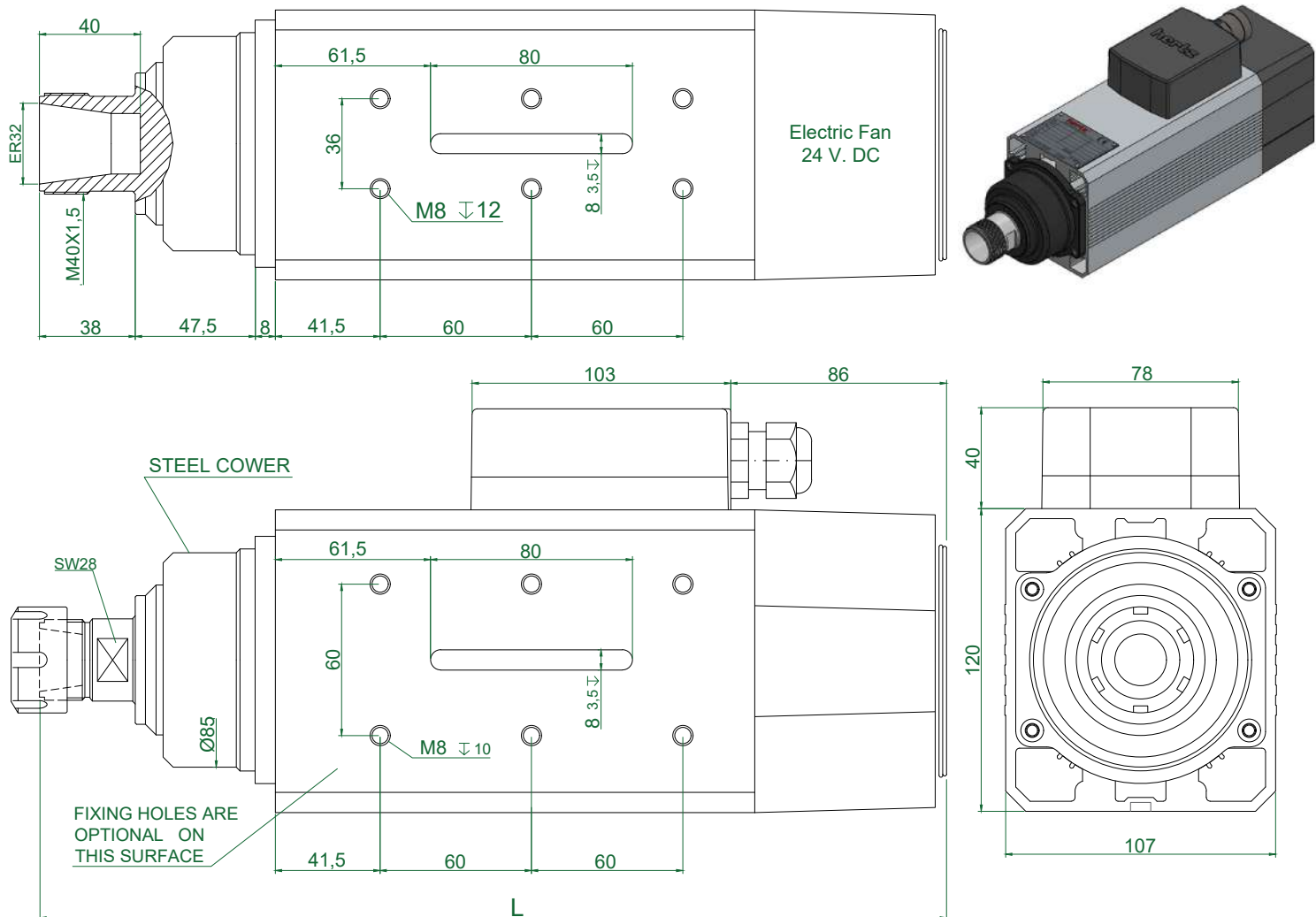
HM90.XX\_ER32S-CK-CR-EF  
HM90.XX\_ER25S-CK-CR-EF  
HM90.XX\_ER25S-CK-CR-DS-EF  
HM90.XX\_ER25S-CK-2R-DS-EF

**HM110**

HM110.XX\_ER40S-CK-CR-EF  
HM110.XX\_ER32S-CK-CR-EF

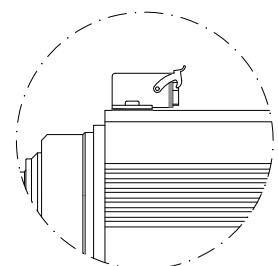


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |          | Absorbtion |      |
|---------|------------|-------|----------------|------|-----|---------|----------|----------|------------|------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v) | A (380v)   |      |
| HM90-10 | 3000       | 1,00  | 40             | 50   | 75  | 380     | 220      | 220/380  | 4,90       | 2,90 |
| HM90-14 | 3000       | 1,35  | 40             | 50   | 75  | 380     | 220      | 220/380  | 5,90       | 3,30 |
| HM90-17 | 3000       | 1,50  | 40             | 50   | 75  | 380     | 220      | 220/380  | 6,50       | 3,80 |
| HM90-10 | 6000       | 2,20  | 70             | 100  | 180 | 220     | 380      | 220/380  | 9,50       | 5,50 |
| HM90-14 | 6000       | 3,50  | 70             | 100  | 180 | 380     | 220      | 220/380  | 13,0       | 7,50 |
| HM90-17 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380  | 16,4       | 9,50 |
| HM90-10 | 12000      | 3,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 13,00      | 7,50 |
| HM90-14 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380  | 16,40      | 9,50 |
| HM90-14 | 12000      | 4,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 18,0       | 9,90 |
| HM90-17 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 19,8       | 11,4 |
| HM90-10 | 18000      | 4,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 16,4       | 9,50 |
| HM90-10 | 18000      | 4,50  | 170            | 300  | 340 | 380     | 220      | 220/380  | 18,0       | 9,90 |
| HM90-14 | 18000      | 5,50  | 170            | 300  | 340 | 380     | 220      | 220/380  | 19,8       | 11,4 |
| HM90-14 | 18000      | 6,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 21,0       | 12,4 |
| HM90-17 | 18000      | 7,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 25,0       | 14,5 |
| HM90-10 | 24000      | 4,00  | 250            | 400  |     | 380     | 220      | 220/380  | 16,4       | 9,50 |
| HM90-10 | 24000      | 4,50  | 250            | 400  |     | 380     | 220      | 220/380  | 18,0       | 9,90 |
| HM90-14 | 24000      | 5,50  | 250            | 400  |     | 380     | 220      | 220/380  | 19,8       | 11,4 |
| HM90-14 | 24000      | 6,00  | 250            | 400  |     | 380     | 220      | 220/380  | 21,0       | 12,4 |
| HM90-17 | 24000      | 7,00  | 250            | 400  |     | 380     | 220      | 220/380  | 25,0       | 14,5 |

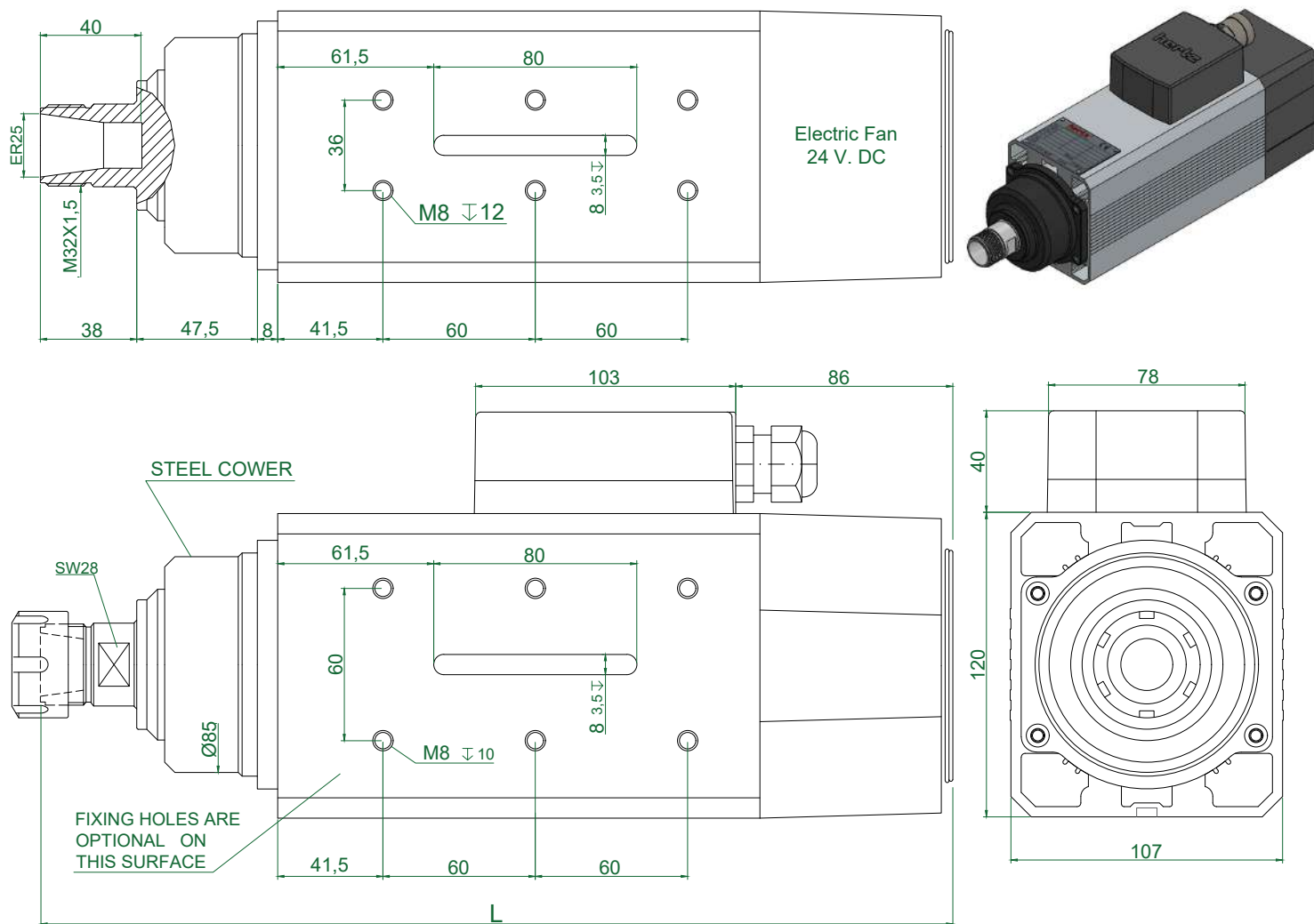


| TYPE                   | L   | Apr. Weight<br>Kg |
|------------------------|-----|-------------------|
| HM90.10_ER32S-CK-CR-EF | 360 | 11,550            |
| HM90.14_ER32S-CK-CR-EF | 400 | 13,650            |
| HM90.17_ER32S-CK-CR-EF | 430 | 15.150            |

PLUG CONNECTION  
(optional)

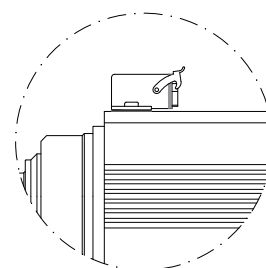


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |          | Absorbion |      |
|---------|------------|-------|----------------|------|-----|---------|----------|----------|-----------|------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v) | A (380v)  |      |
| HM90-10 | 3000       | 1,00  | 40             | 50   | 75  | 380     | 220      | 220/380  | 4,90      | 2,90 |
| HM90-14 | 3000       | 1,35  | 40             | 50   | 75  | 380     | 220      | 220/380  | 5,90      | 3,30 |
| HM90-17 | 3000       | 1,50  | 40             | 50   | 75  | 380     | 220      | 220/380  | 6,50      | 3,80 |
| HM90-10 | 6000       | 2,20  | 70             | 100  | 180 | 220     | 380      | 220/380  | 9,50      | 5,50 |
| HM90-14 | 6000       | 3,50  | 70             | 100  | 180 | 380     | 220      | 220/380  | 13,0      | 7,50 |
| HM90-17 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380  | 16,4      | 9,50 |
| HM90-10 | 12000      | 3,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 13,00     | 7,50 |
| HM90-14 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380  | 16,40     | 9,50 |
| HM90-14 | 12000      | 4,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 18,0      | 9,90 |
| HM90-17 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 19,8      | 11,4 |
| HM90-10 | 18000      | 4,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 16,4      | 9,50 |
| HM90-10 | 18000      | 4,50  | 170            | 300  | 340 | 380     | 220      | 220/380  | 18,0      | 9,90 |
| HM90-14 | 18000      | 5,50  | 170            | 300  | 340 | 380     | 220      | 220/380  | 19,8      | 11,4 |
| HM90-14 | 18000      | 6,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 21,0      | 12,4 |
| HM90-17 | 18000      | 7,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 25,0      | 14,5 |
| HM90-10 | 24000      | 4,00  | 250            | 400  |     | 380     | 220      | 220/380  | 16,4      | 9,50 |
| HM90-10 | 24000      | 4,50  | 250            | 400  |     | 380     | 220      | 220/380  | 18,0      | 9,90 |
| HM90-14 | 24000      | 5,50  | 250            | 400  |     | 380     | 220      | 220/380  | 19,8      | 11,4 |
| HM90-14 | 24000      | 6,00  | 250            | 400  |     | 380     | 220      | 220/380  | 21,0      | 12,4 |
| HM90-17 | 24000      | 7,00  | 250            | 400  |     | 380     | 220      | 220/380  | 25,0      | 14,5 |

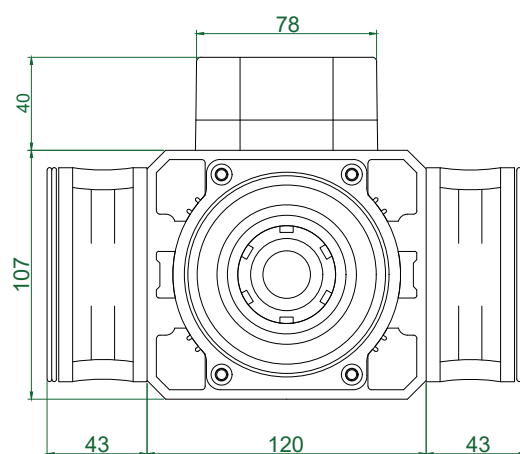
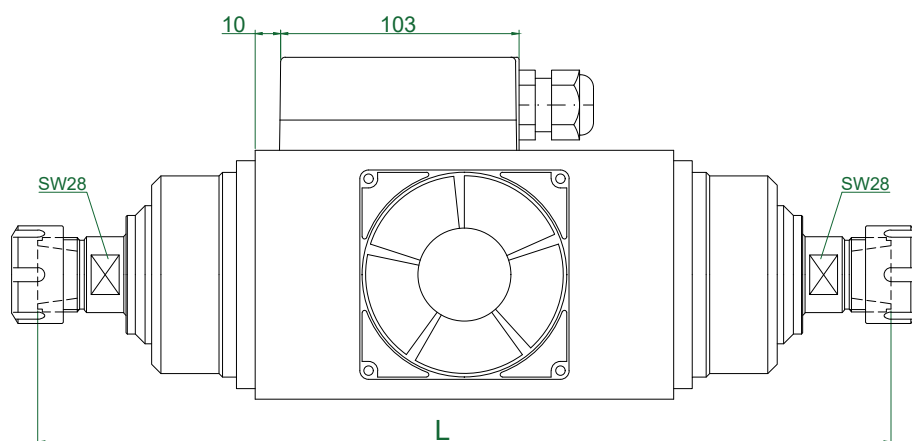
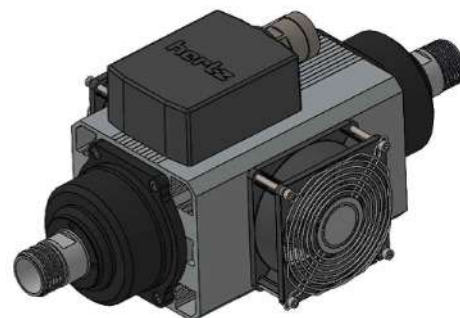
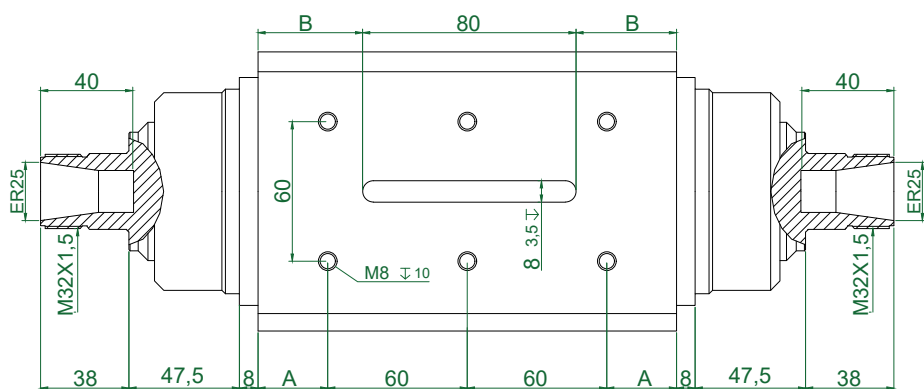


| TYPE                   | L   | Apr. Weight<br>Kg |
|------------------------|-----|-------------------|
| HM90.10_ER25S-CK-CR-EF | 360 | 11,300            |
| HM90.14_ER25S-CK-CR-EF | 400 | 13,450            |
| HM90.17_ER25S-CK-CR-EF | 430 | 14,950            |

PLUG CONNECTION  
(optional)

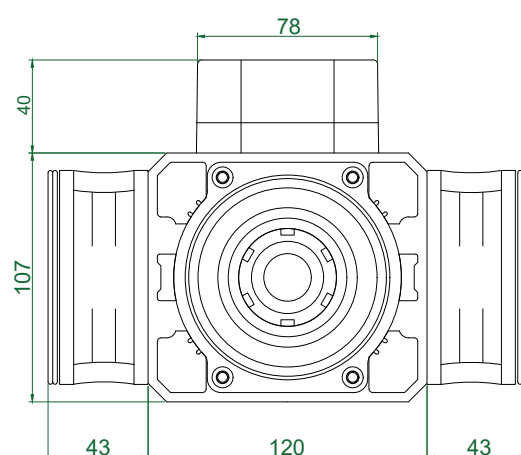
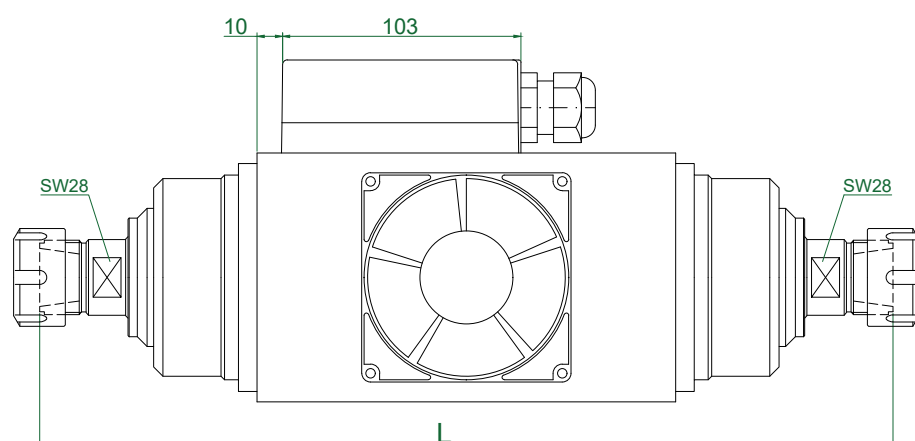
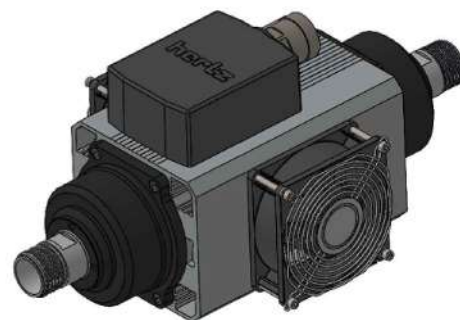
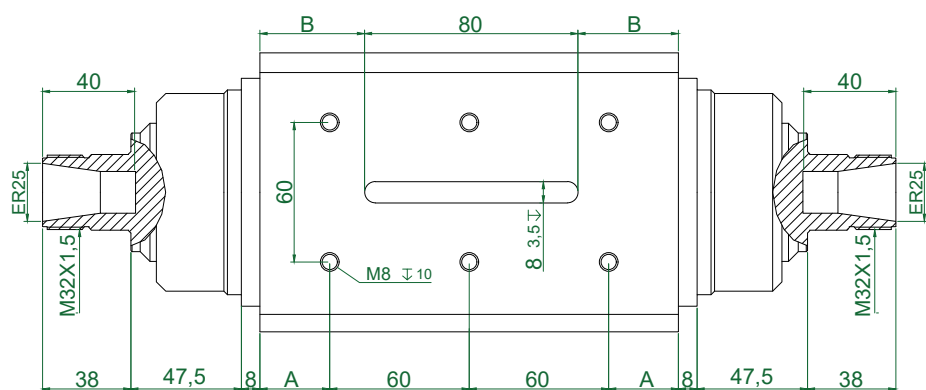


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |          | Absorbion |      |
|---------|------------|-------|----------------|------|-----|---------|----------|----------|-----------|------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v) | A (380v)  |      |
| HM90-10 | 3000       | 1,00  | 40             | 50   | 75  | 380     | 220      | 220/380  | 4,90      | 2,90 |
| HM90-14 | 3000       | 1,35  | 40             | 50   | 75  | 380     | 220      | 220/380  | 5,90      | 3,30 |
| HM90-17 | 3000       | 1,50  | 40             | 50   | 75  | 380     | 220      | 220/380  | 6,50      | 3,80 |
| HM90-10 | 6000       | 2,20  | 70             | 100  | 180 | 220     | 380      | 220/380  | 9,50      | 5,50 |
| HM90-14 | 6000       | 3,50  | 70             | 100  | 180 | 380     | 220      | 220/380  | 13,0      | 7,50 |
| HM90-17 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380  | 16,4      | 9,50 |
| HM90-10 | 12000      | 3,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 13,00     | 7,50 |
| HM90-14 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380  | 16,40     | 9,50 |
| HM90-14 | 12000      | 4,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 18,0      | 9,90 |
| HM90-17 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 19,8      | 11,4 |
| HM90-10 | 18000      | 4,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 16,4      | 9,50 |
| HM90-10 | 18000      | 4,50  | 170            | 300  | 340 | 380     | 220      | 220/380  | 18,0      | 9,90 |
| HM90-14 | 18000      | 5,50  | 170            | 300  | 340 | 380     | 220      | 220/380  | 19,8      | 11,4 |
| HM90-14 | 18000      | 6,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 21,0      | 12,4 |
| HM90-17 | 18000      | 7,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 25,0      | 14,5 |
| HM90-10 | 24000      | 4,00  | 250            | 400  |     | 380     | 220      | 220/380  | 16,4      | 9,50 |
| HM90-10 | 24000      | 4,50  | 250            | 400  |     | 380     | 220      | 220/380  | 18,0      | 9,90 |
| HM90-14 | 24000      | 5,50  | 250            | 400  |     | 380     | 220      | 220/380  | 19,8      | 11,4 |
| HM90-14 | 24000      | 6,00  | 250            | 400  |     | 380     | 220      | 220/380  | 21,0      | 12,4 |
| HM90-17 | 24000      | 7,00  | 250            | 400  |     | 380     | 220      | 220/380  | 25,0      | 14,5 |



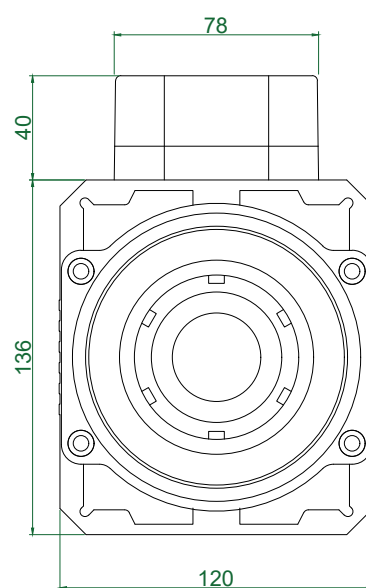
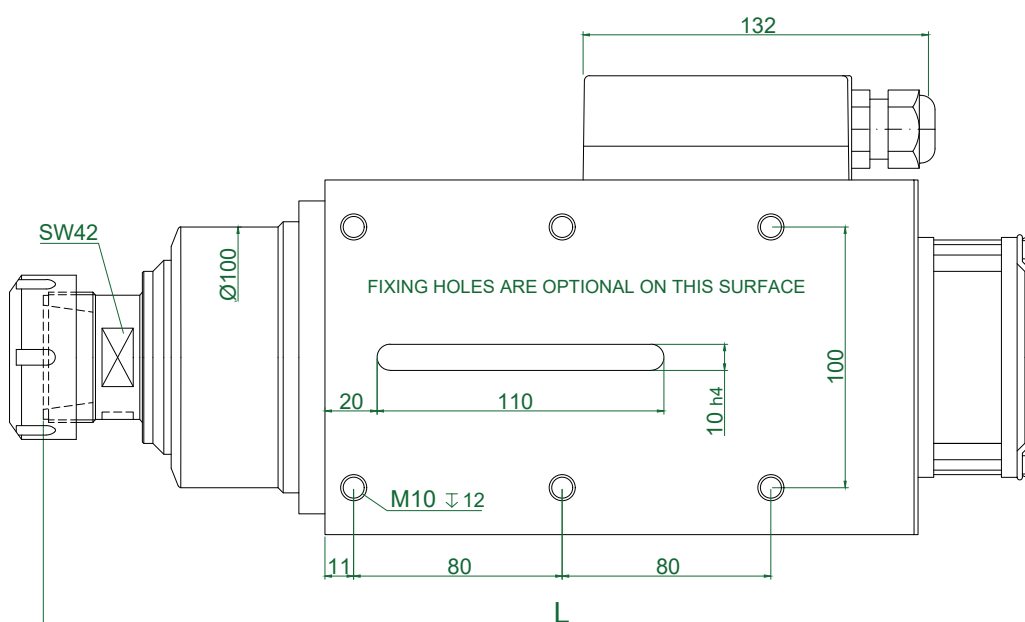
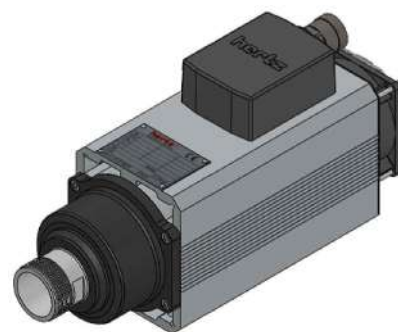
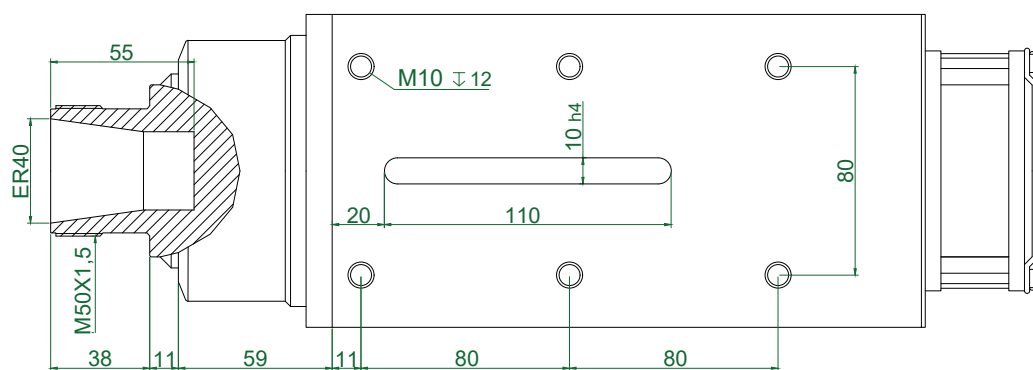
| TYPE                      | A  | B  | L   | Apr. Weight<br>Kg |
|---------------------------|----|----|-----|-------------------|
| HM90.10_ER25S-CK-CR-DS-EF | 30 | 50 | 367 | 13,000            |
| HM90.14_ER25S-CK-CR-DS-EF | 50 | 70 | 407 | 15,150            |
| HM90.17_ER25S-CK-CR-DS-EF | 65 | 65 | 437 | 16,650            |

| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|-----------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)  | A (380v) |
| HM90-10 | 3000       | 1,00  | 40             | 50   | 75  | 380     | 220      | 220/380 | 4,90      | 2,90     |
| HM90-14 | 3000       | 1,35  | 40             | 50   | 75  | 380     | 220      | 220/380 | 5,90      | 3,30     |
| HM90-17 | 3000       | 1,50  | 40             | 50   | 75  | 380     | 220      | 220/380 | 6,50      | 3,80     |
| HM90-10 | 6000       | 2,20  | 70             | 100  | 180 | 220     | 380      | 220/380 | 9,50      | 5,50     |
| HM90-14 | 6000       | 3,50  | 70             | 100  | 180 | 380     | 220      | 220/380 | 13,0      | 7,50     |
| HM90-17 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380 | 16,4      | 9,50     |
| HM90-10 | 12000      | 3,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 13,00     | 7,50     |
| HM90-14 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380 | 16,40     | 9,50     |
| HM90-14 | 12000      | 4,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 18,0      | 9,90     |
| HM90-17 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 19,8      | 11,4     |
| HM90-10 | 18000      | 4,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 16,4      | 9,50     |
| HM90-10 | 18000      | 4,50  | 170            | 300  | 340 | 380     | 220      | 220/380 | 18,0      | 9,90     |
| HM90-14 | 18000      | 5,50  | 170            | 300  | 340 | 380     | 220      | 220/380 | 19,8      | 11,4     |
| HM90-14 | 18000      | 6,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 21,0      | 12,4     |
| HM90-17 | 18000      | 7,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 25,0      | 14,5     |



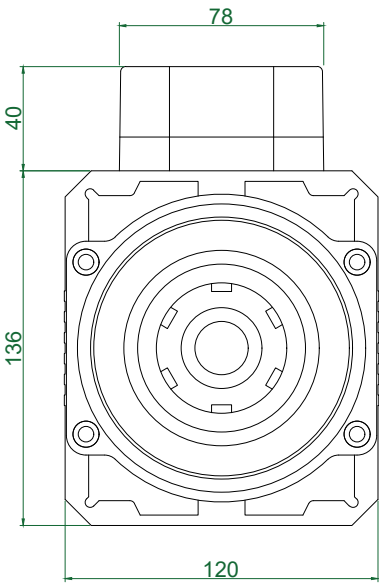
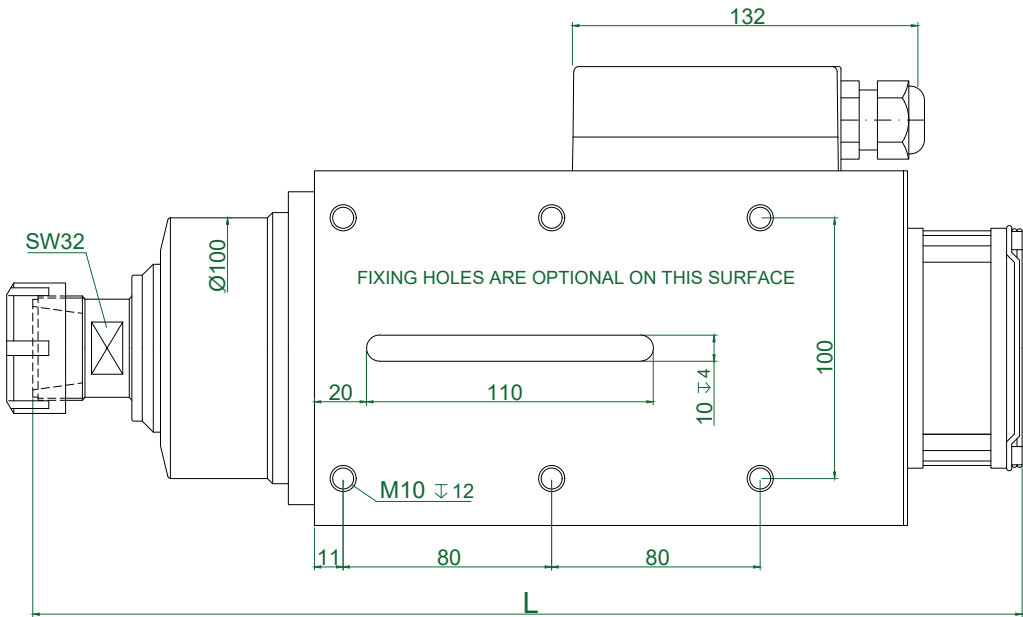
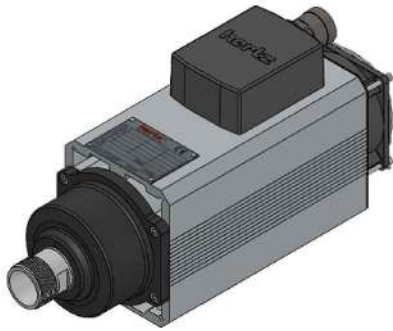
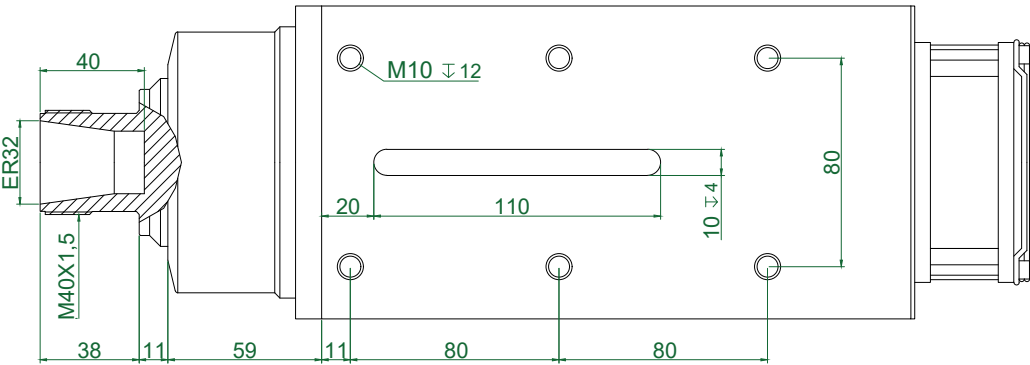
| TYPE                      | A  | B  | L   | Apr. Weight<br>Kg |
|---------------------------|----|----|-----|-------------------|
| HM90.10_ER25S-CK-2R-DS-EF | 30 | 50 | 367 | 12,350            |
| HM90.14_ER25S-CK-2R-DS-EF | 50 | 70 | 407 | 14,500            |
| HM90.17_ER25S-CK-2R-DS-EF | 65 | 85 | 437 | 16,000            |

| TYPE     | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          | Absorption |          |
|----------|------------|-------|----------------|------|-----|---------|----------|------------|----------|
|          | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v)   | A (380v) |
| HM110-10 | 3000       | 2,20  | 40             | 50   | 75  | 220     | 380      | 9,50       | 5,50     |
| HM110-12 | 3000       | 3,00  | 40             | 50   | 75  | 380     | 220      | 12,5       | 7,20     |
| HM110-10 | 6000       | 3,00  | 140            | 200  | 360 | 380     | 220      | 12,5       | 7,20     |
| HM110-10 | 6000       | 3,00  | 70             | 100  | 180 | 380     | 220      | 12,5       | 7,20     |
| HM110-10 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 16,4       | 9,50     |
| HM110-10 | 6000       | 4,00  | 70             | 100  | 180 | 380     | 220      | 16,4       | 9,50     |
| HM110-12 | 6000       | 5,50  | 140            | 200  | 360 | 380     | 220      | 19,8       | 11,40    |
| HM110-12 | 6000       | 5,50  | 70             | 100  | 180 | 380     | 220      | 19,8       | 11,40    |
| HM110-10 | 12000      | 4,00  | 300            | 400  | 600 | 380     | 220      | 16,4       | 9,50     |
| HM110-10 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 16,4       | 9,50     |
| HM110-10 | 12000      | 5,50  | 300            | 400  | 600 | 380     | 220      | 19,8       | 11,40    |
| HM110-10 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 19,8       | 11,40    |
| HM110-12 | 12000      | 7,50  | 300            | 400  | 600 | 380     | 220      | 28,7       | 16,6     |
| HM110-12 | 12000      | 7,50  | 150            | 200  | 300 | 380     | 220      | 28,7       | 16,6     |
| HM110-10 | 18000      | 7,50  | 340            | 600  | 680 | 380     | 220      | 28,7       | 16,6     |
| HM110-10 | 18000      | 7,50  | 170            | 300  | 340 | 380     | 220      | 28,7       | 16,6     |
| HM110-12 | 18000      | 9,00  | 340            | 600  | 680 | 380     | 220      | 34,5       | 20,0     |
| HM110-12 | 18000      | 9,00  | 170            | 300  | 340 | 380     | 220      | 34,5       | 20,0     |



| TYPE                    | L   | Apr. Weight Kg |
|-------------------------|-----|----------------|
| HM110.10_ER40S-CK-CR-EF | 380 | 17,100         |
| HM110.12_ER40S-CK-CR-EF | 400 | 18,500         |

| TYPE     | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |          | Absorbtion |       |
|----------|------------|-------|----------------|------|-----|---------|----------|----------|------------|-------|
|          | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v) | A (380v)   |       |
| HM110-10 | 3000       | 2,20  | 40             | 50   | 75  | 220     | 380      | 220/380  | 9,50       | 5,50  |
| HM110-12 | 3000       | 3,00  | 40             | 50   | 75  | 380     | 220      | 220/380  | 12,5       | 7,20  |
| HM110-10 | 6000       | 3,00  | 140            | 200  | 360 | 380     | 220      | 220/380  | 12,5       | 7,20  |
| HM110-10 | 6000       | 3,00  | 70             | 100  | 180 | 380     | 220      | 220/380  | 12,5       | 7,20  |
| HM110-10 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380  | 16,4       | 9,50  |
| HM110-10 | 6000       | 4,00  | 70             | 100  | 180 | 380     | 220      | 220/380  | 16,4       | 9,50  |
| HM110-12 | 6000       | 5,50  | 140            | 200  | 360 | 380     | 220      | 220/380  | 19,8       | 11,40 |
| HM110-12 | 6000       | 5,50  | 70             | 100  | 180 | 380     | 220      | 220/380  | 19,8       | 11,40 |
| HM110-10 | 12000      | 4,00  | 300            | 400  | 600 | 380     | 220      | 220/380  | 16,4       | 9,50  |
| HM110-10 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380  | 16,4       | 9,50  |
| HM110-10 | 12000      | 5,50  | 300            | 400  | 600 | 380     | 220      | 220/380  | 19,8       | 11,40 |
| HM110-10 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 19,8       | 11,40 |
| HM110-12 | 12000      | 7,50  | 300            | 400  | 600 | 380     | 220      | 220/380  | 28,7       | 16,6  |
| HM110-12 | 12000      | 7,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 28,7       | 16,6  |
| HM110-10 | 18000      | 7,50  | 340            | 600  | 680 | 380     | 220      | 220/380  | 28,7       | 16,6  |
| HM110-10 | 18000      | 7,50  | 170            | 300  | 340 | 380     | 220      | 220/380  | 28,7       | 16,6  |
| HM110-12 | 18000      | 9,00  | 340            | 600  | 680 | 380     | 220      | 220/380  | 34,5       | 20,0  |
| HM110-12 | 18000      | 9,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 34,5       | 20,0  |
| HM110-10 | 24000      | 7,50  | 500            | 800  |     | 380     | 220      | 220/380  | 28,7       | 16,6  |
| HM110-10 | 24000      | 7,50  | 250            | 400  |     | 380     | 220      | 220/380  | 28,7       | 16,6  |
| HM110-12 | 24000      | 9,00  | 500            | 800  |     | 380     | 220      | 220/380  | 34,5       | 20,0  |
| HM110-12 | 24000      | 9,00  | 250            | 400  |     | 380     | 220      | 220/380  | 34,5       | 20,0  |



| TYPE                    | L   | Apr. Weight<br>Kg |
|-------------------------|-----|-------------------|
| HM110.10_ER32S-CK-CR-EF | 380 | 16,800            |
| HM110.12_ER32S-CK-CR-EF | 400 | 18,200            |

# ELECTROSPINDLE WITH ER COLLET CHUCK

## ER PENS UÇLU İŞ MİLİ MOTORU (seramik)

**hertz®**

### CONTENTS - İÇERİK

#### HMA

HMA.XX\_ER20S-CK-CR  
HMA.XX\_ER16S-CK-CR

#### HMB

HMB.XX\_ER25S-CK-CR  
HMB.XX\_ER20S-CK-CR  
HMB.XX\_ER16S-CK-CR

#### HM55

HM55.XX\_ER20S-CKM-CR  
HM55.XX\_ER16S-CKM-CR

#### HM73

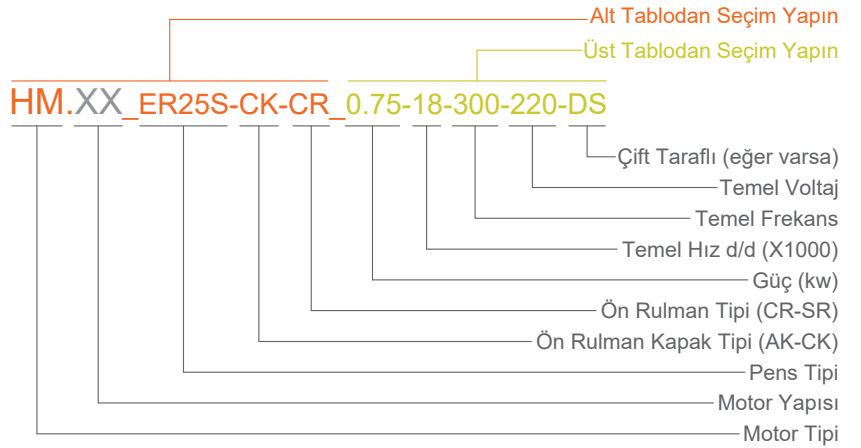
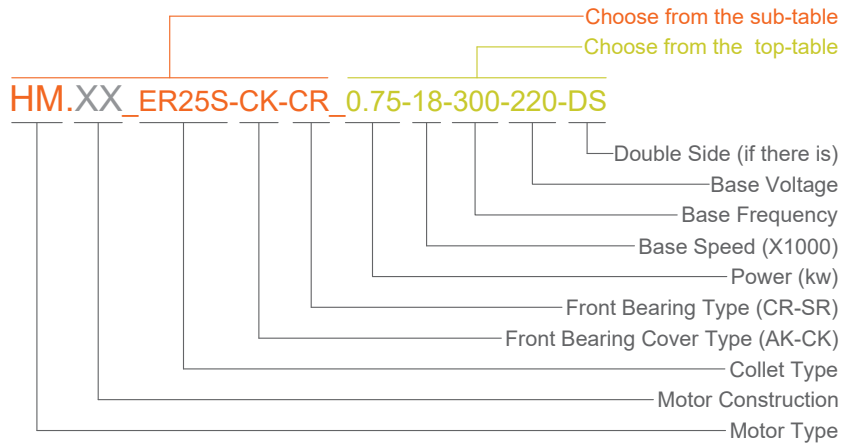
HM73.XX\_ER25S-CK-CR  
HM73.XX\_ER20S-CK-CR  
HM73.XX\_ER16S-CK-CR

#### HM90

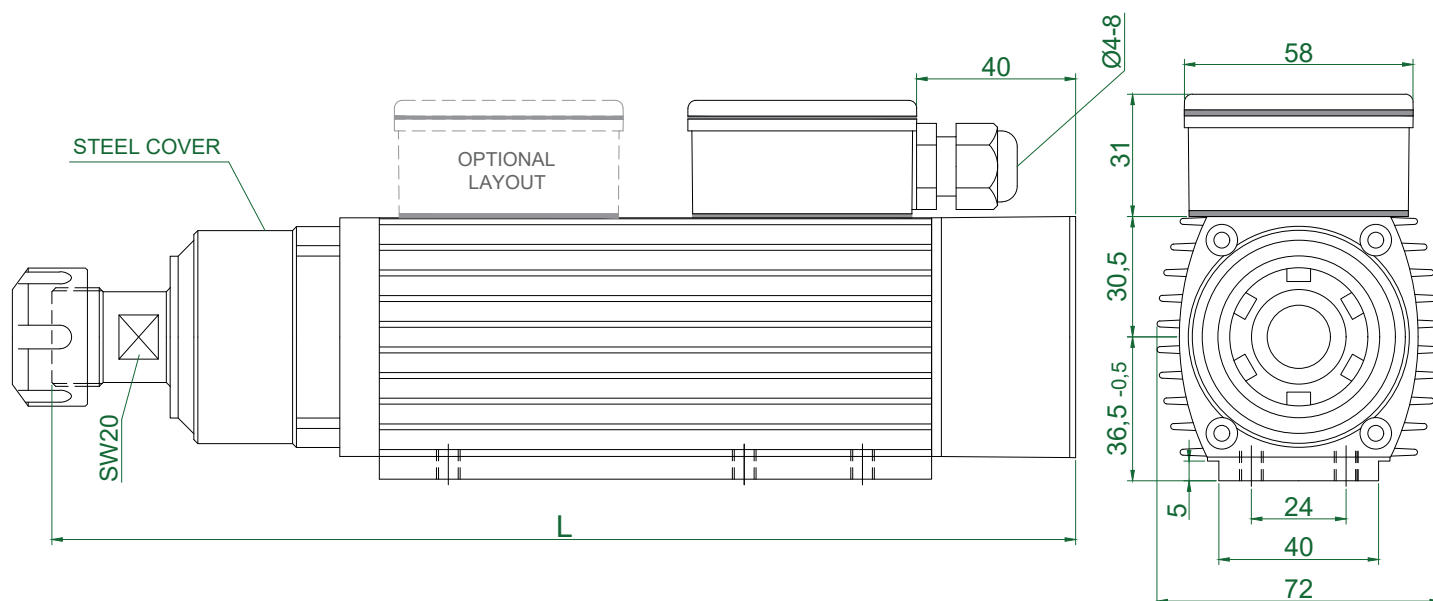
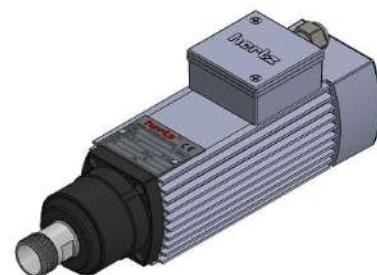
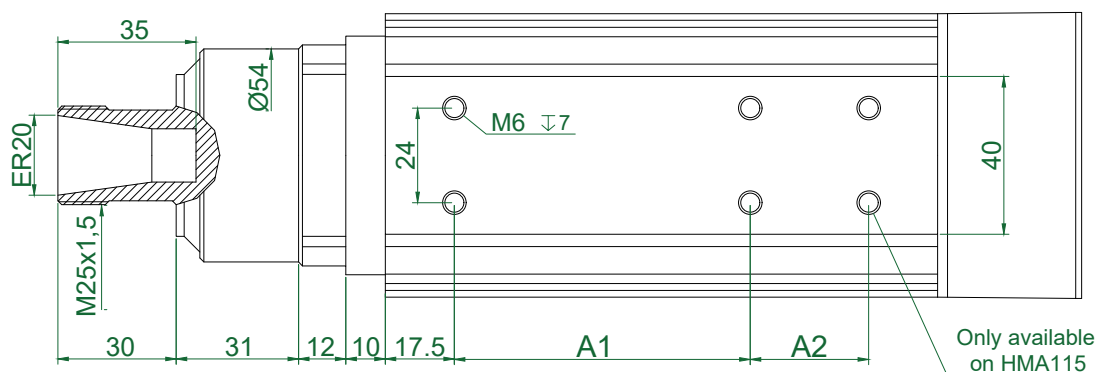
HM90.XX\_ER32S-CK-CR  
HM90.XX\_ER25S-CK-CR  
HM90.XX\_ER25S-CK-CR-DS

#### HM110

HM110.XX\_ER40S-CK-CR  
HM110.XX\_ER32S-CK-CR

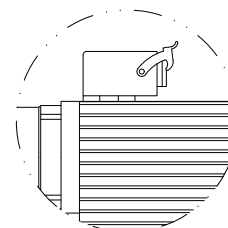


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |
| HMA 55  | 24000      | 0,25  | 250            | 400  |     | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 24000      | 0,27  | 250            | 400  |     | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 24000      | 0,45  | 250            | 400  |     | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 24000      | 0,55  | 250            | 400  |     | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 24000      | 0,75  | 250            | 400  |     | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,10       | 3,00     |

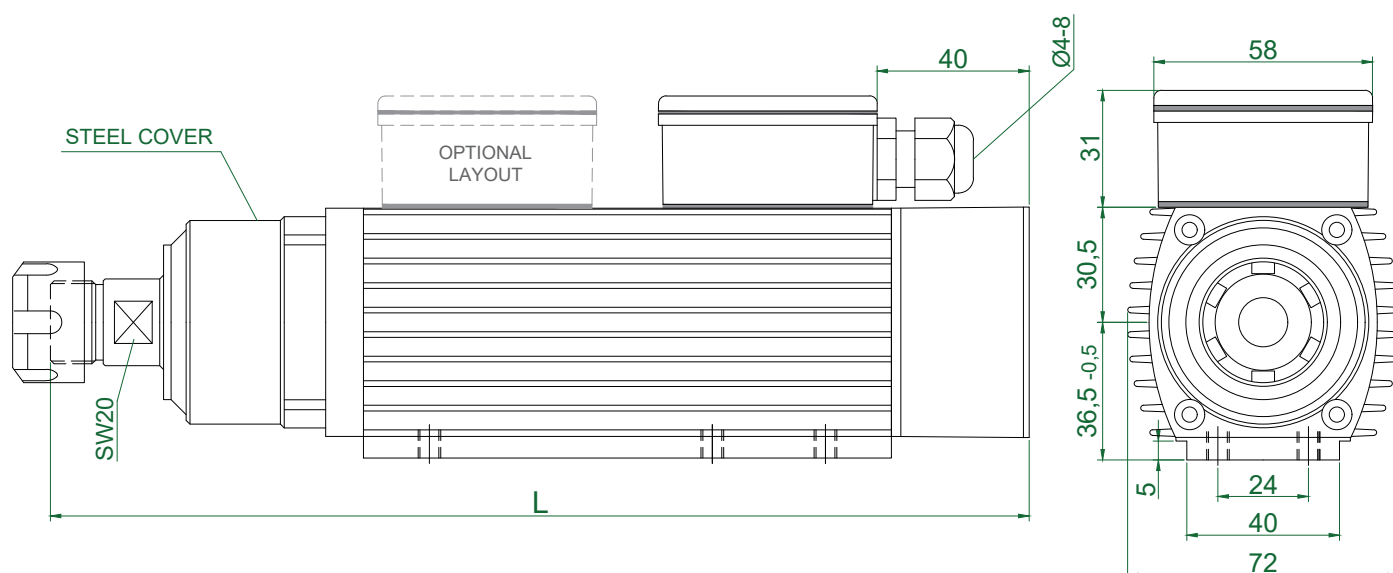
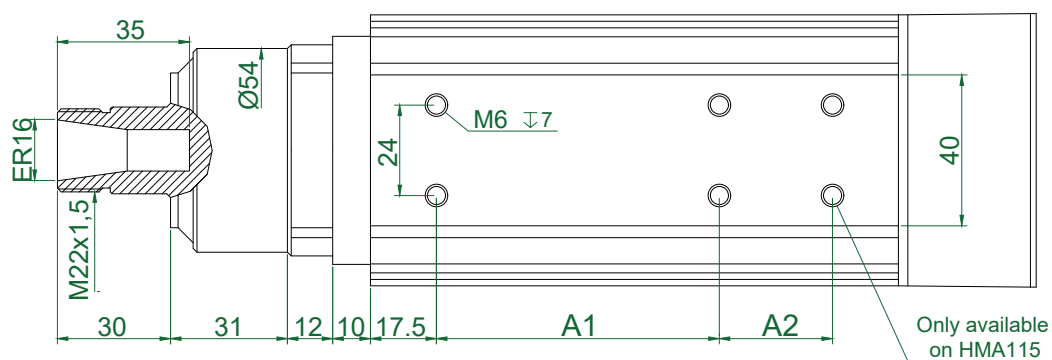


| TYPE                | A1 | A2 | L   | Apr. Weight Kg |
|---------------------|----|----|-----|----------------|
| HMA 55_ER20S-CK-CR  | 60 | -  | 215 | 2,500          |
| HMA 60_ER20S-CK-CR  | 60 | -  | 220 | 2,600          |
| HMA 70_ER20S-CK-CR  | 75 | -  | 230 | 2,700          |
| HMA 85_ER20S-CK-CR  | 75 | -  | 245 | 3,000          |
| HMA 95_ER20S-CK-CR  | 75 | -  | 260 | 3,200          |
| HMA 115_ER20S-CK-CR | 75 | 30 | 280 | 3,600          |

Plug Connection  
(optional)

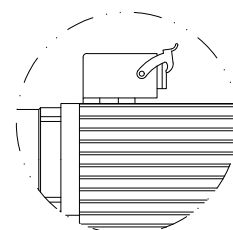


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|-----------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)  | A (380v) |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44      | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50      | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00      | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20      | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60      | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80      | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60      | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90      | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40      | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20      | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70      | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10      | 3,00     |
| HMA 55  | 24000      | 0,25  | 250            | 400  |     | 220     | 380      | 220/380 | 1,60      | 0,92     |
| HMA 60  | 24000      | 0,27  | 250            | 400  |     | 220     | 380      | 220/380 | 1,90      | 1,10     |
| HMA 70  | 24000      | 0,45  | 250            | 400  |     | 220     | 380      | 220/380 | 2,40      | 1,40     |
| HMA 85  | 24000      | 0,55  | 250            | 400  |     | 220     | 380      | 220/380 | 3,20      | 1,80     |
| HMA 95  | 24000      | 0,75  | 250            | 400  |     | 220     | 380      | 220/380 | 3,70      | 2,20     |
| HMA 115 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,10      | 3,00     |

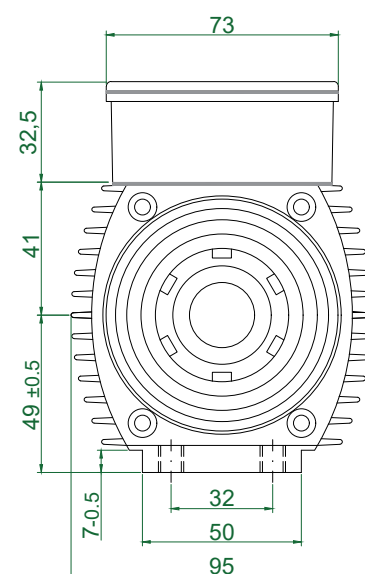
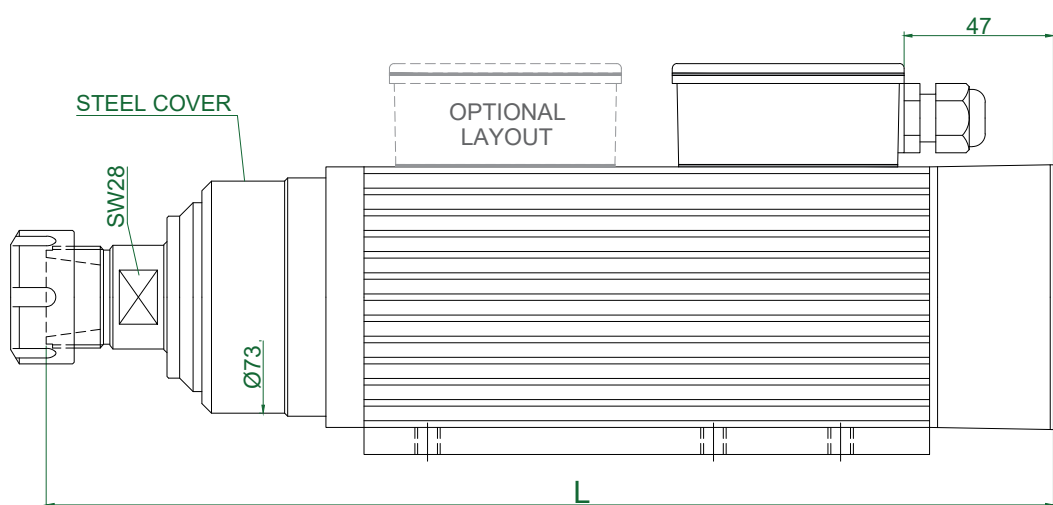
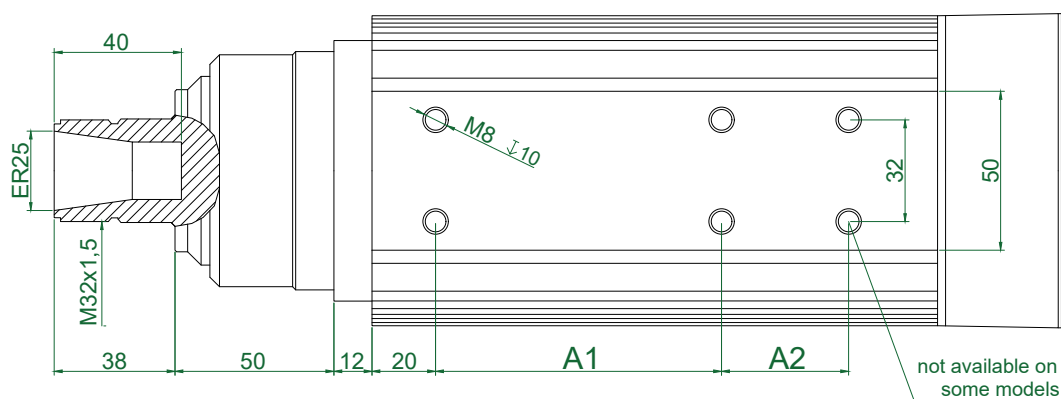


| TYPE                | A1 | A2 | L   | Apr. Weight<br>Kg |
|---------------------|----|----|-----|-------------------|
| HMA 55_ER16S-CK-CR  | 60 | -  | 215 | 2,550             |
| HMA 60_ER16S-CK-CR  | 60 | -  | 220 | 2,600             |
| HMA 70_ER16S-CK-CR  | 75 | -  | 230 | 2,700             |
| HMA 85_ER16S-CK-CR  | 75 | -  | 245 | 3,100             |
| HMA 95_ER16S-CK-CR  | 75 | -  | 260 | 3,250             |
| HMA 115_ER16S-CK-CR | 75 | 30 | 280 | 3,600             |

### Plug Connection (optional)

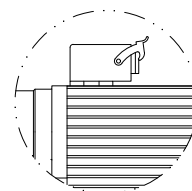


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |          | Absorbtion |      |
|---------|------------|-------|----------------|------|-----|---------|----------|----------|------------|------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v) | A (380v)   |      |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380  | 4,00       | 2,30 |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380  | 5,70       | 3,30 |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380  | 6,40       | 3,60 |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380  | 10,0       | 5,80 |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380  | 10,4       | 6,00 |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380  | 5,70       | 3,30 |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380  | 6,40       | 3,60 |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380  | 9,00       | 5,20 |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380  | 10,0       | 5,80 |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 12,5       | 7,20 |
| HMB 90  | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380  | 5,70       | 3,30 |
| HMB 100 | 24000      | 1,50  | 250            | 400  |     | 220     | 380      | 220/380  | 6,40       | 3,60 |
| HMB 120 | 24000      | 2,00  | 250            | 400  |     | 220     | 380      | 220/380  | 9,00       | 5,20 |
| HMB 140 | 24000      | 2,20  | 250            | 400  |     | 220     | 380      | 220/380  | 10,0       | 5,80 |
| HMB 170 | 24000      | 3,00  | 250            | 400  |     | 380     | 220      | 220/380  | 12,5       | 7,20 |

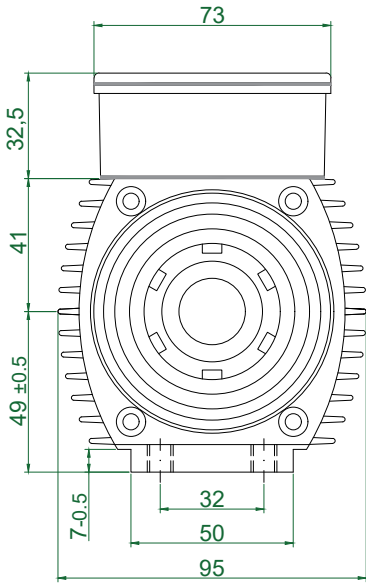
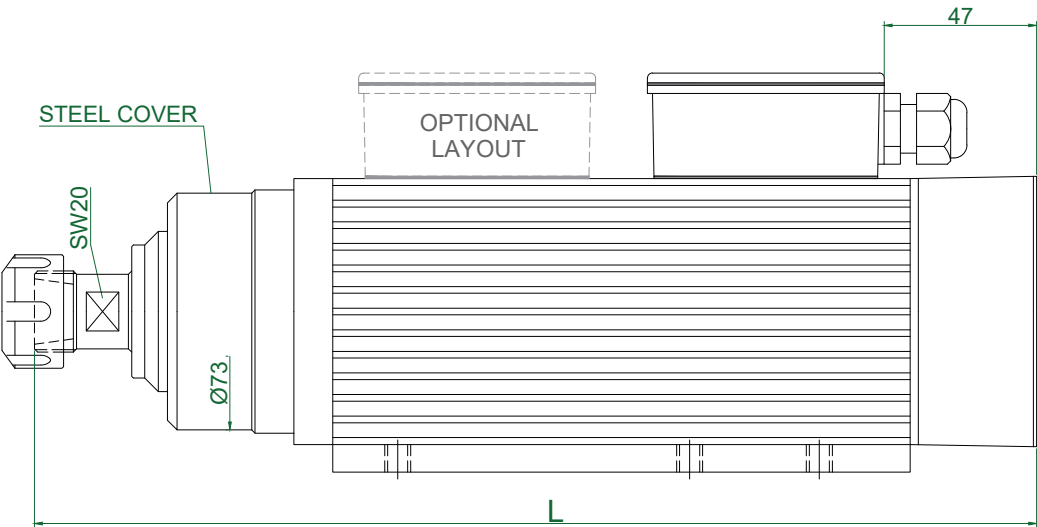
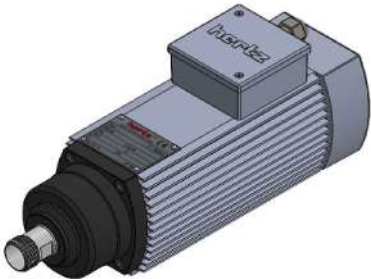
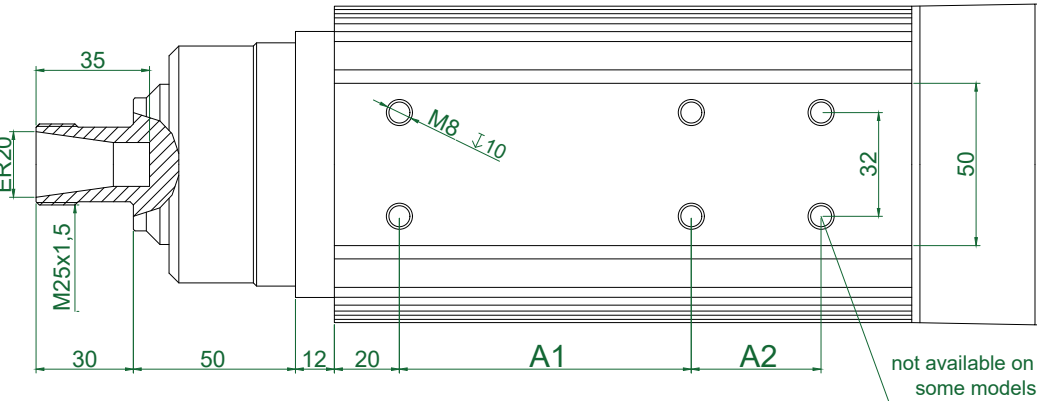


| TYPE                | A1 | A2 | L   | Apr. Weight<br>Kg |
|---------------------|----|----|-----|-------------------|
| HMB 90_ER25S-CK-CR  | 90 | -  | 287 | 6,400             |
| HMB 100_ER25S-CK-CR | 90 | -  | 297 | 6,750             |
| HMB 120_ER25S-CK-CR | 90 | 40 | 317 | 7,400             |
| HMB 140_ER25S-CK-CR | 90 | 40 | 337 | 8,050             |
| HMB 170_ER25S-CK-CR | 90 | 40 | 367 | 9,100             |

### Plug Connection (optional)



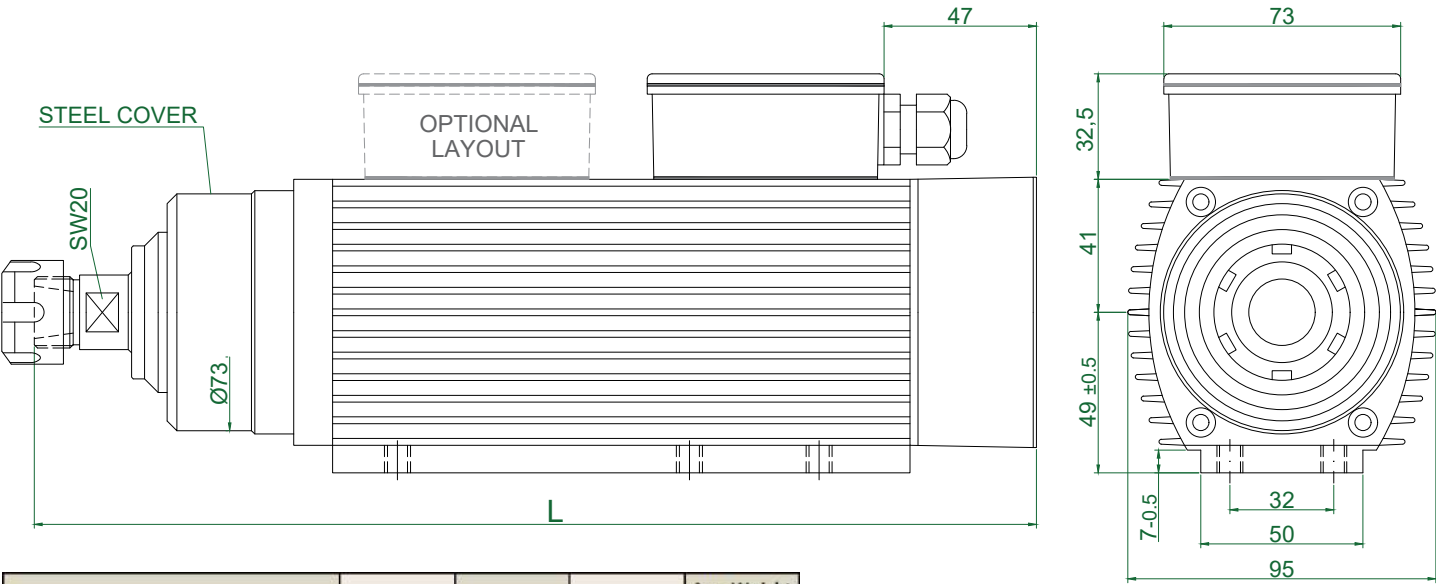
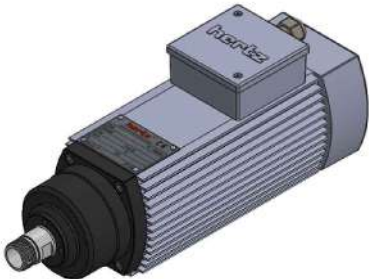
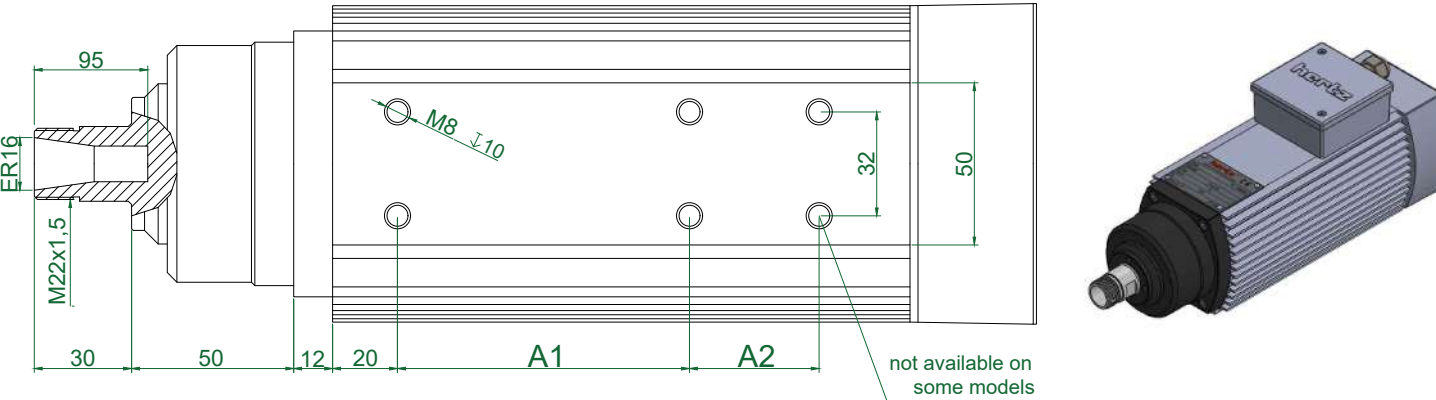
| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |
| HMB 90  | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 100 | 24000      | 1,50  | 250            | 400  |     | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 120 | 24000      | 2,00  | 250            | 400  |     | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HMB 140 | 24000      | 2,20  | 250            | 400  |     | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 24000      | 3,00  | 250            | 400  |     | 380     | 220      | 220/380 | 12,5       | 7,20     |



| TYPE               | A1 | A2 | L   | Apr. Weight Kg |
|--------------------|----|----|-----|----------------|
| HMB90_ER20S-CK-CR  | 90 | -  | 279 | 6,300          |
| HMB100_ER20S-CK-CR | 90 | -  | 289 | 6,600          |
| HMB120_ER20S-CK-CR | 90 | 40 | 309 | 7,300          |
| HMB140_ER20S-CK-CR | 90 | 40 | 329 | 7,950          |
| HMB170_ER20S-CK-CR | 90 | 40 | 359 | 8,950          |

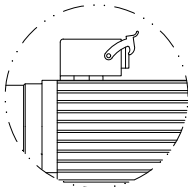


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |
| HMB 90  | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 100 | 24000      | 1,50  | 250            | 400  |     | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 120 | 24000      | 2,00  | 250            | 400  |     | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HMB 140 | 24000      | 2,20  | 250            | 400  |     | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 24000      | 3,00  | 250            | 400  |     | 380     | 220      | 220/380 | 12,5       | 7,20     |

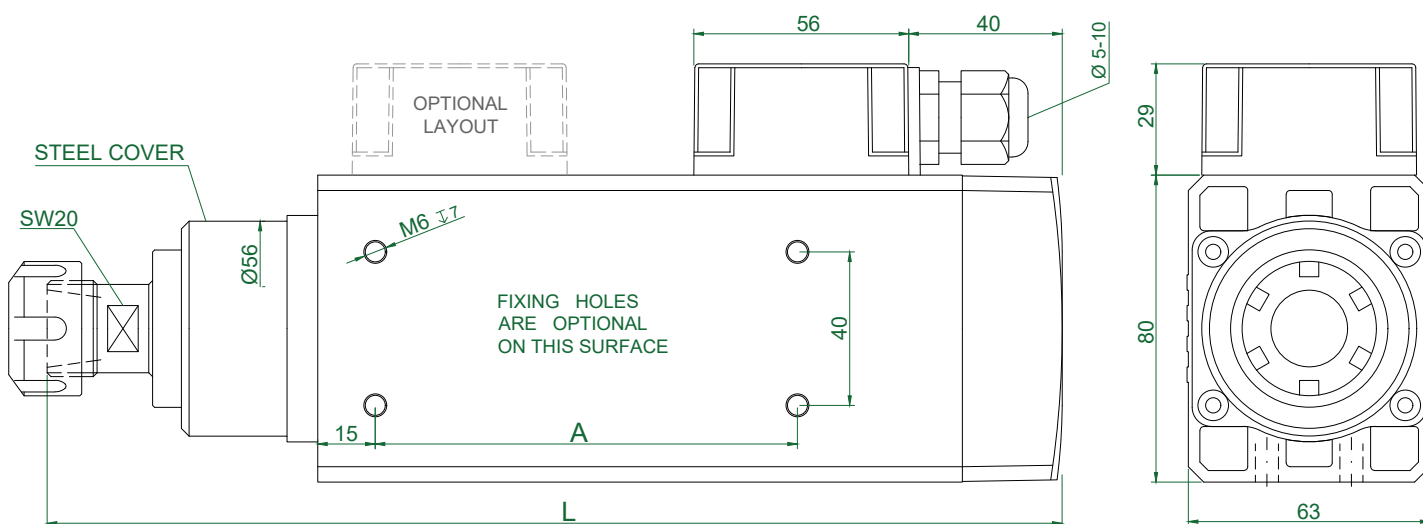
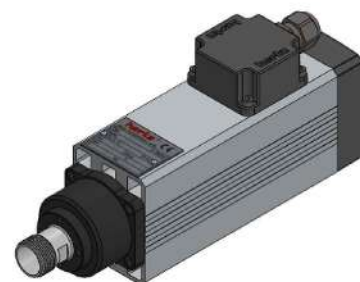
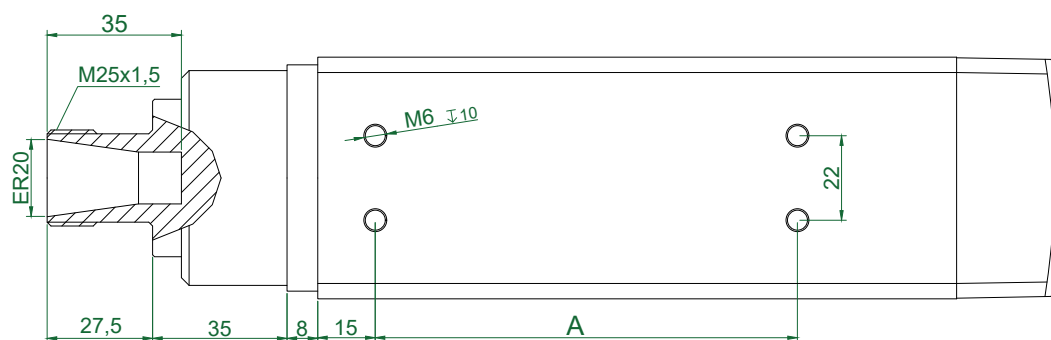


| TYPE               | A1 | A2 | L   | Apr. Weight<br>Kg |
|--------------------|----|----|-----|-------------------|
| HMB90_ER16S-CK-CR  | 90 | -  | 279 | 6,300             |
| HMB100_ER16S-CK-CR | 90 | -  | 289 | 6,600             |
| HMB120_ER16S-CK-CR | 90 | 40 | 309 | 7,300             |
| HMB140_ER16S-CK-CR | 90 | 40 | 329 | 7,900             |
| HMB170_ER16S-CK-CR | 90 | 40 | 359 | 8,950             |

Plug Connection  
(optional)

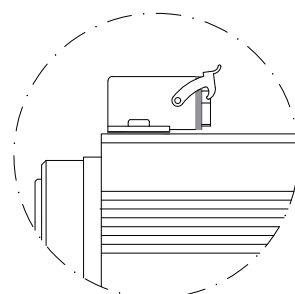


| TYPE      | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|-----------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|           | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM55- 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HM55- 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HM55- 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM55- 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HM55- 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HM55- 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM55- 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HM55- 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HM55- 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |
| HM55- 55  | 24000      | 0,25  | 250            | 400  |     | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HM55- 60  | 24000      | 0,27  | 250            | 400  |     | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 70  | 24000      | 0,45  | 250            | 400  |     | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM55- 85  | 24000      | 0,55  | 250            | 400  |     | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HM55- 95  | 24000      | 0,75  | 250            | 400  |     | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HM55- 115 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,10       | 3,00     |

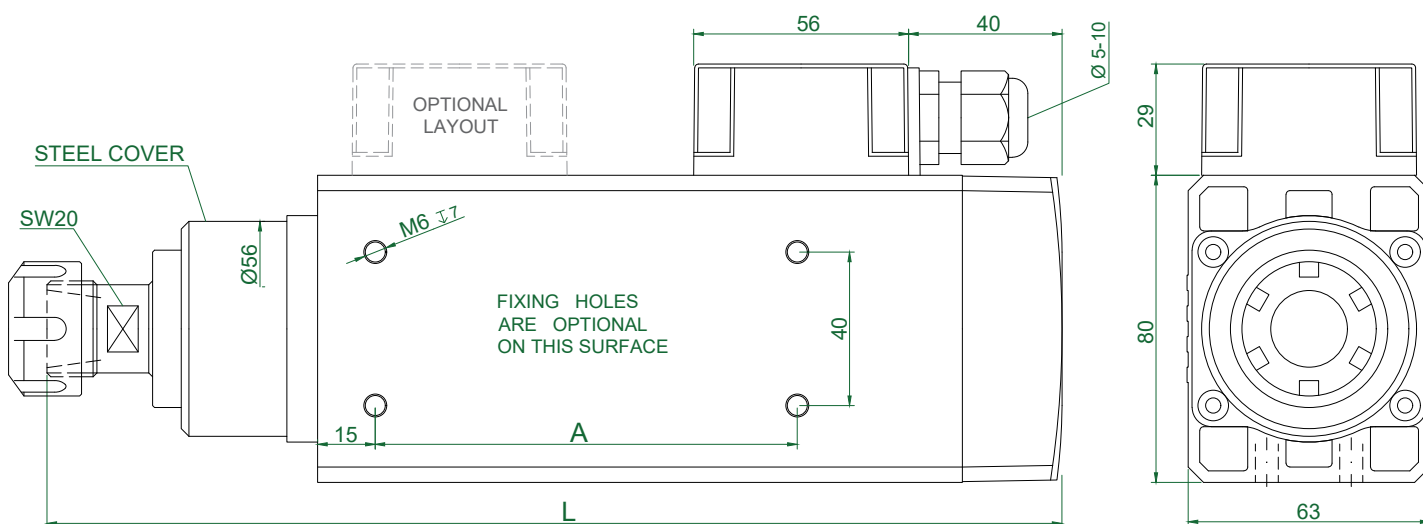
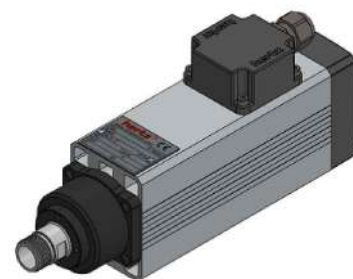
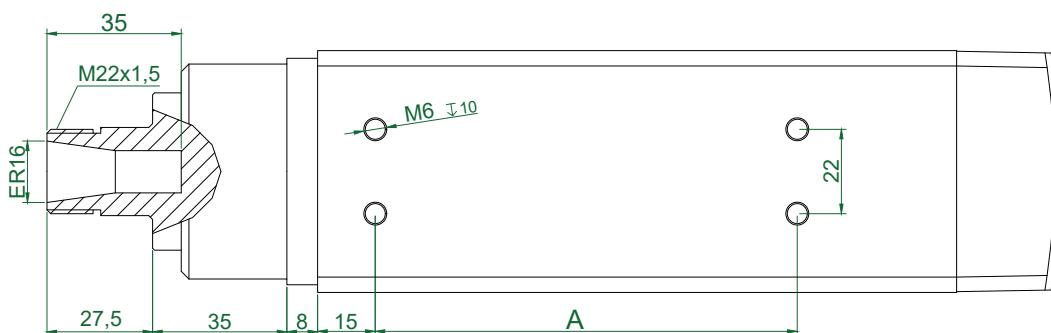


| TYPE                  | A   | L   | Apr. Weight<br>Kg |
|-----------------------|-----|-----|-------------------|
| HM55.55_ER20S-CKM-CR  | 85  | 225 | 3,050             |
| HM55.60_ER20S-CKM-CR  | 85  | 230 | 3,100             |
| HM55.70_ER20S-CKM-CR  | 85  | 240 | 3,250             |
| HM55.85_ER20S-CKM-CR  | 110 | 255 | 3,500             |
| HM55.95_ER20S-CKM-CR  | 110 | 265 | 3,650             |
| HM55.115_ER20S-CKM-CR | 110 | 285 | 4,000             |

PLUG CONNECTION  
(OPTIONAL)

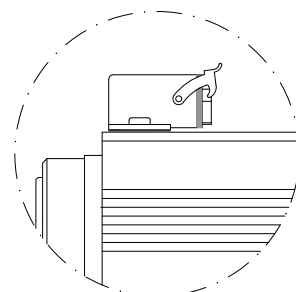


| TYPE      | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|-----------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|           | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM55- 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HM55- 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HM55- 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM55- 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HM55- 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HM55- 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM55- 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HM55- 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HM55- 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |
| HM55- 55  | 24000      | 0,25  | 250            | 400  |     | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HM55- 60  | 24000      | 0,27  | 250            | 400  |     | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 70  | 24000      | 0,45  | 250            | 400  |     | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM55- 85  | 24000      | 0,55  | 250            | 400  |     | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HM55- 95  | 24000      | 0,75  | 250            | 400  |     | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HM55- 115 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,10       | 3,00     |

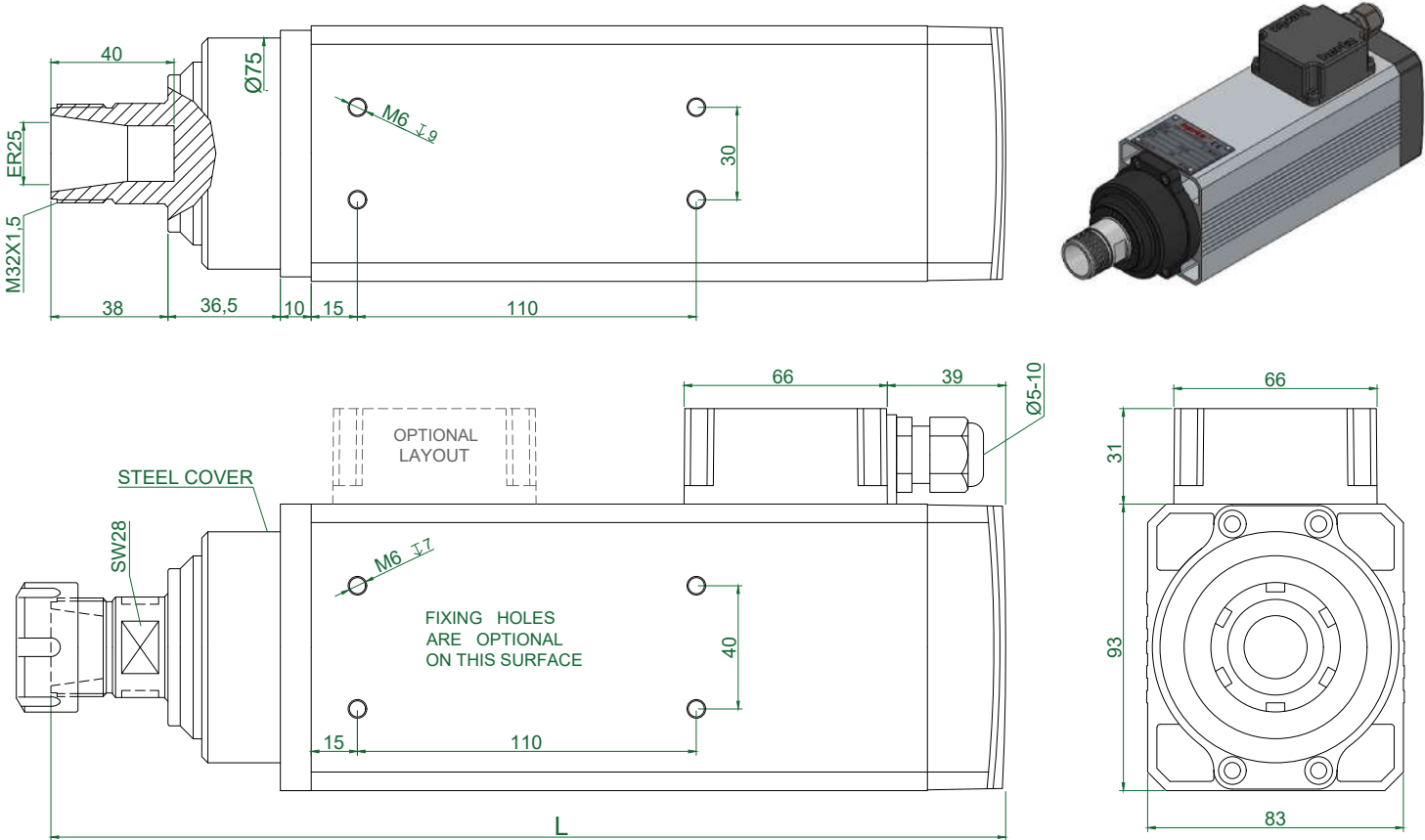


| TYPE                  | A   | L   | Apr. Weight<br>Kg |
|-----------------------|-----|-----|-------------------|
| HM55.55_ER16S-CKM-CR  | 85  | 225 | 3,100             |
| HM55.60_ER16S-CKM-CR  | 85  | 230 | 3,150             |
| HM55.70_ER16S-CKM-CR  | 85  | 240 | 3,300             |
| HM55.85_ER16S-CKM-CR  | 110 | 255 | 3,550             |
| HM55.95_ER16S-CKM-CR  | 110 | 265 | 3,700             |
| HM55.115_ER16S-CKM-CR | 110 | 285 | 4,050             |

PLUG CONNECTION  
(OPTIONAL)

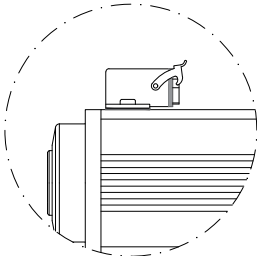


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HM73-09 | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-10 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-12 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HM73-14 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |
| HM73-09 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-10 | 24000      | 1,50  | 250            | 400  |     | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-12 | 24000      | 2,00  | 250            | 400  |     | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HM73-14 | 24000      | 2,20  | 250            | 400  |     | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 24000      | 3,00  | 250            | 400  |     | 380     | 220      | 220/380 | 12,5       | 7,20     |

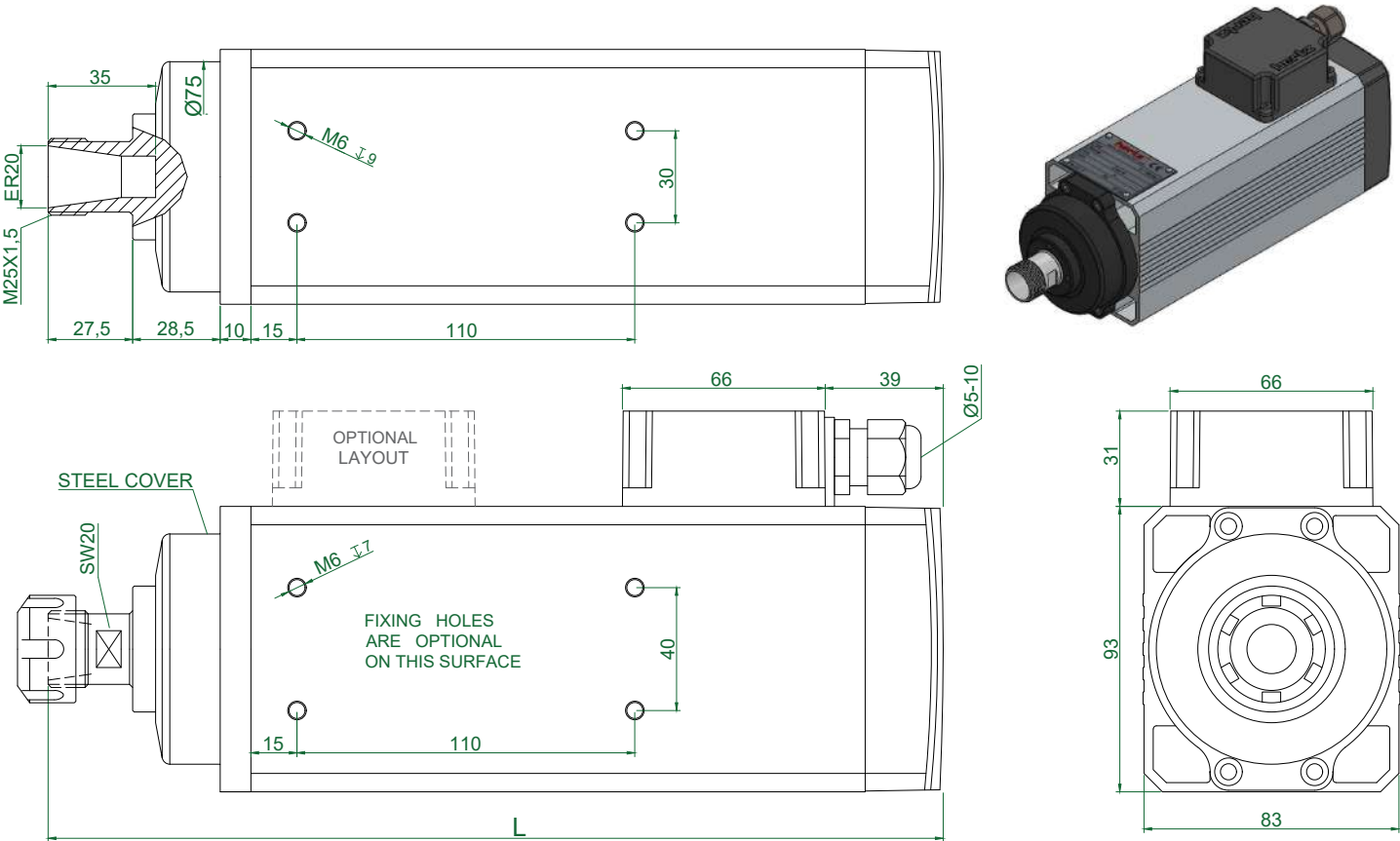


| TYPE                | L   | Apr. Weight Kg |
|---------------------|-----|----------------|
| HM73.09_ER25S-CK-CR | 280 | 6,400          |
| HM73.10_ER25S-CK-CR | 290 | 6,730          |
| HM73.12_ER25S-CK-CR | 310 | 7,380          |
| HM73.14_ER25S-CK-CR | 330 | 7,900          |
| HM73.17_ER25S-CK-CR | 360 | 8,900          |

PLUG CONNECTION (OPTIONAL)

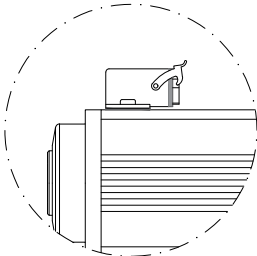


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HM73-09 | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-10 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-12 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HM73-14 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |
| HM73-09 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-10 | 24000      | 1,50  | 250            | 400  |     | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-12 | 24000      | 2,00  | 250            | 400  |     | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HM73-14 | 24000      | 2,20  | 250            | 400  |     | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 24000      | 3,00  | 250            | 400  |     | 380     | 220      | 220/380 | 12,5       | 7,20     |

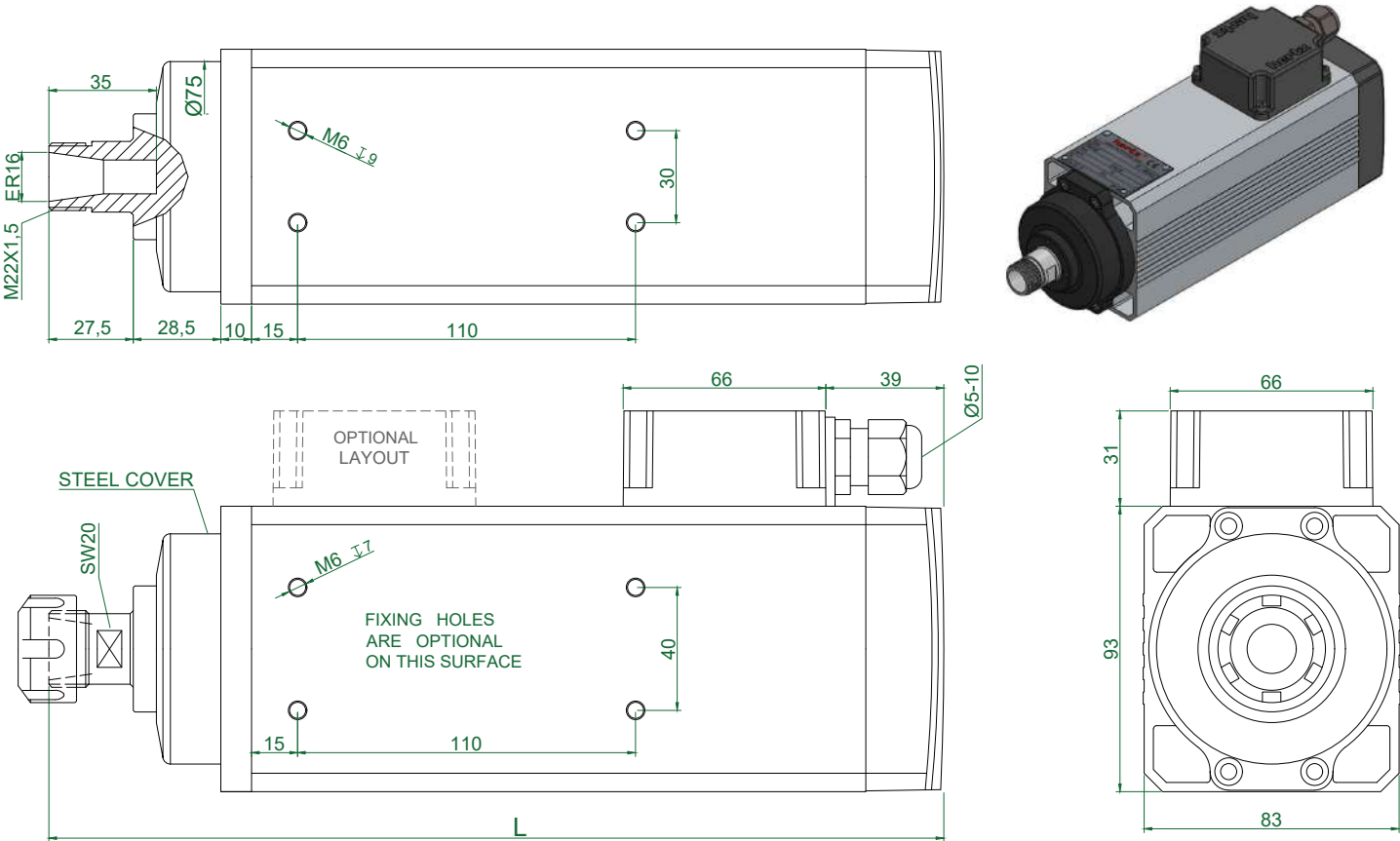


| TYPE                | L   | Apr. Weight Kg |
|---------------------|-----|----------------|
| HM73.09_ER20S-CK-CR | 262 | 5,700          |
| HM73.10_ER20S-CK-CR | 272 | 6,000          |
| HM73.12_ER20S-CK-CR | 292 | 6,650          |
| HM73.14_ER20S-CK-CR | 312 | 7,200          |
| HM73.17_ER20S-CK-CR | 342 | 8,200          |

PLUG CONNECTION  
(OPTIONAL)

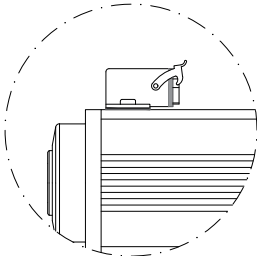


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HM73-09 | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-10 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-12 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HM73-14 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |
| HM73-09 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-10 | 24000      | 1,50  | 250            | 400  |     | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-12 | 24000      | 2,00  | 250            | 400  |     | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HM73-14 | 24000      | 2,20  | 250            | 400  |     | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 24000      | 3,00  | 250            | 400  |     | 380     | 220      | 220/380 | 12,5       | 7,20     |

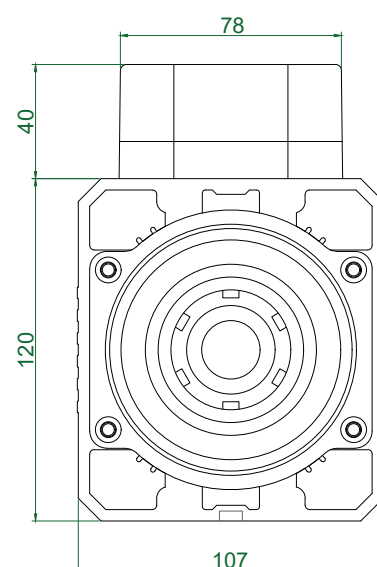
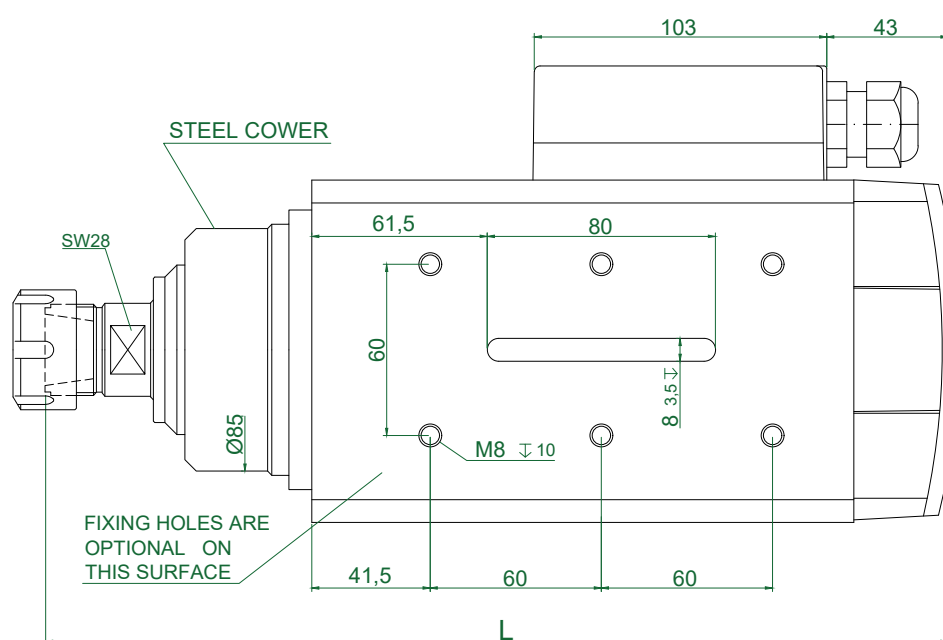
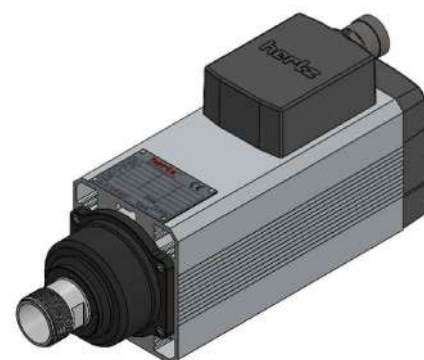
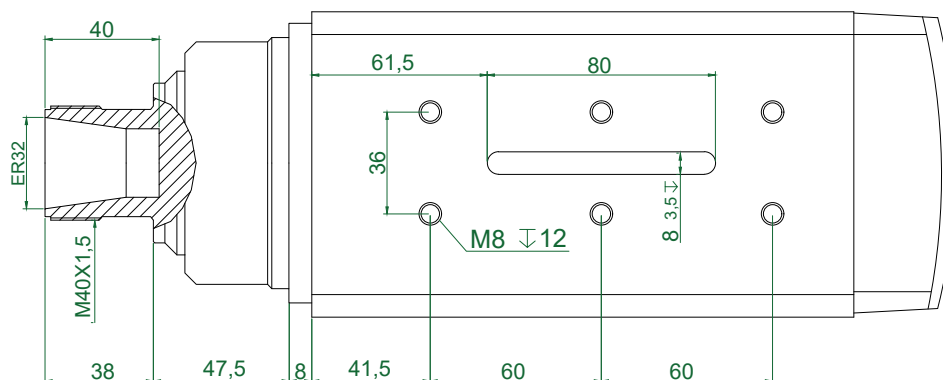


| TYPE                | L   | Apr. Weight Kg |
|---------------------|-----|----------------|
| HM73.09_ER16S-CK-CR | 262 | 5,700          |
| HM73.10_ER16S-CK-CR | 272 | 6,000          |
| HM73.12_ER16S-CK-CR | 292 | 6,650          |
| HM73.14_ER16S-CK-CR | 312 | 7,200          |
| HM73.17_ER16S-CK-CR | 342 | 8,200          |

PLUG CONNECTION (OPTIONAL)

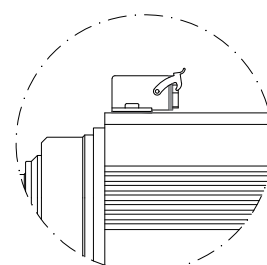


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |          | Absorbion |      |
|---------|------------|-------|----------------|------|-----|---------|----------|----------|-----------|------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v) | A (380v)  |      |
| HM90-10 | 3000       | 1,00  | 40             | 50   | 75  | 380     | 220      | 220/380  | 4,90      | 2,90 |
| HM90-14 | 3000       | 1,35  | 40             | 50   | 75  | 380     | 220      | 220/380  | 5,90      | 3,30 |
| HM90-17 | 3000       | 1,50  | 40             | 50   | 75  | 380     | 220      | 220/380  | 6,50      | 3,80 |
| HM90-10 | 6000       | 2,20  | 70             | 100  | 180 | 220     | 380      | 220/380  | 9,50      | 5,50 |
| HM90-14 | 6000       | 3,50  | 70             | 100  | 180 | 380     | 220      | 220/380  | 13,0      | 7,50 |
| HM90-17 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380  | 16,4      | 9,50 |
| HM90-10 | 12000      | 3,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 13,00     | 7,50 |
| HM90-14 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380  | 16,40     | 9,50 |
| HM90-14 | 12000      | 4,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 18,0      | 9,90 |
| HM90-17 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 19,8      | 11,4 |
| HM90-10 | 18000      | 4,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 16,4      | 9,50 |
| HM90-10 | 18000      | 4,50  | 170            | 300  | 340 | 380     | 220      | 220/380  | 18,0      | 9,90 |
| HM90-14 | 18000      | 5,50  | 170            | 300  | 340 | 380     | 220      | 220/380  | 19,8      | 11,4 |
| HM90-14 | 18000      | 6,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 21,0      | 12,4 |
| HM90-17 | 18000      | 7,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 25,0      | 14,5 |
| HM90-10 | 24000      | 4,00  | 250            | 400  |     | 380     | 220      | 220/380  | 16,4      | 9,50 |
| HM90-10 | 24000      | 4,50  | 250            | 400  |     | 380     | 220      | 220/380  | 18,0      | 9,90 |
| HM90-14 | 24000      | 5,50  | 250            | 400  |     | 380     | 220      | 220/380  | 19,8      | 11,4 |
| HM90-14 | 24000      | 6,00  | 250            | 400  |     | 380     | 220      | 220/380  | 21,0      | 12,4 |
| HM90-17 | 24000      | 7,00  | 250            | 400  |     | 380     | 220      | 220/380  | 25,0      | 14,5 |

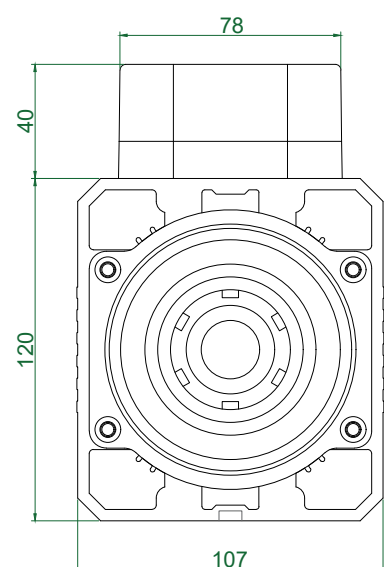
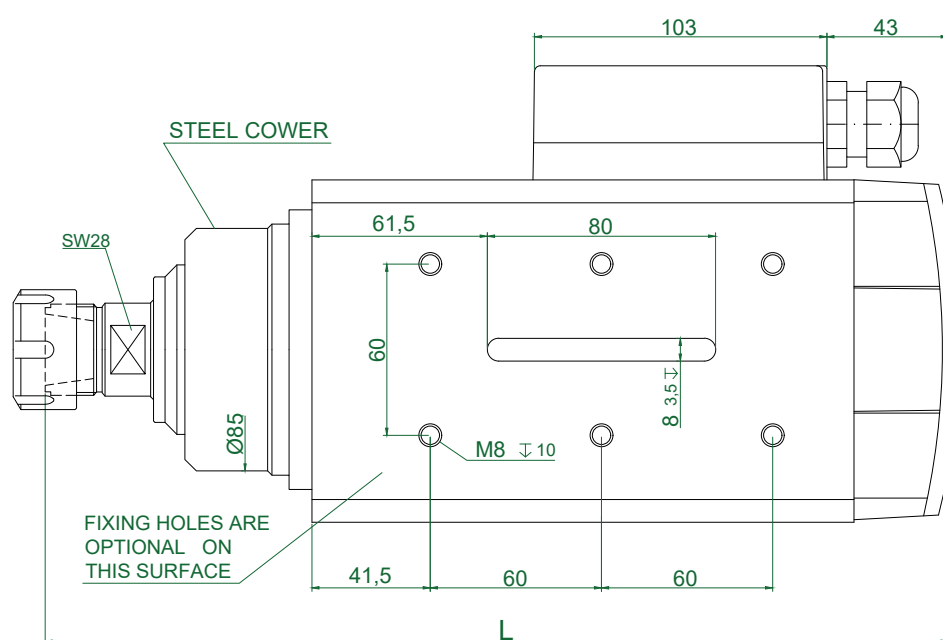
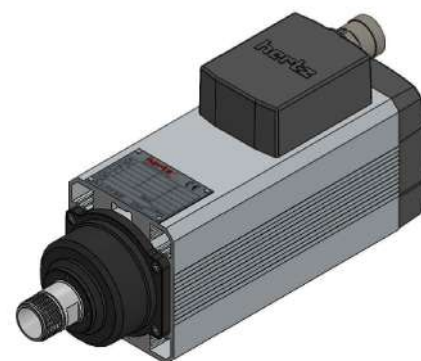
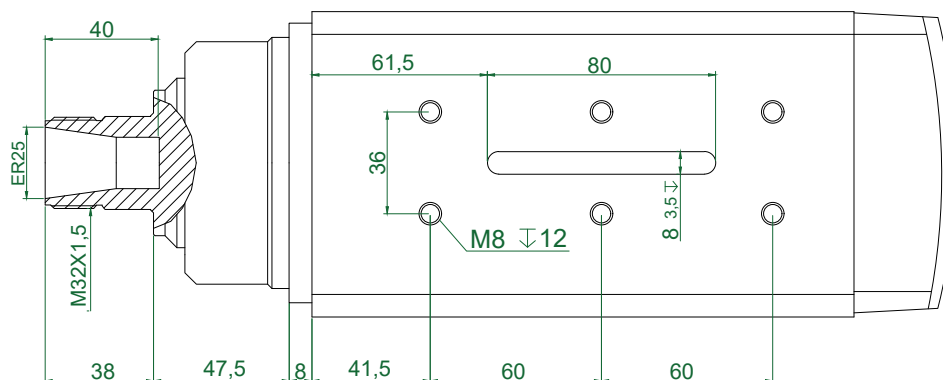


| TYPE                | L   | Apr. Weight Kg |
|---------------------|-----|----------------|
| HM90.10_ER32S-CK-CR | 317 | 11,400         |
| HM90.14_ER32S-CK-CR | 357 | 13,500         |
| HM90.17_ER32S-CK-CR | 387 | 15,000         |

PLUG CONNECTION  
(optional)

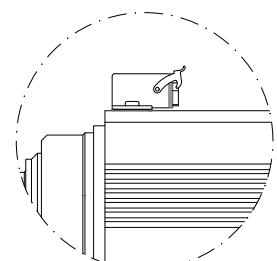


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM90-10 | 3000       | 1,00  | 40             | 50   | 75  | 380     | 220      | 220/380 | 4,90       | 2,90     |
| HM90-14 | 3000       | 1,35  | 40             | 50   | 75  | 380     | 220      | 220/380 | 5,90       | 3,30     |
| HM90-17 | 3000       | 1,50  | 40             | 50   | 75  | 380     | 220      | 220/380 | 6,50       | 3,80     |
| HM90-10 | 6000       | 2,20  | 70             | 100  | 180 | 220     | 380      | 220/380 | 9,50       | 5,50     |
| HM90-14 | 6000       | 3,50  | 70             | 100  | 180 | 380     | 220      | 220/380 | 13,0       | 7,50     |
| HM90-17 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM90-10 | 12000      | 3,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 13,00      | 7,50     |
| HM90-14 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380 | 16,40      | 9,50     |
| HM90-14 | 12000      | 4,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 18,0       | 9,90     |
| HM90-17 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 19,8       | 11,4     |
| HM90-10 | 18000      | 4,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM90-10 | 18000      | 4,50  | 170            | 300  | 340 | 380     | 220      | 220/380 | 18,0       | 9,90     |
| HM90-14 | 18000      | 5,50  | 170            | 300  | 340 | 380     | 220      | 220/380 | 19,8       | 11,4     |
| HM90-14 | 18000      | 6,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 21,0       | 12,4     |
| HM90-17 | 18000      | 7,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 25,0       | 14,5     |
| HM90-10 | 24000      | 4,00  | 250            | 400  |     | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM90-10 | 24000      | 4,50  | 250            | 400  |     | 380     | 220      | 220/380 | 18,0       | 9,90     |
| HM90-14 | 24000      | 5,50  | 250            | 400  |     | 380     | 220      | 220/380 | 19,8       | 11,4     |
| HM90-14 | 24000      | 6,00  | 250            | 400  |     | 380     | 220      | 220/380 | 21,0       | 12,4     |
| HM90-17 | 24000      | 7,00  | 250            | 400  |     | 380     | 220      | 220/380 | 25,0       | 14,5     |

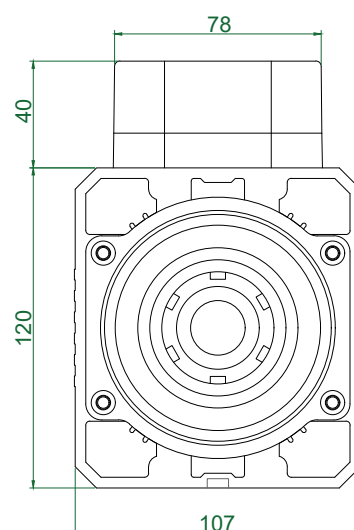
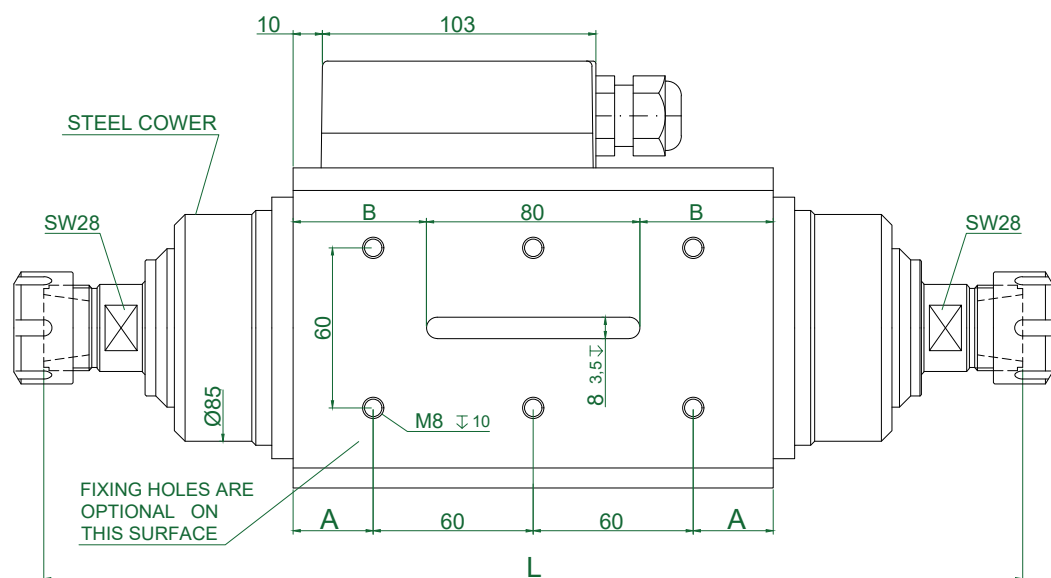
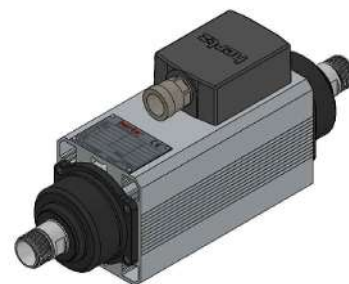
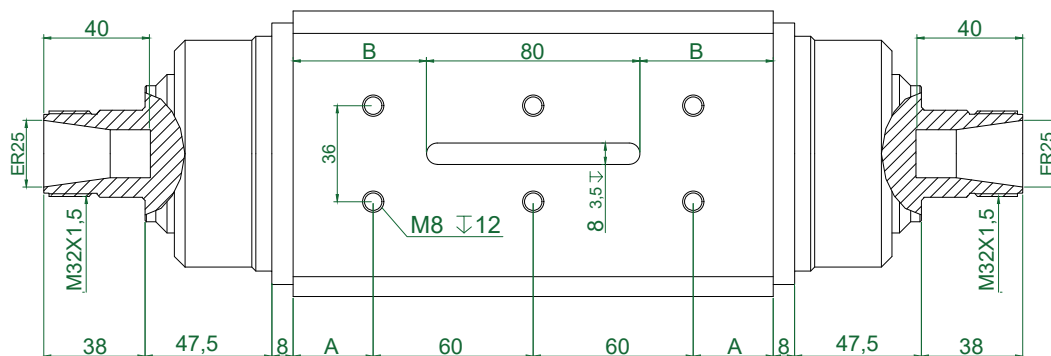


| TYPE                | L   | Apr. Weight Kg |
|---------------------|-----|----------------|
| HM90.10_ER25S-CK-CR | 317 | 11,150         |
| HM90.14_ER25S-CK-CR | 357 | 13,300         |
| HM90.17_ER25S-CK-CR | 387 | 14,800         |

PLUG CONNECTION  
(optional)



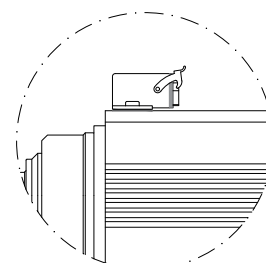
| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM90-10 | 3000       | 1,00  | 40             | 50   | 75  | 380     | 220      | 220/380 | 4,90       | 2,90     |
| HM90-14 | 3000       | 1,35  | 40             | 50   | 75  | 380     | 220      | 220/380 | 5,90       | 3,30     |
| HM90-17 | 3000       | 1,50  | 40             | 50   | 75  | 380     | 220      | 220/380 | 6,50       | 3,80     |
| HM90-10 | 6000       | 2,20  | 70             | 100  | 180 | 220     | 380      | 220/380 | 9,50       | 5,50     |
| HM90-14 | 6000       | 3,50  | 70             | 100  | 180 | 380     | 220      | 220/380 | 13,0       | 7,50     |
| HM90-17 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM90-10 | 12000      | 3,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 13,00      | 7,50     |
| HM90-14 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380 | 16,40      | 9,50     |
| HM90-14 | 12000      | 4,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 18,0       | 9,90     |
| HM90-17 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 19,8       | 11,4     |
| HM90-10 | 18000      | 4,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM90-10 | 18000      | 4,50  | 170            | 300  | 340 | 380     | 220      | 220/380 | 18,0       | 9,90     |
| HM90-14 | 18000      | 5,50  | 170            | 300  | 340 | 380     | 220      | 220/380 | 19,8       | 11,4     |
| HM90-14 | 18000      | 6,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 21,0       | 12,4     |
| HM90-17 | 18000      | 7,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 25,0       | 14,5     |
| HM90-10 | 24000      | 4,00  | 250            | 400  |     | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM90-10 | 24000      | 4,50  | 250            | 400  |     | 380     | 220      | 220/380 | 18,0       | 9,90     |
| HM90-14 | 24000      | 5,50  | 250            | 400  |     | 380     | 220      | 220/380 | 19,8       | 11,4     |
| HM90-14 | 24000      | 6,00  | 250            | 400  |     | 380     | 220      | 220/380 | 21,0       | 12,4     |
| HM90-17 | 24000      | 7,00  | 250            | 400  |     | 380     | 220      | 220/380 | 25,0       | 14,5     |



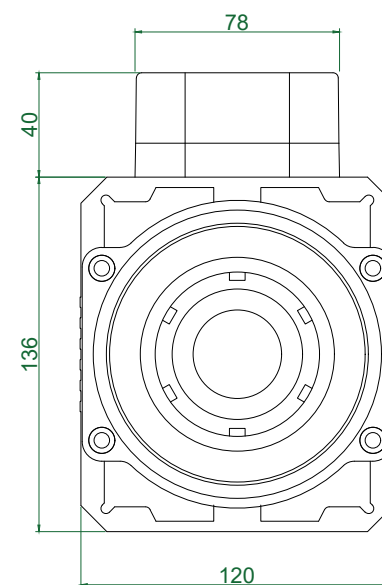
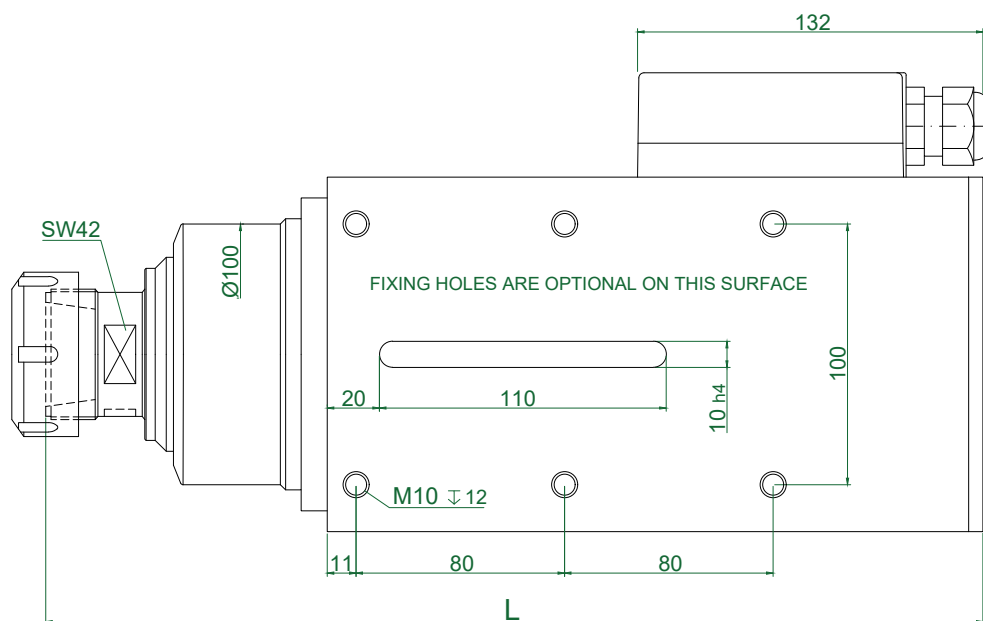
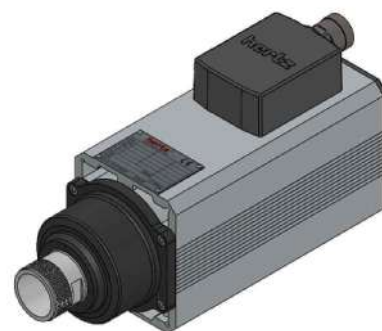
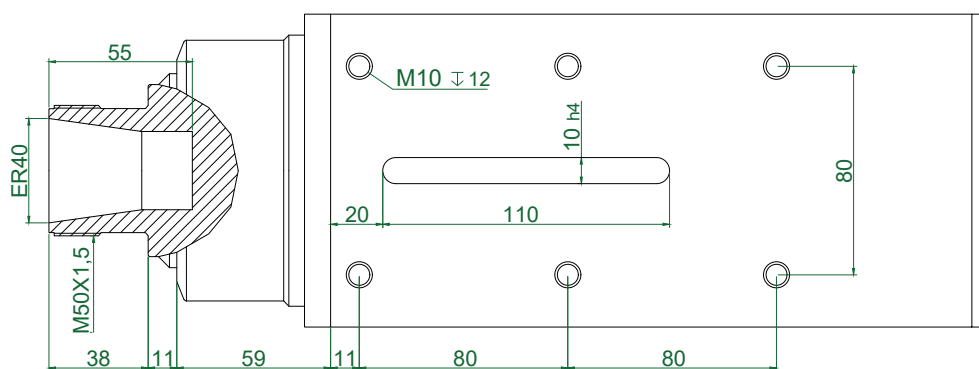
NO COOLING / S2 - Max. 30 min.

| TYPE                   | A  | B  | L   | Apr. Weight Kg |
|------------------------|----|----|-----|----------------|
| HM90.10_ER25S-CK-CR-DS | 30 | 50 | 367 | 12,350         |
| HM90.14_ER25S-CK-CR-DS | 50 | 70 | 407 | 14,500         |
| HM90.17_ER25S-CK-CR-DS | 65 | 85 | 437 | 16,000         |

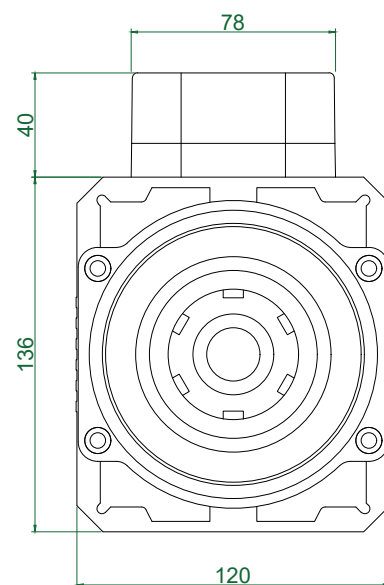
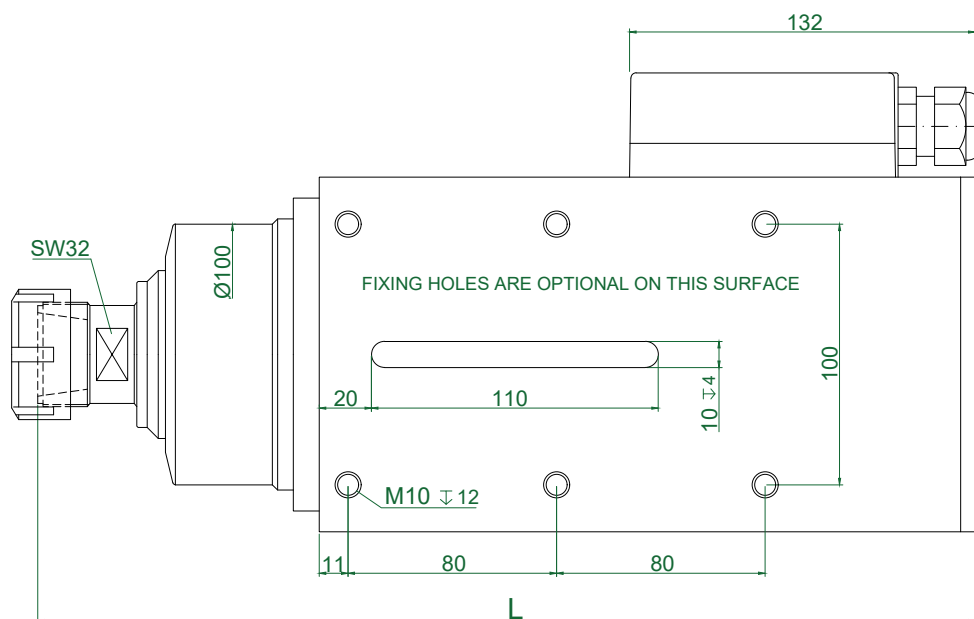
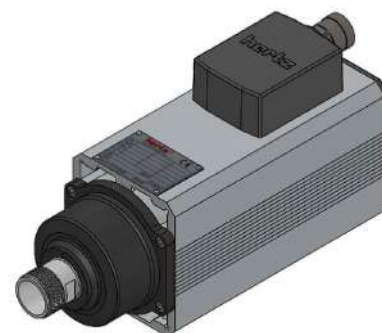
PLUG CONNECTION (optional)



| TYPE     | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          | Absorption |          |
|----------|------------|-------|----------------|------|-----|---------|----------|------------|----------|
|          | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v)   | A (380v) |
| HM110-10 | 3000       | 2,20  | 40             | 50   | 75  | 220     | 380      | 9,50       | 5,50     |
| HM110-12 | 3000       | 3,00  | 40             | 50   | 75  | 380     | 220      | 12,5       | 7,20     |
| HM110-10 | 6000       | 3,00  | 140            | 200  | 360 | 380     | 220      | 12,5       | 7,20     |
| HM110-10 | 6000       | 3,00  | 70             | 100  | 180 | 380     | 220      | 12,5       | 7,20     |
| HM110-10 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 16,4       | 9,50     |
| HM110-10 | 6000       | 4,00  | 70             | 100  | 180 | 380     | 220      | 16,4       | 9,50     |
| HM110-12 | 6000       | 5,50  | 140            | 200  | 360 | 380     | 220      | 19,8       | 11,40    |
| HM110-12 | 6000       | 5,50  | 70             | 100  | 180 | 380     | 220      | 19,8       | 11,40    |
| HM110-10 | 12000      | 4,00  | 300            | 400  | 600 | 380     | 220      | 16,4       | 9,50     |
| HM110-10 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 16,4       | 9,50     |
| HM110-10 | 12000      | 5,50  | 300            | 400  | 600 | 380     | 220      | 19,8       | 11,40    |
| HM110-10 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 19,8       | 11,40    |
| HM110-12 | 12000      | 7,50  | 300            | 400  | 600 | 380     | 220      | 28,7       | 16,6     |
| HM110-12 | 12000      | 7,50  | 150            | 200  | 300 | 380     | 220      | 28,7       | 16,6     |
| HM110-10 | 18000      | 7,50  | 340            | 600  | 680 | 380     | 220      | 28,7       | 16,6     |
| HM110-10 | 18000      | 7,50  | 170            | 300  | 340 | 380     | 220      | 28,7       | 16,6     |
| HM110-12 | 18000      | 9,00  | 340            | 600  | 680 | 380     | 220      | 34,5       | 20,0     |
| HM110-12 | 18000      | 9,00  | 170            | 300  | 340 | 380     | 220      | 34,5       | 20,0     |



| TYPE                 | L   | Apr. Weight Kg |
|----------------------|-----|----------------|
| HM110.10_ER40S-CK-CR | 340 | 16,900         |
| HM110.12_ER40S-CK-CR | 360 | 18,300         |

[illegible]

| TYPE                 | L   | Apr. Weight<br>Kg |
|----------------------|-----|-------------------|
| HM110.10_ER32S-CK-CR | 340 | 16,600            |
| HM110.12_ER32S-CK-CR | 360 | 18,000            |

## CONTENTS - İÇERİK

### HMA

HMA.XX\_ER20S-CK-2R  
HMA.XX\_ER20S-CK-1R  
HMA.XX\_ER16S-CK-2R  
HMA.XX\_ER16S-CK-1R  
HMA.XX\_ER16M-CK-1R  
HMA.XX\_ER20S-AK-1R  
HMA.XX\_ER16S-AK-1R  
HMA.XX\_ER16M-AK-1R

### HMB

HMB.XX\_ER25S-CK-2R  
HMB.XX\_ER20S-CK-2R  
HMB.XX\_ER16S-CK-2R  
HMB.XX\_ER20S-AK-2R  
HMB.XX\_ER16S-AK-2R

### HM55

HM55.XX\_ER20S-CK-2R  
HM55.XX\_ER16S-CK-2R  
HM55.XX\_ER16M-CK-1R

### HM73

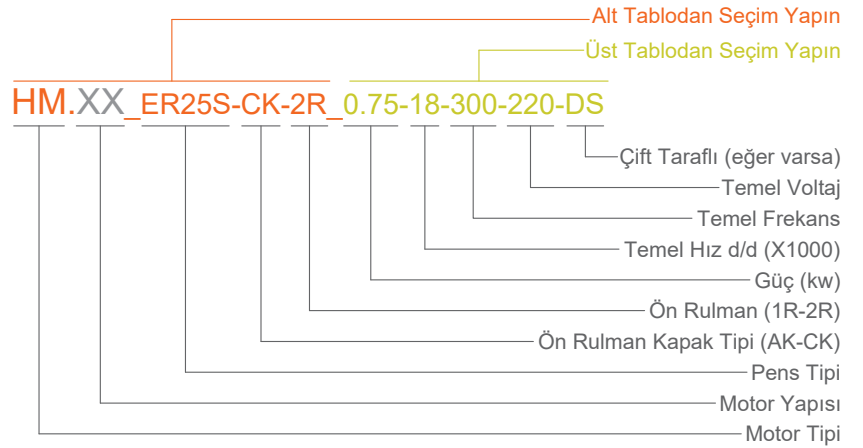
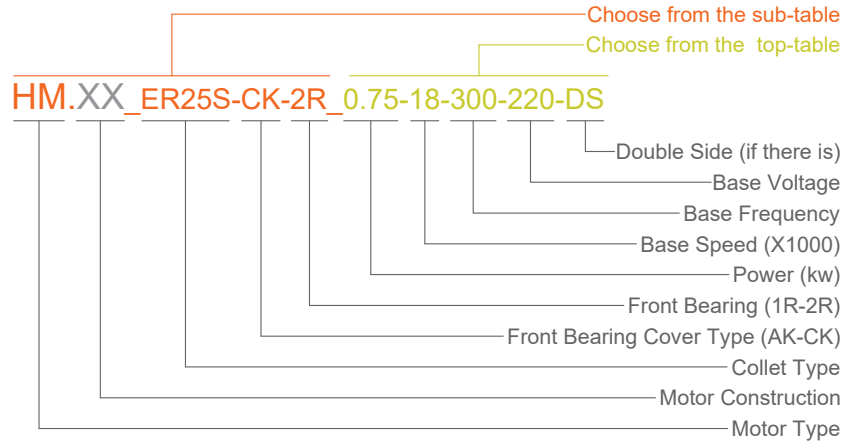
HM73.XX\_ER25S-CK-2R  
HM73.XX\_ER20S-CK-2R  
HM73.XX\_ER16S-CK-2R

### HM90

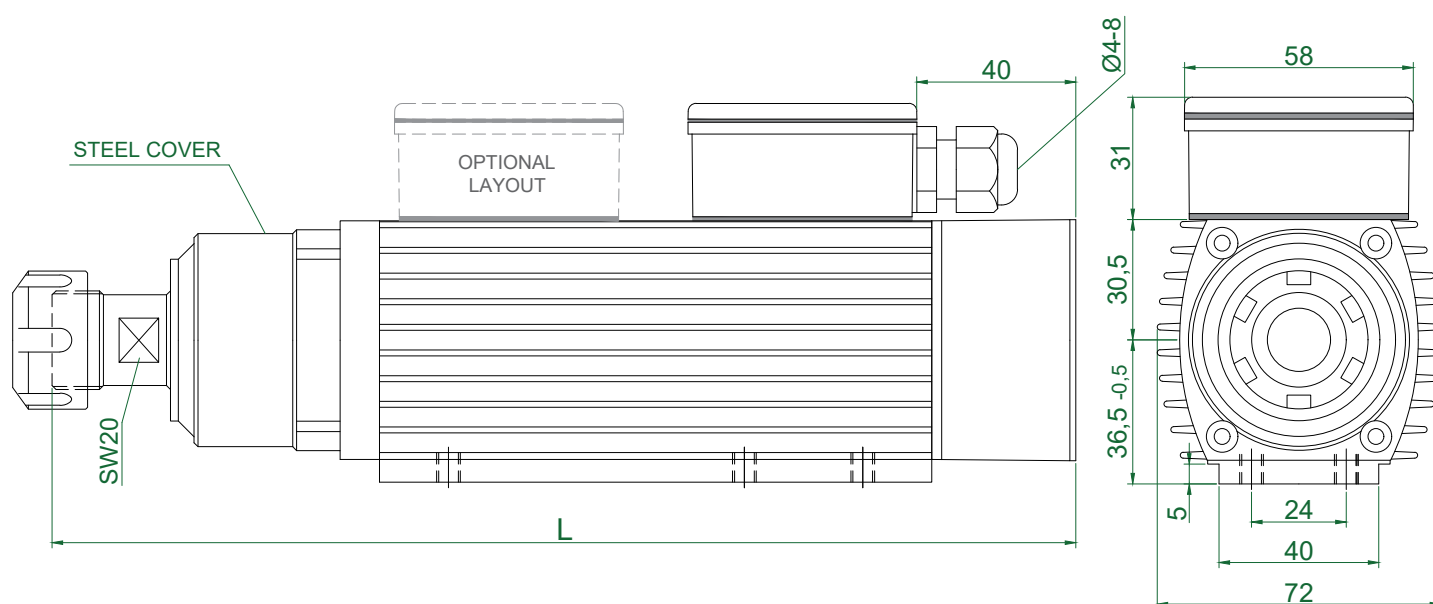
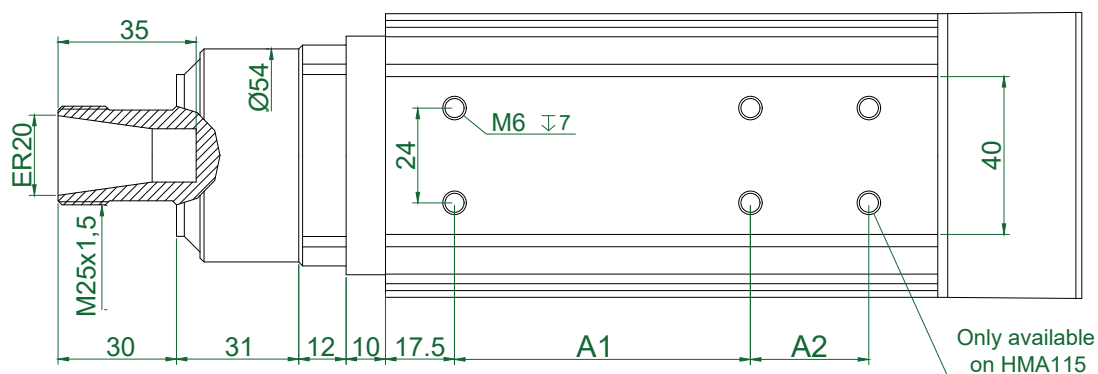
HM90.XX\_ER32S-CK-2R  
HM90.XX\_ER25S-CK-2R  
HM90.XX\_ER25S-CK-2R-DS  
HM90.XX\_ER25M-CK-1R-DS

### HM110

HM110.XX\_ER32S-CK-2R

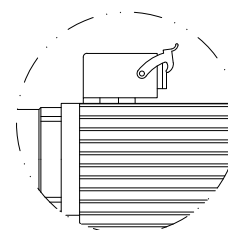


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |
| HMA 55  | 24000      | 0,25  | 250            | 400  |     | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 24000      | 0,27  | 250            | 400  |     | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 24000      | 0,45  | 250            | 400  |     | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 24000      | 0,55  | 250            | 400  |     | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 24000      | 0,75  | 250            | 400  |     | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,10       | 3,00     |

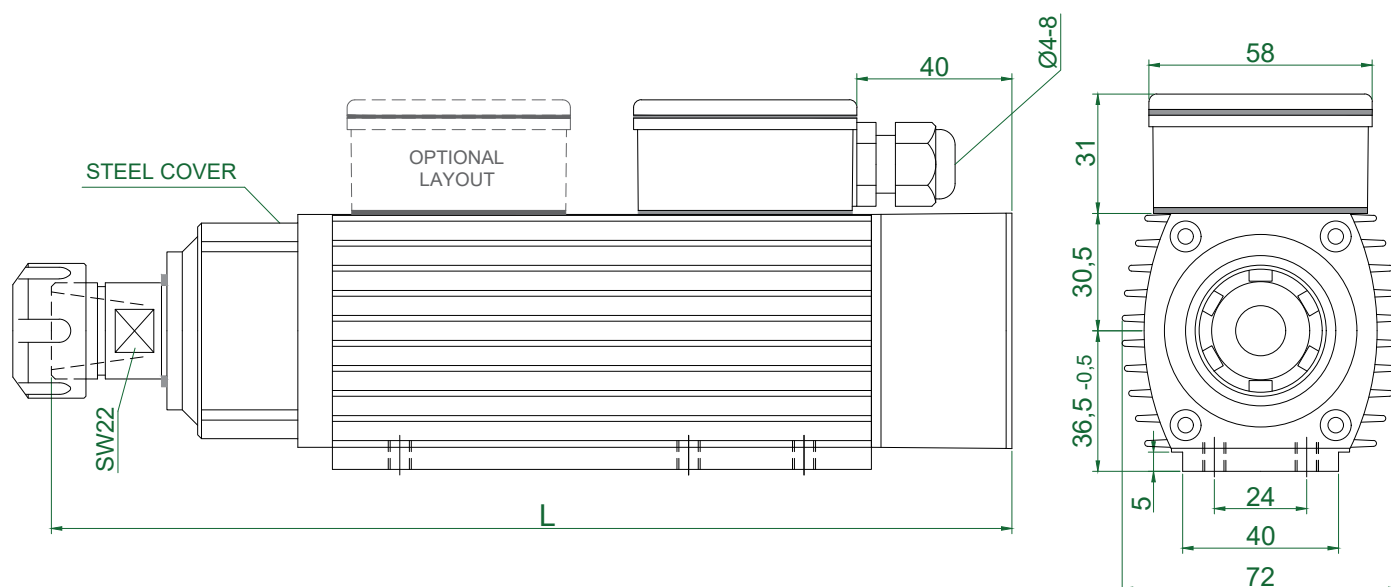
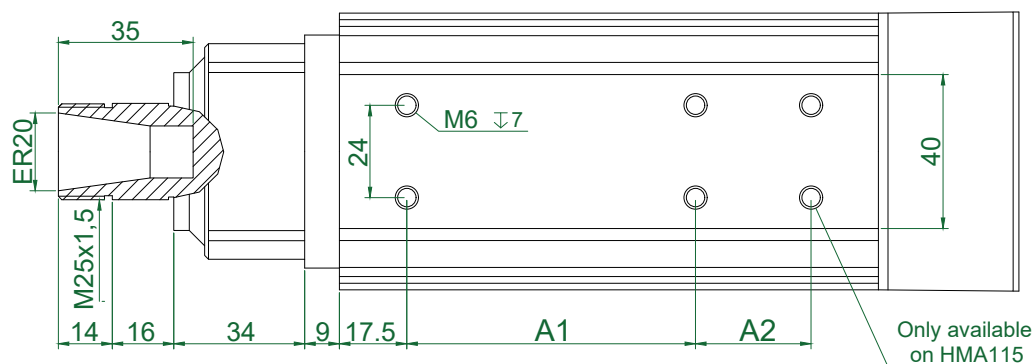


| TYPE                | A1 | A2 | L   | Apr. Weight<br>Kg |
|---------------------|----|----|-----|-------------------|
| HMA 55_ER20S-CK-2R  | 60 | -  | 215 | 2,500             |
| HMA 60_ER20S-CK-2R  | 60 | -  | 220 | 2,600             |
| HMA 70_ER20S-CK-2R  | 75 | -  | 230 | 2,700             |
| HMA 85_ER20S-CK-2R  | 75 | -  | 245 | 3,000             |
| HMA 95_ER20S-CK-2R  | 75 | -  | 260 | 3,200             |
| HMA 115_ER20S-CK-2R | 75 | 30 | 280 | 3,600             |

### Plug Connection (optional)

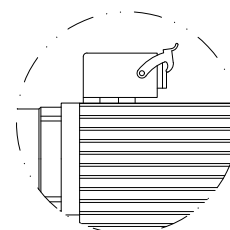


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |
| HMA 55  | 24000      | 0,25  | 250            | 400  |     | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 24000      | 0,27  | 250            | 400  |     | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 24000      | 0,45  | 250            | 400  |     | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 24000      | 0,55  | 250            | 400  |     | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 24000      | 0,75  | 250            | 400  |     | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,10       | 3,00     |

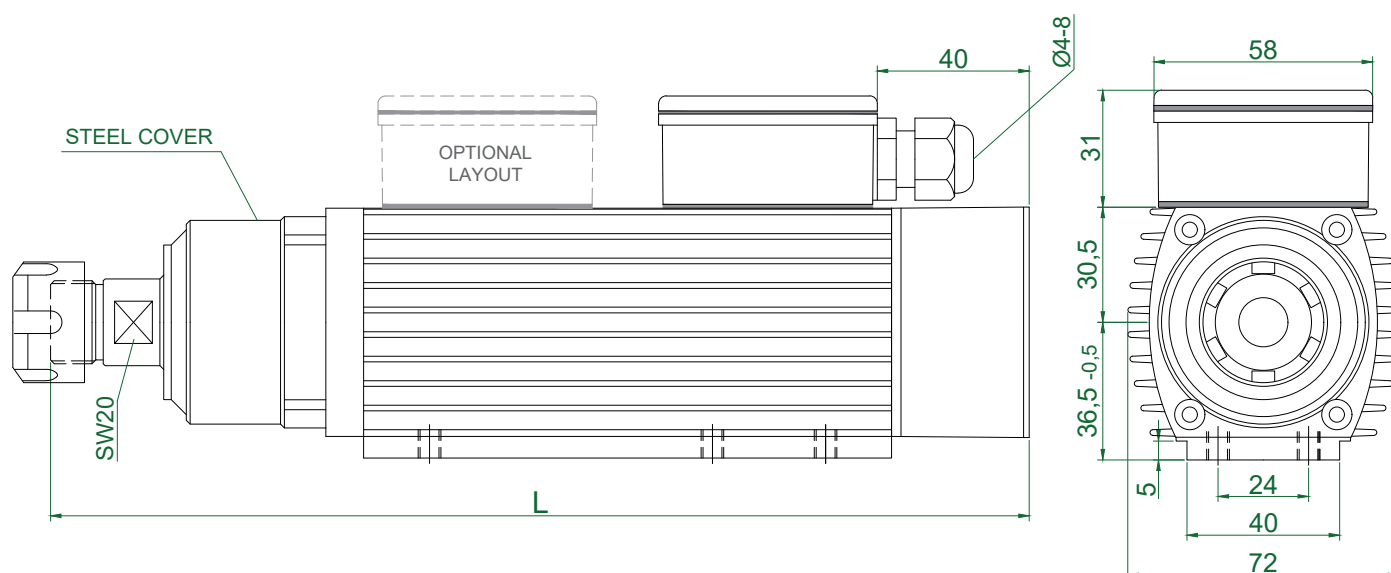
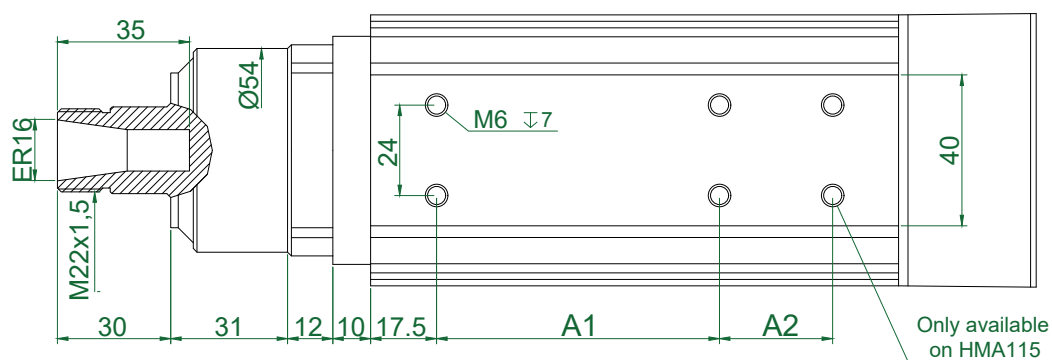


| TYPE                | A1 | A2 | L   | Apr. Weight<br>Kg |
|---------------------|----|----|-----|-------------------|
| HMA 55_ER20S-CK-1R  | 60 | -  | 210 | 2,300             |
| HMA 60_ER20S-CK-1R  | 60 | -  | 215 | 2,350             |
| HMA 70_ER20S-CK-1R  | 75 | -  | 225 | 2,450             |
| HMA 85_ER20S-CK-1R  | 75 | -  | 240 | 2,800             |
| HMA 95_ER20S-CK-1R  | 75 | -  | 250 | 3,000             |
| HMA 115_ER20S-CK-1R | 75 | 30 | 270 | 3,250             |

### Plug Connection (optional)

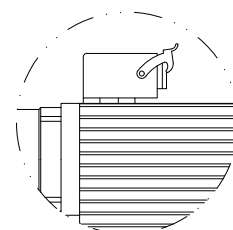


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|-----------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)  | A (380v) |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44      | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50      | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00      | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20      | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60      | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80      | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60      | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90      | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40      | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20      | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70      | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10      | 3,00     |
| HMA 55  | 24000      | 0,25  | 250            | 400  |     | 220     | 380      | 220/380 | 1,60      | 0,92     |
| HMA 60  | 24000      | 0,27  | 250            | 400  |     | 220     | 380      | 220/380 | 1,90      | 1,10     |
| HMA 70  | 24000      | 0,45  | 250            | 400  |     | 220     | 380      | 220/380 | 2,40      | 1,40     |
| HMA 85  | 24000      | 0,55  | 250            | 400  |     | 220     | 380      | 220/380 | 3,20      | 1,80     |
| HMA 95  | 24000      | 0,75  | 250            | 400  |     | 220     | 380      | 220/380 | 3,70      | 2,20     |
| HMA 115 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,10      | 3,00     |

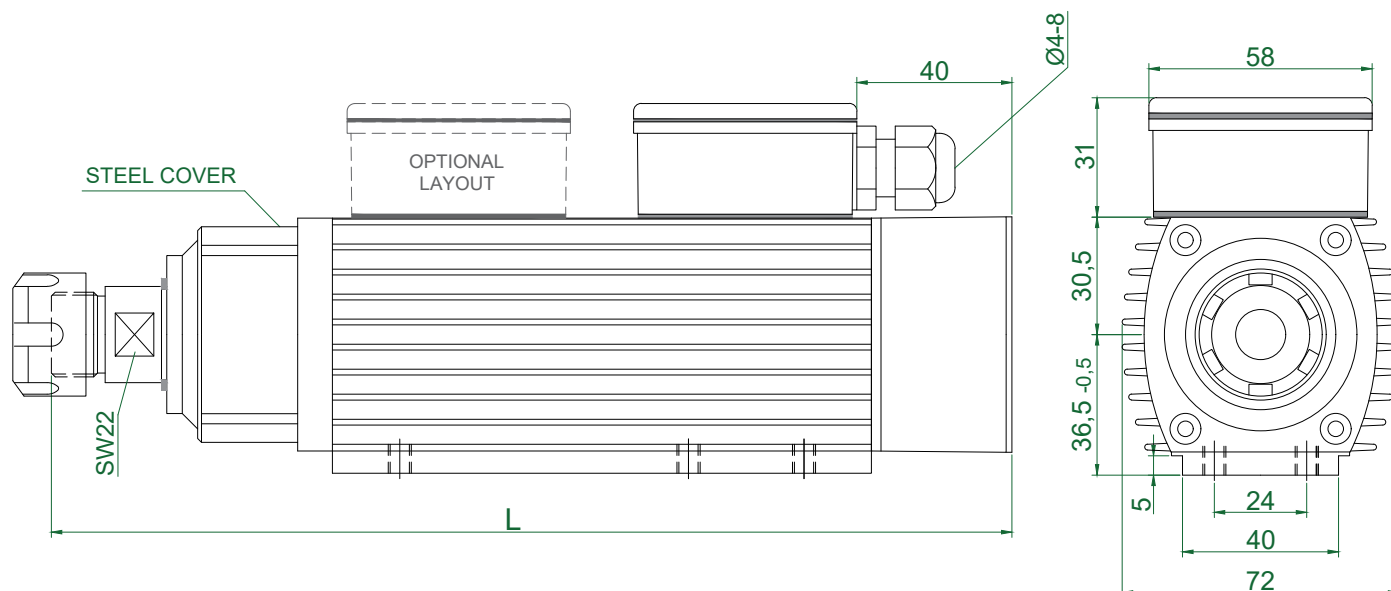
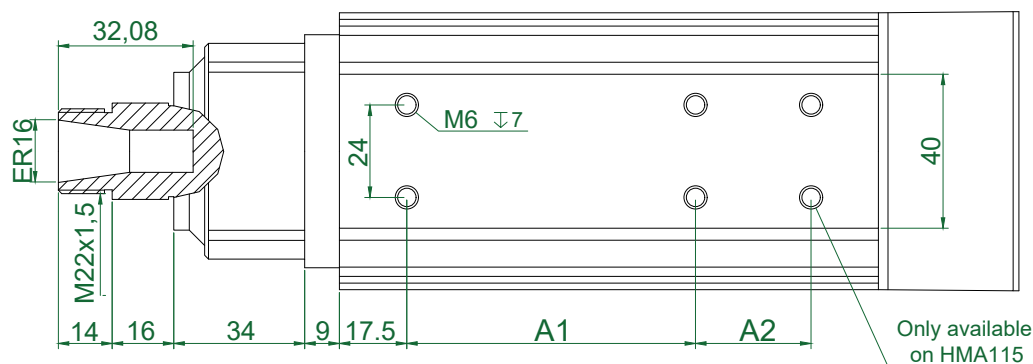


| TYPE                | A1 | A2 | L   | Apr. Weight<br>Kg |
|---------------------|----|----|-----|-------------------|
| HMA 55_ER16S-CK-2R  | 60 | -  | 215 | 2,550             |
| HMA 60_ER16S-CK-2R  | 60 | -  | 220 | 2,600             |
| HMA 70_ER16S-CK-2R  | 75 | -  | 230 | 2,700             |
| HMA 85_ER16S-CK-2R  | 75 | -  | 245 | 3,100             |
| HMA 95_ER16S-CK-2R  | 75 | -  | 260 | 3,250             |
| HMA 115_ER16S-CK-2R | 75 | 30 | 280 | 3,600             |

### Plug Connection (optional)

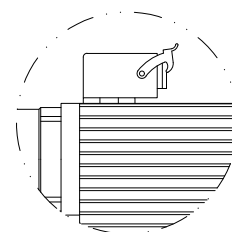


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|-----------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)  | A (380v) |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44      | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50      | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00      | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20      | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60      | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80      | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60      | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90      | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40      | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20      | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70      | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10      | 3,00     |
| HMA 55  | 24000      | 0,25  | 250            | 400  |     | 220     | 380      | 220/380 | 1,60      | 0,92     |
| HMA 60  | 24000      | 0,27  | 250            | 400  |     | 220     | 380      | 220/380 | 1,90      | 1,10     |
| HMA 70  | 24000      | 0,45  | 250            | 400  |     | 220     | 380      | 220/380 | 2,40      | 1,40     |
| HMA 85  | 24000      | 0,55  | 250            | 400  |     | 220     | 380      | 220/380 | 3,20      | 1,80     |
| HMA 95  | 24000      | 0,75  | 250            | 400  |     | 220     | 380      | 220/380 | 3,70      | 2,20     |
| HMA 115 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,10      | 3,00     |

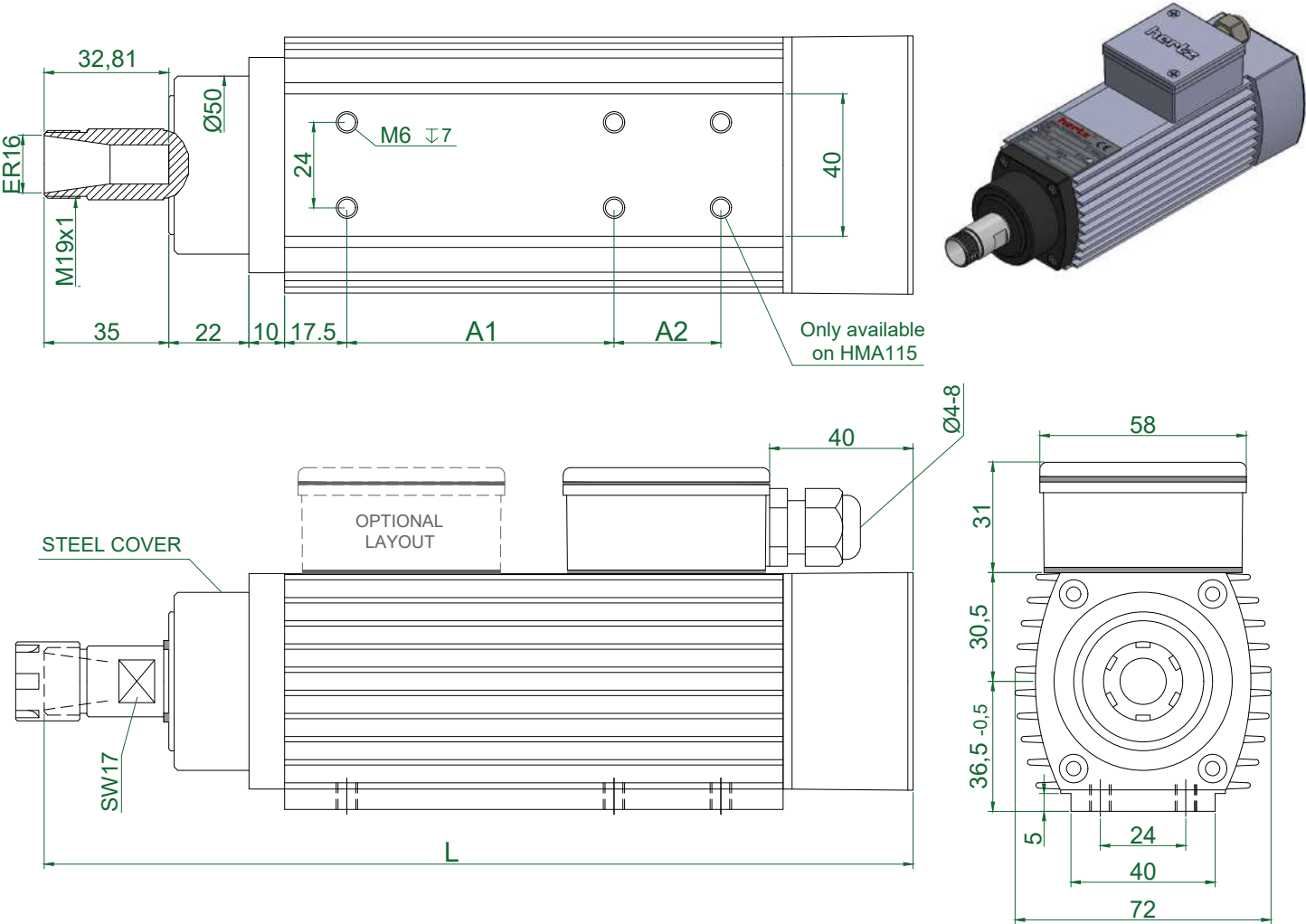


| TYPE                | A1 | A2 | L   | Apr. Weight<br>Kg |
|---------------------|----|----|-----|-------------------|
| HMA 55_ER16S-CK-1R  | 60 | -  | 210 | 2,300             |
| HMA 60_ER16S-CK-1R  | 60 | -  | 215 | 2,350             |
| HMA 70_ER16S-CK-1R  | 75 | -  | 225 | 2,450             |
| HMA 85_ER16S-CK-1R  | 75 | -  | 240 | 2,800             |
| HMA 95_ER16S-CK-1R  | 75 | -  | 250 | 3,000             |
| HMA 115_ER16S-CK-1R | 75 | 30 | 270 | 3,350             |

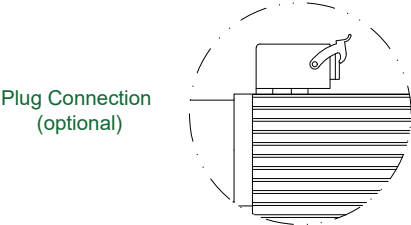
### Plug Connection (optional)



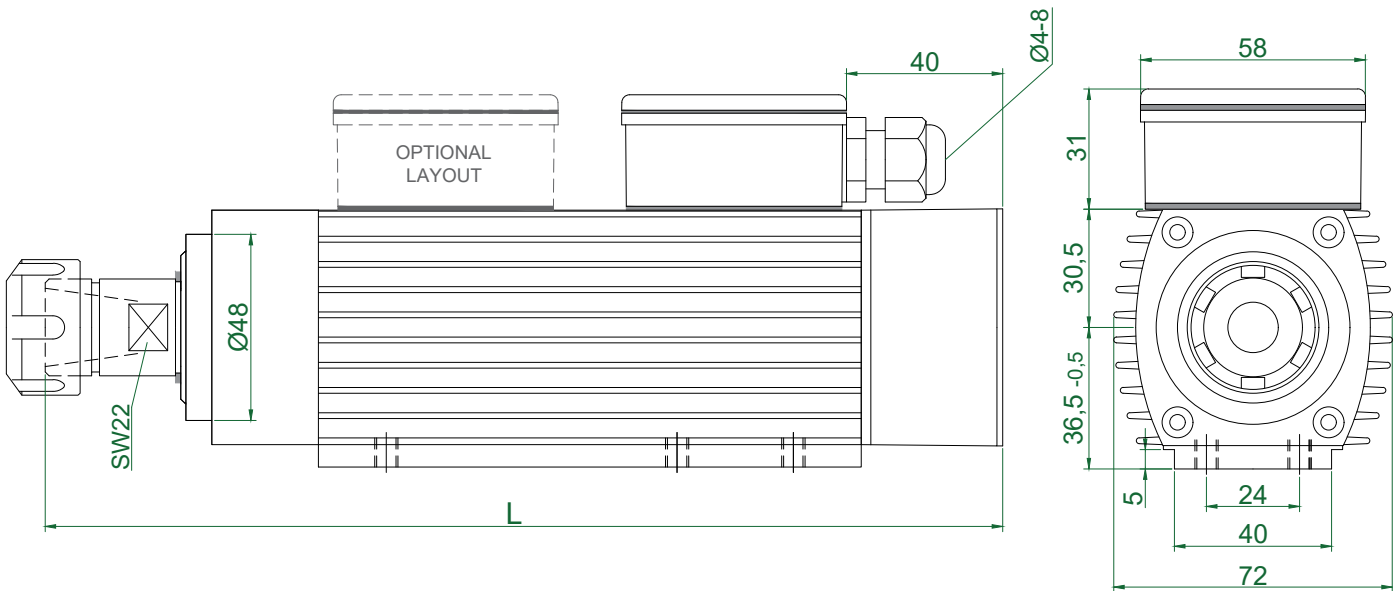
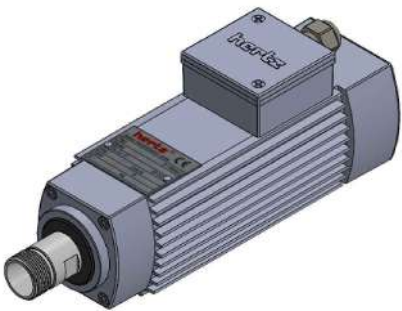
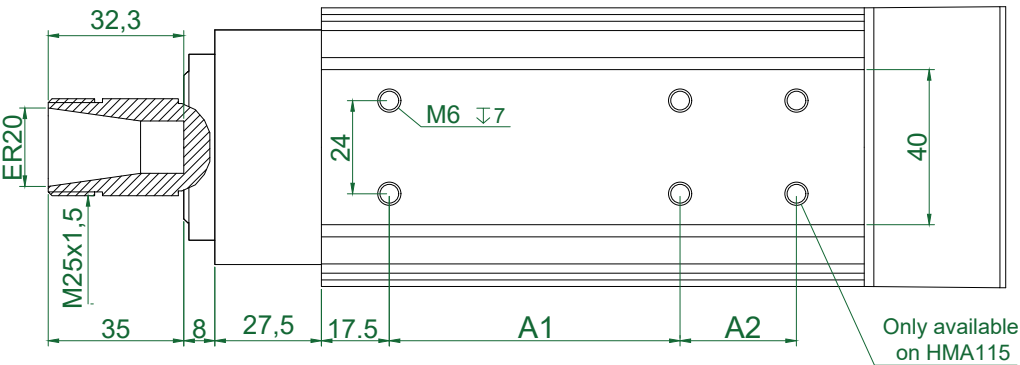
| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |          | Absorbtion |      |
|---------|------------|-------|----------------|------|-----|---------|----------|----------|------------|------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v) | A (380v)   |      |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380  | 1,44       | 0,84 |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380  | 1,50       | 0,87 |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380  | 2,00       | 1,16 |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380  | 2,20       | 1,20 |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380  | 2,60       | 1,50 |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380  | 3,80       | 2,20 |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380  | 1,60       | 0,92 |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380  | 1,90       | 1,10 |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380  | 2,40       | 1,40 |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380  | 3,20       | 1,80 |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380  | 3,70       | 2,20 |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380  | 5,10       | 3,00 |
| HMA 55  | 24000      | 0,25  | 250            | 400  |     | 220     | 380      | 220/380  | 1,60       | 0,92 |
| HMA 60  | 24000      | 0,27  | 250            | 400  |     | 220     | 380      | 220/380  | 1,90       | 1,10 |
| HMA 70  | 24000      | 0,45  | 250            | 400  |     | 220     | 380      | 220/380  | 2,40       | 1,40 |
| HMA 85  | 24000      | 0,55  | 250            | 400  |     | 220     | 380      | 220/380  | 3,20       | 1,80 |
| HMA 95  | 24000      | 0,75  | 250            | 400  |     | 220     | 380      | 220/380  | 3,70       | 2,20 |
| HMA 115 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380  | 5,10       | 3,00 |



| TYPE                | A1 | A2 | L   | Apr. Weight<br>Kg |
|---------------------|----|----|-----|-------------------|
| HMA 55_ER16M-CK-1R  | 60 | -  | 204 | 2,350             |
| HMA 60_ER16M-CK-1R  | 60 | -  | 209 | 2,400             |
| HMA 70_ER16M-CK-1R  | 75 | -  | 219 | 2,450             |
| HMA 85_ER16M-CK-1R  | 75 | -  | 234 | 2,850             |
| HMA 95_ER16M-CK-1R  | 75 | -  | 244 | 3,000             |
| HMA 115_ER16M-CK-1R | 75 | 30 | 264 | 3,350             |

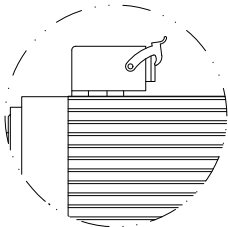


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |
| HMA 55  | 24000      | 0,25  | 250            | 400  |     | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 24000      | 0,27  | 250            | 400  |     | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 24000      | 0,45  | 250            | 400  |     | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 24000      | 0,55  | 250            | 400  |     | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 24000      | 0,75  | 250            | 400  |     | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,10       | 3,00     |

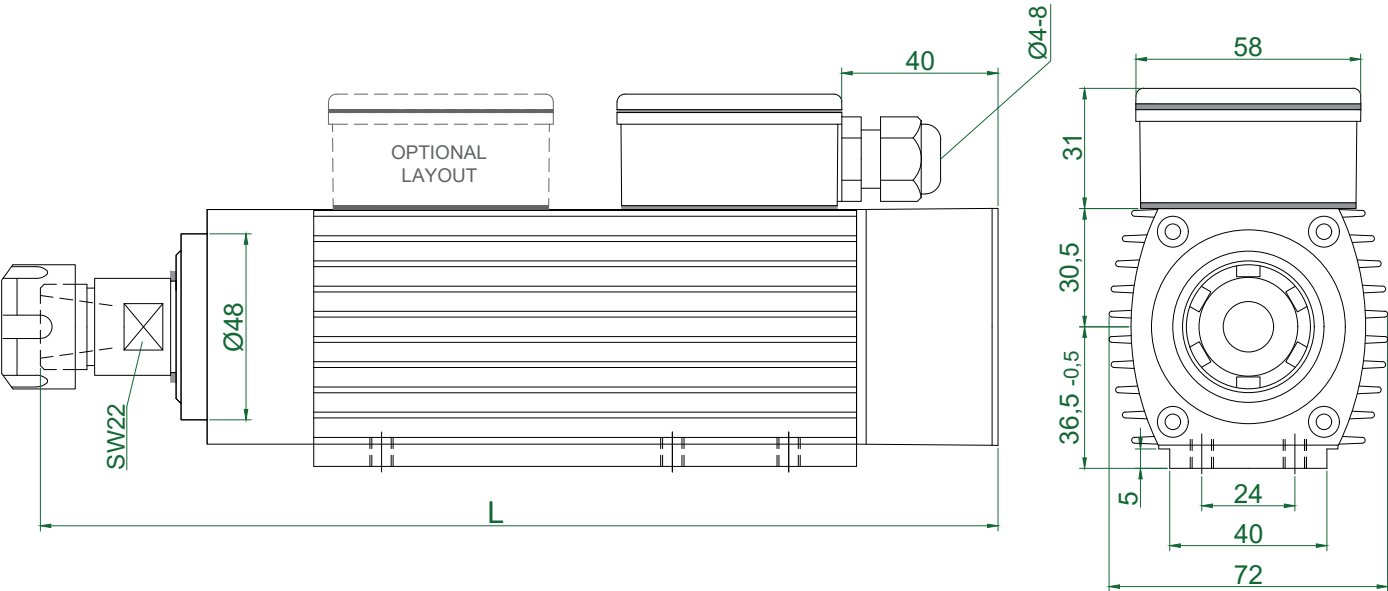
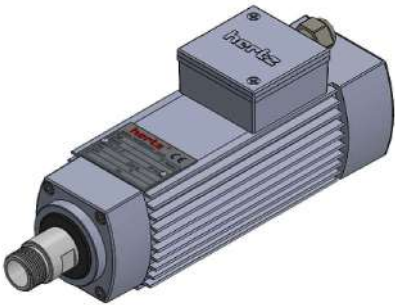
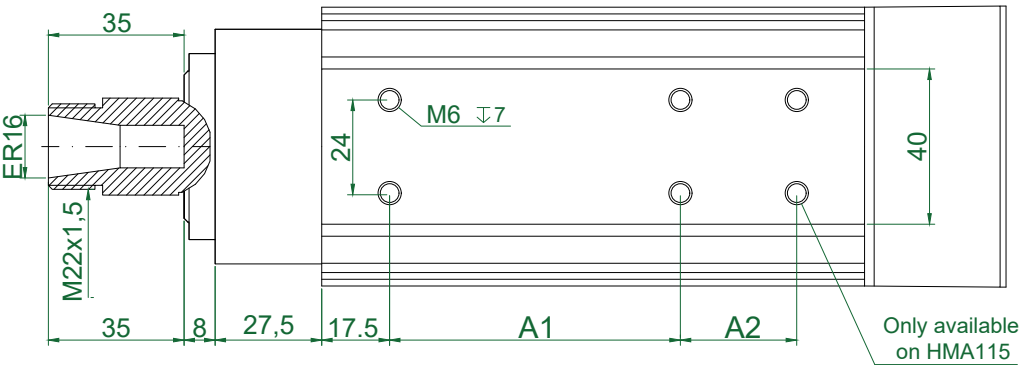


| TYPE                | A1 | A2 | L   | Apr. Weight<br>Kg |
|---------------------|----|----|-----|-------------------|
| HMA 55_ER20S-AK-1R  | 60 | -  | 207 | 2,150             |
| HMA 60_ER20S-AK-1R  | 60 | -  | 212 | 2,200             |
| HMA 70_ER20S-AK-1R  | 75 | -  | 222 | 2,350             |
| HMA 85_ER20S-AK-1R  | 75 | -  | 237 | 2,700             |
| HMA 95_ER20S-AK-1R  | 75 | -  | 247 | 2,850             |
| HMA 115_ER20S-AK-1R | 75 | 30 | 267 | 3,200             |

Plug Connection  
(optional)

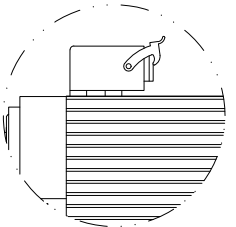


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |
| HMA 55  | 24000      | 0,25  | 250            | 400  |     | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 24000      | 0,27  | 250            | 400  |     | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 24000      | 0,45  | 250            | 400  |     | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 24000      | 0,55  | 250            | 400  |     | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 24000      | 0,75  | 250            | 400  |     | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,10       | 3,00     |

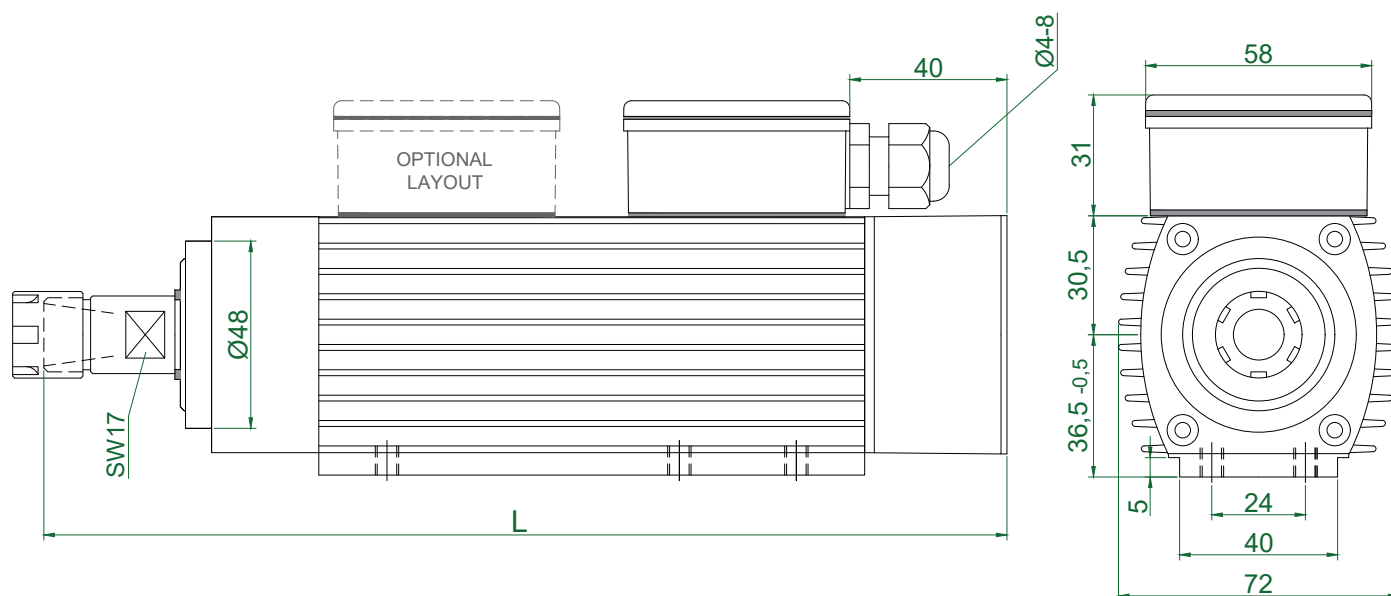
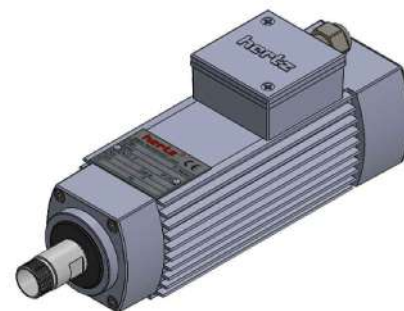
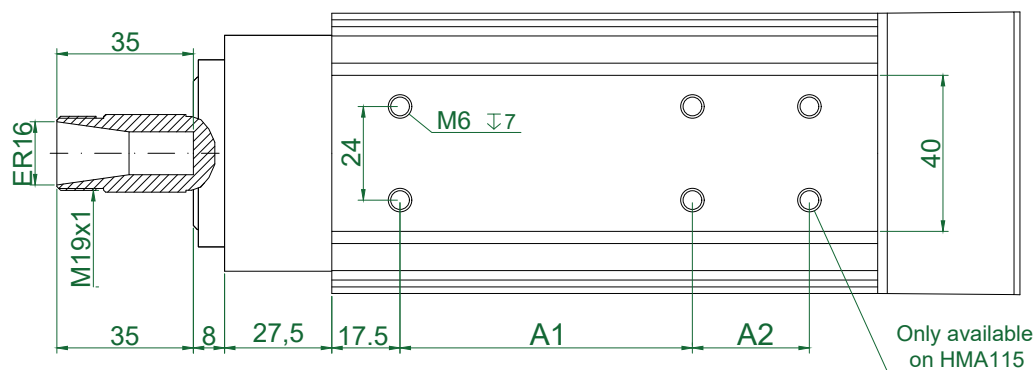


| TYPE                | A1 | A2 | L   | Apr. Weight<br>Kg |
|---------------------|----|----|-----|-------------------|
| HMA 55_ER16S-AK-1R  | 60 | -  | 207 | 2,200             |
| HMA 60_ER16S-AK-1R  | 60 | -  | 212 | 2,250             |
| HMA 70_ER16S-AK-1R  | 75 | -  | 222 | 2,350             |
| HMA 85_ER16S-AK-1R  | 75 | -  | 237 | 2,700             |
| HMA 95_ER16S-AK-1R  | 75 | -  | 247 | 2,850             |
| HMA 115_ER16S-AK-1R | 75 | 30 | 267 | 3,250             |

Plug Connection  
(optional)

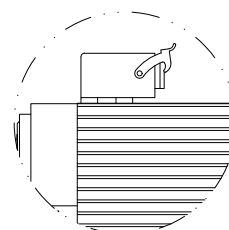


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |
| HMA 55  | 24000      | 0,25  | 250            | 400  |     | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 24000      | 0,27  | 250            | 400  |     | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 24000      | 0,45  | 250            | 400  |     | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 24000      | 0,55  | 250            | 400  |     | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 24000      | 0,75  | 250            | 400  |     | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,10       | 3,00     |



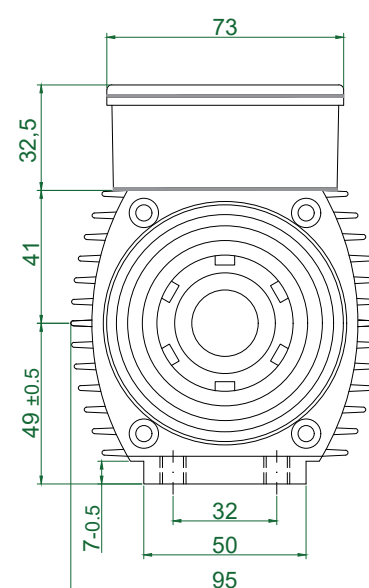
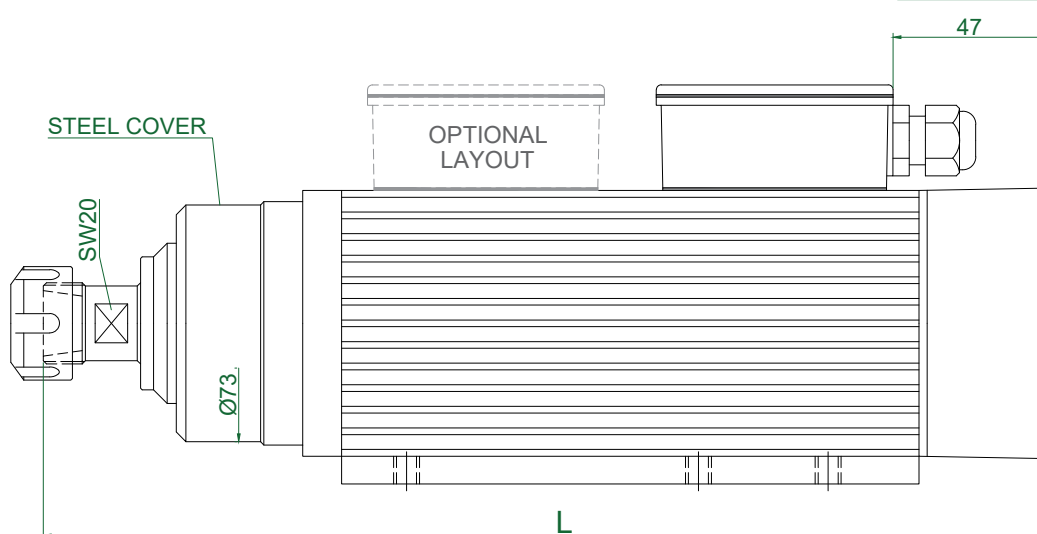
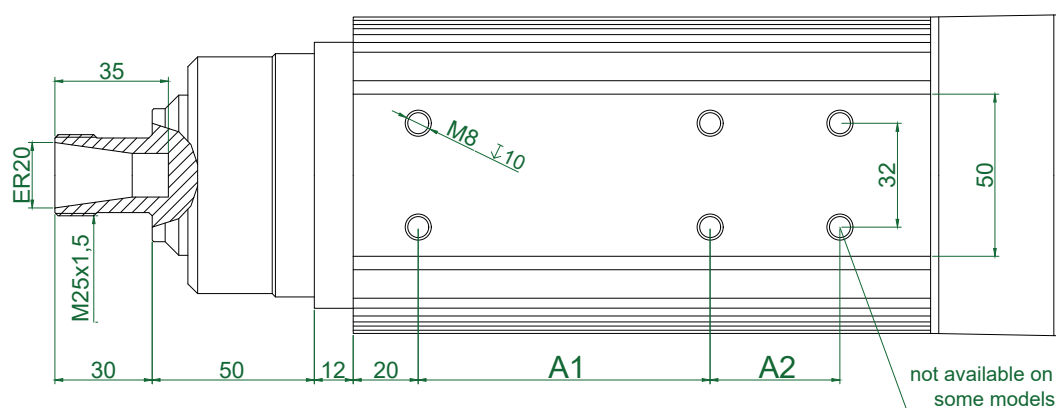
| TYPE                | A1 | A2 | L   | Apr. Weight<br>Kg |
|---------------------|----|----|-----|-------------------|
| HMA 55_ER16M-AK-1R  | 60 | -  | 207 | 2,200             |
| HMA 60_ER16M-AK-1R  | 60 | -  | 212 | 2,250             |
| HMA 70_ER16M-AK-1R  | 75 | -  | 222 | 2,350             |
| HMA 85_ER16M-AK-1R  | 75 | -  | 237 | 2,700             |
| HMA 95_ER16M-AK-1R  | 75 | -  | 247 | 2,900             |
| HMA 115_ER16M-AK-1R | 75 | 30 | 267 | 3,250             |

Plug Connection  
(optional)

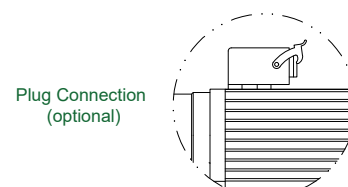




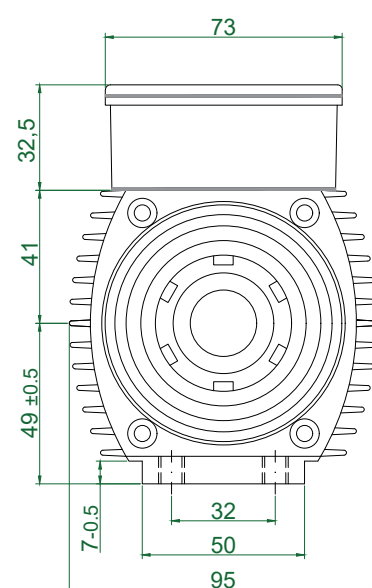
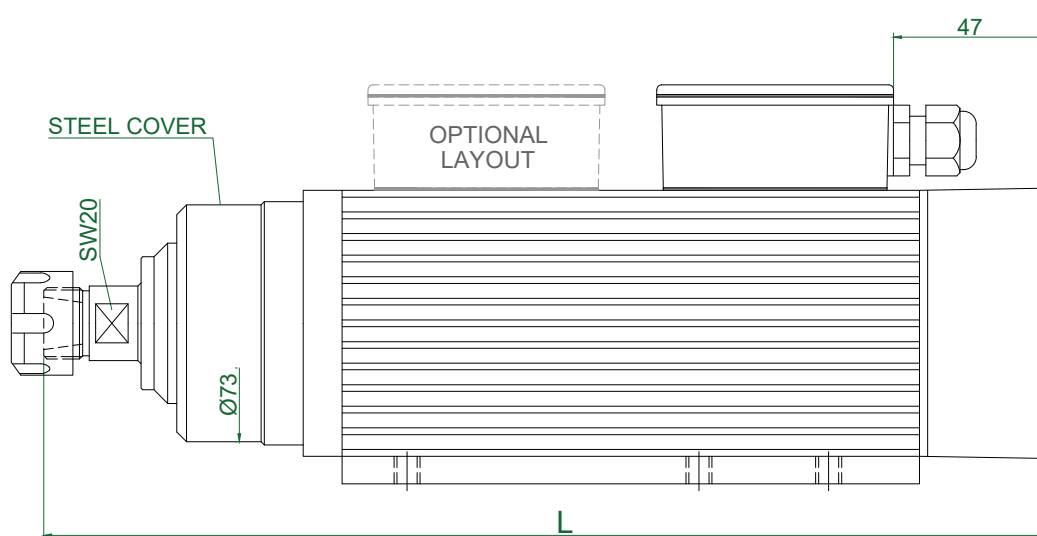
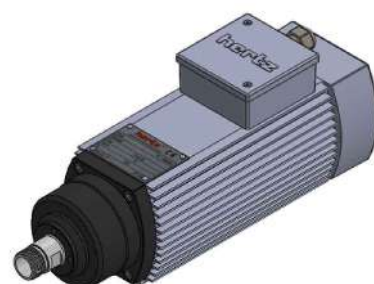
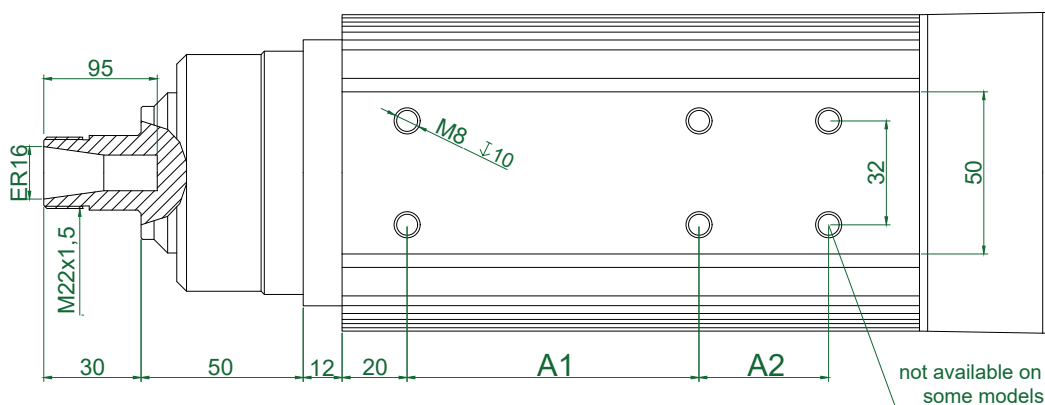
| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |          | Absorbtion |      |
|---------|------------|-------|----------------|------|-----|---------|----------|----------|------------|------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v) | A (380v)   |      |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380  | 2,40       | 1,40 |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380  | 2,60       | 1,50 |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380  | 4,00       | 2,30 |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380  | 4,90       | 2,90 |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380  | 5,70       | 3,30 |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380  | 2,60       | 1,50 |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380  | 4,00       | 2,30 |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380  | 5,70       | 3,30 |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380  | 6,40       | 3,60 |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380  | 10,0       | 5,80 |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380  | 10,4       | 6,00 |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380  | 5,70       | 3,30 |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380  | 6,40       | 3,60 |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380  | 9,00       | 5,20 |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380  | 10,0       | 5,80 |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 12,5       | 7,20 |



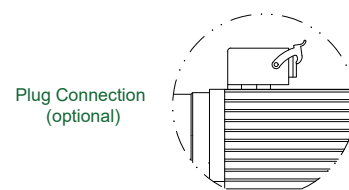
| TYPE               | A1 | A2 | L   | Apr. Weight<br>Kg |
|--------------------|----|----|-----|-------------------|
| HMB90_ER20S-CK-2R  | 90 | -  | 279 | 6,300             |
| HMB100_ER20S-CK-2R | 90 | -  | 289 | 6,600             |
| HMB120_ER20S-CK-2R | 90 | 40 | 309 | 7,300             |
| HMB140_ER20S-CK-2R | 90 | 40 | 329 | 7,950             |
| HMB170_ER20S-CK-2R | 90 | 40 | 359 | 8,950             |



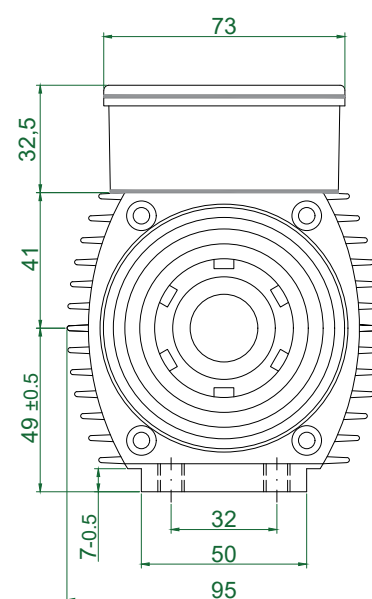
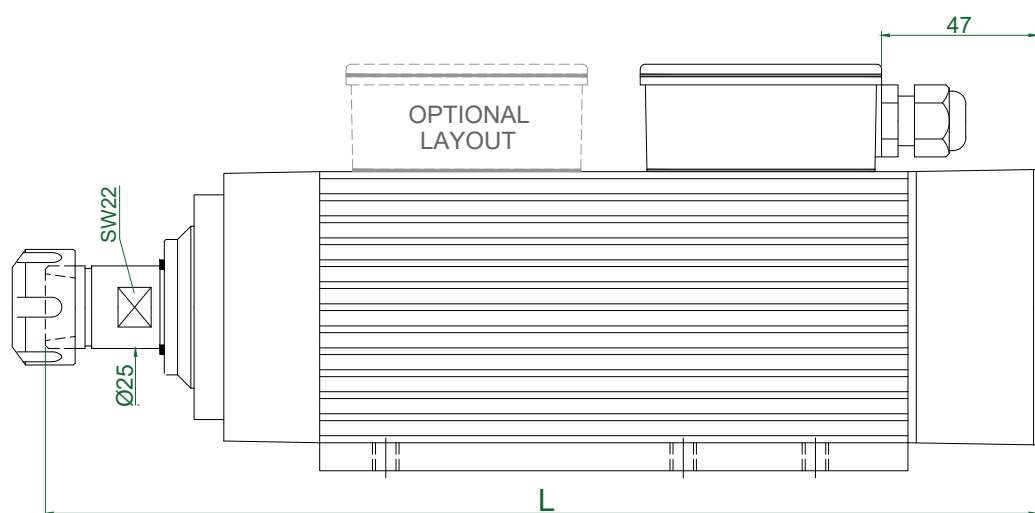
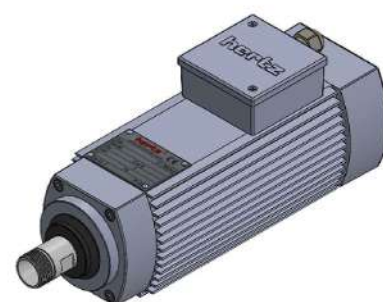
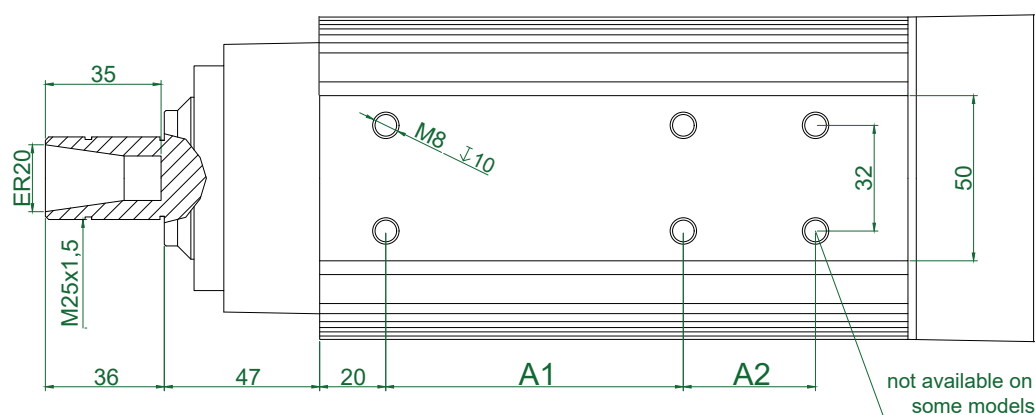
| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |



| TYPE               | A1 | A2 | L   | Apr. Weight<br>Kg |
|--------------------|----|----|-----|-------------------|
| HMB90_ER16S-CK-2R  | 90 | -  | 279 | 6,300             |
| HMB100_ER16S-CK-2R | 90 | -  | 289 | 6,600             |
| HMB120_ER16S-CK-2R | 90 | 40 | 309 | 7,300             |
| HMB140_ER16S-CK-2R | 90 | 40 | 329 | 7,900             |
| HMB170_ER16S-CK-2R | 90 | 40 | 359 | 8,950             |

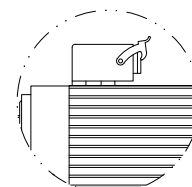


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |

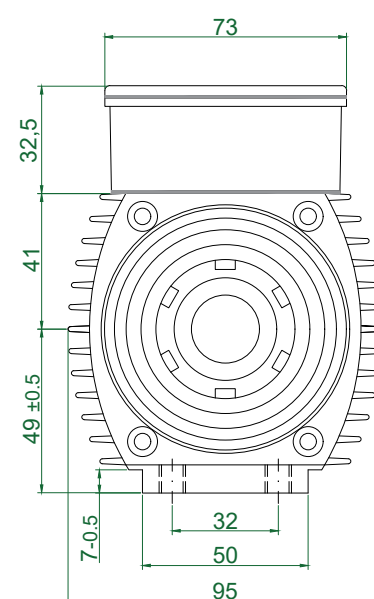
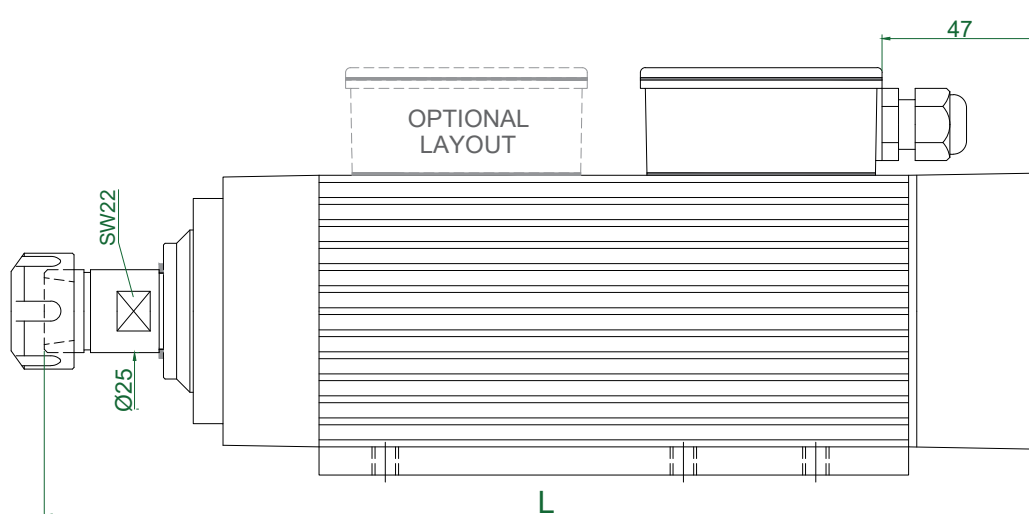
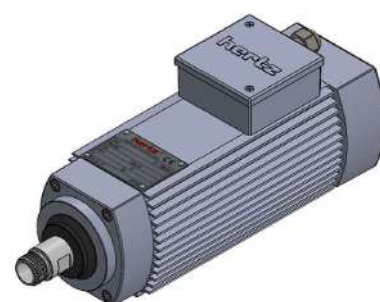
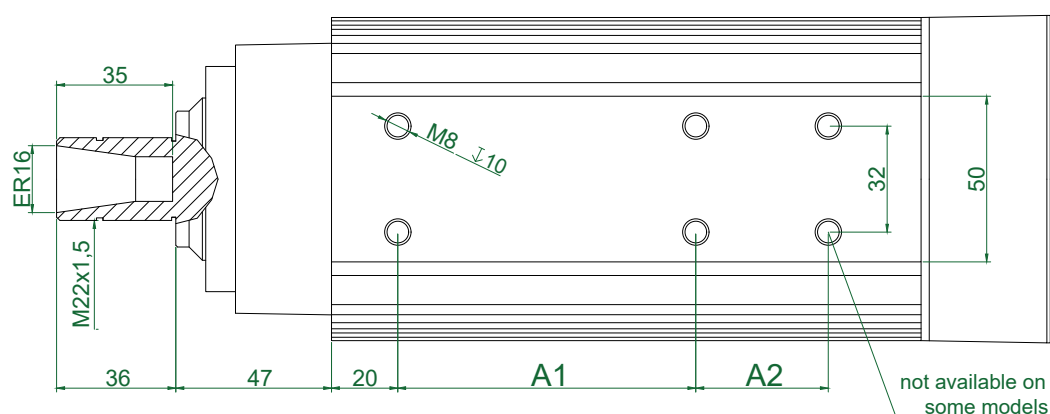


| TYPE               | A1 | A2 | L   | Apr. Weight Kg |
|--------------------|----|----|-----|----------------|
| HMB90_ER20S-AK-2R  | 90 | -  | 270 | 5,400          |
| HMB100_ER20S-AK-2R | 90 | -  | 280 | 5,750          |
| HMB120_ER20S-AK-2R | 90 | 40 | 300 | 6,400          |
| HMB140_ER20S-AK-2R | 90 | 40 | 320 | 7,050          |
| HMB170_ER20S-AK-2R | 90 | 40 | 350 | 8,100          |

Plug Connection (optional)

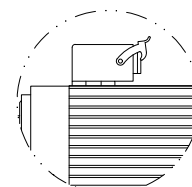


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |

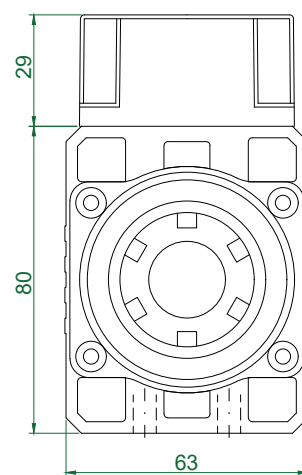
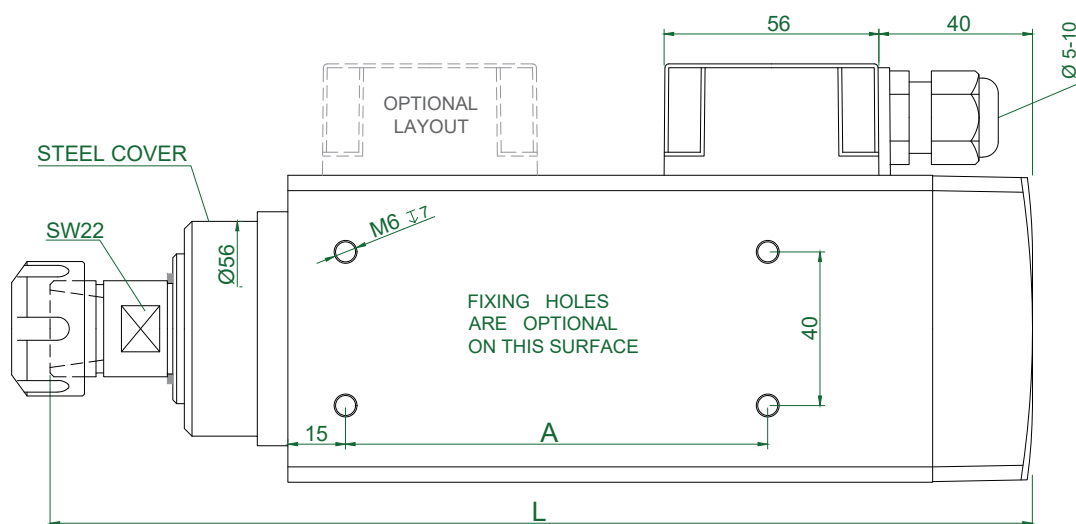
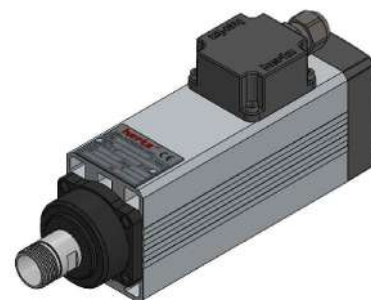
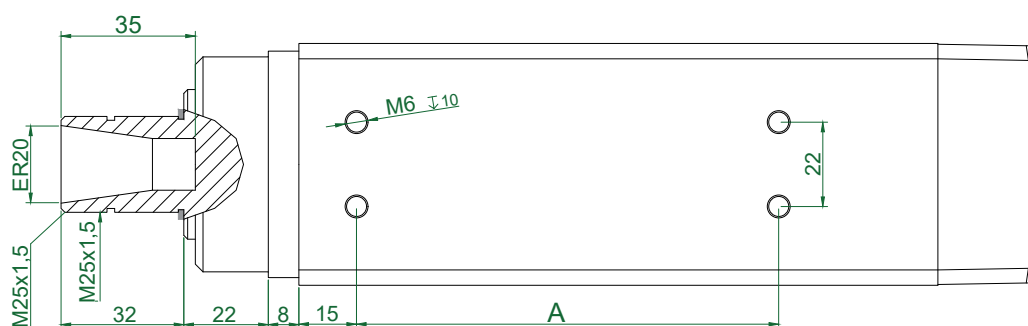


| TYPE               | A1 | A2 | L   | Apr. Weight Kg |
|--------------------|----|----|-----|----------------|
| HMB90_ER16S-AK-2R  | 90 | -  | 270 | 5,400          |
| HMB100_ER16S-AK-2R | 90 | -  | 280 | 5,750          |
| HMB120_ER16S-AK-2R | 90 | 40 | 300 | 6,400          |
| HMB140_ER16S-AK-2R | 90 | 40 | 320 | 7,050          |
| HMB170_ER16S-AK-2R | 90 | 40 | 350 | 8,100          |

Plug Connection (optional)

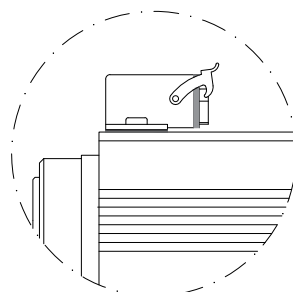


| TYPE      | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|-----------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|           | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM55- 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HM55- 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HM55- 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM55- 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HM55- 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HM55- 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM55- 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HM55- 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HM55- 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |
| HM55- 55  | 24000      | 0,25  | 250            | 400  |     | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HM55- 60  | 24000      | 0,27  | 250            | 400  |     | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 70  | 24000      | 0,45  | 250            | 400  |     | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM55- 85  | 24000      | 0,55  | 250            | 400  |     | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HM55- 95  | 24000      | 0,75  | 250            | 400  |     | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HM55- 115 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,10       | 3,00     |

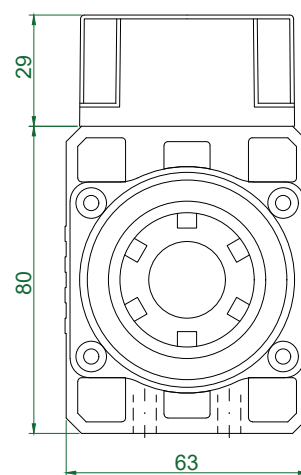
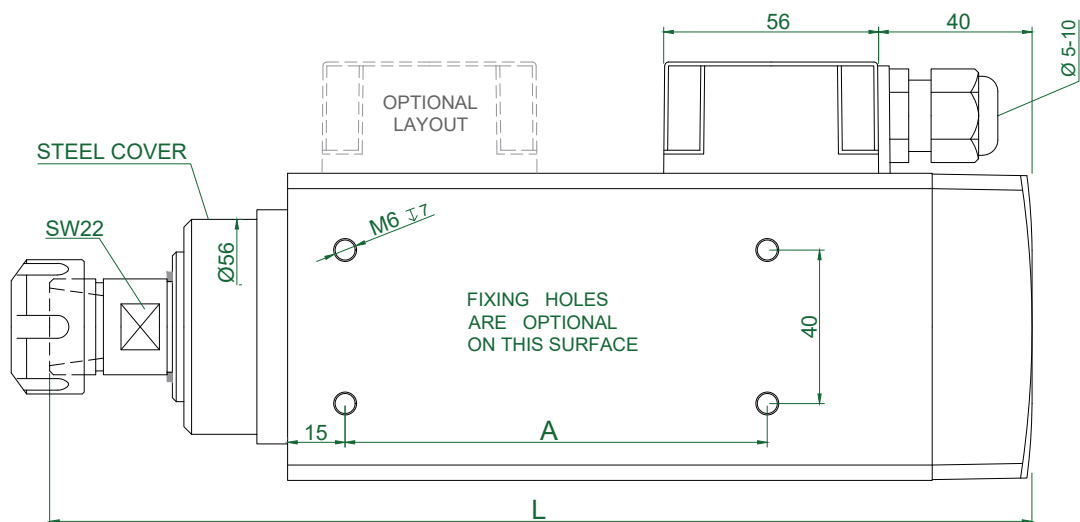
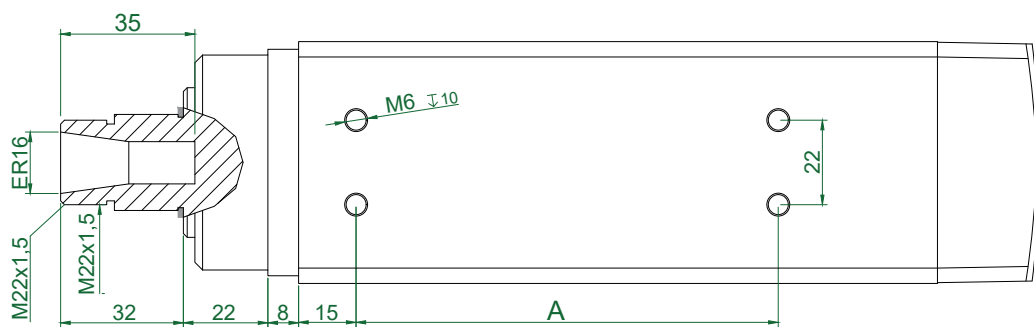


| TYPE                 | A   | L   | Apr. Weight<br>Kg |
|----------------------|-----|-----|-------------------|
| HM55.55_ER20S-CK-2R  | 85  | 216 | 2,850             |
| HM55.60_ER20S-CK-2R  | 85  | 221 | 2,950             |
| HM55.70_ER20S-CK-2R  | 85  | 231 | 3,100             |
| HM55.85_ER20S-CK-2R  | 110 | 246 | 3,350             |
| HM55.95_ER20S-CK-2R  | 110 | 256 | 3,550             |
| HM55.115_ER20S-CK-2R | 110 | 276 | 3,850             |

PLUG CONNECTION  
(OPTIONAL)

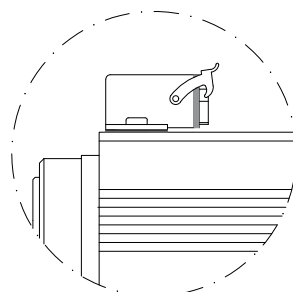


| TYPE      | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|-----------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|           | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM55- 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HM55- 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HM55- 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM55- 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HM55- 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HM55- 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM55- 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HM55- 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HM55- 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |
| HM55- 55  | 24000      | 0,25  | 250            | 400  |     | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HM55- 60  | 24000      | 0,27  | 250            | 400  |     | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 70  | 24000      | 0,45  | 250            | 400  |     | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM55- 85  | 24000      | 0,55  | 250            | 400  |     | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HM55- 95  | 24000      | 0,75  | 250            | 400  |     | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HM55- 115 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,10       | 3,00     |

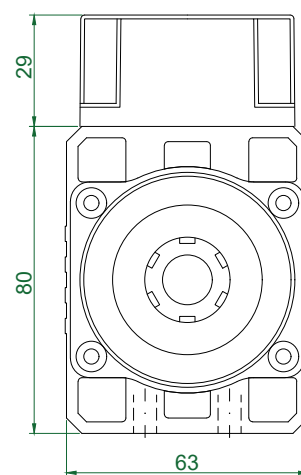
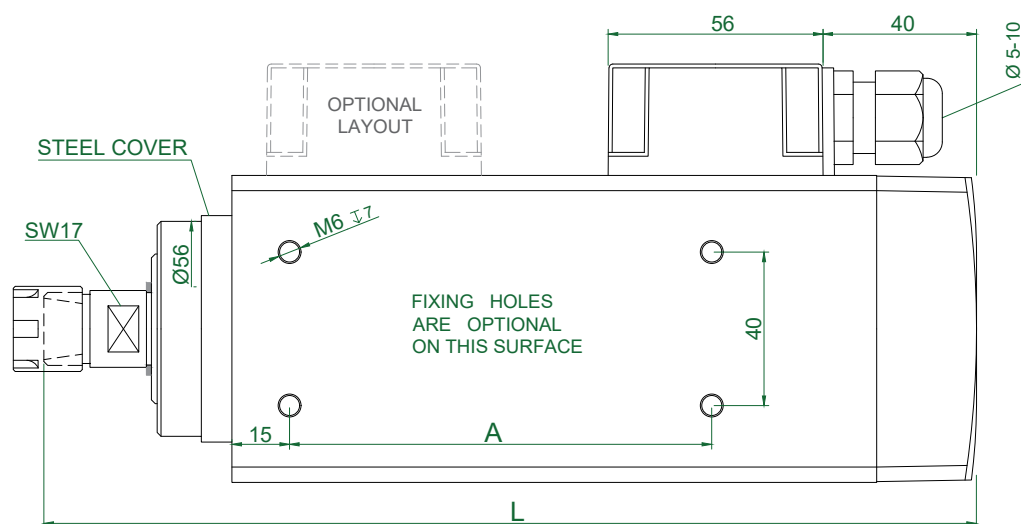
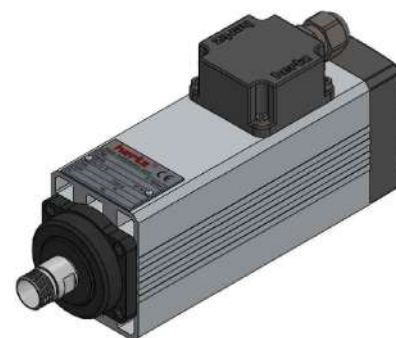
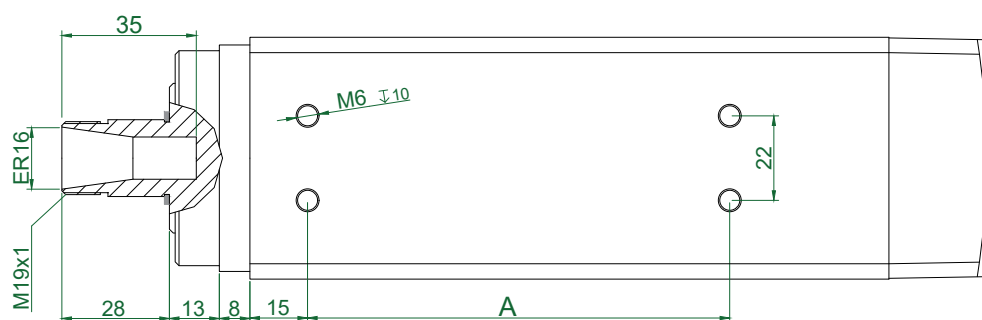


| TYPE                 | A   | L   | Apr. Weight<br>Kg |
|----------------------|-----|-----|-------------------|
| HM55.55_ER16S-CK-2R  | 85  | 216 | 2,900             |
| HM55.60_ER16S-CK-2R  | 85  | 221 | 2,950             |
| HM55.70_ER16S-CK-2R  | 85  | 231 | 3,150             |
| HM55.85_ER16S-CK-2R  | 110 | 246 | 3,400             |
| HM55.95_ER16S-CK-2R  | 110 | 256 | 3,550             |
| HM55.115_ER16S-CK-2R | 110 | 276 | 3,900             |

PLUG CONNECTION  
(OPTIONAL)

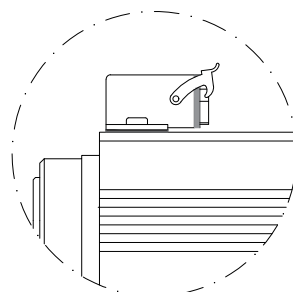


| TYPE      | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|-----------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|           | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM55- 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HM55- 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HM55- 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM55- 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HM55- 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HM55- 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM55- 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HM55- 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HM55- 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |
| HM55- 55  | 24000      | 0,25  | 250            | 400  |     | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HM55- 60  | 24000      | 0,27  | 250            | 400  |     | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 70  | 24000      | 0,45  | 250            | 400  |     | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM55- 85  | 24000      | 0,55  | 250            | 400  |     | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HM55- 95  | 24000      | 0,75  | 250            | 400  |     | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HM55- 115 | 24000      | 1,10  | 250            | 400  |     | 220     | 380      | 220/380 | 5,10       | 3,00     |

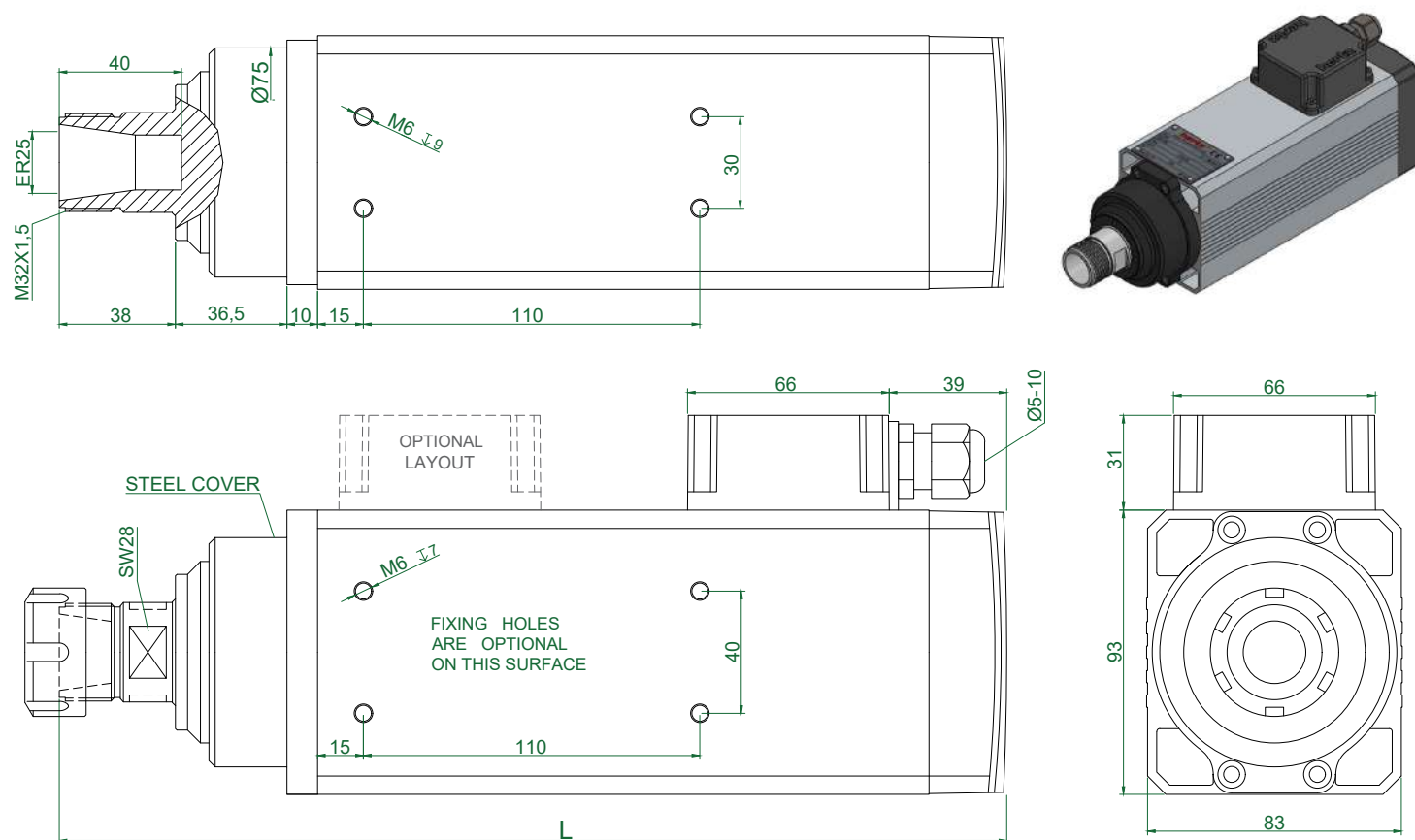


| TYPE                 | A   | L   | Apr. Weight Kg |
|----------------------|-----|-----|----------------|
| HM55.55_ER16M-CK-1R  | 85  | 203 | 2,550          |
| HM55.60_ER16M-CK-1R  | 85  | 208 | 2,600          |
| HM55.70_ER16M-CK-1R  | 85  | 218 | 2,750          |
| HM55.85_ER16M-CK-1R  | 110 | 233 | 3,000          |
| HM55.95_ER16M-CK-1R  | 110 | 243 | 3,150          |
| HM55.115_ER16M-CK-1R | 110 | 263 | 3,500          |

PLUG CONNECTION (OPTIONAL)

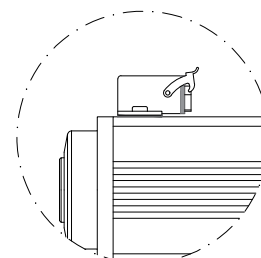


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM73-17 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM73-10 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-12 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-14 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HM73-17 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HM73-09 | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-10 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-12 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HM73-14 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |

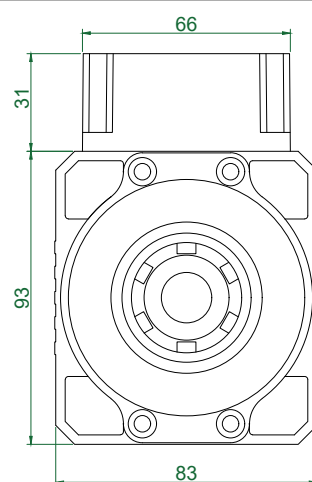
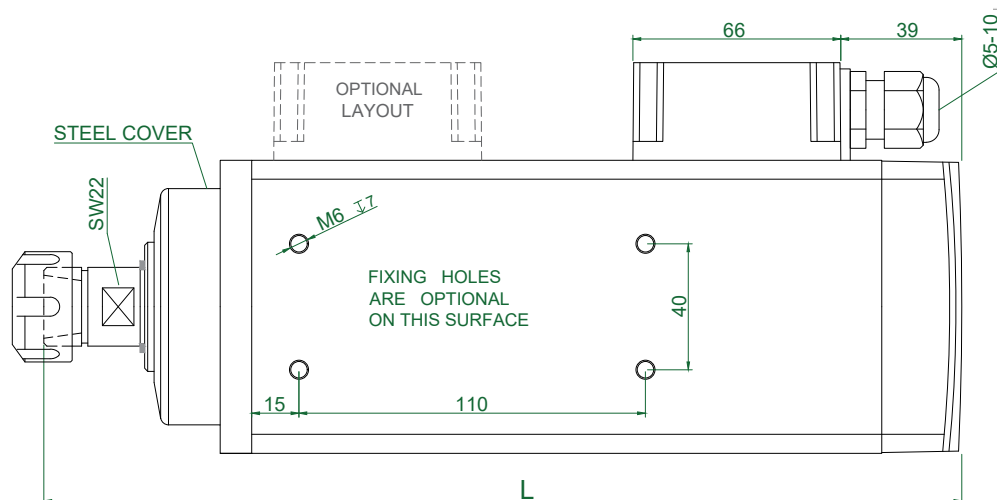
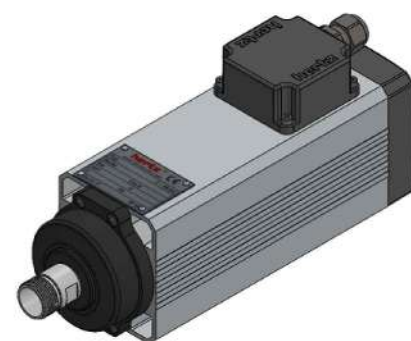
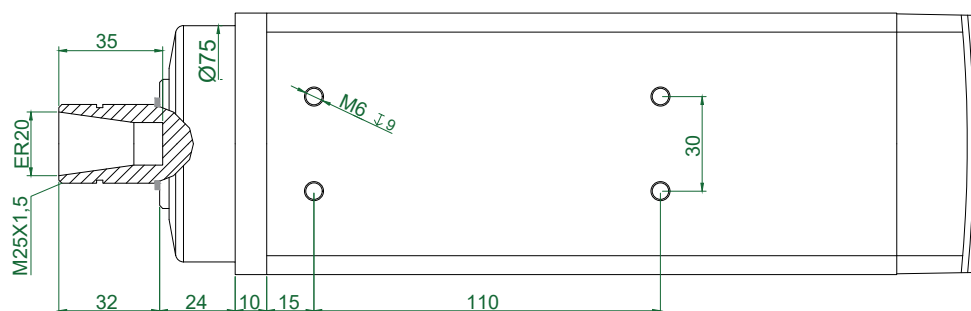


| TYPE                | L   | Apr. Weight Kg |
|---------------------|-----|----------------|
| HM73.09_ER25S-CK-2R | 280 | 6,400          |
| HM73.10_ER25S-CK-2R | 290 | 6,730          |
| HM73.12_ER25S-CK-2R | 310 | 7,380          |
| HM73.14_ER25S-CK-2R | 330 | 7,900          |
| HM73.17_ER25S-CK-2R | 360 | 8,900          |

PLUG CONNECTION  
(OPTIONAL)

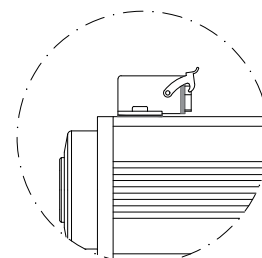


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM73-17 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM73-10 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-12 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-14 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HM73-17 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HM73-09 | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-10 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-12 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HM73-14 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |

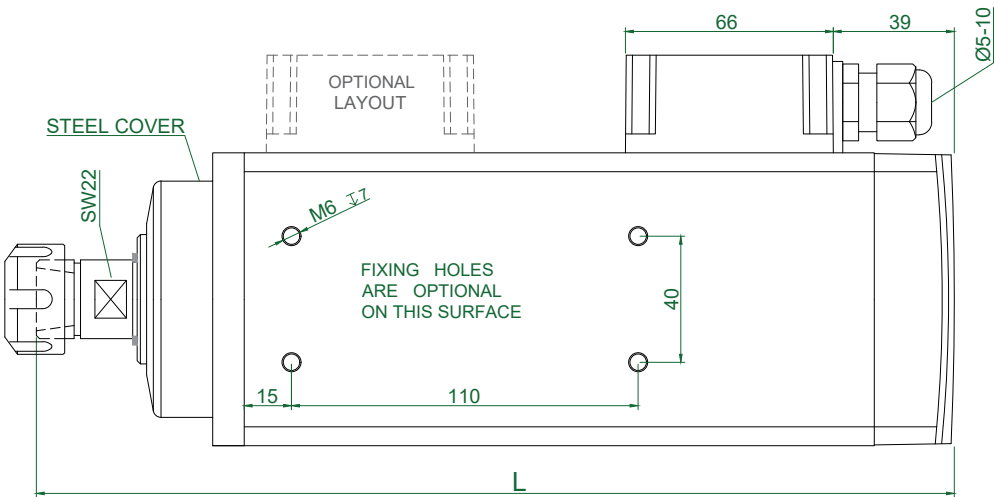
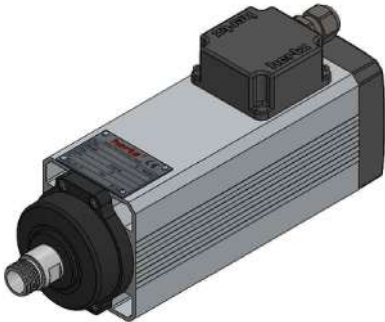
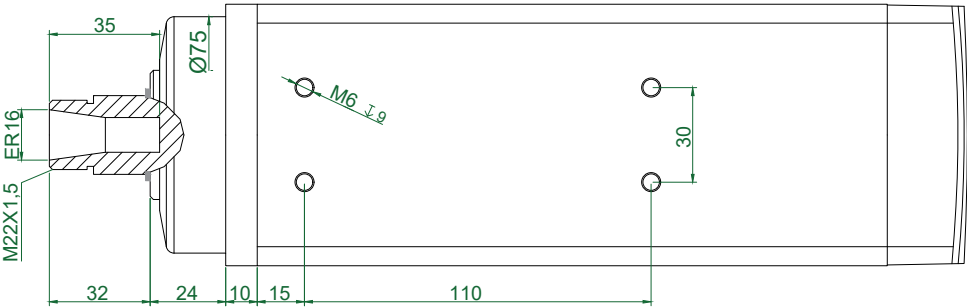


| TYPE                | L   | Apr. Weight Kg |
|---------------------|-----|----------------|
| HM73.09_ER20S-CK-2R | 262 | 5,700          |
| HM73.10_ER20S-CK-2R | 272 | 6,000          |
| HM73.12_ER20S-CK-2R | 292 | 6,650          |
| HM73.14_ER20S-CK-2R | 312 | 7,200          |
| HM73.17_ER20S-CK-2R | 342 | 8,200          |

PLUG CONNECTION  
(OPTIONAL)

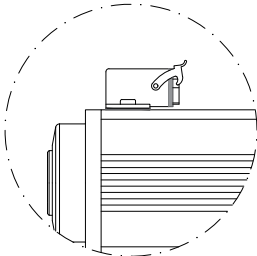


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM73-17 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM73-10 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-12 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-14 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HM73-17 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HM73-09 | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-10 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-12 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HM73-14 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |

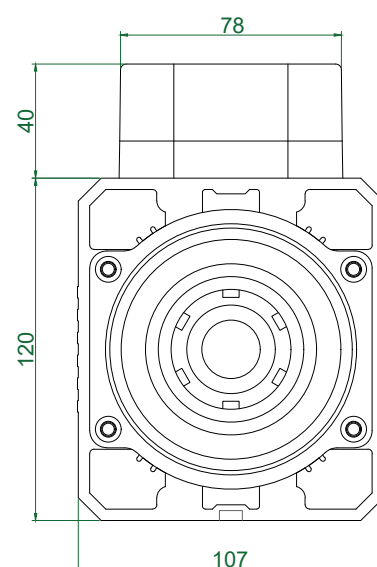
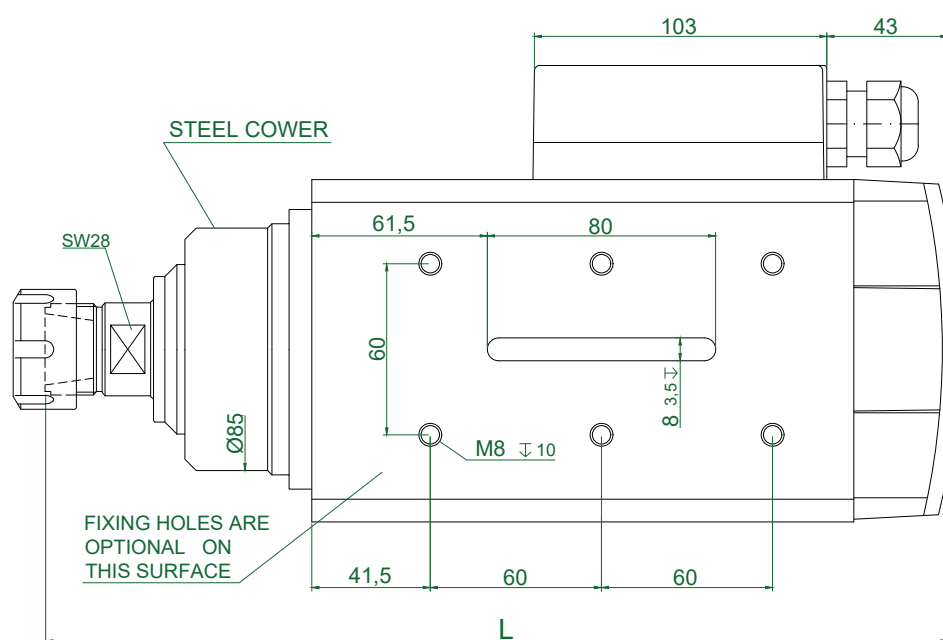
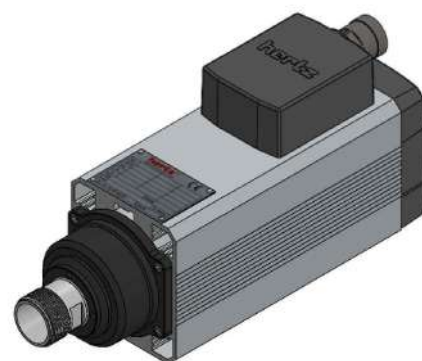
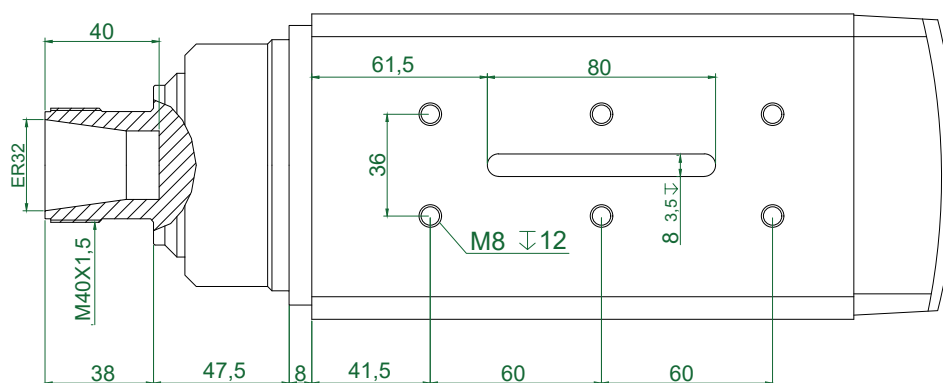


| TYPE                | L   | Apr. Weight Kg |
|---------------------|-----|----------------|
| HM73.09_ER16S-CK-2R | 262 | 5,700          |
| HM73.10_ER16S-CK-2R | 272 | 6,000          |
| HM73.12_ER16S-CK-2R | 292 | 6,650          |
| HM73.14_ER16S-CK-2R | 312 | 7,200          |
| HM73.17_ER16S-CK-2R | 342 | 8,200          |

PLUG CONNECTION (OPTIONAL)

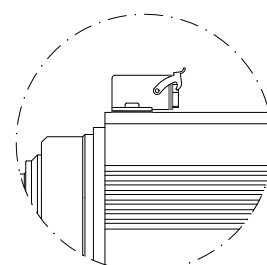


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM90-10 | 3000       | 1,00  | 40             | 50   | 75  | 380     | 220      | 220/380 | 4,90       | 2,90     |
| HM90-14 | 3000       | 1,35  | 40             | 50   | 75  | 380     | 220      | 220/380 | 5,90       | 3,30     |
| HM90-17 | 3000       | 1,50  | 40             | 50   | 75  | 380     | 220      | 220/380 | 6,50       | 3,80     |
| HM90-10 | 6000       | 2,20  | 70             | 100  | 180 | 220     | 380      | 220/380 | 9,50       | 5,50     |
| HM90-14 | 6000       | 3,50  | 70             | 100  | 180 | 380     | 220      | 220/380 | 13,0       | 7,50     |
| HM90-17 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM90-10 | 12000      | 3,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 13,00      | 7,50     |
| HM90-14 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380 | 16,40      | 9,50     |
| HM90-14 | 12000      | 4,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 18,0       | 9,90     |
| HM90-17 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 19,8       | 11,4     |
| HM90-10 | 18000      | 4,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM90-10 | 18000      | 4,50  | 170            | 300  | 340 | 380     | 220      | 220/380 | 18,0       | 9,90     |
| HM90-14 | 18000      | 5,50  | 170            | 300  | 340 | 380     | 220      | 220/380 | 19,8       | 11,4     |
| HM90-14 | 18000      | 6,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 21,0       | 12,4     |
| HM90-17 | 18000      | 7,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 25,0       | 14,5     |

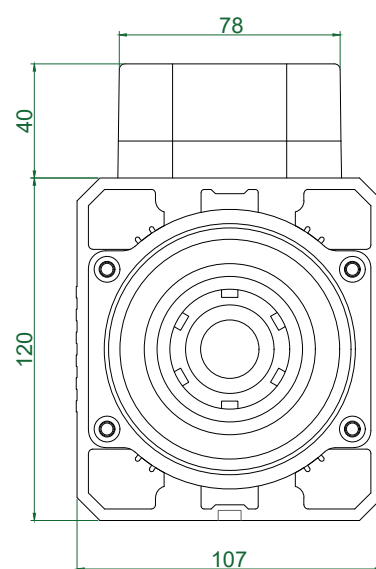
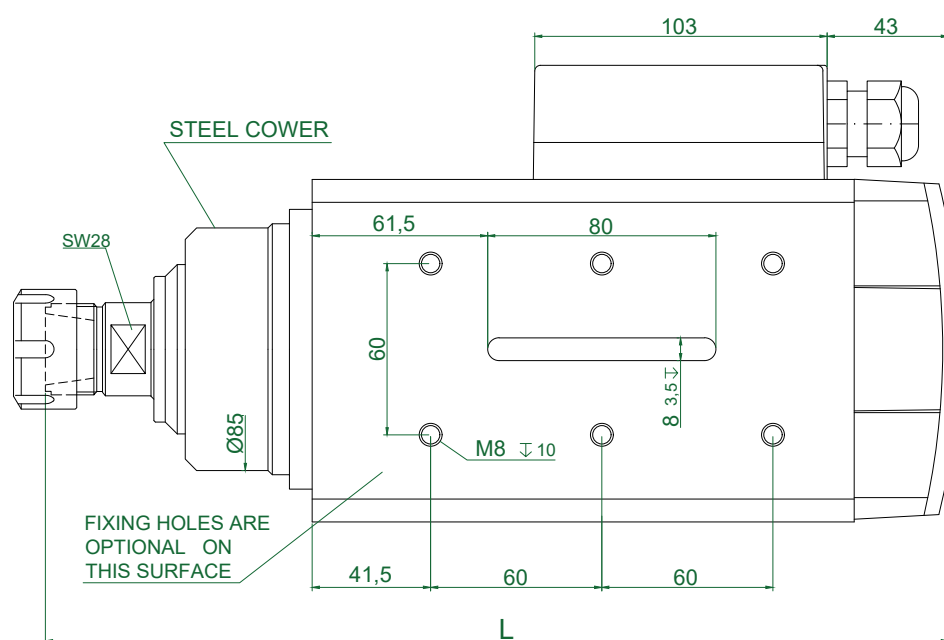
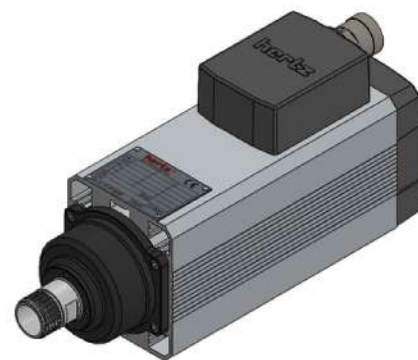
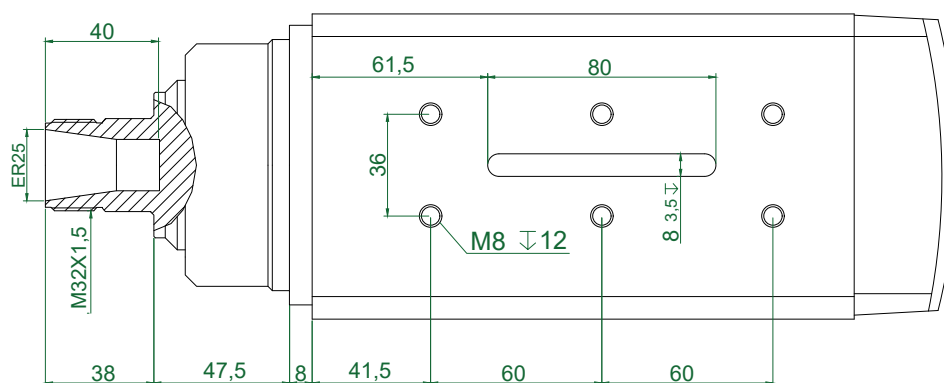


| TYPE                | L   | Apr. Weight Kg |
|---------------------|-----|----------------|
| HM90.10_ER32S-CK-2R | 317 | 11,400         |
| HM90.14_ER32S-CK-2R | 357 | 13,500         |
| HM90.17_ER32S-CK-2R | 387 | 15,000         |

PLUG CONNECTION (optional)

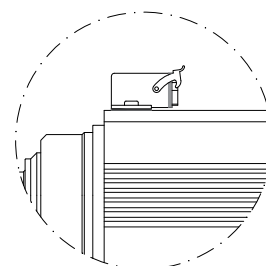


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|-----------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)  | A (380v) |
| HM90-10 | 3000       | 1,00  | 40             | 50   | 75  | 380     | 220      | 220/380 | 4,90      | 2,90     |
| HM90-14 | 3000       | 1,35  | 40             | 50   | 75  | 380     | 220      | 220/380 | 5,90      | 3,30     |
| HM90-17 | 3000       | 1,50  | 40             | 50   | 75  | 380     | 220      | 220/380 | 6,50      | 3,80     |
| HM90-10 | 6000       | 2,20  | 70             | 100  | 180 | 220     | 380      | 220/380 | 9,50      | 5,50     |
| HM90-14 | 6000       | 3,50  | 70             | 100  | 180 | 380     | 220      | 220/380 | 13,0      | 7,50     |
| HM90-17 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380 | 16,4      | 9,50     |
| HM90-10 | 12000      | 3,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 13,00     | 7,50     |
| HM90-14 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380 | 16,40     | 9,50     |
| HM90-14 | 12000      | 4,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 18,0      | 9,90     |
| HM90-17 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 19,8      | 11,4     |
| HM90-10 | 18000      | 4,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 16,4      | 9,50     |
| HM90-10 | 18000      | 4,50  | 170            | 300  | 340 | 380     | 220      | 220/380 | 18,0      | 9,90     |
| HM90-14 | 18000      | 5,50  | 170            | 300  | 340 | 380     | 220      | 220/380 | 19,8      | 11,4     |
| HM90-14 | 18000      | 6,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 21,0      | 12,4     |
| HM90-17 | 18000      | 7,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 25,0      | 14,5     |

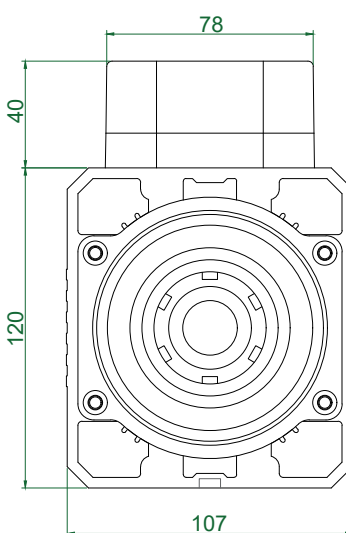
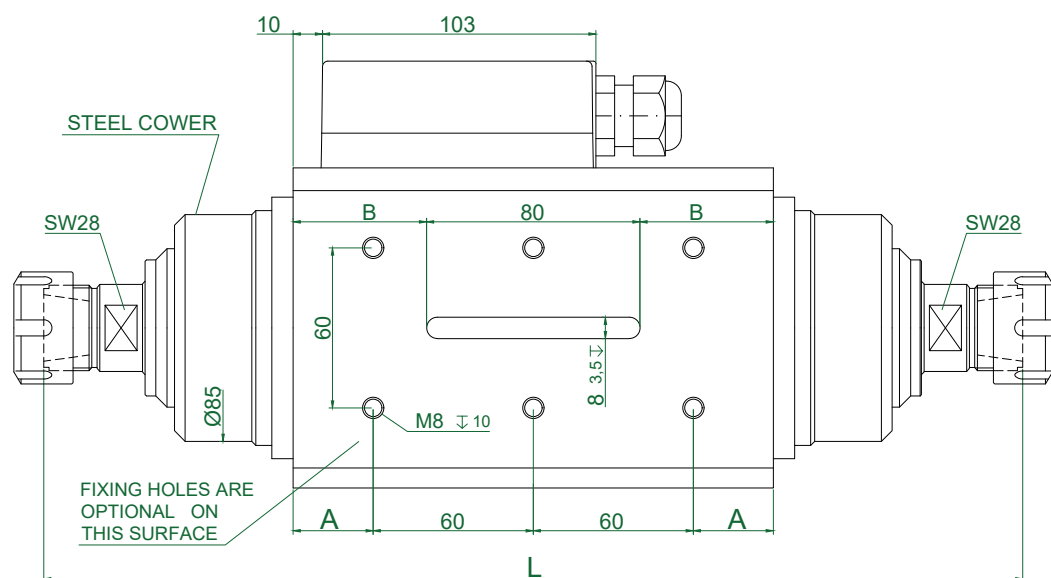
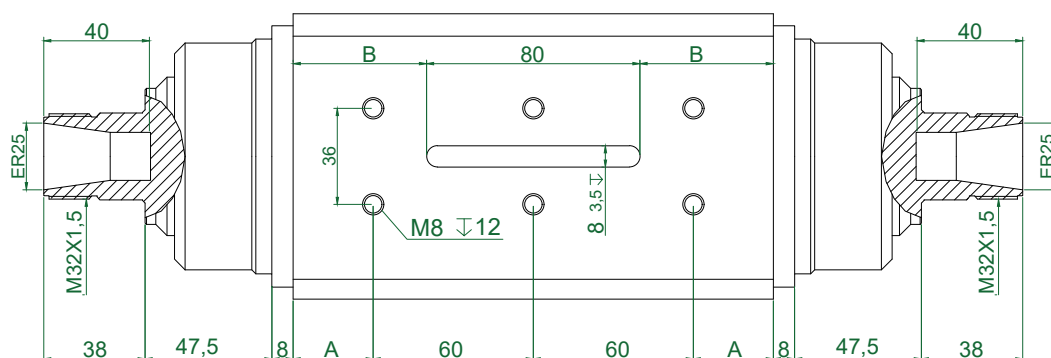


| TYPE                | L   | Apr. Weight<br>Kg |
|---------------------|-----|-------------------|
| HM90.10_ER25S-CK-2R | 317 | 11,150            |
| HM90.14_ER25S-CK-2R | 357 | 13,300            |
| HM90.17_ER25S-CK-2R | 387 | 14,800            |

PLUG CONNECTION  
(optional)



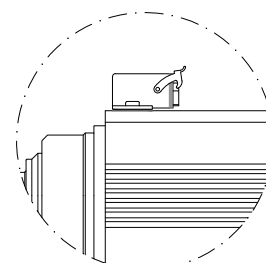
| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|-----------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)  | A (380v) |
| HM90-10 | 3000       | 1,00  | 40             | 50   | 75  | 380     | 220      | 220/380 | 4,90      | 2,90     |
| HM90-14 | 3000       | 1,35  | 40             | 50   | 75  | 380     | 220      | 220/380 | 5,90      | 3,30     |
| HM90-17 | 3000       | 1,50  | 40             | 50   | 75  | 380     | 220      | 220/380 | 6,50      | 3,80     |
| HM90-10 | 6000       | 2,20  | 70             | 100  | 180 | 220     | 380      | 220/380 | 9,50      | 5,50     |
| HM90-14 | 6000       | 3,50  | 70             | 100  | 180 | 380     | 220      | 220/380 | 13,0      | 7,50     |
| HM90-17 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380 | 16,4      | 9,50     |
| HM90-10 | 12000      | 3,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 13,00     | 7,50     |
| HM90-14 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380 | 16,40     | 9,50     |
| HM90-14 | 12000      | 4,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 18,0      | 9,90     |
| HM90-17 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 19,8      | 11,4     |
| HM90-10 | 18000      | 4,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 16,4      | 9,50     |
| HM90-10 | 18000      | 4,50  | 170            | 300  | 340 | 380     | 220      | 220/380 | 18,0      | 9,90     |
| HM90-14 | 18000      | 5,50  | 170            | 300  | 340 | 380     | 220      | 220/380 | 19,8      | 11,4     |
| HM90-14 | 18000      | 6,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 21,0      | 12,4     |
| HM90-17 | 18000      | 7,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 25,0      | 14,5     |



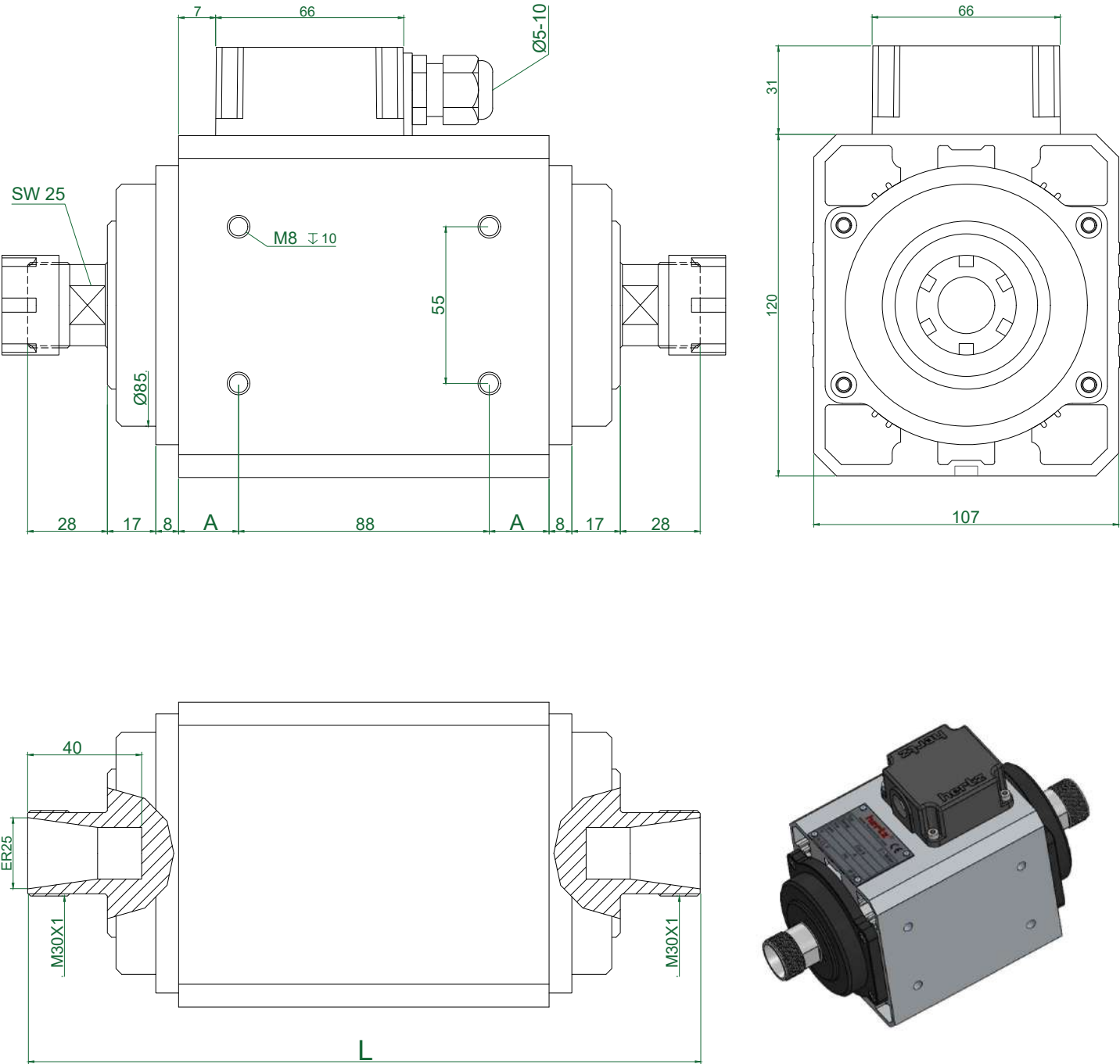
NO COOLING / S2 - Max. 30 min.

| TYPE                   | A  | B  | L   | Apr. Weight Kg |
|------------------------|----|----|-----|----------------|
| HM90.10_ER25S-CK-2R-DS | 30 | 50 | 367 | 12,350         |
| HM90.14_ER25S-CK-2R-DS | 50 | 70 | 407 | 14,500         |
| HM90.17_ER25S-CK-2R-DS | 65 | 85 | 437 | 16,000         |

PLUG CONNECTION (optional)



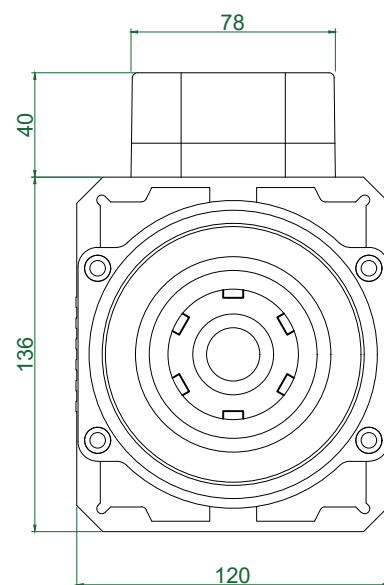
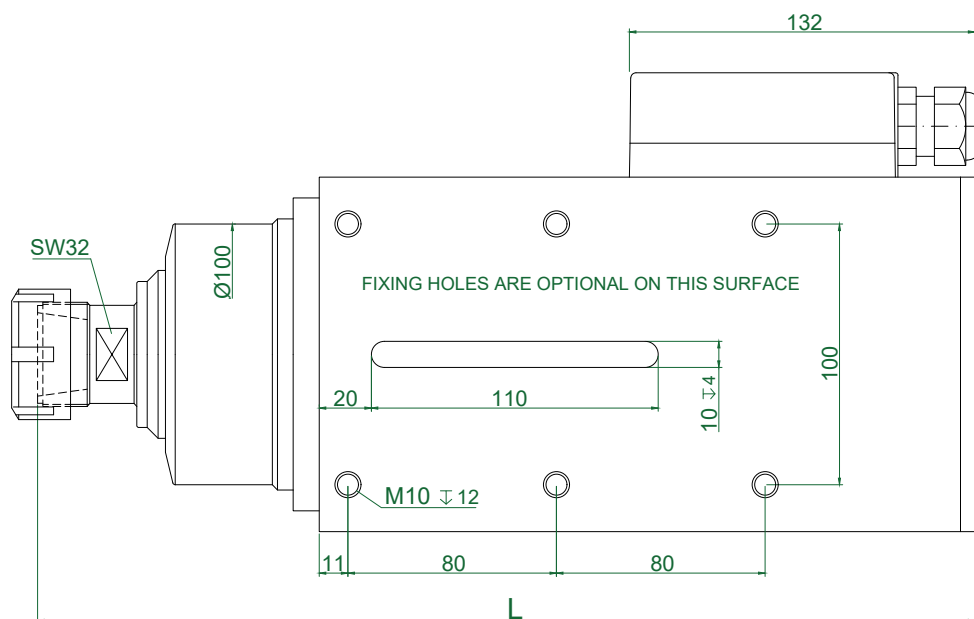
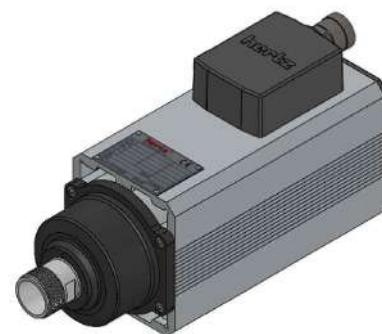
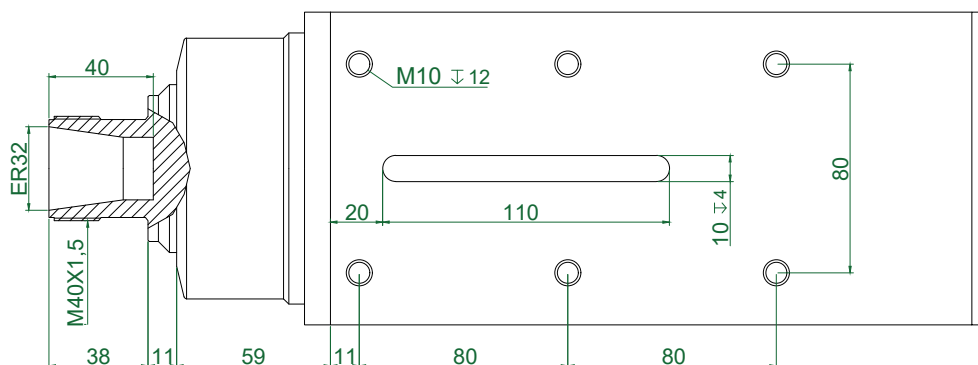
| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM90-10 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,50       | 5,50     |



NO COOLING / S2 - Max. 30 min.

| TYPE                   | A  | B | L   | Apr. Weight<br>Kg |
|------------------------|----|---|-----|-------------------|
| HM90.06_ER25M-CK-1R-DS | 21 |   | 236 | 11,000            |

| TYPE     | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |          | Absorbtion |       |
|----------|------------|-------|----------------|------|-----|---------|----------|----------|------------|-------|
|          | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v) | A (380v)   |       |
| HM110-10 | 3000       | 2,20  | 40             | 50   | 75  | 220     | 380      | 220/380  | 9,50       | 5,50  |
| HM110-12 | 3000       | 3,00  | 40             | 50   | 75  | 380     | 220      | 220/380  | 12,5       | 7,20  |
| HM110-10 | 6000       | 3,00  | 140            | 200  | 360 | 380     | 220      | 220/380  | 12,5       | 7,20  |
| HM110-10 | 6000       | 3,00  | 70             | 100  | 180 | 380     | 220      | 220/380  | 12,5       | 7,20  |
| HM110-10 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380  | 16,4       | 9,50  |
| HM110-10 | 6000       | 4,00  | 70             | 100  | 180 | 380     | 220      | 220/380  | 16,4       | 9,50  |
| HM110-12 | 6000       | 5,50  | 140            | 200  | 360 | 380     | 220      | 220/380  | 19,8       | 11,40 |
| HM110-12 | 6000       | 5,50  | 70             | 100  | 180 | 380     | 220      | 220/380  | 19,8       | 11,40 |
| HM110-10 | 12000      | 4,00  | 300            | 400  | 600 | 380     | 220      | 220/380  | 16,4       | 9,50  |
| HM110-10 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380  | 16,4       | 9,50  |
| HM110-10 | 12000      | 5,50  | 300            | 400  | 600 | 380     | 220      | 220/380  | 19,8       | 11,40 |
| HM110-10 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 19,8       | 11,40 |
| HM110-12 | 12000      | 7,50  | 300            | 400  | 600 | 380     | 220      | 220/380  | 28,7       | 16,6  |
| HM110-12 | 12000      | 7,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 28,7       | 16,6  |
| HM110-10 | 18000      | 7,50  | 340            | 600  | 680 | 380     | 220      | 220/380  | 28,7       | 16,6  |
| HM110-10 | 18000      | 7,50  | 170            | 300  | 340 | 380     | 220      | 220/380  | 28,7       | 16,6  |
| HM110-12 | 18000      | 9,00  | 340            | 600  | 680 | 380     | 220      | 220/380  | 34,5       | 20,0  |
| HM110-12 | 18000      | 9,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 34,5       | 20,0  |



| TYPE                 | L   | Apr. Weight<br>Kg |
|----------------------|-----|-------------------|
| HM110.10_ER32S-CK-2R | 340 | 16,600            |
| HM110.12_ER32S-CK-2R | 360 | 18,000            |

## CONTENTS - İÇERİK

### HMA

HMA.XX\_L3.13FK-CK-1R  
HMA.XX\_L16.18F-CK-2R  
HMA.XX\_L20.18F-CK-1R  
HMA.XX\_L40FK-CK-1R  
HMA.XX\_L40FK-CK-2R  
HMA.XX\_L41.9MK-CK-1R  
HMA.XX\_L3.13FK-AK-1R  
HMA.XX\_L20.18F-AK-1R  
HMA.XX\_L40FK-AK-1R  
HMA.XX\_L41.9MK-AK-1R

### HMB

HMB.XX\_L3.20FK-CK-2R  
HMB.XX\_L3.40FK-CK-2R  
HMB.XX\_L3.41.9MK-CK-2R  
HMB.XX\_L17.23M-CK-2R  
HMB.XX\_L20.18F-CK-2R  
HMB.XX\_L3.20FK-AK-2R (1R)  
HMB.XX\_L3.40FK-AK-2R (1R)  
HMB.XX\_L3.41.9MK-AK-2R (1R)  
HMB.XX\_L20.18F-AK-2R (1R)  
HMB.XX\_L36.25F-AK-2R (1R)

### HM55

HM55.XX\_L3.40FK-CK-2R  
HM55.XX\_L20.18F-CK-1R  
HM55.XX\_L20FK-CK-1R  
HM55.XX\_L40FK-CK-1R  
HM55.XX\_L41.9.11MK-CK-1R

### HM73

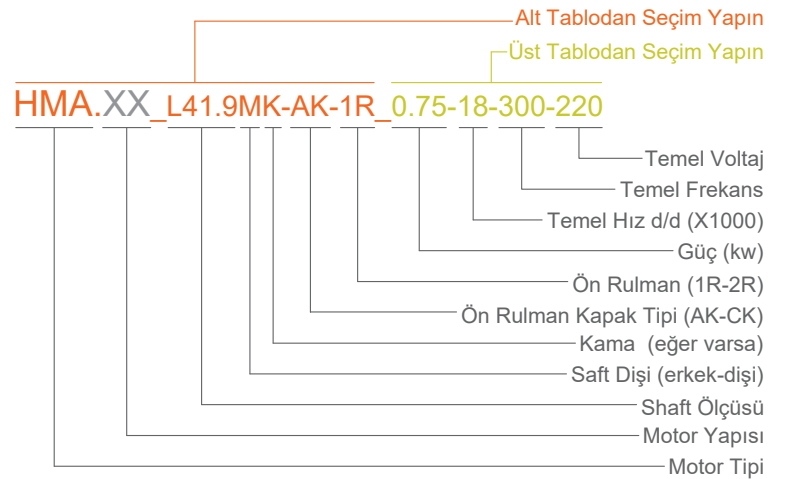
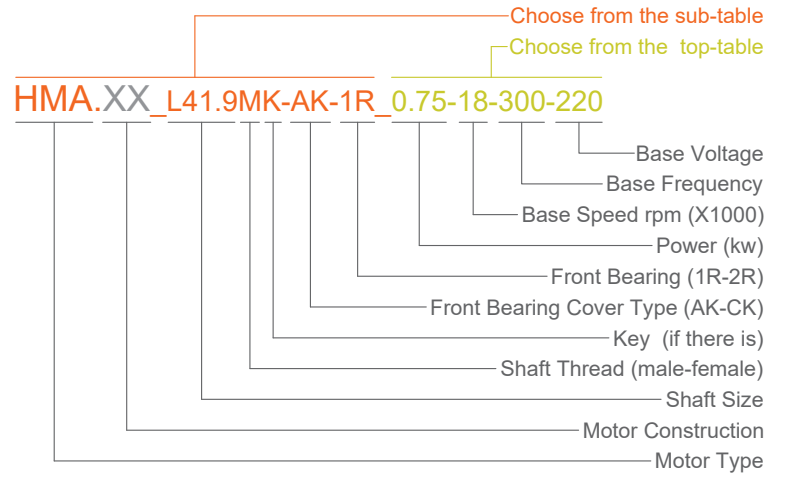
HM73.XX\_L3.40FK-CK-2R  
HM73.XX\_L3.41.9MK-CK-2R  
HM73.XX\_L17.23M-CK-2R  
HM73.XX\_L20.18F-CK-2R  
HM73.XX\_L20FK-CK-2R  
HM73.XX\_L36.25F-CK-2R

### HM90

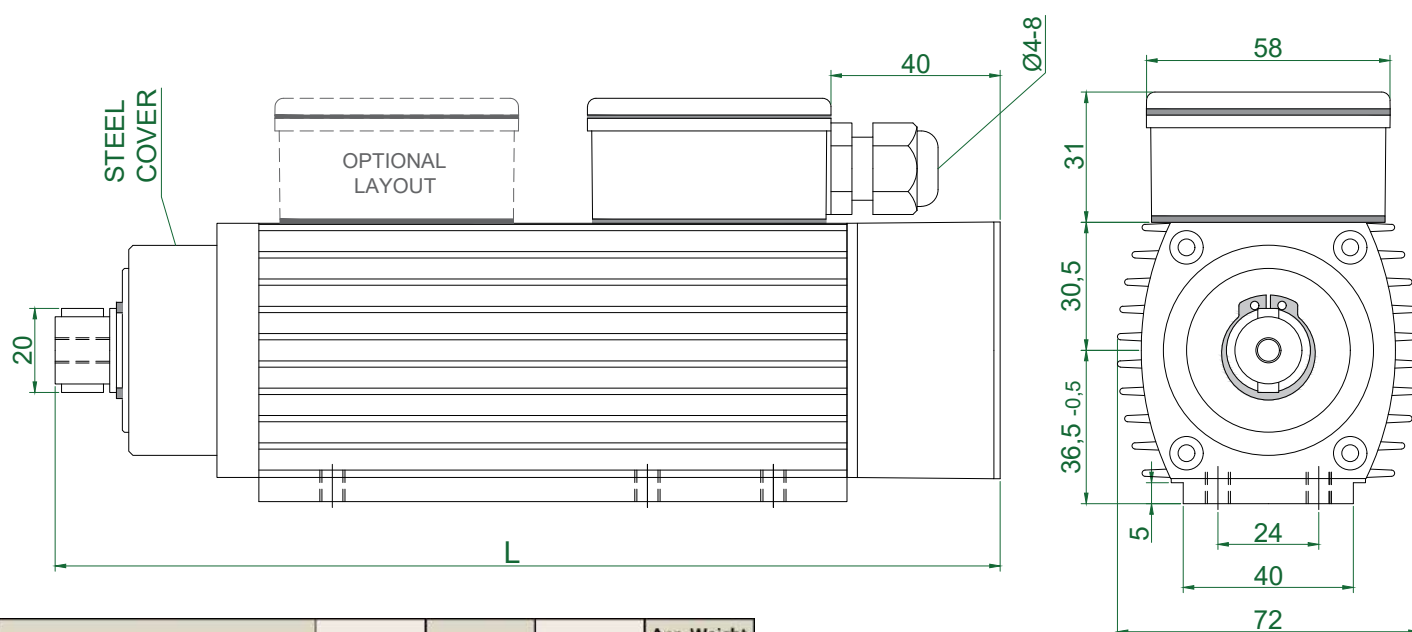
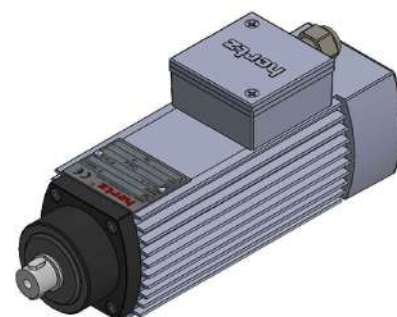
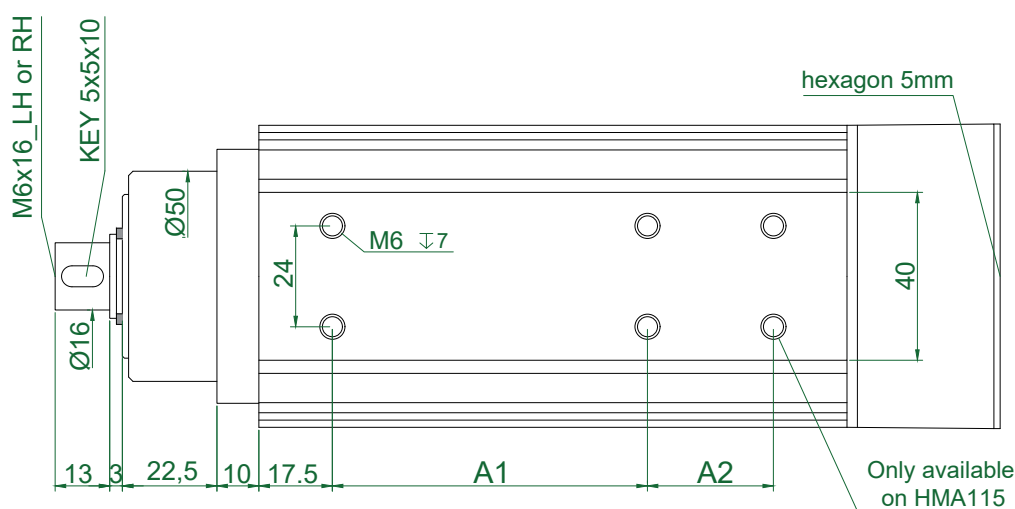
HM90.XX\_L1.40MK-CK-2R  
HM90.XX\_L17.23M-CK-2R  
HM90.XX\_L50FK-CK-2R

### HM110

HM110.XX\_L3.50FK-CK-2R  
HM110.XX\_L18.22M-CK-2R  
HM110.XX\_L50FK-CK-1R

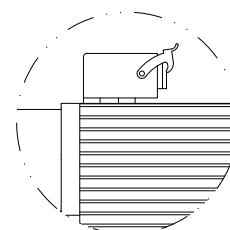


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |

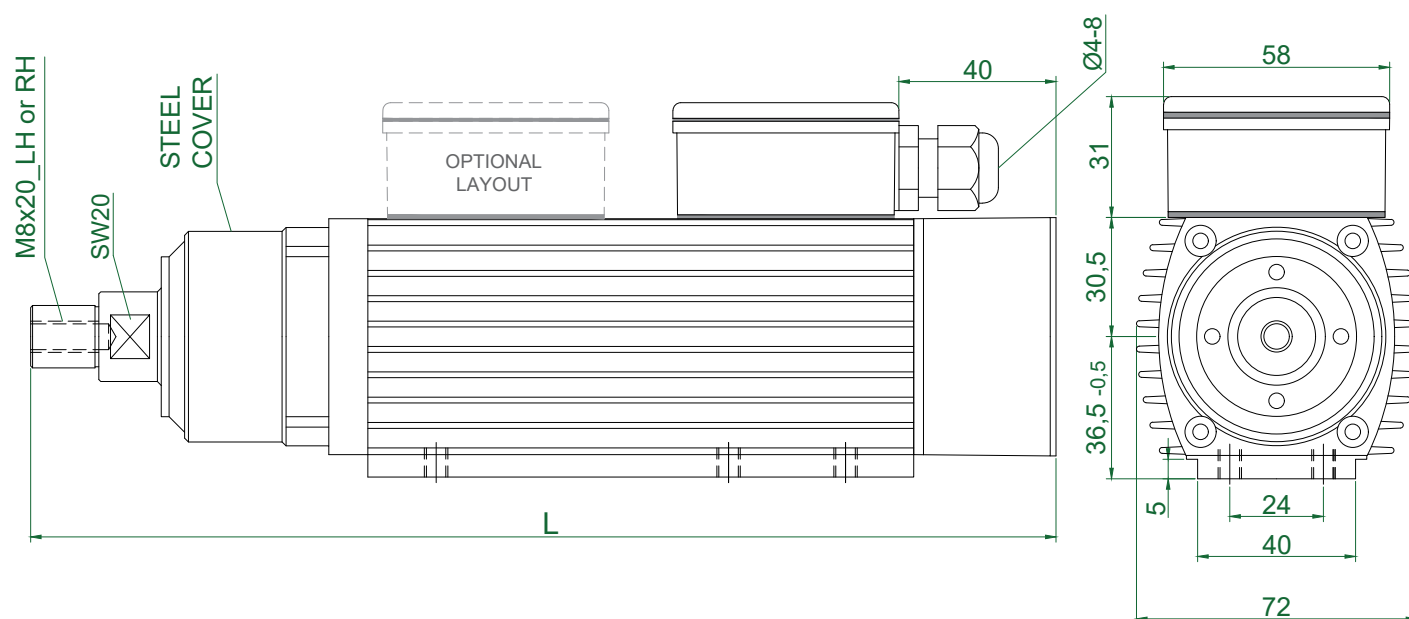
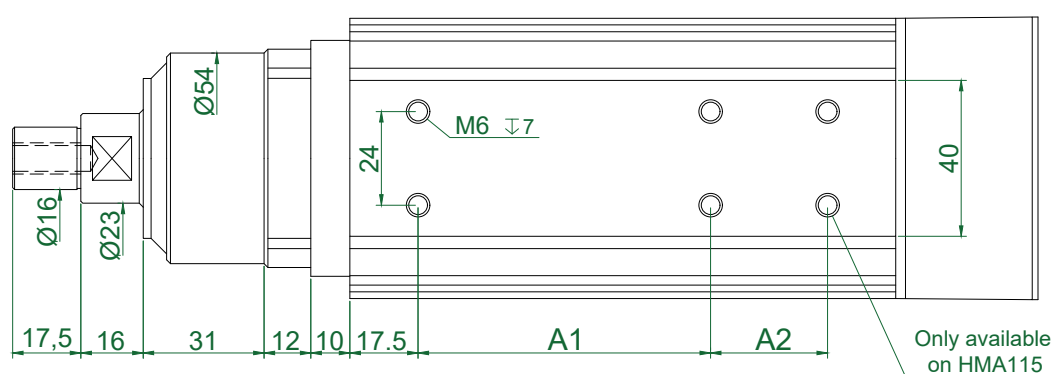


| TYPE                  | A1 | A2 | L   | Apr. Weight Kg |
|-----------------------|----|----|-----|----------------|
| HMA 55_L3.13FK-CK-1R  | 60 | -  | 185 | 2,150          |
| HMA 60_L3.13FK-CK-1R  | 60 | -  | 190 | 2,200          |
| HMA 70_L3.13FK-CK-1R  | 75 | -  | 200 | 2,300          |
| HMA 85_L3.13FK-CK-1R  | 75 | -  | 215 | 2,650          |
| HMA 95_L3.13FK-CK-1R  | 75 | -  | 225 | 2,800          |
| HMA 115_L3.13FK-CK-1R | 75 | 30 | 245 | 3,200          |

Plug Connection (optional)

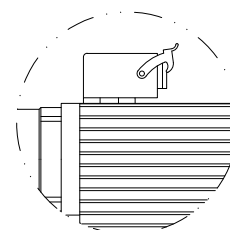


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |

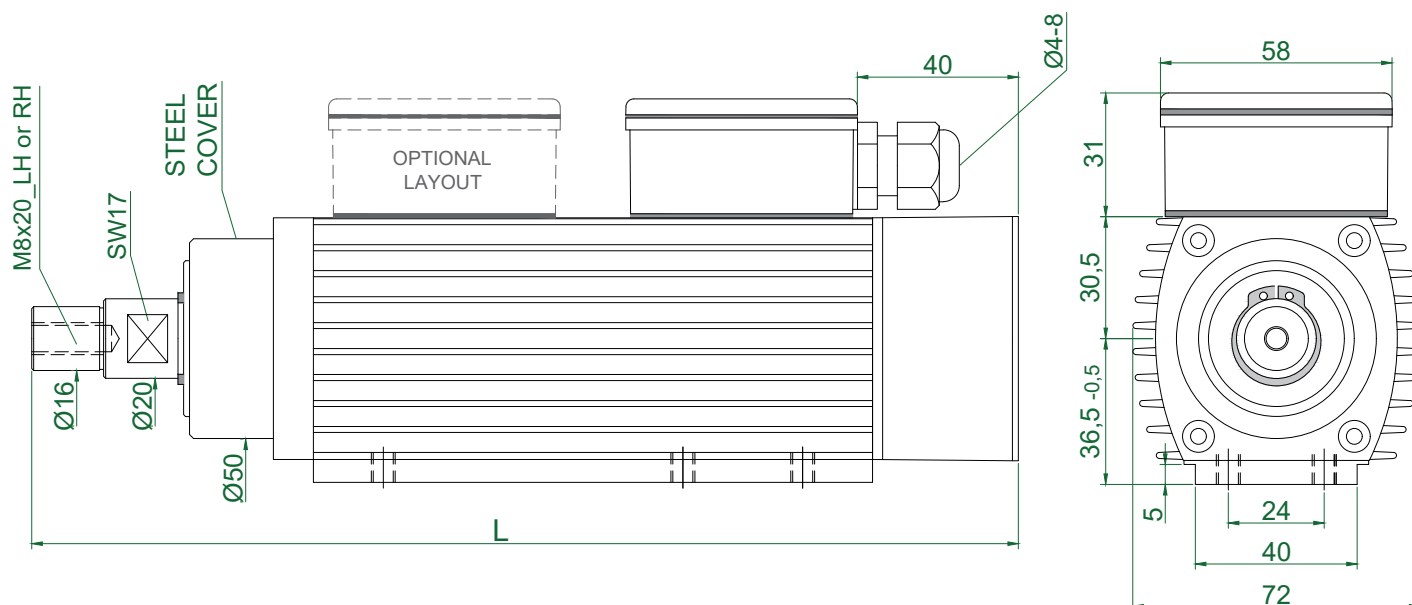
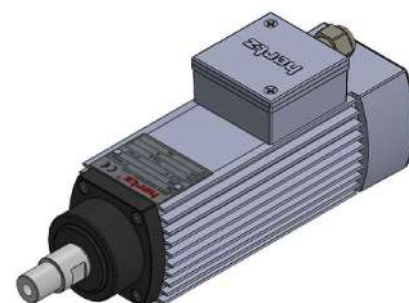
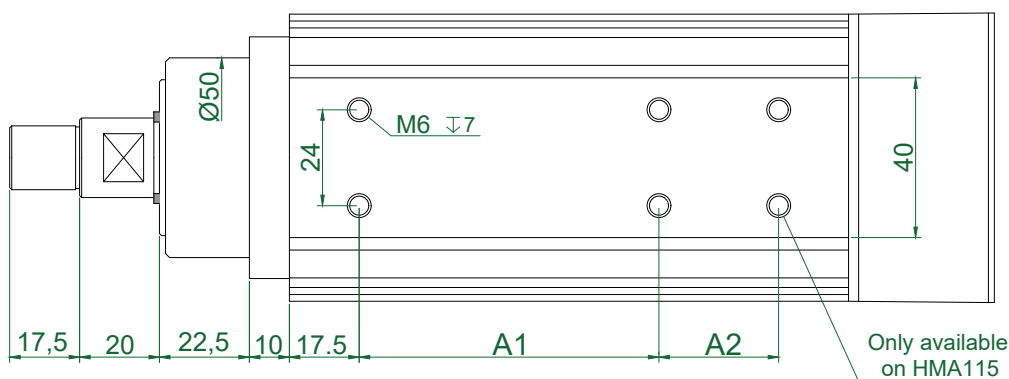


| TYPE                  | A1 | A2 | L   | Apr. Weight Kg |
|-----------------------|----|----|-----|----------------|
| HMA 55_L16.18F-CK-2R  | 60 | -  | 223 | 2,500          |
| HMA 60_L16.18F-CK-2R  | 60 | -  | 228 | 2,550          |
| HMA 70_L16.18F-CK-2R  | 75 | -  | 238 | 2,700          |
| HMA 85_L16.18F-CK-2R  | 75 | -  | 253 | 3,000          |
| HMA 95_L16.18F-CK-2R  | 75 | -  | 263 | 3,200          |
| HMA 115_L16.18F-CK-2R | 75 | 30 | 283 | 3,550          |

Plug Connection (optional)

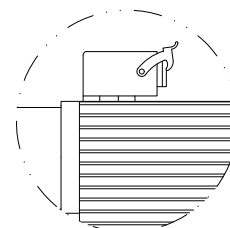


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |

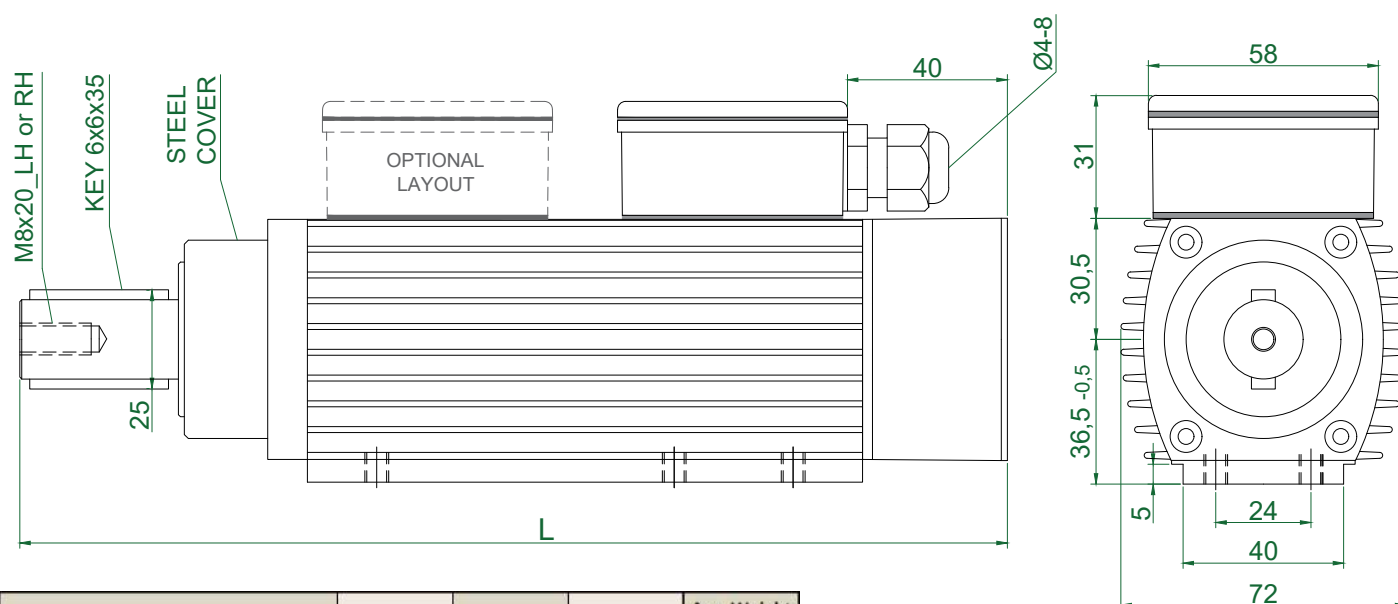
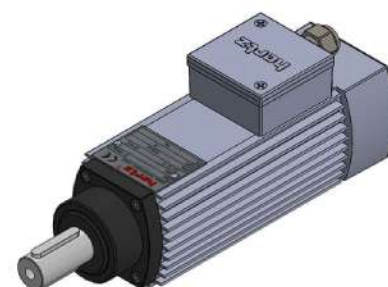
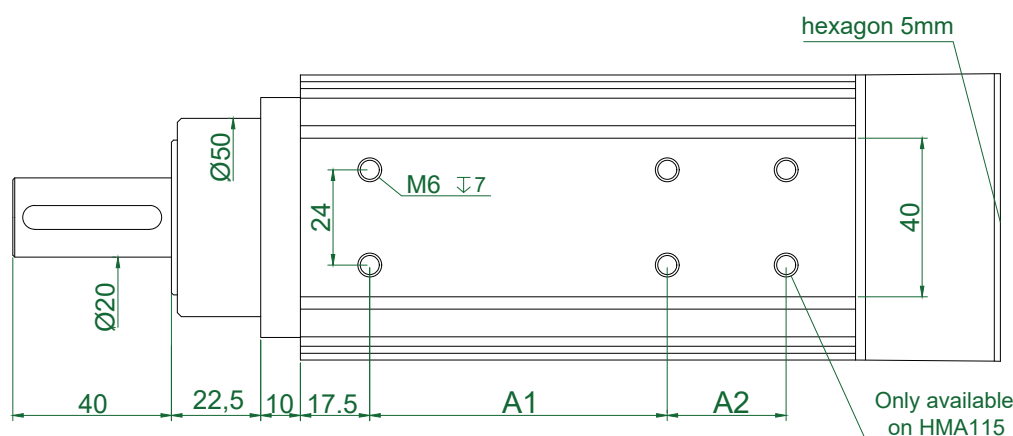


| TYPE                  | A1 | A2 | L   | Apr. Weight Kg |
|-----------------------|----|----|-----|----------------|
| HMA 55_L20.18F-CK-1R  | 60 | -  | 207 | 2,200          |
| HMA 60_L20.18F-CK-1R  | 60 | -  | 212 | 2,250          |
| HMA 70_L20.18F-CK-1R  | 75 | -  | 222 | 2,350          |
| HMA 85_L20.18F-CK-1R  | 75 | -  | 237 | 2,700          |
| HMA 95_L20.18F-CK-1R  | 75 | -  | 247 | 2,900          |
| HMA 115_L20.18F-CK-1R | 75 | 30 | 267 | 3,250          |

Plug Connection (optional)

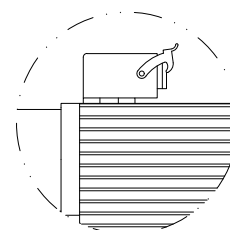


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |

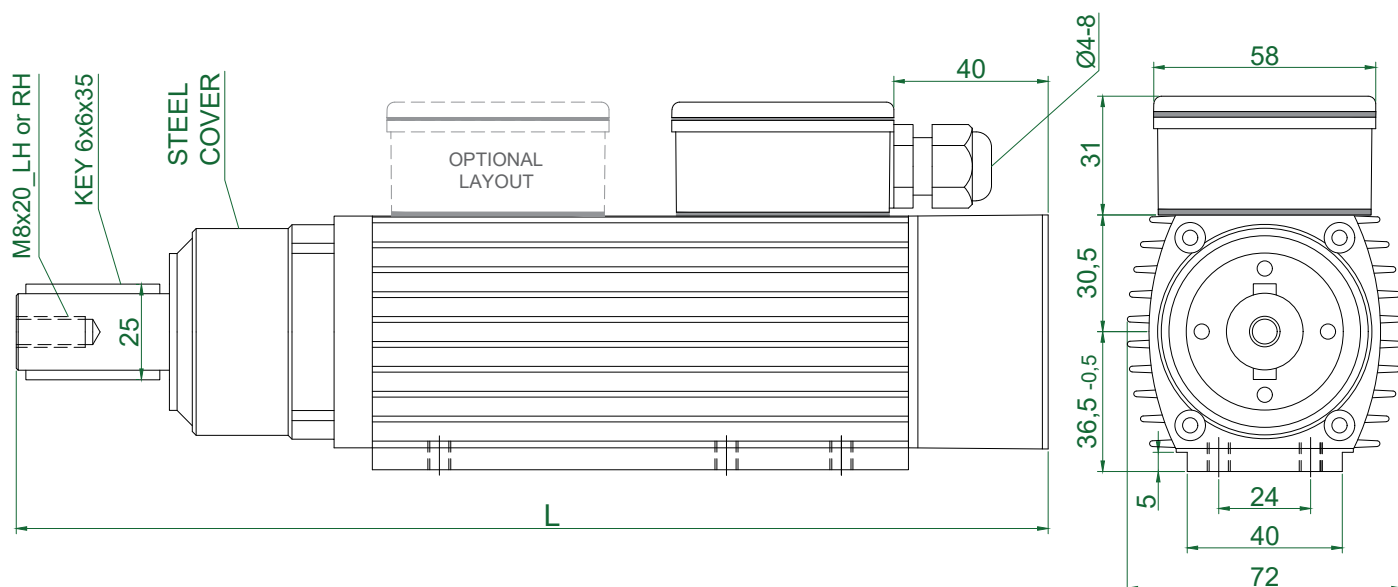
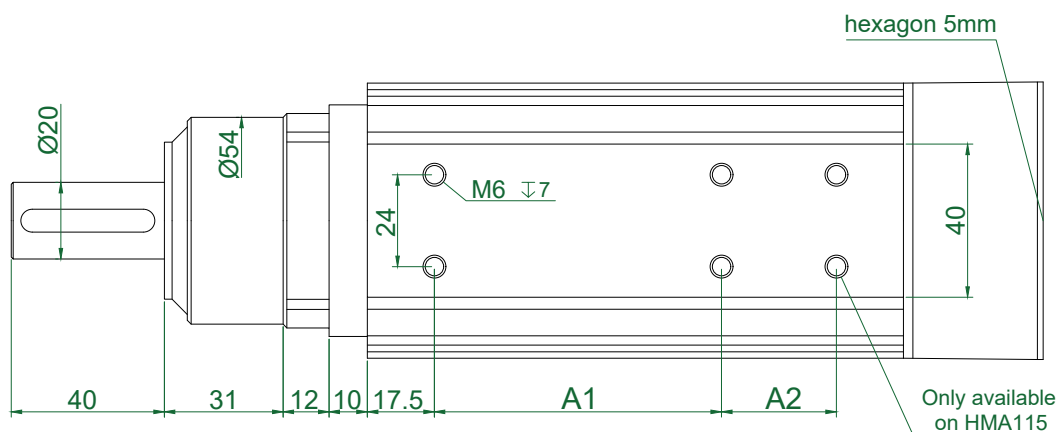


| TYPE                | A1 | A2 | L   | Apr. Weight Kg |
|---------------------|----|----|-----|----------------|
| HMA 55_L40FK-CK-1R  | 60 | -  | 209 | 2,200          |
| HMA 60_L40FK-CK-1R  | 60 | -  | 214 | 2,250          |
| HMA 70_L40FK-CK-1R  | 75 | -  | 224 | 2,400          |
| HMA 85_L40FK-CK-1R  | 75 | -  | 239 | 2,700          |
| HMA 95_L40FK-CK-1R  | 75 | -  | 249 | 2,900          |
| HMA 115_L40FK-CK-1R | 75 | 30 | 269 | 3,250          |

Plug Connection (optional)

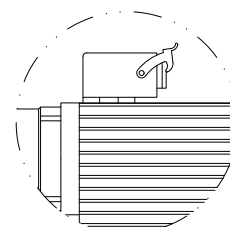


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |

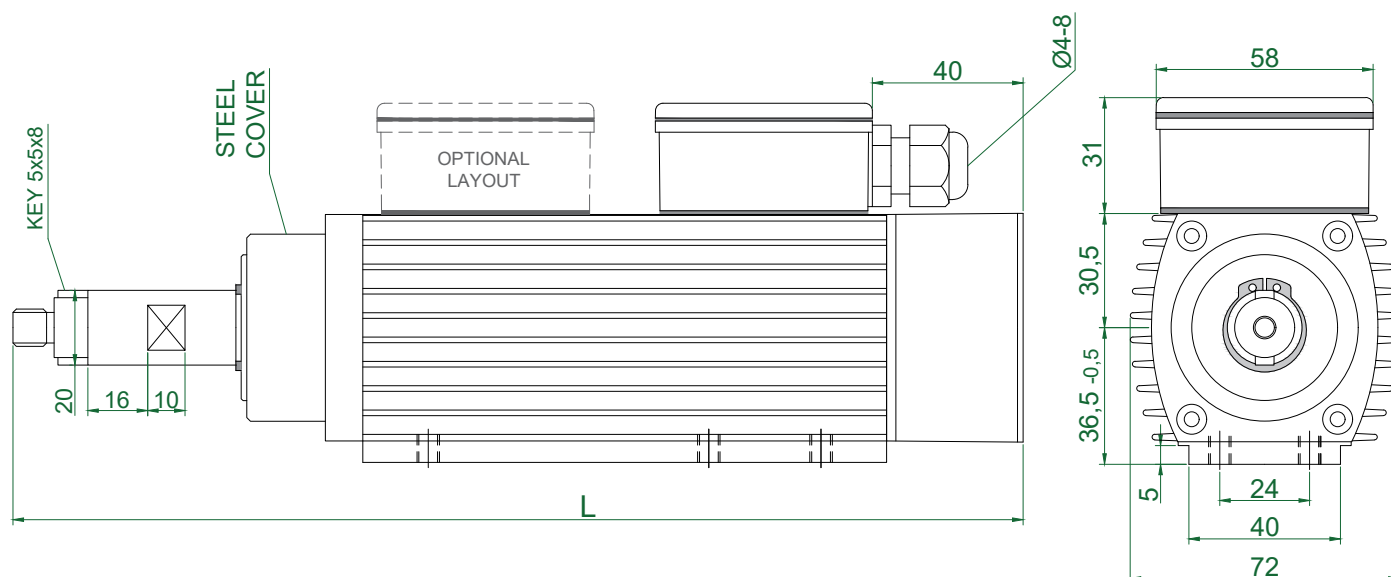
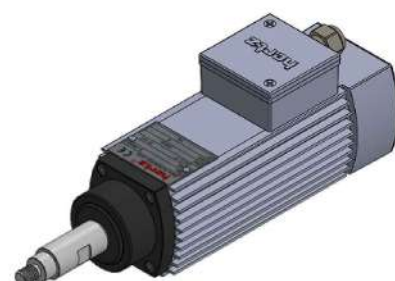
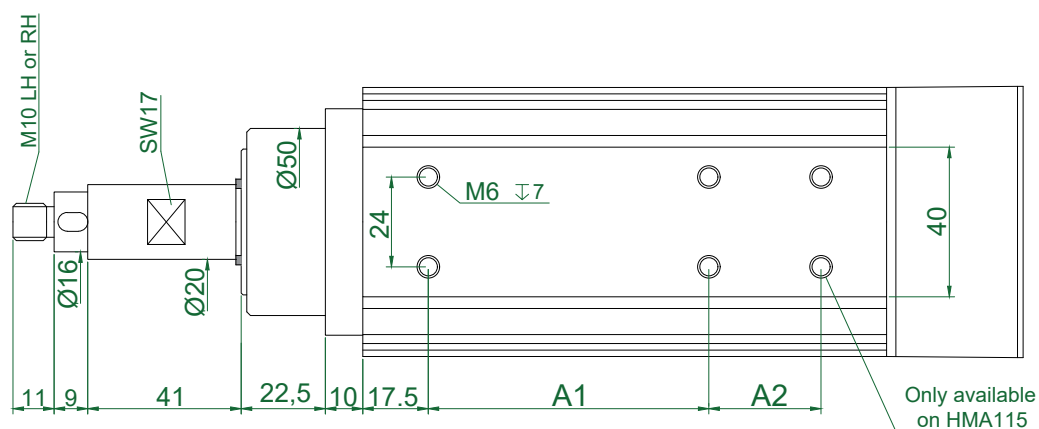


| TYPE                | A1 | A2 | L   | Apr. Weight<br>Kg |
|---------------------|----|----|-----|-------------------|
| HMA 55_L40FK-CK-2R  | 60 | -  | 230 | 2,550             |
| HMA 60_L40FK-CK-2R  | 60 | -  | 235 | 2,600             |
| HMA 70_L40FK-CK-2R  | 75 | -  | 245 | 2,700             |
| HMA 85_L40FK-CK-2R  | 75 | -  | 260 | 3,050             |
| HMA 95_L40FK-CK-2R  | 75 | -  | 270 | 3,250             |
| HMA 115_L40FK-CK-2R | 75 | 30 | 290 | 3,600             |

Plug Connection  
(optional)

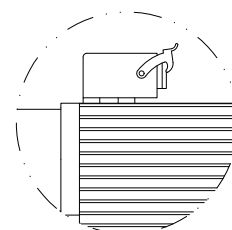


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |

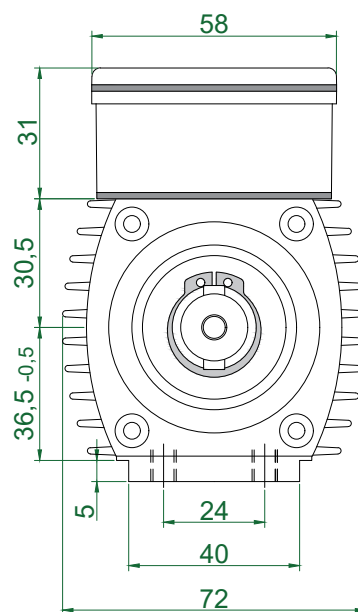
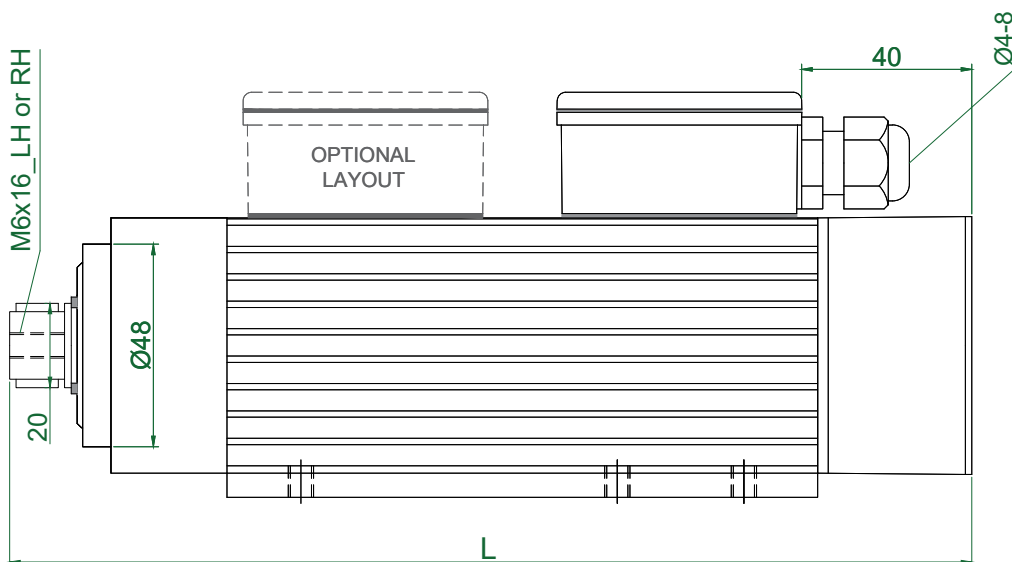
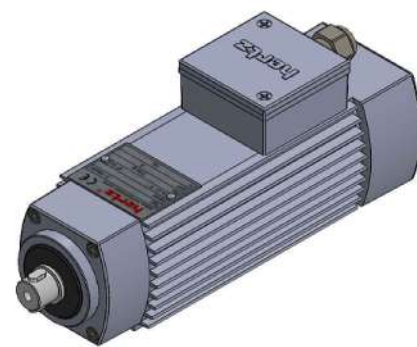
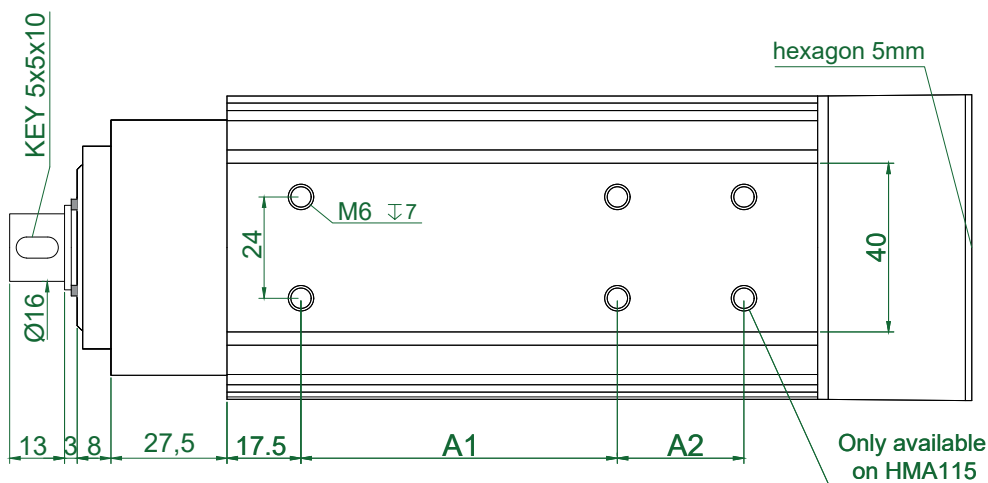


| TYPE                  | A1 | A2 | L   | Apr. Weight<br>Kg |
|-----------------------|----|----|-----|-------------------|
| HMA 55_L41.9MK-CK-1R  | 60 | -  | 230 | 2,250             |
| HMA 60_L41.9MK-CK-1R  | 60 | -  | 235 | 2,300             |
| HMA 70_L41.9MK-CK-1R  | 75 | -  | 245 | 2,400             |
| HMA 85_L41.9MK-CK-1R  | 75 | -  | 260 | 2,750             |
| HMA 95_L41.9MK-CK-1R  | 75 | -  | 270 | 2,900             |
| HMA 115_L41.9MK-CK-1R | 75 | 30 | 290 | 3,300             |

### Plug Connection (optional)

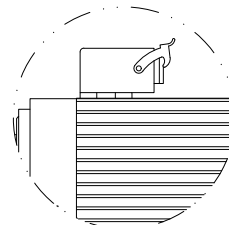


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |

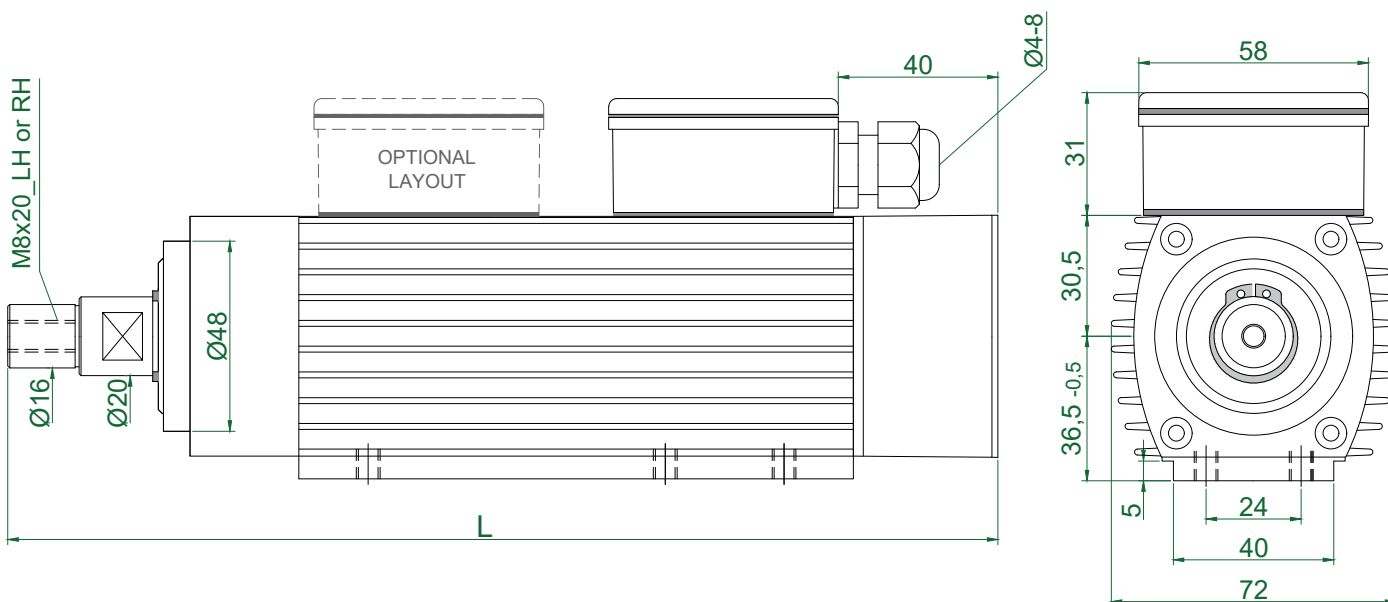
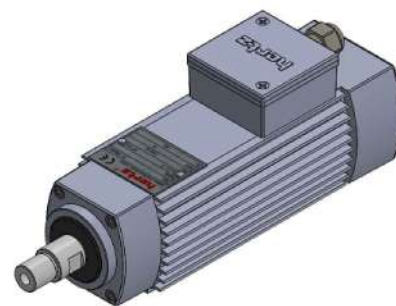
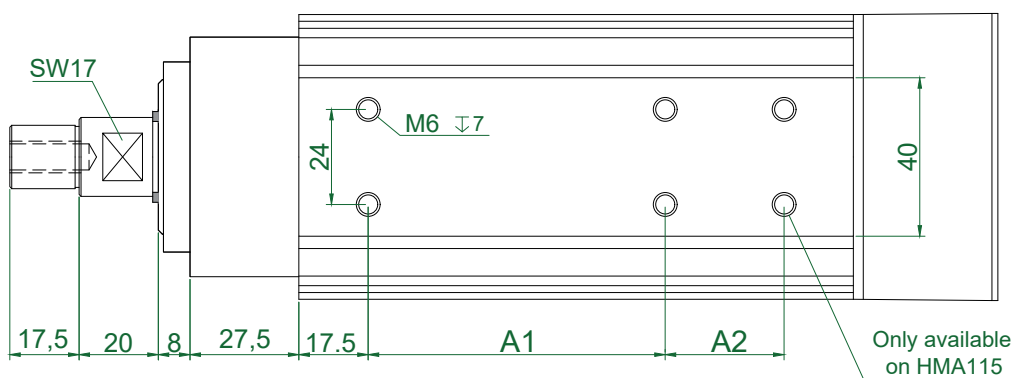


| TYPE                  | A1 | A2 | L   | Apr. Weight<br>Kg |
|-----------------------|----|----|-----|-------------------|
| HMA 55_L3.13FK-AK-1R  | 60 | -  | 188 | 2,200             |
| HMA 60_L3.13FK-AK-1R  | 60 | -  | 193 | 2,250             |
| HMA 70_L3.13FK-AK-1R  | 75 | -  | 203 | 2,350             |
| HMA 85_L3.13FK-AK-1R  | 75 | -  | 218 | 2,700             |
| HMA 95_L3.13FK-AK-1R  | 75 | -  | 228 | 2,900             |
| HMA 115_L3.13FK-AK-1R | 75 | 30 | 248 | 3,250             |

Plug Connection  
(optional)

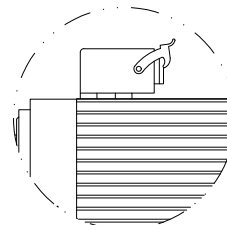


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |

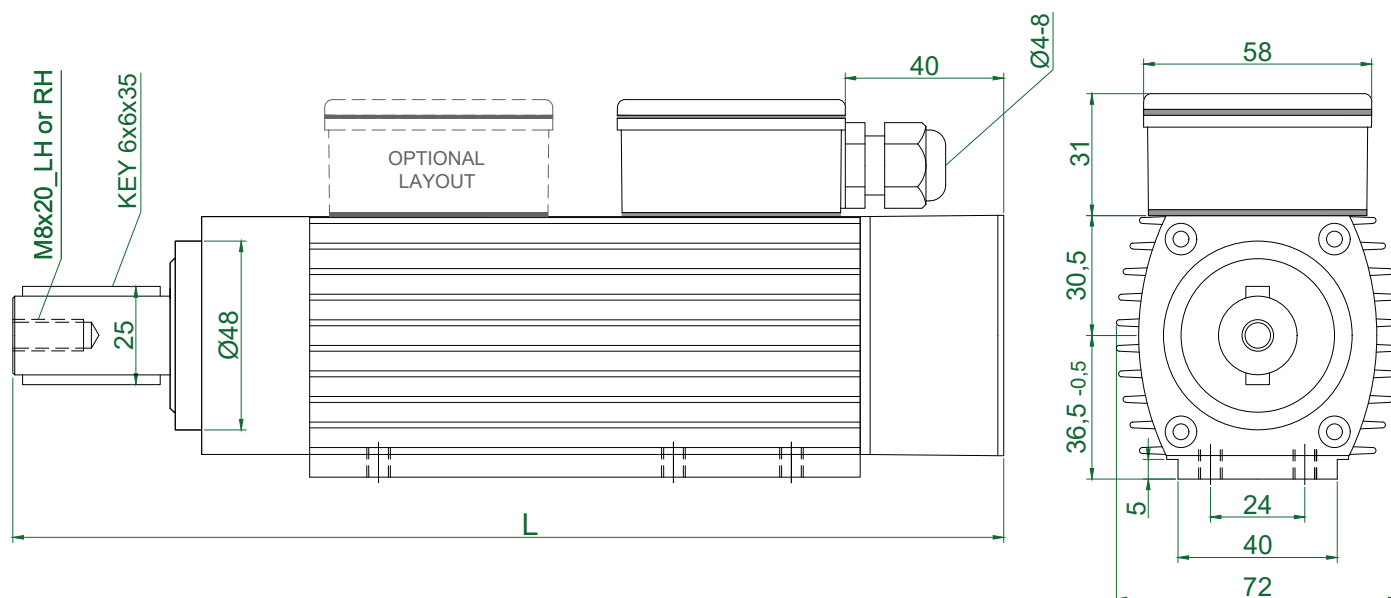
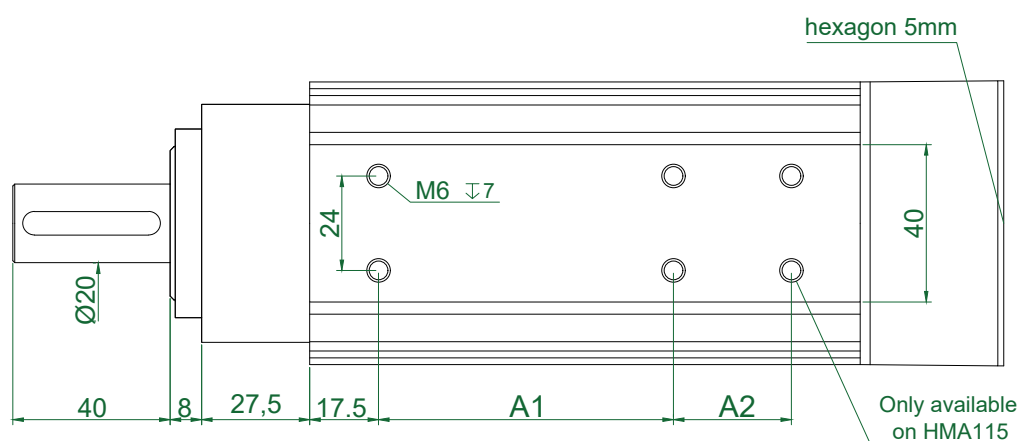


| TYPE                  | A1 | A2 | L   | Apr. Weight<br>Kg |
|-----------------------|----|----|-----|-------------------|
| HMA 55_L20.18F-AK-1R  | 60 | -  | 210 | 2,150             |
| HMA 60_L20.18F-AK-1R  | 60 | -  | 215 | 2,200             |
| HMA 70_L20.18F-AK-1R  | 75 | -  | 225 | 2,300             |
| HMA 85_L20.18F-AK-1R  | 75 | -  | 240 | 2,650             |
| HMA 95_L20.18F-AK-1R  | 75 | -  | 250 | 2,800             |
| HMA 115_L20.18F-AK-1R | 75 | 30 | 270 | 3,200             |

Plug Connection  
(optional)

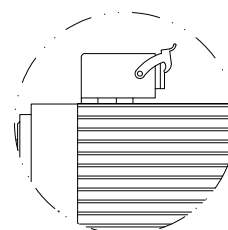


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |

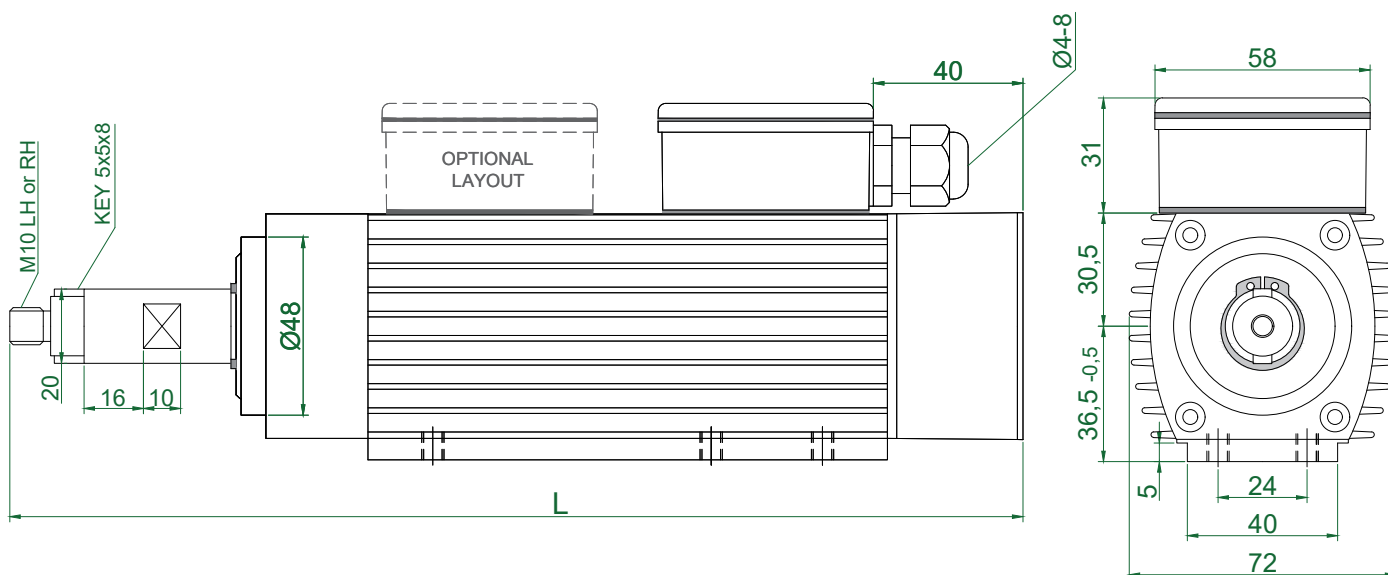
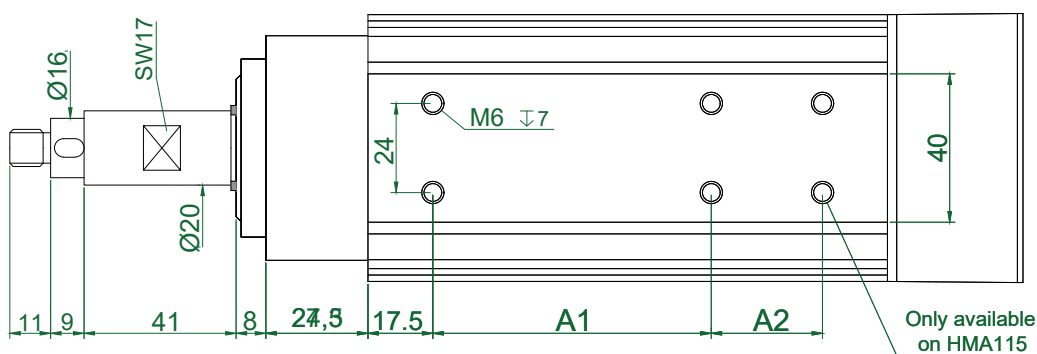


| TYPE                | A1 | A2 | L   | Apr. Weight Kg |
|---------------------|----|----|-----|----------------|
| HMA 55_L40FK-AK-1R  | 60 | -  | 212 | 2,150          |
| HMA 60_L40FK-AK-1R  | 60 | -  | 217 | 2,200          |
| HMA 70_L40FK-AK-1R  | 75 | -  | 227 | 2,300          |
| HMA 85_L40FK-AK-1R  | 75 | -  | 242 | 2,650          |
| HMA 95_L40FK-AK-1R  | 75 | -  | 252 | 2,850          |
| HMA 115_L40FK-AK-1R | 75 | 30 | 272 | 3,200          |

Plug Connection (optional)

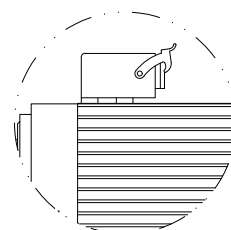


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HMA 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HMA 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMA 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HMA 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HMA 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |

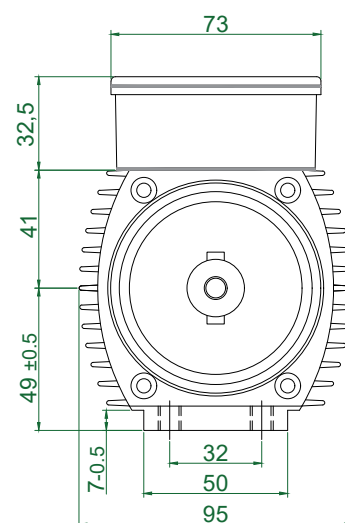
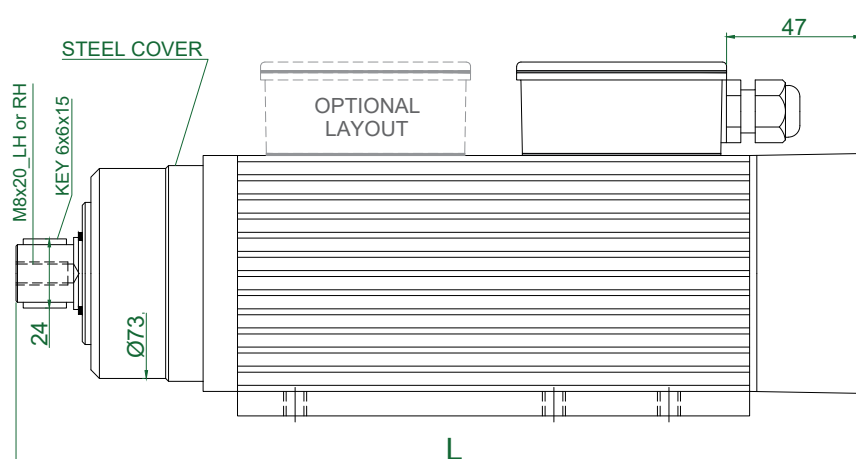
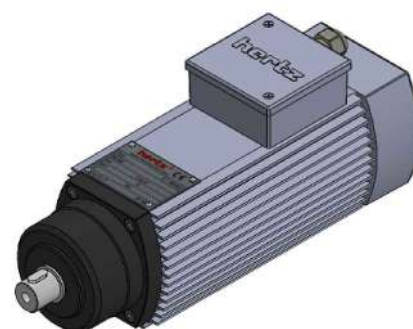
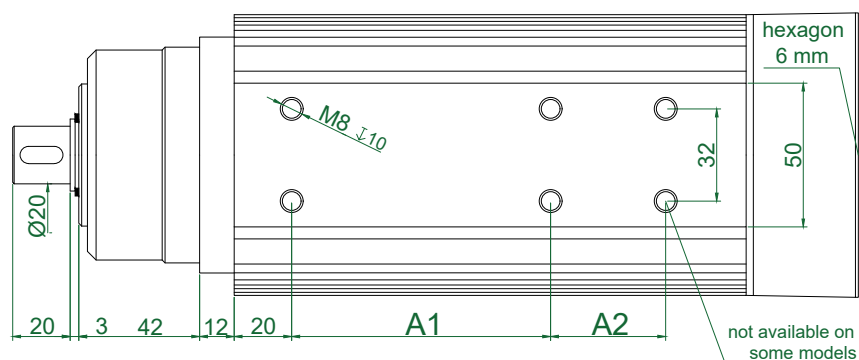


| TYPE                  | A1 | A2 | L   | Apr. Weight Kg |
|-----------------------|----|----|-----|----------------|
| HMA 55_L41.9MK-AK-1R  | 60 | -  | 233 | 2,200          |
| HMA 60_L41.9MK-AK-1R  | 60 | -  | 238 | 2,250          |
| HMA 70_L41.9MK-AK-1R  | 75 | -  | 248 | 2,350          |
| HMA 85_L41.9MK-AK-1R  | 75 | -  | 263 | 2,700          |
| HMA 95_L41.9MK-AK-1R  | 75 | -  | 273 | 2,900          |
| HMA 115_L41.9MK-AK-1R | 75 | 30 | 293 | 3,250          |

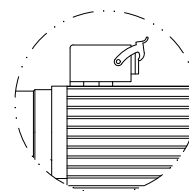
Plug Connection  
(optional)



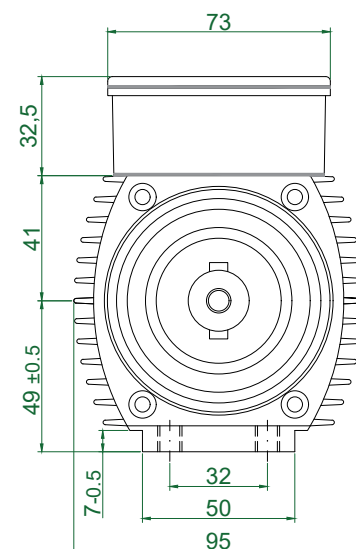
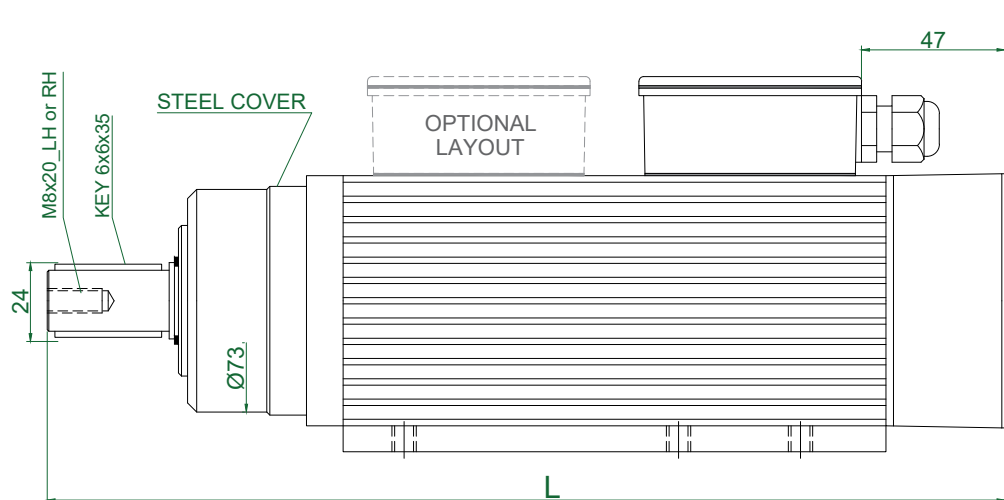
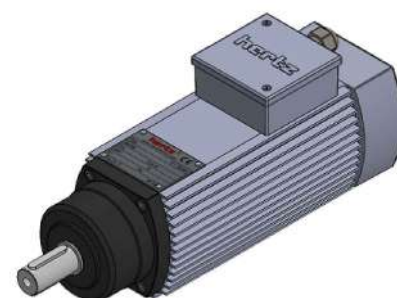
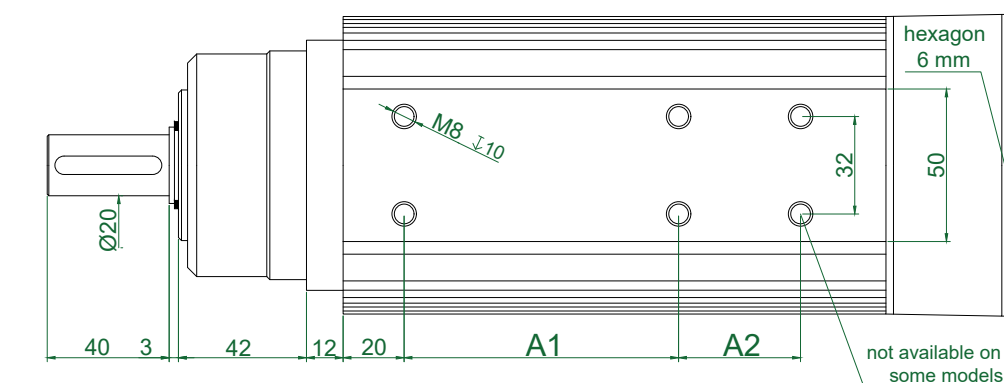
| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMB 170 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |



| TYPE                 | A1 | A2 | L   | Apr. Weight<br>Kg |
|----------------------|----|----|-----|-------------------|
| HMB90_L3.20FK-CK-2R  | 90 | -  | 264 | 6,450             |
| HMB100_L3.20FK-CK-2R | 90 | -  | 274 | 6,750             |
| HMB120_L3.20FK-CK-2R | 90 | 40 | 294 | 7,450             |
| HMB140_L3.20FK-CK-2R | 90 | 40 | 314 | 8,050             |
| HMB170_L3.20FK-CK-2R | 90 | 40 | 344 | 9,100             |

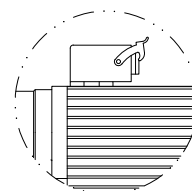


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMB 170 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |

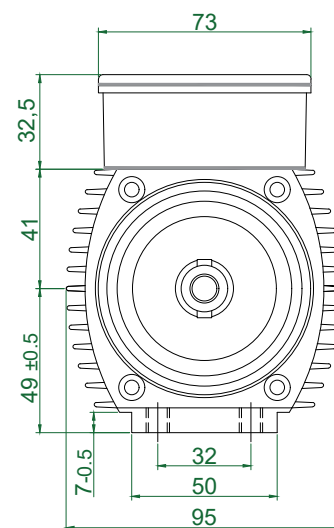
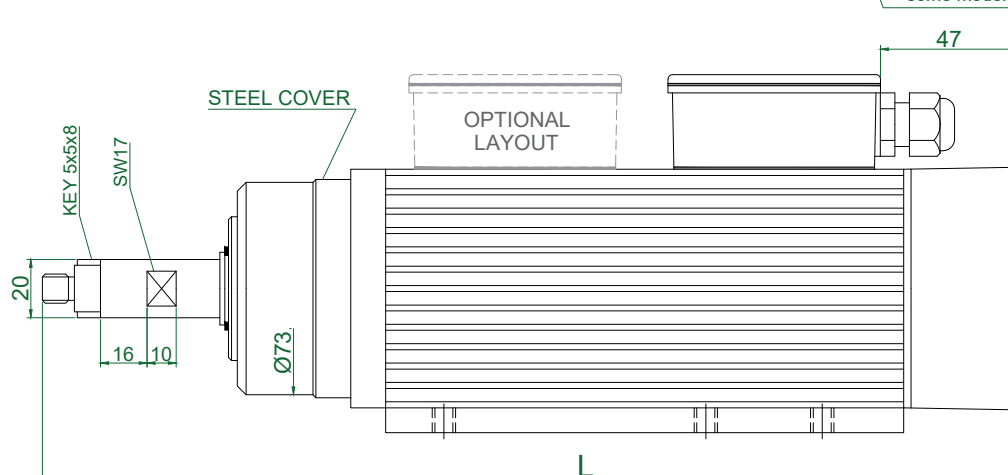
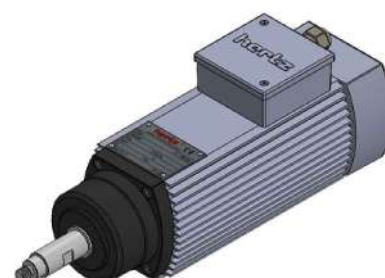
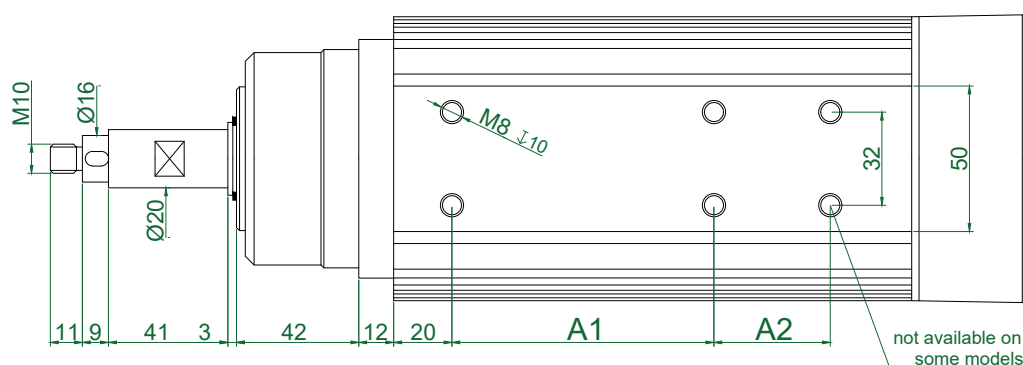


| TYPE                 | A1 | A2 | L   | Apr. Weight Kg |
|----------------------|----|----|-----|----------------|
| HMB90_L3.40FK-CK-2R  | 90 | -  | 284 | 6,450          |
| HMB100_L3.40FK-CK-2R | 90 | -  | 294 | 6,800          |
| HMB120_L3.40FK-CK-2R | 90 | 40 | 314 | 7,500          |
| HMB140_L3.40FK-CK-2R | 90 | 40 | 334 | 8,100          |
| HMB170_L3.40FK-CK-2R | 90 | 40 | 364 | 9,150          |

Plug Connection (optional)

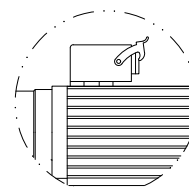


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v)   | A (380v) |
| HMB 170 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 2,60       | 1,50     |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 2,40       | 1,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 2,60       | 1,50     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 4,00       | 2,30     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 4,90       | 2,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 5,70       | 3,30     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 2,60       | 1,50     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 10,4       | 6,00     |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 5,70       | 3,30     |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 6,40       | 3,60     |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 9,00       | 5,20     |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 10,0       | 5,80     |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 12,5       | 7,20     |

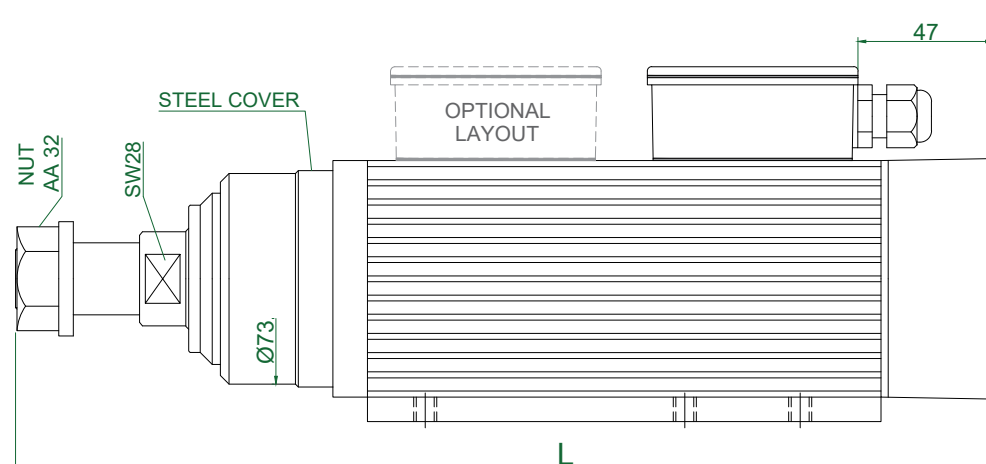
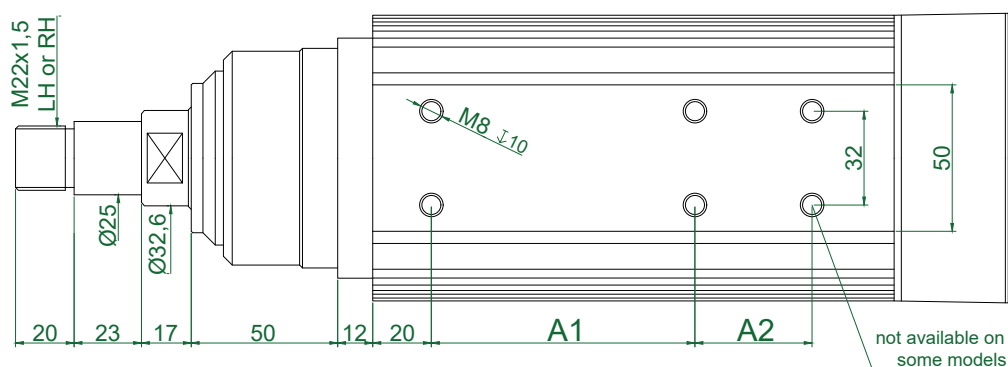


| TYPE                   | A1 | A2 | L   | Apr. Weight Kg |
|------------------------|----|----|-----|----------------|
| HMB90_L3.41.9MK-CK-2R  | 90 | -  | 305 | 6,500          |
| HMB100_L3.41.9MK-CK-2R | 90 | -  | 315 | 6,850          |
| HMB120_L3.41.9MK-CK-2R | 90 | 40 | 335 | 7,500          |
| HMB140_L3.41.9MK-CK-2R | 90 | 40 | 355 | 8,150          |
| HMB170_L3.41.9MK-CK-2R | 90 | 40 | 385 | 9,200          |

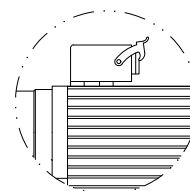
Plug Connection (optional)



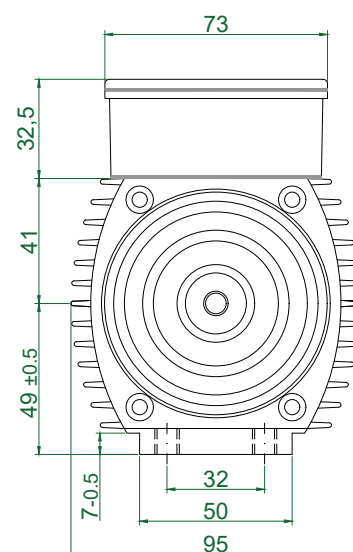
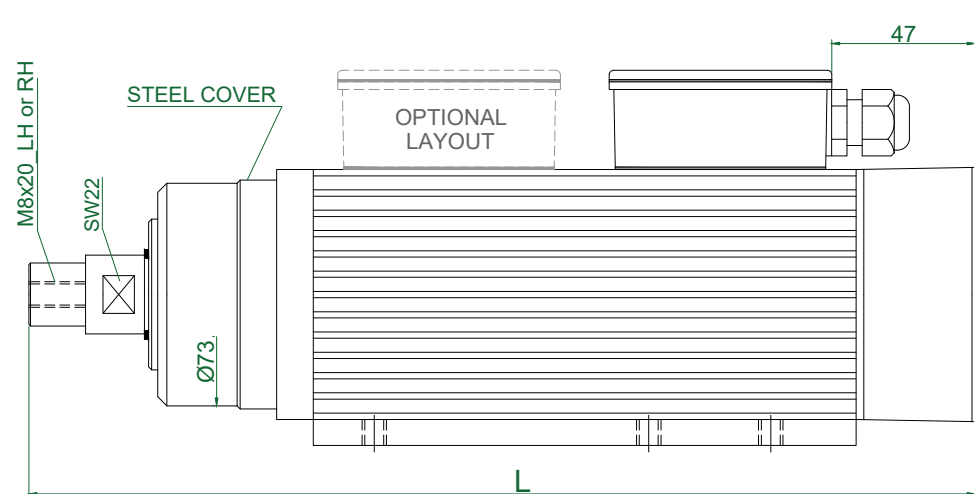
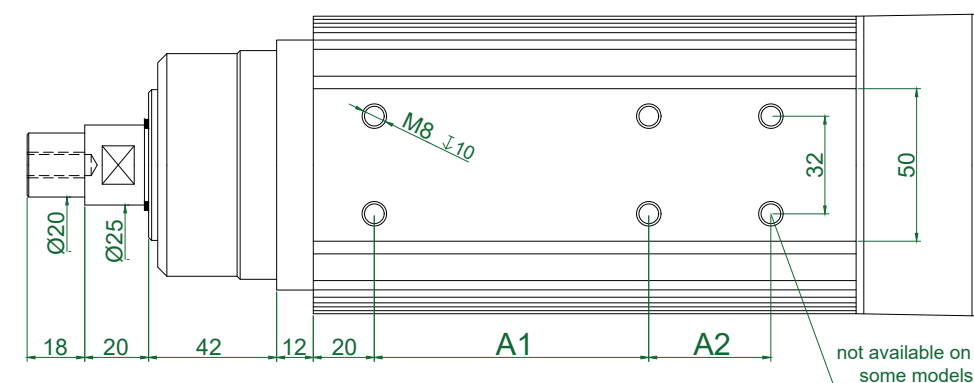
| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMB 170 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |



| TYPE                 | A1 | A2 | L   | Apr. Weight<br>Kg |
|----------------------|----|----|-----|-------------------|
| HMB90_L17.23M-CK-2R  | 90 | -  | 309 | 6,650             |
| HMB100_L17.23M-CK-2R | 90 | -  | 319 | 7,000             |
| HMB120_L17.23M-CK-2R | 90 | 40 | 339 | 7,650             |
| HMB140_L17.23M-CK-2R | 90 | 40 | 359 | 8,300             |
| HMB170_L17.23M-CK-2R | 90 | 40 | 389 | 9,300             |

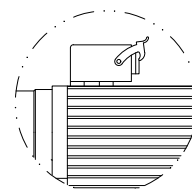


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMB 170 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |

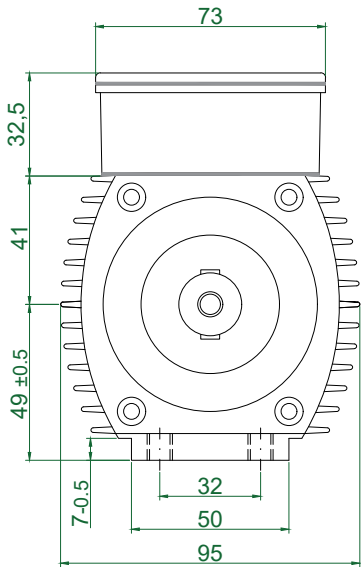
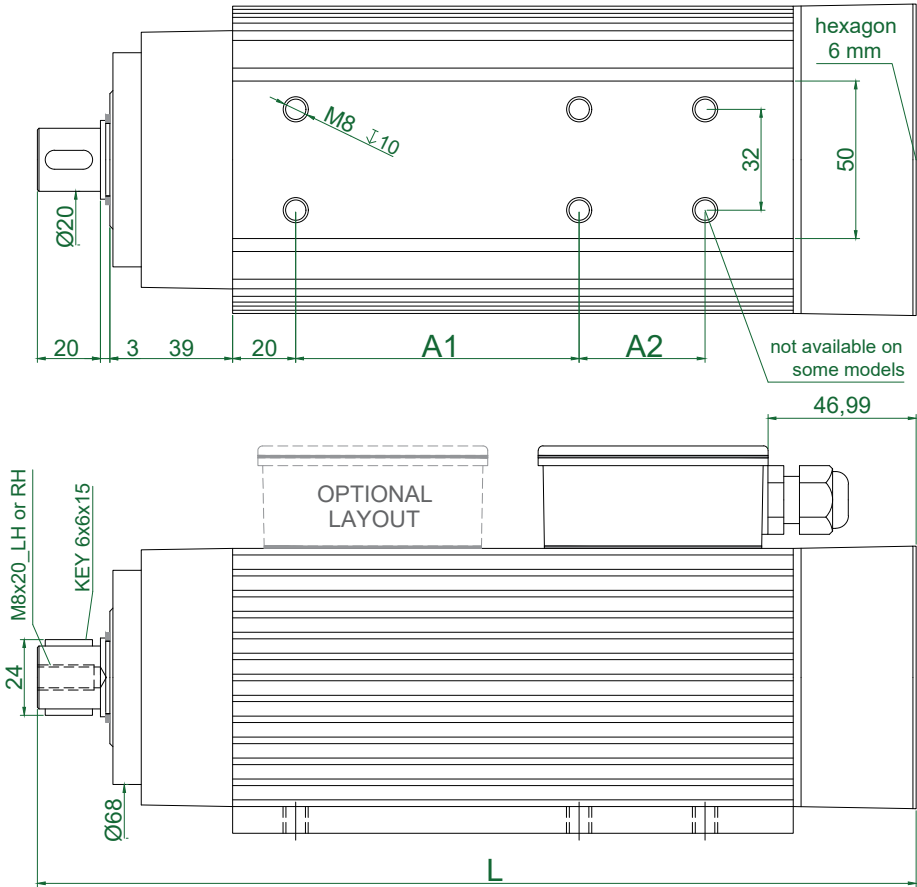


| TYPE                 | A1 | A2 | L   | Apr. Weight Kg |
|----------------------|----|----|-----|----------------|
| HMB90_L20.18F-CK-2R  | 90 | -  | 279 | 6,450          |
| HMB100_L20.18F-CK-2R | 90 | -  | 289 | 6,800          |
| HMB120_L20.18F-CK-2R | 90 | 40 | 309 | 7,500          |
| HMB140_L20.18F-CK-2R | 90 | 40 | 329 | 8,100          |
| HMB170_L20.18F-CK-2R | 90 | 40 | 359 | 9,150          |

Plug Connection (optional)

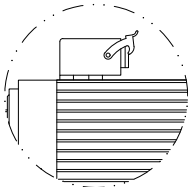


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMB 170 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |

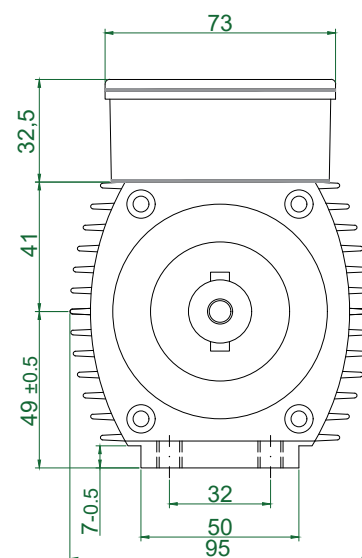
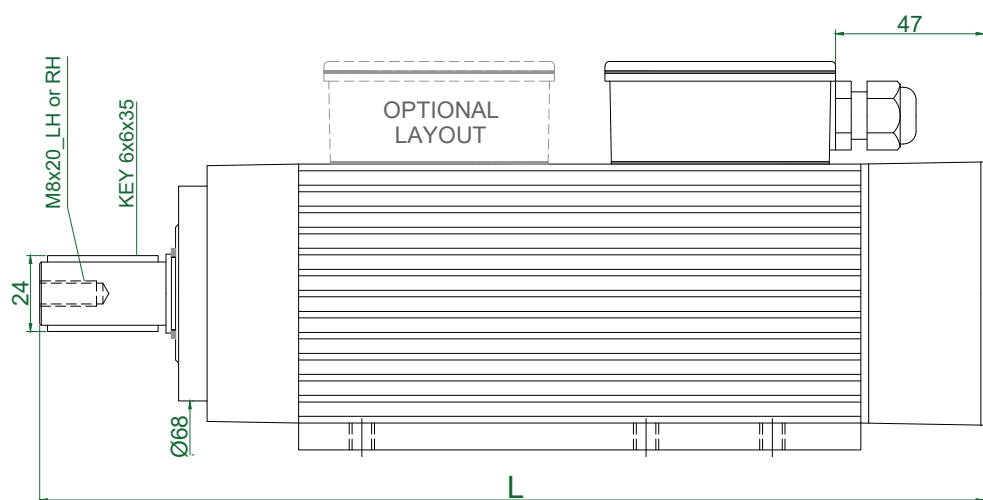
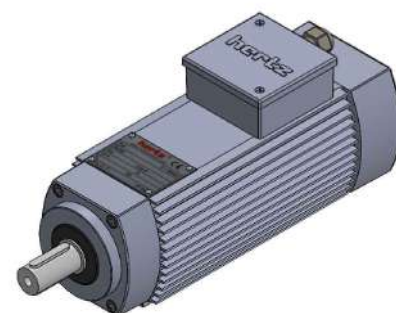
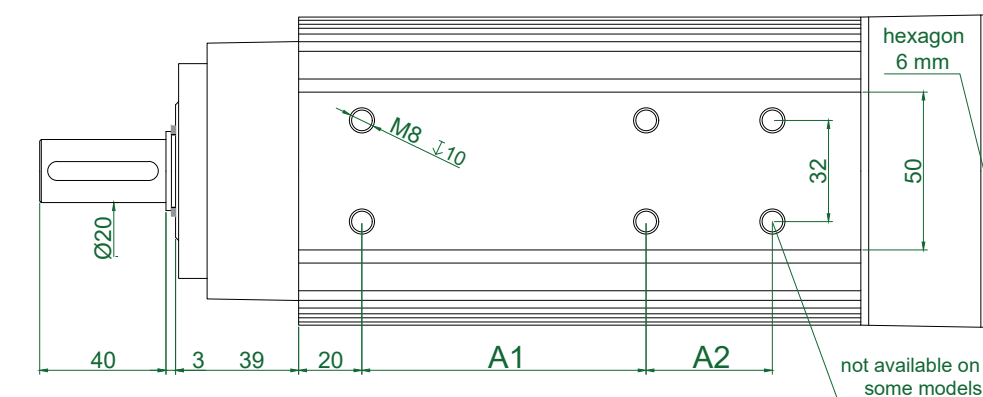


| TYPE                     | A1 | A2 | L   | Apr. Weight Kg |
|--------------------------|----|----|-----|----------------|
| HMB90_L3.20FK-AK-2R (1R) | 90 | -  | 249 | 5,300          |
| HMB90_L3.20FK-AK-2R (1R) | 90 | -  | 259 | 5,650          |
| HMB90_L3.20FK-AK-2R (1R) | 90 | 40 | 279 | 6,300          |
| HMB90_L3.20FK-AK-2R (1R) | 90 | 40 | 299 | 6,700          |
| HMB90_L3.20FK-AK-2R (1R) | 90 | 40 | 329 | 8,000          |

Plug Connection (optional)

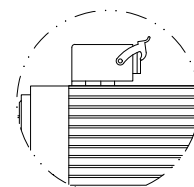


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v)   | A (380v) |
| HMB 170 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380    | 2,60     |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380    | 2,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380    | 2,60     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380    | 4,00     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380    | 4,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380    | 5,70     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380    | 2,60     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380    | 4,00     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380    | 5,70     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380    | 6,40     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380    | 10,0     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380    | 10,4     |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380    | 5,70     |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380    | 6,40     |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380    | 9,00     |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380    | 10,0     |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380    | 12,5     |

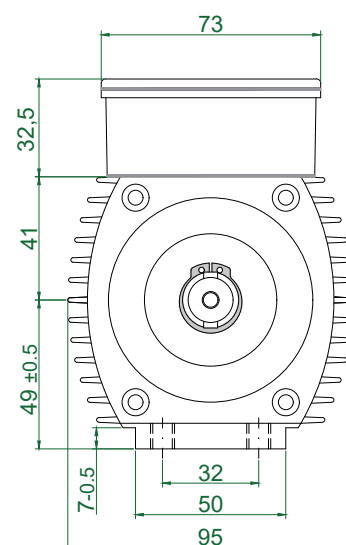
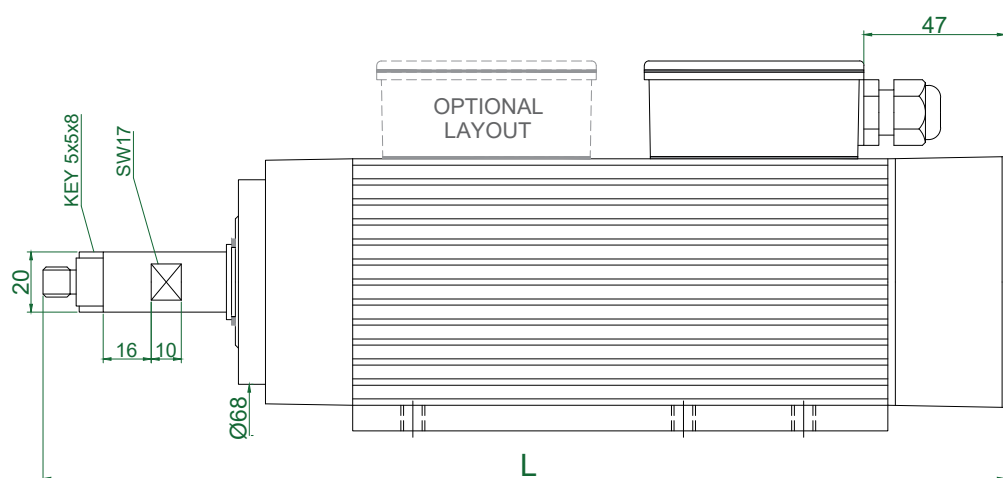
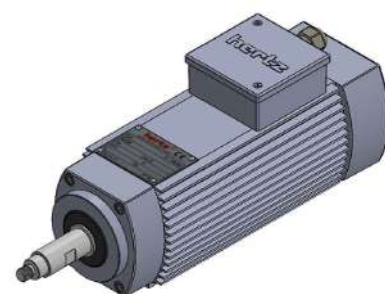
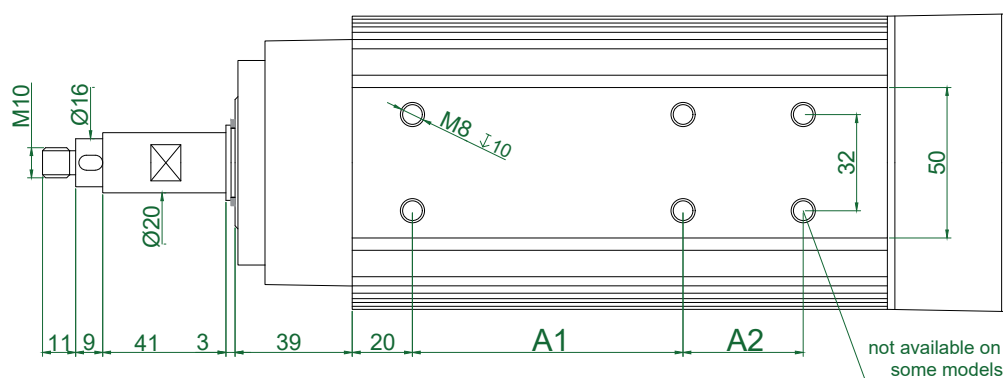


| TYPE                      | A1 | A2 | L   | Apr. Weight<br>Kg |
|---------------------------|----|----|-----|-------------------|
| HMB90_L3.40FK-AK-2R (1R)  | 90 | -  | 270 | 5,350             |
| HMB100_L3.40FK-AK-2R (1R) | 90 | -  | 280 | 5,700             |
| HMB120_L3.40FK-AK-2R (1R) | 90 | 40 | 300 | 6,350             |
| HMB140_L3.40FK-AK-2R (1R) | 90 | 40 | 320 | 7,000             |
| HMB170_L3.40FK-AK-2R (1R) | 90 | 40 | 350 | 8,050             |

Plug Connection  
(optional)

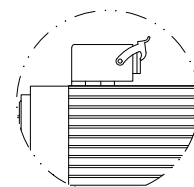


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v)   | A (380v) |
| HMB 170 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380    | 2,60     |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380    | 2,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380    | 2,60     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380    | 4,00     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380    | 4,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380    | 5,70     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380    | 2,60     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380    | 4,00     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380    | 5,70     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380    | 6,40     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380    | 10,0     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380    | 10,4     |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380    | 5,70     |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380    | 6,40     |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380    | 9,00     |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380    | 10,0     |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380    | 12,5     |

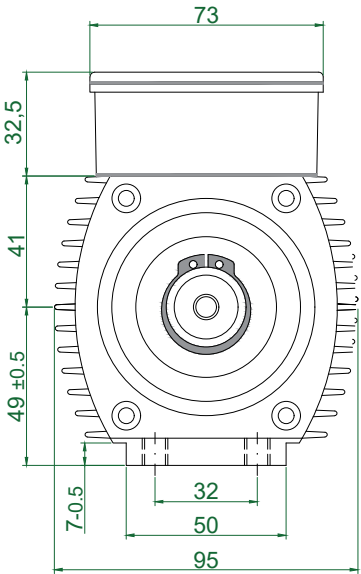
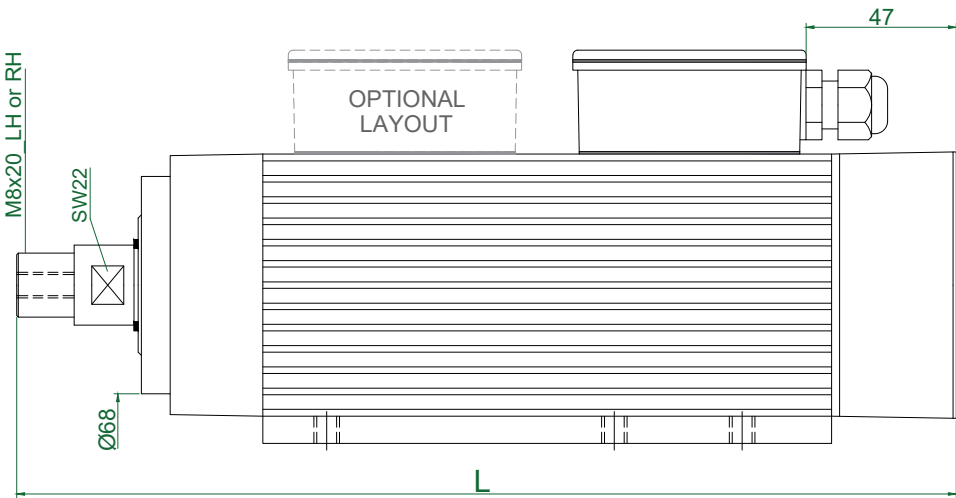
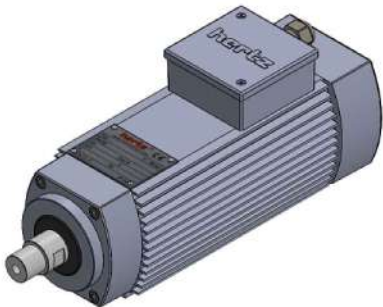
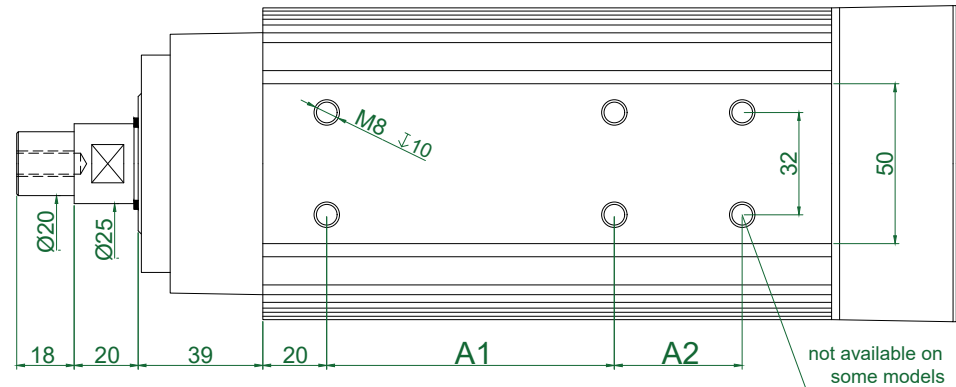


| TYPE                        | A1 | A2 | L   | Apr. Weight Kg |
|-----------------------------|----|----|-----|----------------|
| HMB90_L3.41.9MK-AK-2R (1R)  | 90 | -  | 290 | 5,350          |
| HMB100_L3.41.9MK-AK-2R (1R) | 90 | -  | 300 | 5,700          |
| HMB120_L3.41.9MK-AK-2R (1R) | 90 | 40 | 320 | 6,350          |
| HMB140_L3.41.9MK-AK-2R (1R) | 90 | 40 | 340 | 7,000          |
| HMB170_L3.41.9MK-AK-2R (1R) | 90 | 40 | 370 | 8,050          |

Plug Connection (optional)

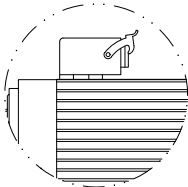


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |             | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|-------------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional    | A (220v)   | A (380v) |
| HMB 170 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220 220/380 | 2,60       | 1,50     |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380 220/380 | 2,40       | 1,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380 220/380 | 2,60       | 1,50     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380 220/380 | 4,00       | 2,30     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380 220/380 | 4,90       | 2,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220 220/380 | 5,70       | 3,30     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380 220/380 | 2,60       | 1,50     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220 220/380 | 10,4       | 6,00     |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380 220/380 | 5,70       | 3,30     |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380 220/380 | 6,40       | 3,60     |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380 220/380 | 9,00       | 5,20     |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380 220/380 | 10,0       | 5,80     |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220 220/380 | 12,5       | 7,20     |

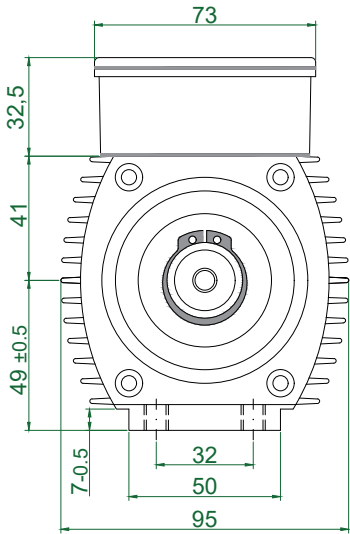
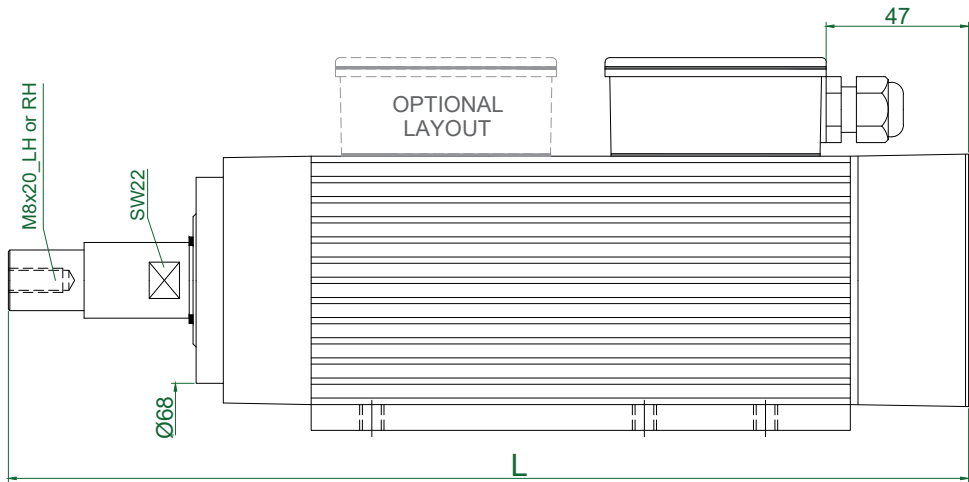
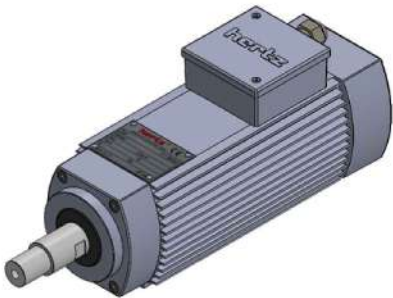
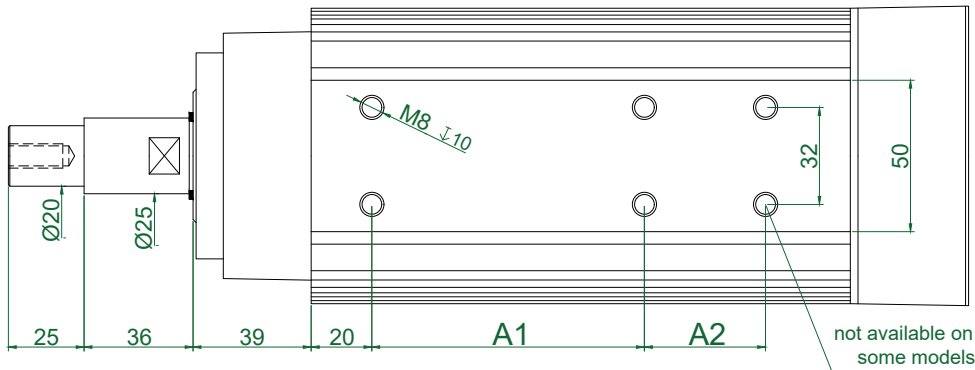


| TYPE                      | A1 | A2 | L   | Apr. Weight Kg |
|---------------------------|----|----|-----|----------------|
| HMB90_L20.18F-AK-2R (1R)  | 90 | -  | 264 | 5,300          |
| HMB100_L20.18F-AK-2R (1R) | 90 | -  | 274 | 5,650          |
| HMB120_L20.18F-AK-2R (1R) | 90 | 40 | 294 | 6,400          |
| HMB140_L20.18F-AK-2R (1R) | 90 | 40 | 314 | 6,950          |
| HMB170_L20.18F-AK-2R (1R) | 90 | 40 | 344 | 8,000          |

Plug Connection (optional)

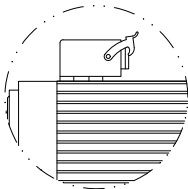


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMB 170 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HMB 90  | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 100 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 120 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HMB 140 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |

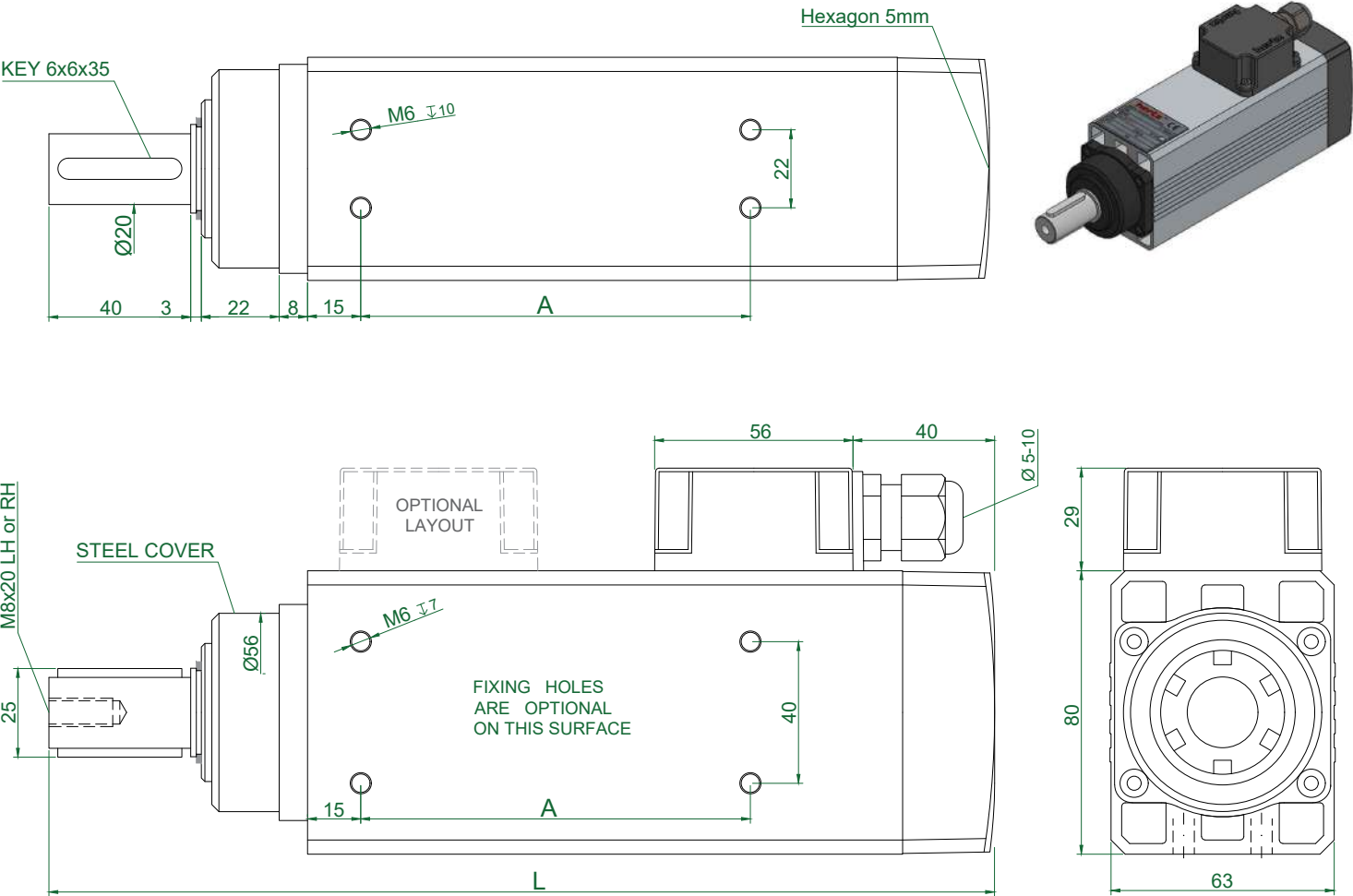


| TYPE                      | A1 | A2 | L   | Apr. Weight<br>Kg |
|---------------------------|----|----|-----|-------------------|
| HMB90_L36.25F-AK-2R (1R)  | 90 | -  | 287 | 5,400             |
| HMB100_L36.25F-AK-2R (1R) | 90 | -  | 297 | 5,750             |
| HMB120_L36.25F-AK-2R (1R) | 90 | 40 | 317 | 6,400             |
| HMB140_L36.25F-AK-2R (1R) | 90 | 40 | 337 | 7,050             |
| HMB170_L36.25F-AK-2R (1R) | 90 | 40 | 367 | 8,100             |

Plug Connection  
(optional)

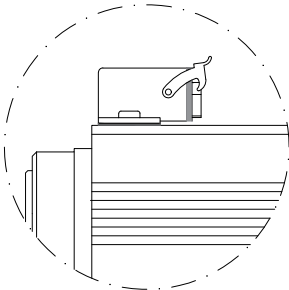


| TYPE      | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|-----------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|           | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM55- 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HM55- 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HM55- 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM55- 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HM55- 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HM55- 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM55- 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HM55- 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HM55- 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |

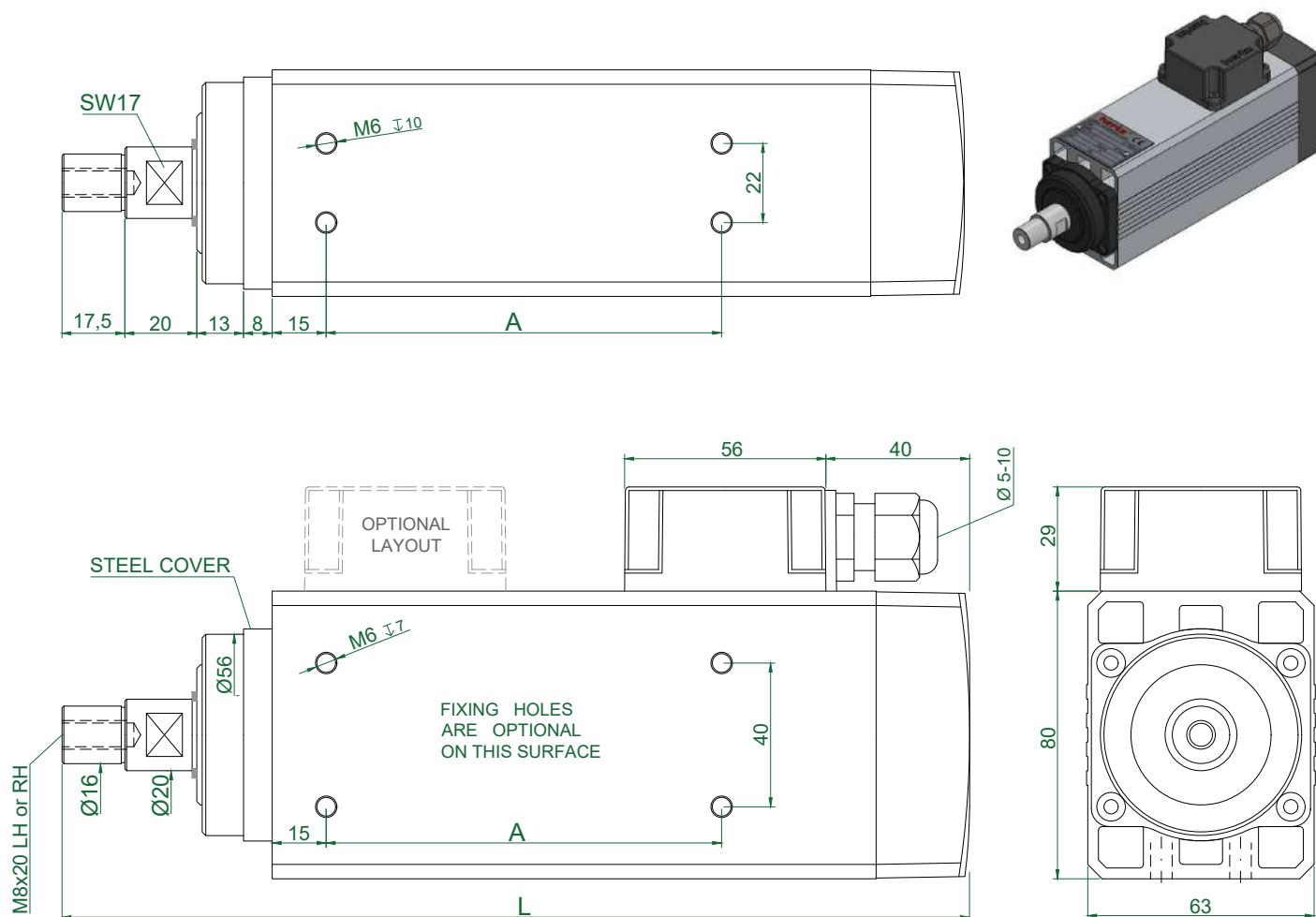


| TYPE                   | A   | L   | Apr. Weight<br>Kg |
|------------------------|-----|-----|-------------------|
| HM55.55_L3.40FK-CK-2R  | 85  | 227 | 3,000             |
| HM55.60_L3.40FK-CK-2R  | 85  | 232 | 3,050             |
| HM55.70_L3.40FK-CK-2R  | 85  | 242 | 3,200             |
| HM55.85_L3.40FK-CK-2R  | 110 | 257 | 3,450             |
| HM55.95_L3.40FK-CK-2R  | 110 | 267 | 3,600             |
| HM55.115_L3.40FK-CK-2R | 110 | 287 | 3,950             |

PLUG CONNECTION  
(OPTIONAL)

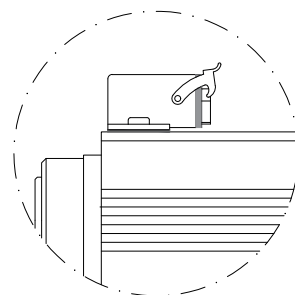


| TYPE      | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|-----------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|           | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM55- 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HM55- 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HM55- 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM55- 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HM55- 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HM55- 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM55- 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HM55- 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HM55- 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |

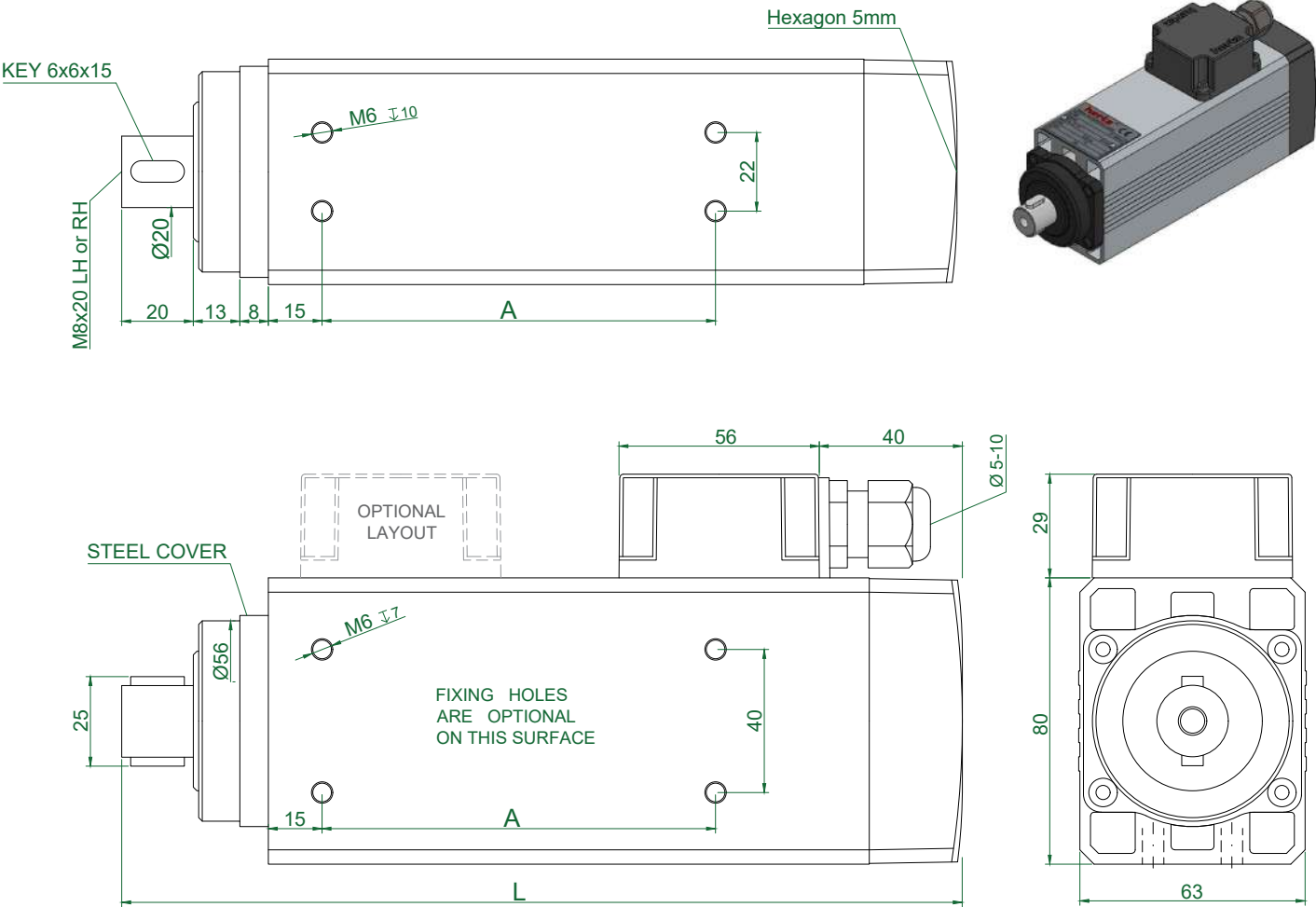


| TYPE                   | A   | L   | Apr. Weight Kg |
|------------------------|-----|-----|----------------|
| HM55.55_L20.18F-CK-1R  | 85  | 213 | 2,500          |
| HM55.60_L20.18F-CK-1R  | 85  | 218 | 2,550          |
| HM55.70_L20.18F-CK-1R  | 85  | 228 | 2,700          |
| HM55.85_L20.18F-CK-1R  | 110 | 243 | 2,950          |
| HM55.95_L20.18F-CK-1R  | 110 | 253 | 3,100          |
| HM55.115_L20.18F-CK-1R | 110 | 273 | 3,450          |

PLUG CONNECTION  
(OPTIONAL)

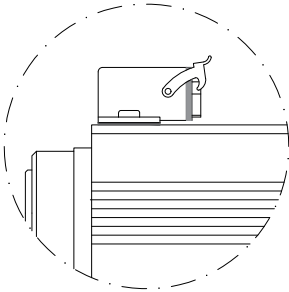


| TYPE      | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|-----------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|           | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM55- 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HM55- 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HM55- 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM55- 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HM55- 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HM55- 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM55- 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HM55- 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HM55- 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |

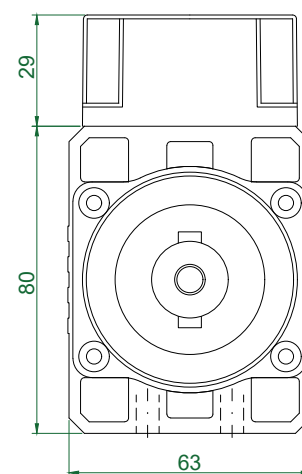
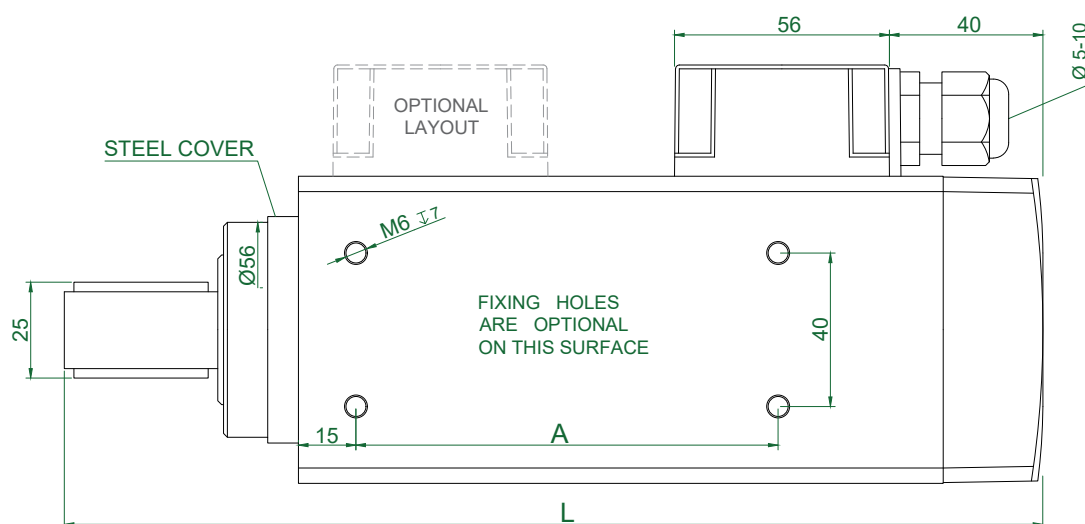
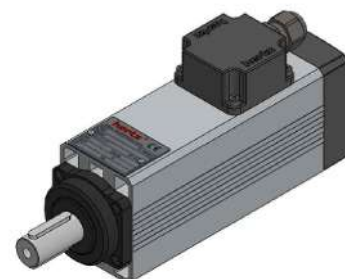
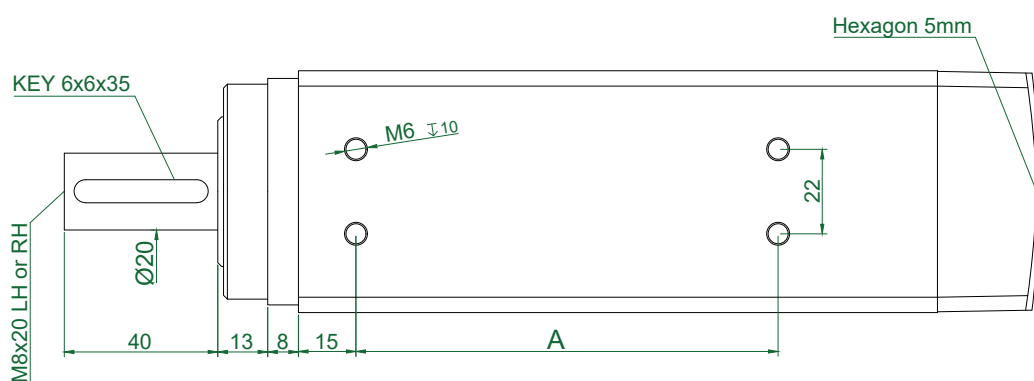


| TYPE                 | A   | L   | Apr. Weight<br>Kg |
|----------------------|-----|-----|-------------------|
| HM55.55_L20FK-CK-1R  | 85  | 195 | 2,450             |
| HM55.60_L20FK-CK-1R  | 85  | 200 | 2,500             |
| HM55.70_L20FK-CK-1R  | 85  | 210 | 2,650             |
| HM55.85_L20FK-CK-1R  | 110 | 225 | 2,900             |
| HM55.95_L20FK-CK-1R  | 110 | 235 | 3,050             |
| HM55.115_L20FK-CK-1R | 110 | 255 | 3,400             |

PLUG CONNECTION  
(OPTIONAL)

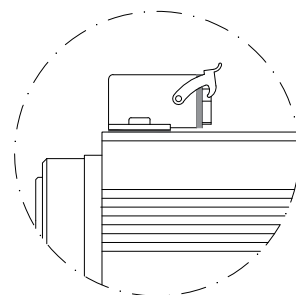


| TYPE      | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbion |          |
|-----------|------------|-------|----------------|------|-----|---------|----------|---------|-----------|----------|
|           | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)  | A (380v) |
| HM55- 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50      | 0,87     |
| HM55- 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90      | 1,10     |
| HM55- 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20      | 1,20     |
| HM55- 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44      | 0,84     |
| HM55- 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50      | 0,87     |
| HM55- 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00      | 1,16     |
| HM55- 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20      | 1,20     |
| HM55- 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60      | 1,50     |
| HM55- 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80      | 2,20     |
| HM55- 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60      | 0,92     |
| HM55- 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90      | 1,10     |
| HM55- 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40      | 1,40     |
| HM55- 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20      | 1,80     |
| HM55- 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70      | 2,20     |
| HM55- 115 | 18000      | 1.10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5.10      | 3.00     |

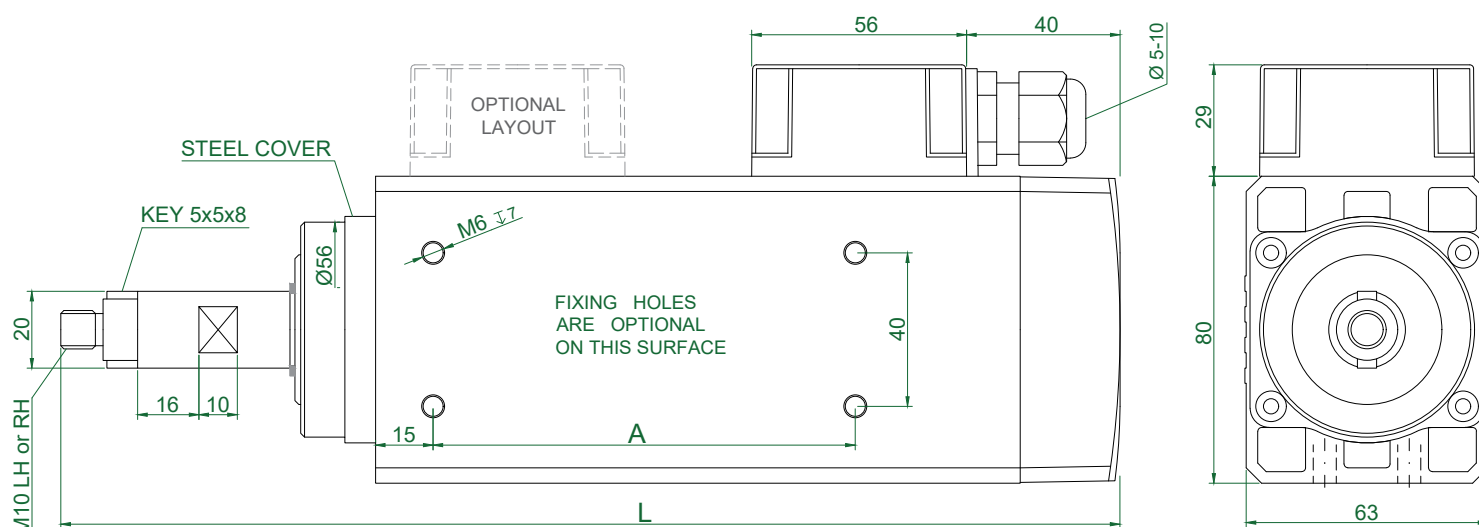
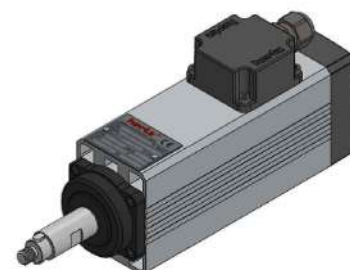
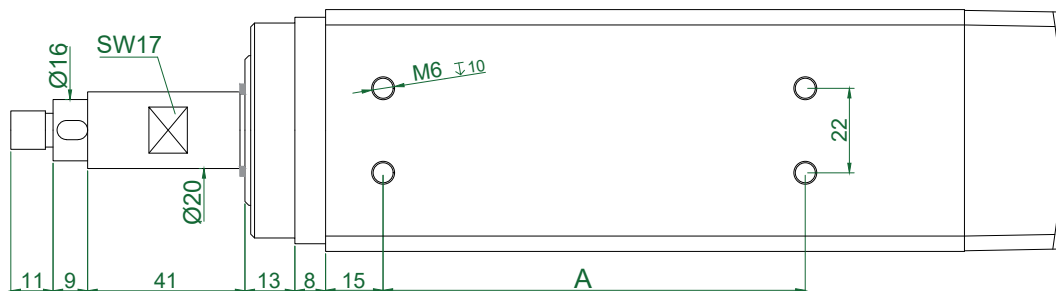


| TYPE                 | A   | L   | Apr. Weight<br>Kg |
|----------------------|-----|-----|-------------------|
| HM55.55_L40FK-CK-1R  | 85  | 215 | 2,500             |
| HM55.60_L40FK-CK-1R  | 85  | 220 | 2,550             |
| HM55.70_L40FK-CK-1R  | 85  | 230 | 2,700             |
| HM55.85_L40FK-CK-1R  | 110 | 245 | 2,950             |
| HM55.95_L40FK-CK-1R  | 110 | 255 | 3,100             |
| HM55.115_L40FK-CK-1R | 110 | 275 | 3,450             |

### PLUG CONNECTION (OPTIONAL)

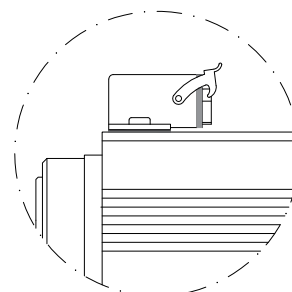


| TYPE      | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|-----------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|           | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM55- 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HM55- 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HM55- 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM55- 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |
| HM55- 55  | 18000      | 0,25  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,60       | 0,92     |
| HM55- 60  | 18000      | 0,27  | 200            | 300  | 360 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 70  | 18000      | 0,45  | 200            | 300  | 360 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM55- 85  | 18000      | 0,55  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,20       | 1,80     |
| HM55- 95  | 18000      | 0,75  | 200            | 300  | 360 | 220     | 380      | 220/380 | 3,70       | 2,20     |
| HM55- 115 | 18000      | 1,10  | 200            | 300  | 360 | 220     | 380      | 220/380 | 5,10       | 3,00     |

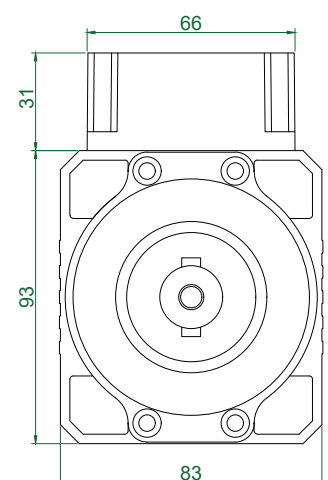
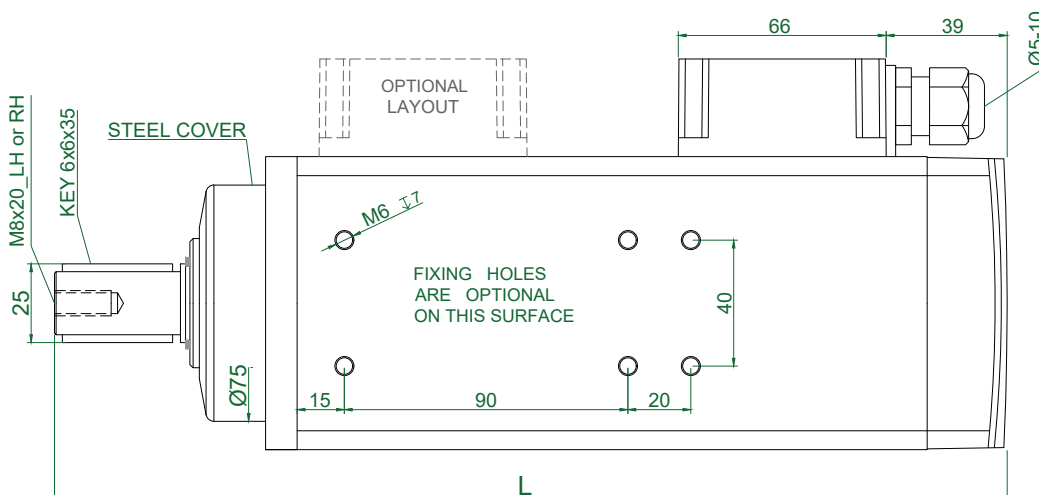
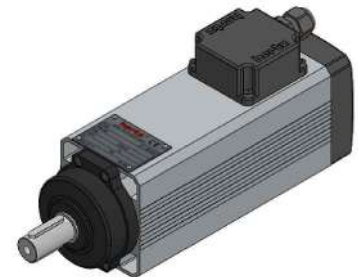
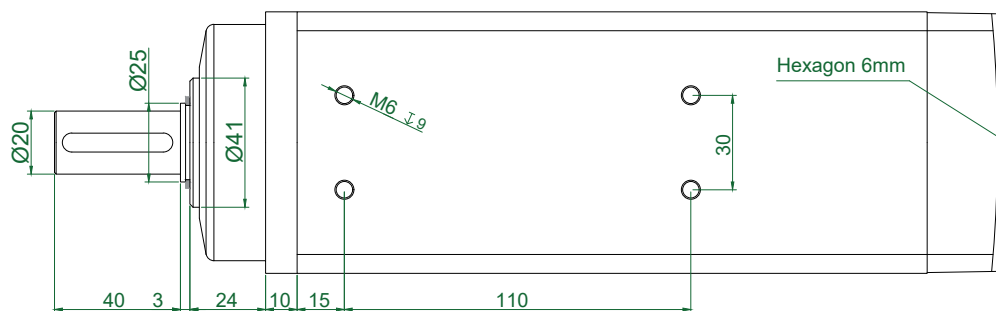


| TYPE                   | A   | L   | Apr. Weight<br>Kg |
|------------------------|-----|-----|-------------------|
| HM55.55_L41.9MK-CK-1R  | 85  | 236 | 2,500             |
| HM55.60_L41.9MK-CK-1R  | 85  | 241 | 2,550             |
| HM55.70_L41.9MK-CK-1R  | 85  | 251 | 2,700             |
| HM55.85_L41.9MK-CK-1R  | 110 | 266 | 2,950             |
| HM55.95_L41.9MK-CK-1R  | 110 | 276 | 3,100             |
| HM55.115_L41.9MK-CK-1R | 110 | 296 | 3,450             |

PLUG CONNECTION  
(OPTIONAL)

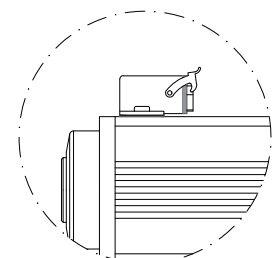


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM73-17 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM73-10 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-12 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-14 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HM73-17 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HM73-09 | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-10 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-12 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HM73-14 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |

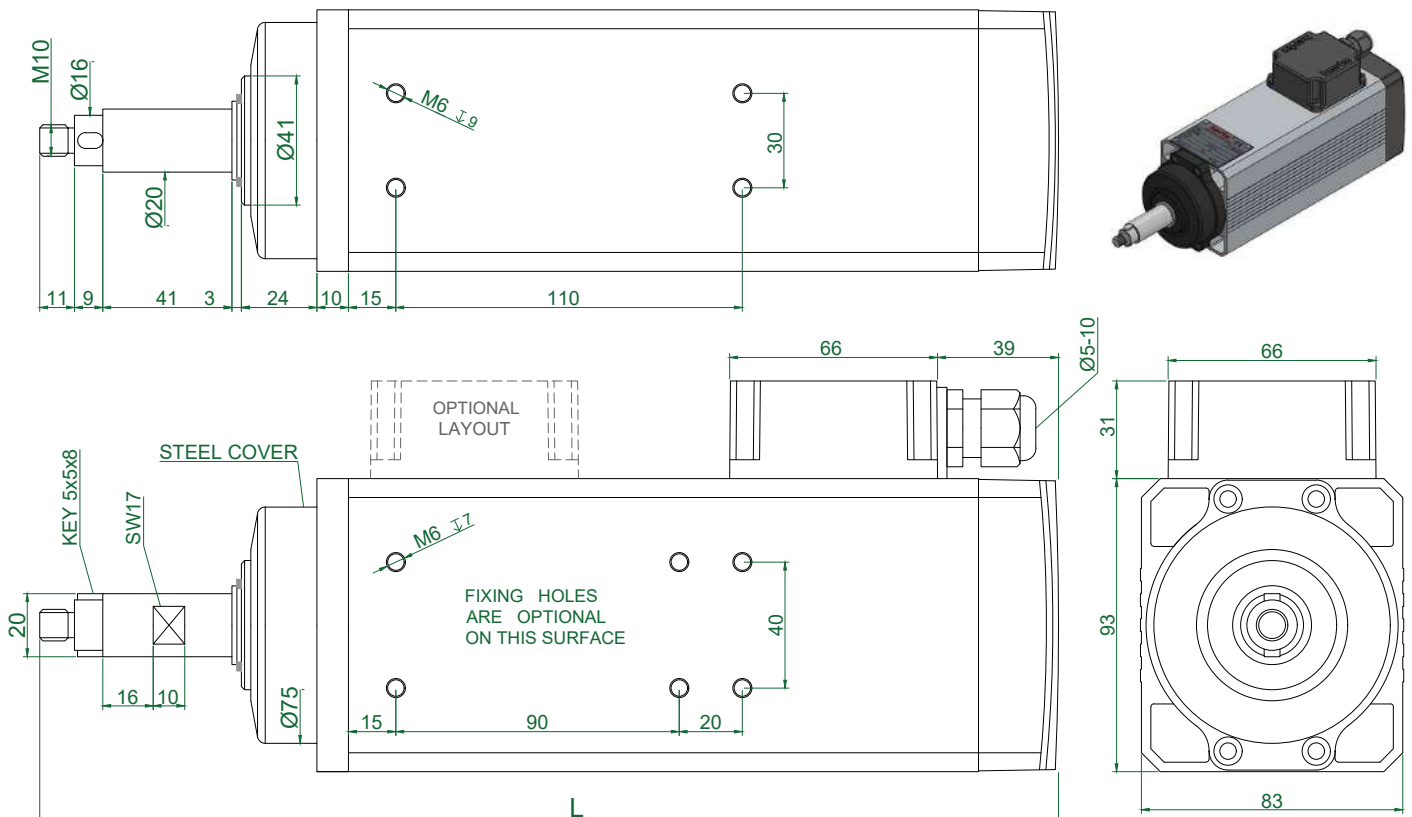


| TYPE                  | L   | Apr. Weight Kg |
|-----------------------|-----|----------------|
| HM73.09_L3.40FK-CK-2R | 273 | 5,750          |
| HM73.10_L3.40FK-CK-2R | 283 | 6,050          |
| HM73.12_L3.40FK-CK-2R | 303 | 6,700          |
| HM73.14_L3.40FK-CK-2R | 323 | 7,250          |
| HM73.17_L3.40FK-CK-2R | 353 | 8,250          |

PLUG CONNECTION (OPTIONAL)

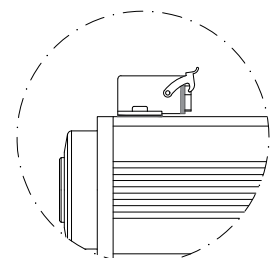


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM73-17 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM73-10 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-12 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-14 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HM73-17 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HM73-09 | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-10 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-12 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HM73-14 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |

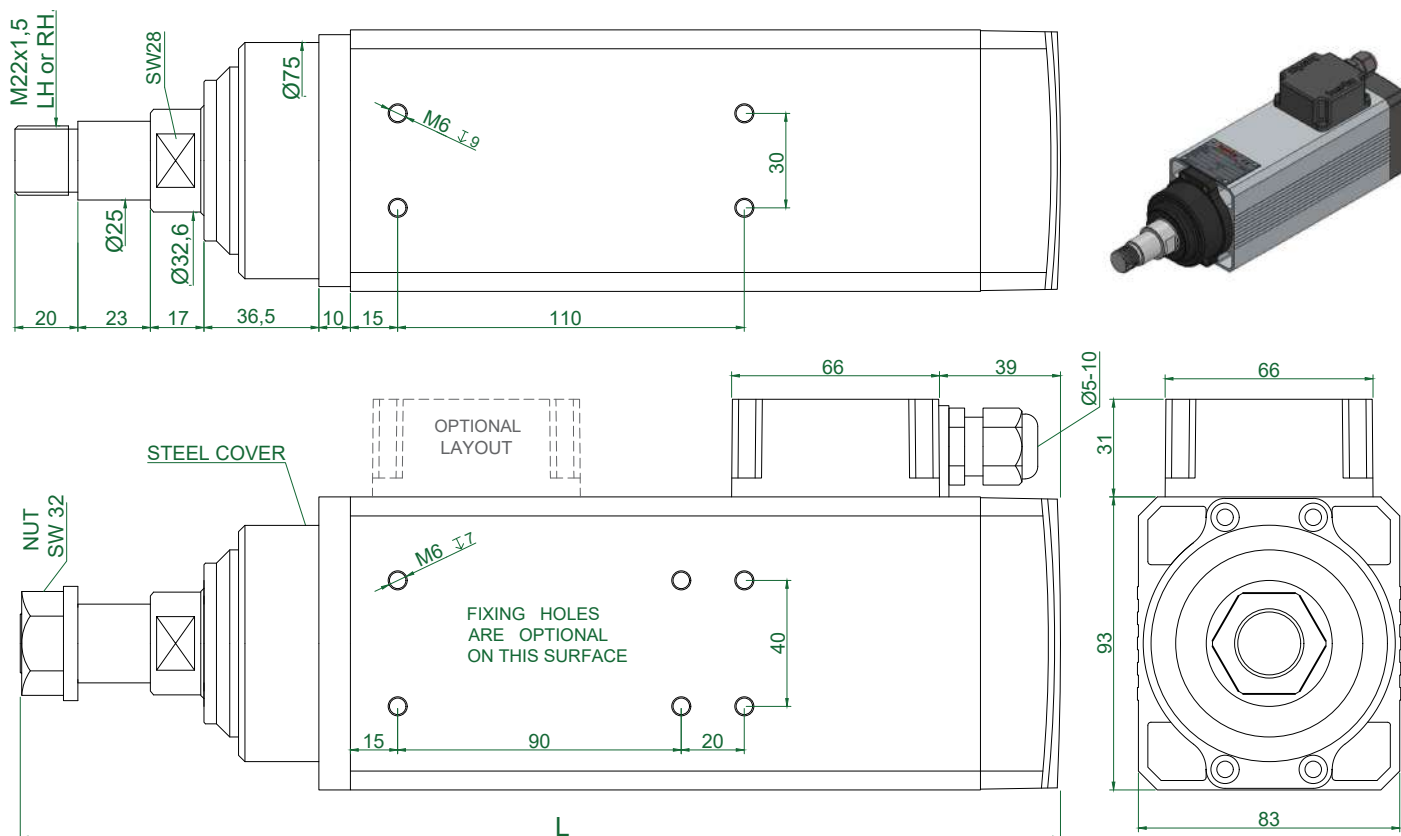


| TYPE                    | L   | Apr. Weight Kg |
|-------------------------|-----|----------------|
| HM73.09_L3.41.9MK-CK-2R | 294 | 5,800          |
| HM73.10_L3.41.9MK-CK-2R | 304 | 6,100          |
| HM73.12_L3.41.9MK-CK-2R | 324 | 6,750          |
| HM73.14_L3.41.9MK-CK-2R | 344 | 7,300          |
| HM73.17_L3.41.9MK-CK-2R | 374 | 8,300          |

PLUG CONNECTION  
(OPTIONAL)

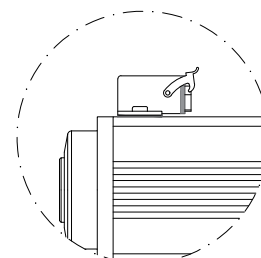


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM73-17 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM73-10 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-12 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-14 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HM73-17 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HM73-09 | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-10 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-12 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HM73-14 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |

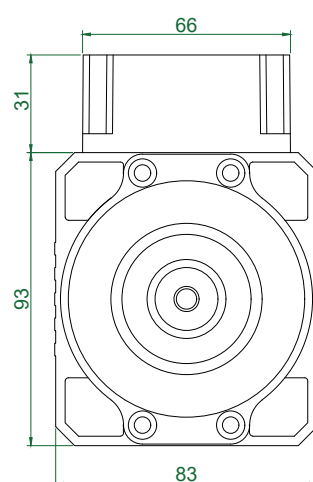
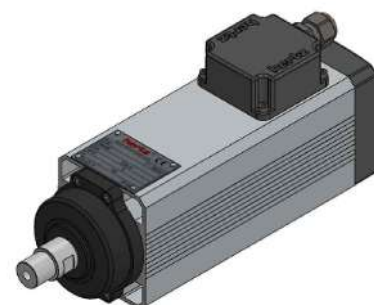
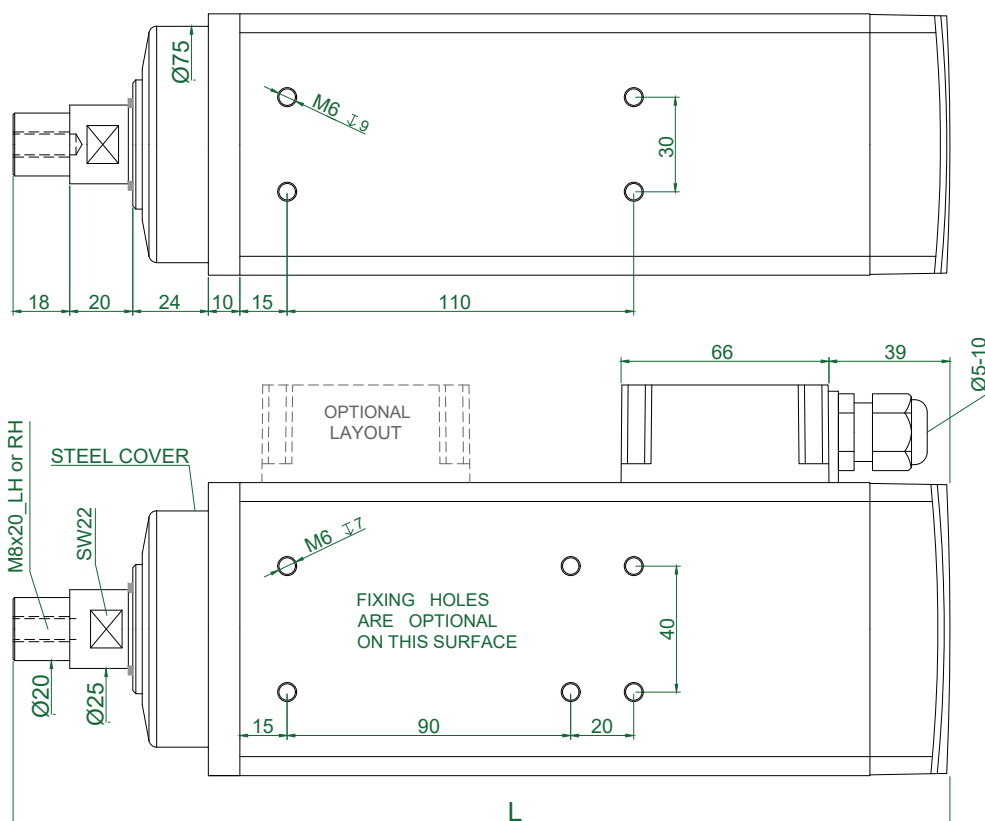


| TYPE                  | L   | Apr. Weight Kg |
|-----------------------|-----|----------------|
| HM73.09_L17.23M-CK-2R | 250 | 6,500          |
| HM73.10_L17.23M-CK-2R | 260 | 6,800          |
| HM73.12_L17.23M-CK-2R | 280 | 7,450          |
| HM73.14_L17.23M-CK-2R | 300 | 8,000          |
| HM73.17_L17.23M-CK-2R | 330 | 9,000          |

PLUG CONNECTION  
(OPTIONAL)

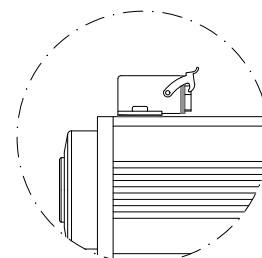


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM73-17 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM73-10 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-12 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-14 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HM73-17 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HM73-09 | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-10 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-12 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HM73-14 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |

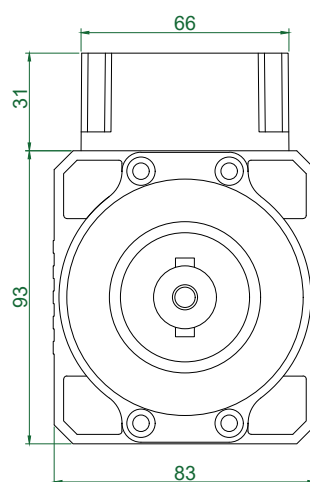
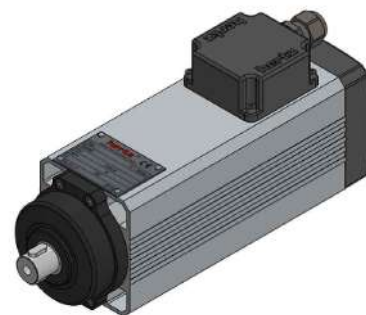
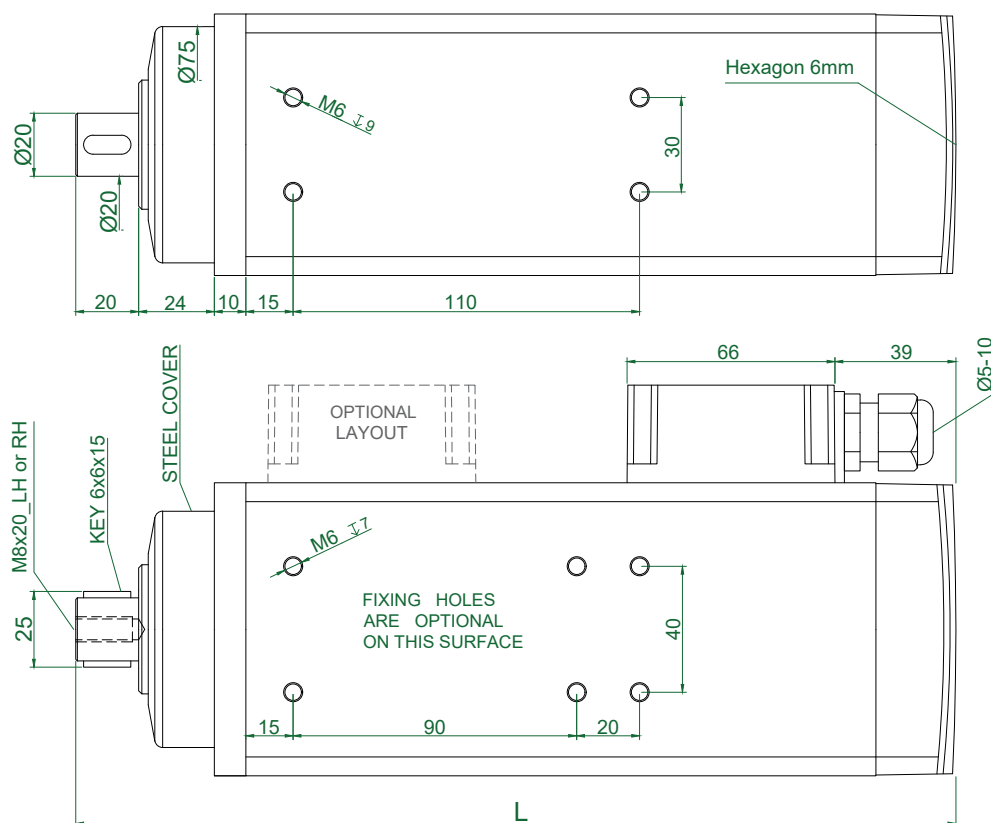


| TYPE                  | L   | Apr. Weight Kg |
|-----------------------|-----|----------------|
| HM73.09_L20.18F-CK-2R | 268 | 5,750          |
| HM73.10_L20.18F-CK-2R | 278 | 6,050          |
| HM73.12_L20.18F-CK-2R | 298 | 6,700          |
| HM73.14_L20.18F-CK-2R | 318 | 7,250          |
| HM73.17_L20.18F-CK-2R | 348 | 8,250          |

PLUG CONNECTION  
(OPTIONAL)

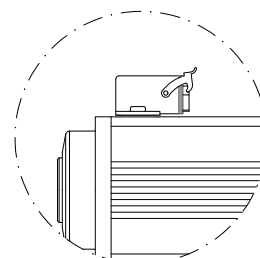


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM73-17 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM73-10 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-12 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-14 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HM73-17 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HM73-09 | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-10 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-12 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HM73-14 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |

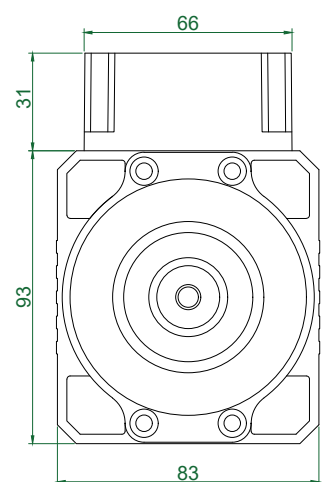
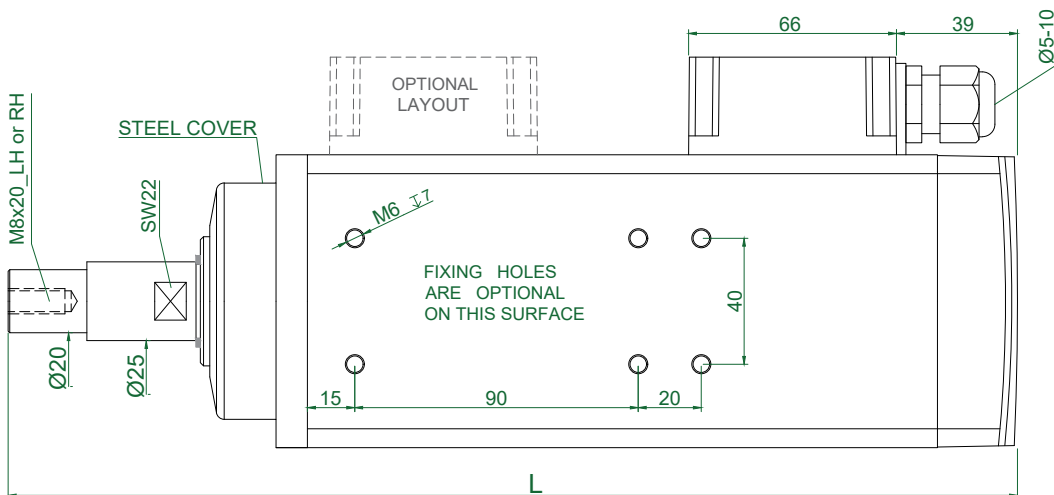
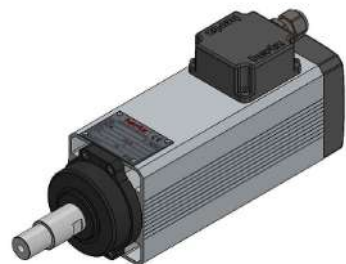
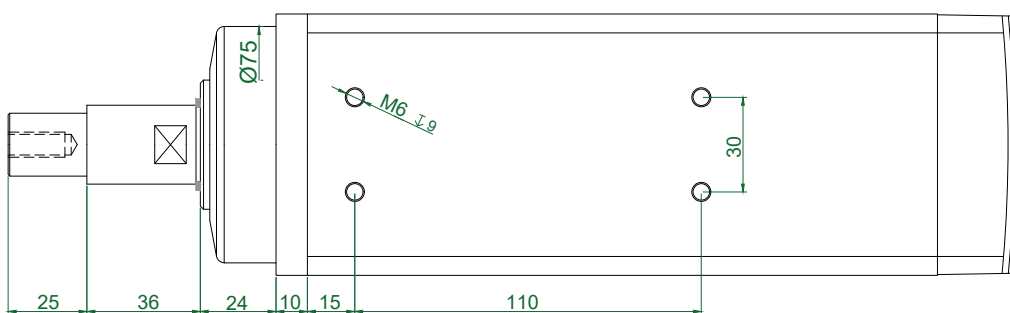


| TYPE                | L   | Apr. Weight Kg |
|---------------------|-----|----------------|
| HM73.09_L20FK-CK-2R | 250 | 5,700          |
| HM73.10_L20FK-CK-2R | 260 | 6,000          |
| HM73.12_L20FK-CK-2R | 280 | 6,650          |
| HM73.14_L20FK-CK-2R | 300 | 7,200          |
| HM73.17_L20FK-CK-2R | 330 | 8,200          |

PLUG CONNECTION  
(OPTIONAL)

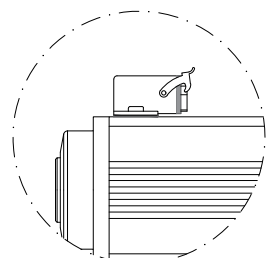


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM73-17 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM73-10 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-12 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-14 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HM73-17 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |
| HM73-09 | 18000      | 1,10  | 170            | 300  | 340 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-10 | 18000      | 1,50  | 170            | 300  | 340 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-12 | 18000      | 2,00  | 170            | 300  | 340 | 220     | 380      | 220/380 | 9,00       | 5,20     |
| HM73-14 | 18000      | 2,20  | 170            | 300  | 340 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 18000      | 3,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 12,5       | 7,20     |

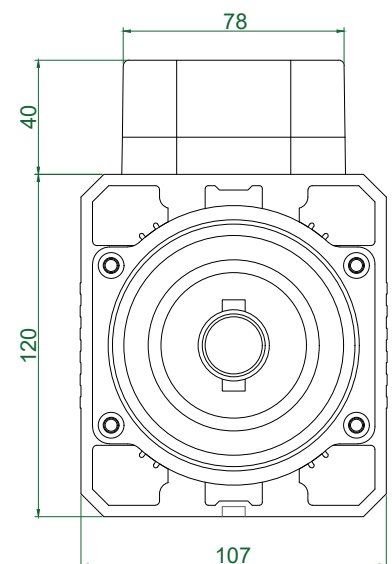
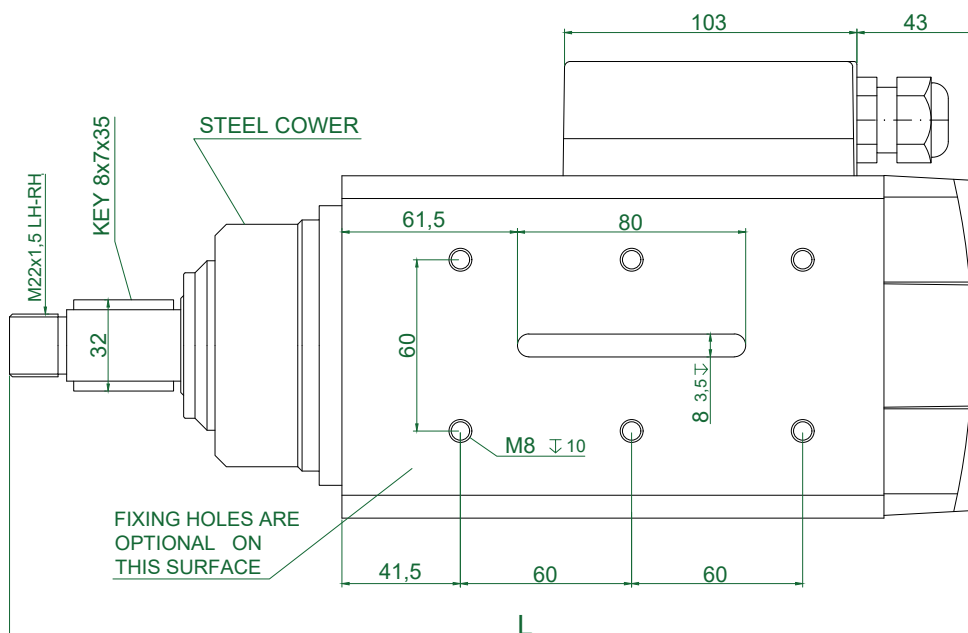
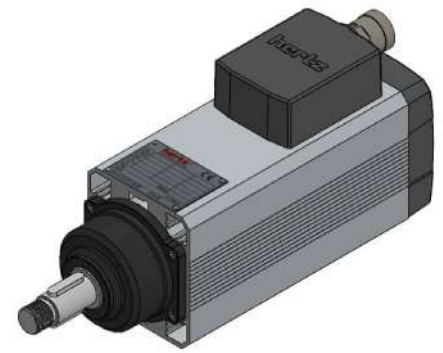
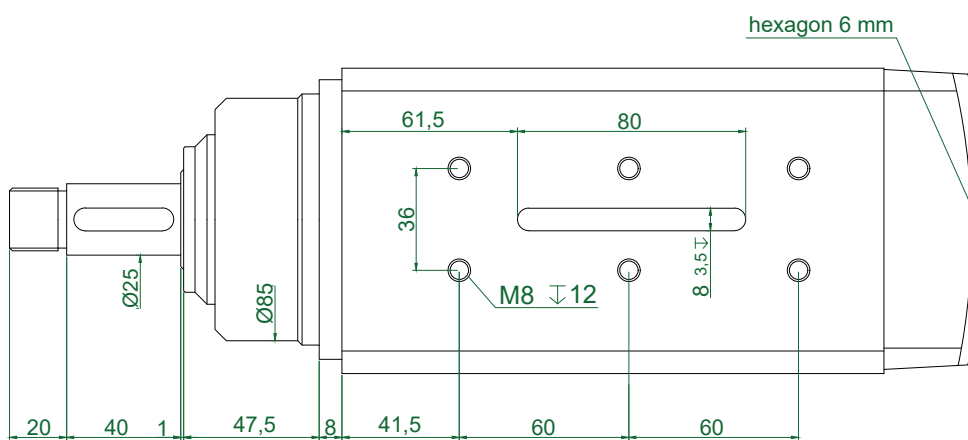


| TYPE                  | L   | Apr. Weight Kg |
|-----------------------|-----|----------------|
| HM73.09_L36.25F-CK-2R | 291 | 5,850          |
| HM73.10_L36.25F-CK-2R | 301 | 6,150          |
| HM73.12_L36.25F-CK-2R | 321 | 6,800          |
| HM73.14_L36.25F-CK-2R | 341 | 7,350          |
| HM73.17_L36.25F-CK-2R | 371 | 8,350          |

PLUG CONNECTION  
(OPTIONAL)

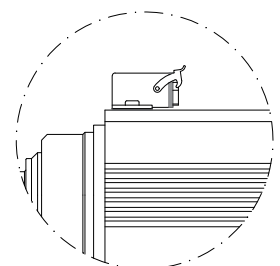


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|-----------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)  | A (380v) |
| HM90-10 | 3000       | 1,00  | 40             | 50   | 75  | 380     | 220      | 220/380 | 4,90      | 2,90     |
| HM90-14 | 3000       | 1,35  | 40             | 50   | 75  | 380     | 220      | 220/380 | 5,90      | 3,30     |
| HM90-17 | 3000       | 1,50  | 40             | 50   | 75  | 380     | 220      | 220/380 | 6,50      | 3,80     |
| HM90-10 | 6000       | 2,20  | 70             | 100  | 180 | 220     | 380      | 220/380 | 9,50      | 5,50     |
| HM90-14 | 6000       | 3,50  | 70             | 100  | 180 | 380     | 220      | 220/380 | 13,0      | 7,50     |
| HM90-17 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380 | 16,4      | 9,50     |
| HM90-10 | 12000      | 3,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 13,00     | 7,50     |
| HM90-14 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380 | 16,40     | 9,50     |
| HM90-14 | 12000      | 4,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 18,0      | 9,90     |
| HM90-17 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 19,8      | 11,4     |
| HM90-10 | 18000      | 4,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 16,4      | 9,50     |
| HM90-10 | 18000      | 4,50  | 170            | 300  | 340 | 380     | 220      | 220/380 | 18,0      | 9,90     |
| HM90-14 | 18000      | 5,50  | 170            | 300  | 340 | 380     | 220      | 220/380 | 19,8      | 11,4     |
| HM90-14 | 18000      | 6,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 21,0      | 12,4     |
| HM90-17 | 18000      | 7,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 25,0      | 14,5     |

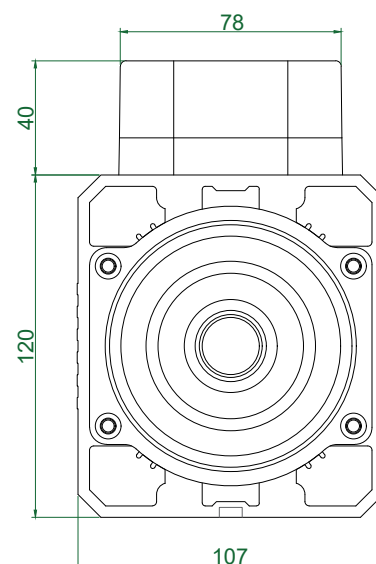
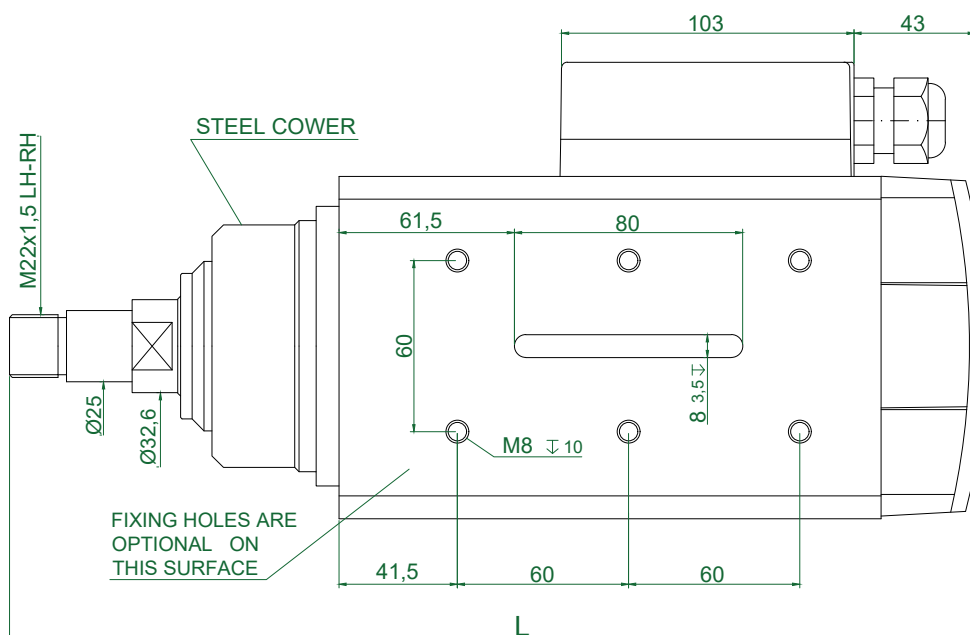
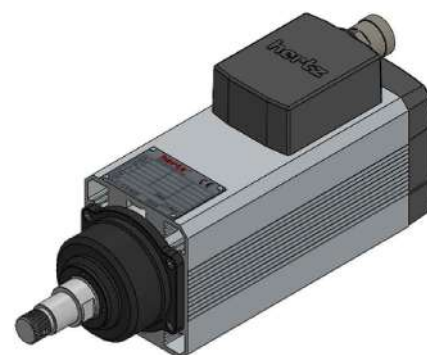
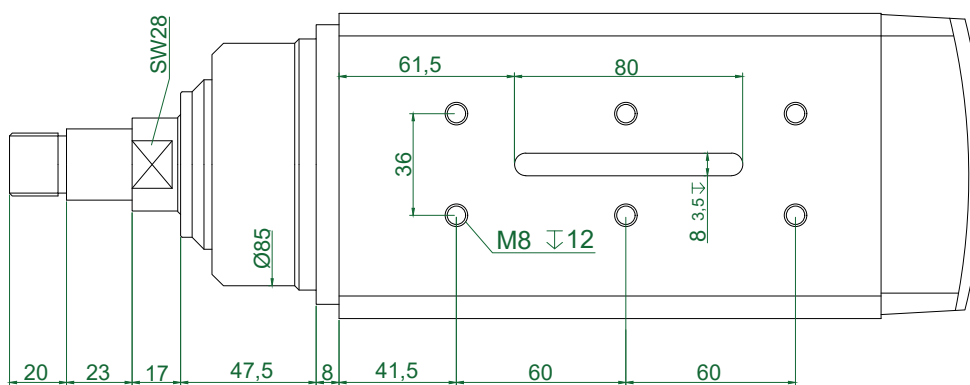


| TYPE                  | L   | Apr. Weight<br>Kg |
|-----------------------|-----|-------------------|
| HM90.10_L1.40MK-CK-2R | 340 | 11,450            |
| HM90.10_L1.40MK-CK-2R | 380 | 13,550            |
| HM90.10_L1.40MK-CK-2R | 410 | 15,100            |

PLUG CONNECTION  
(optional)

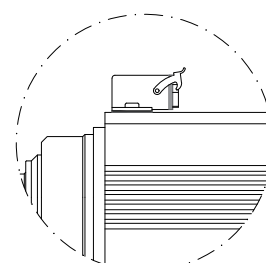


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v)   | A (380v) |
| HM90-10 | 3000       | 1,00  | 40             | 50   | 75  | 380     | 220      | 220/380    | 4,90     |
| HM90-14 | 3000       | 1,35  | 40             | 50   | 75  | 380     | 220      | 220/380    | 5,90     |
| HM90-17 | 3000       | 1,50  | 40             | 50   | 75  | 380     | 220      | 220/380    | 6,50     |
| HM90-10 | 6000       | 2,20  | 70             | 100  | 180 | 220     | 380      | 220/380    | 9,50     |
| HM90-14 | 6000       | 3,50  | 70             | 100  | 180 | 380     | 220      | 220/380    | 13,0     |
| HM90-17 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380    | 16,4     |
| HM90-10 | 12000      | 3,50  | 150            | 200  | 300 | 380     | 220      | 220/380    | 13,00    |
| HM90-14 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380    | 16,40    |
| HM90-14 | 12000      | 4,50  | 150            | 200  | 300 | 380     | 220      | 220/380    | 18,0     |
| HM90-17 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380    | 19,8     |
| HM90-10 | 18000      | 4,00  | 170            | 300  | 340 | 380     | 220      | 220/380    | 16,4     |
| HM90-10 | 18000      | 4,50  | 170            | 300  | 340 | 380     | 220      | 220/380    | 18,0     |
| HM90-14 | 18000      | 5,50  | 170            | 300  | 340 | 380     | 220      | 220/380    | 19,8     |
| HM90-14 | 18000      | 6,00  | 170            | 300  | 340 | 380     | 220      | 220/380    | 21,0     |
| HM90-17 | 18000      | 7,00  | 170            | 300  | 340 | 380     | 220      | 220/380    | 25,0     |

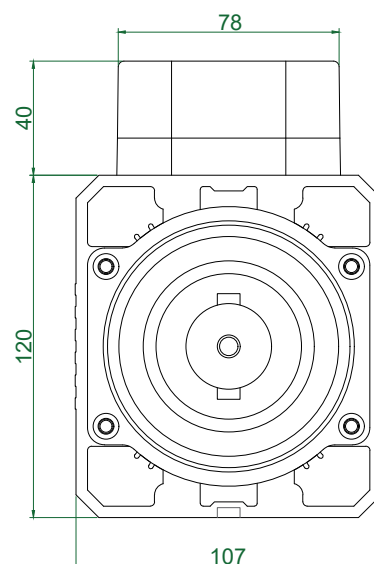
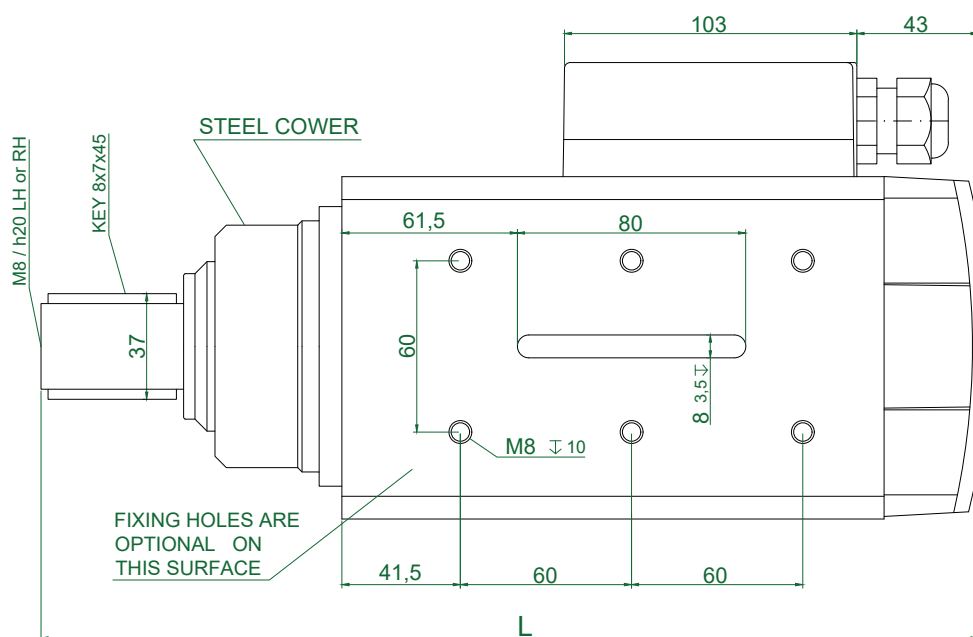
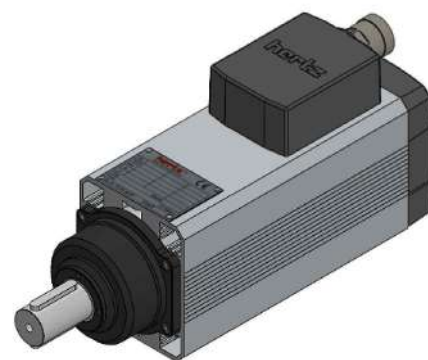
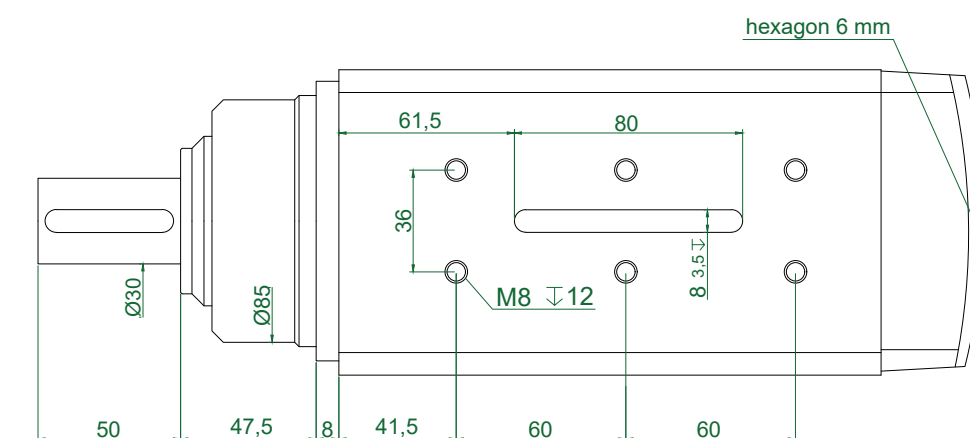


| TYPE                  | L   | Apr. Weight Kg |
|-----------------------|-----|----------------|
| HM90.10_L17.23M-CK-2R | 339 | 11,450         |
| HM90.14_L17.23M-CK-2R | 379 | 13,600         |
| HM90.17_L17.23M-CK-2R | 409 | 15,100         |

PLUG CONNECTION (optional)

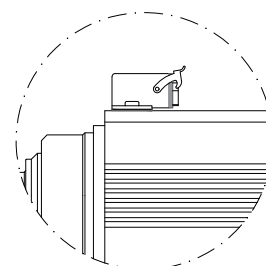


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|-----------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)  | A (380v) |
| HM90-10 | 3000       | 1,00  | 40             | 50   | 75  | 380     | 220      | 220/380 | 4,90      | 2,90     |
| HM90-14 | 3000       | 1,35  | 40             | 50   | 75  | 380     | 220      | 220/380 | 5,90      | 3,30     |
| HM90-17 | 3000       | 1,50  | 40             | 50   | 75  | 380     | 220      | 220/380 | 6,50      | 3,80     |
| HM90-10 | 6000       | 2,20  | 70             | 100  | 180 | 220     | 380      | 220/380 | 9,50      | 5,50     |
| HM90-14 | 6000       | 3,50  | 70             | 100  | 180 | 380     | 220      | 220/380 | 13,0      | 7,50     |
| HM90-17 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380 | 16,4      | 9,50     |
| HM90-10 | 12000      | 3,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 13,00     | 7,50     |
| HM90-14 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380 | 16,40     | 9,50     |
| HM90-14 | 12000      | 4,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 18,0      | 9,90     |
| HM90-17 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 19,8      | 11,4     |
| HM90-10 | 18000      | 4,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 16,4      | 9,50     |
| HM90-10 | 18000      | 4,50  | 170            | 300  | 340 | 380     | 220      | 220/380 | 18,0      | 9,90     |
| HM90-14 | 18000      | 5,50  | 170            | 300  | 340 | 380     | 220      | 220/380 | 19,8      | 11,4     |
| HM90-14 | 18000      | 6,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 21,0      | 12,4     |
| HM90-17 | 18000      | 7,00  | 170            | 300  | 340 | 380     | 220      | 220/380 | 25,0      | 14,5     |

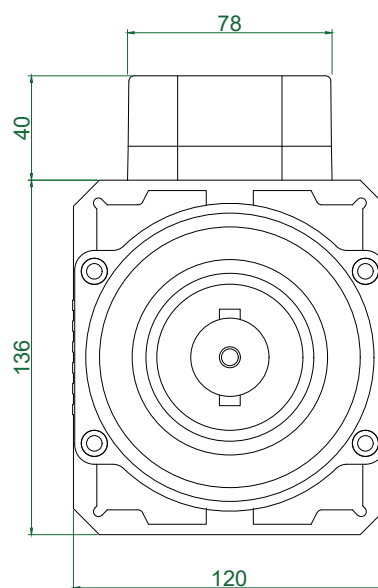
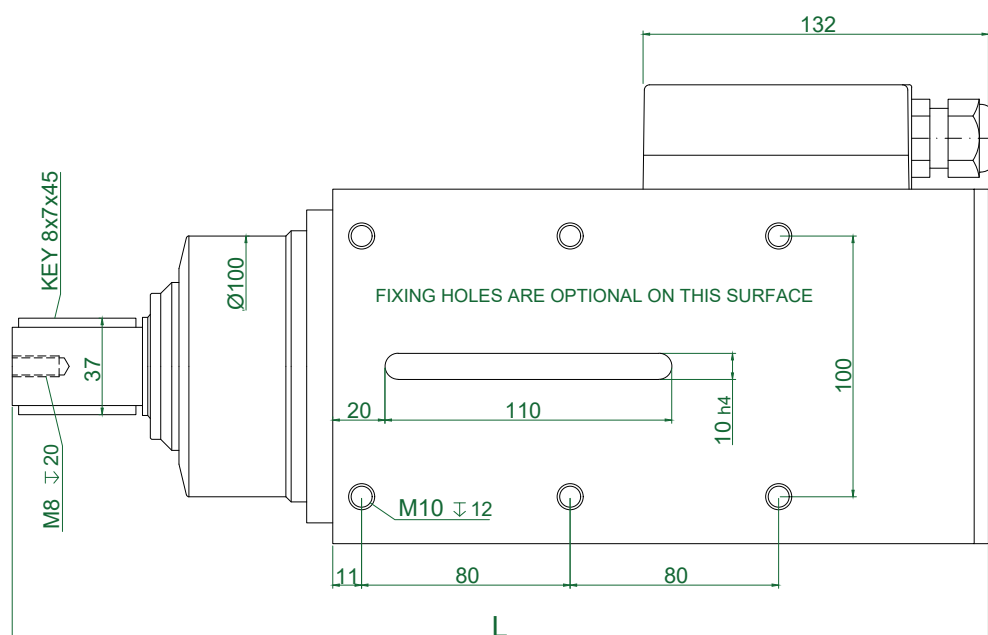
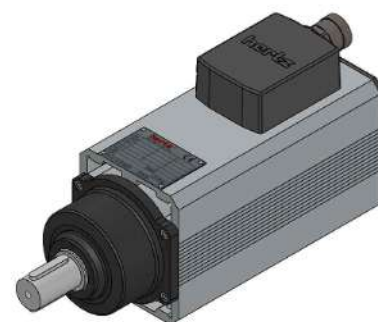
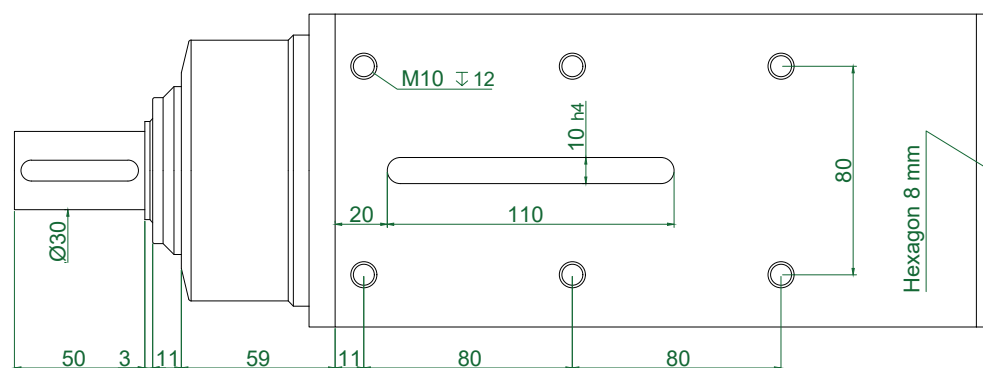


| TYPE                | L   | Apr. Weight<br>Kg |
|---------------------|-----|-------------------|
| HM90.10_L50FK-CK-2R | 329 | 11,400            |
| HM90.14_L50FK-CK-2R | 369 | 13,550            |
| HM90.17_L50FK-CK-2R | 399 | 15,000            |

PLUG CONNECTION  
(optional)

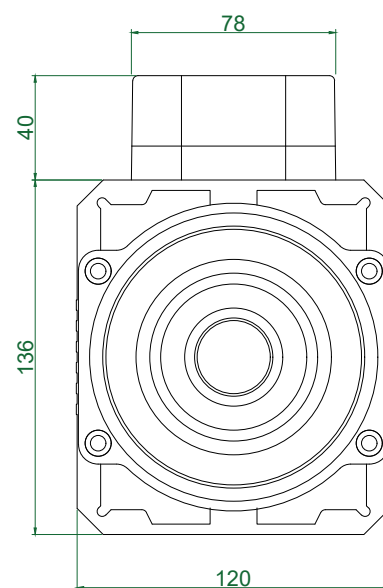
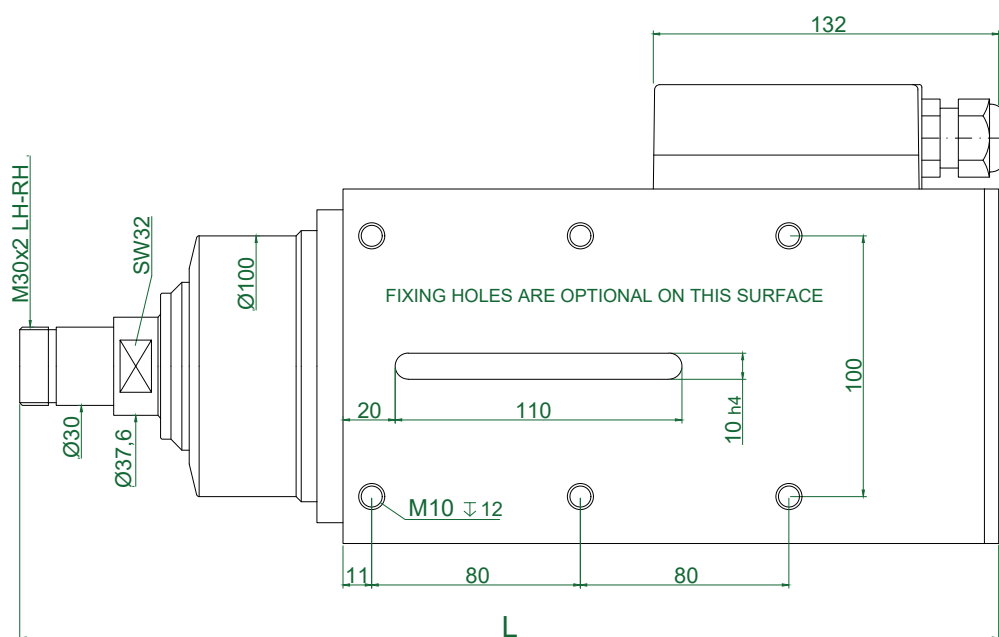
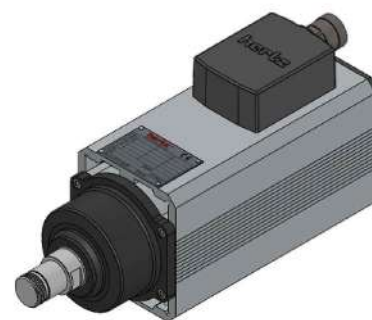
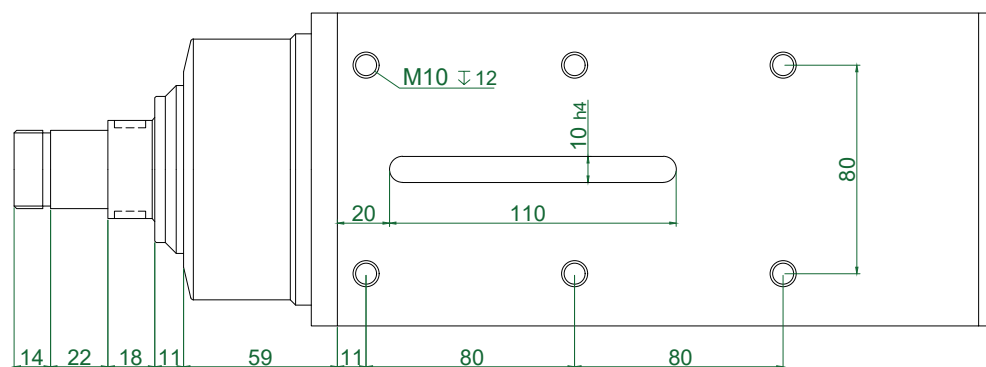


| TYPE     | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |          | Absorbion |       |
|----------|------------|-------|----------------|------|-----|---------|----------|----------|-----------|-------|
|          | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v) | A (380v)  |       |
| HM110-10 | 3000       | 2,20  | 40             | 50   | 75  | 220     | 380      | 220/380  | 9,50      | 5,50  |
| HM110-12 | 3000       | 3,00  | 40             | 50   | 75  | 380     | 220      | 220/380  | 12,5      | 7,20  |
| HM110-10 | 6000       | 3,00  | 140            | 200  | 360 | 380     | 220      | 220/380  | 12,5      | 7,20  |
| HM110-10 | 6000       | 3,00  | 70             | 100  | 180 | 380     | 220      | 220/380  | 12,5      | 7,20  |
| HM110-10 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380  | 16,4      | 9,50  |
| HM110-10 | 6000       | 4,00  | 70             | 100  | 180 | 380     | 220      | 220/380  | 16,4      | 9,50  |
| HM110-12 | 6000       | 5,50  | 140            | 200  | 360 | 380     | 220      | 220/380  | 19,8      | 11,40 |
| HM110-12 | 6000       | 5,50  | 70             | 100  | 180 | 380     | 220      | 220/380  | 19,8      | 11,40 |
| HM110-10 | 12000      | 4,00  | 300            | 400  | 600 | 380     | 220      | 220/380  | 16,4      | 9,50  |
| HM110-10 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380  | 16,4      | 9,50  |
| HM110-10 | 12000      | 5,50  | 300            | 400  | 600 | 380     | 220      | 220/380  | 19,8      | 11,40 |
| HM110-10 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 19,8      | 11,40 |
| HM110-12 | 12000      | 7,50  | 300            | 400  | 600 | 380     | 220      | 220/380  | 28,7      | 16,6  |
| HM110-12 | 12000      | 7,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 28,7      | 16,6  |
| HM110-10 | 18000      | 7,50  | 340            | 600  | 680 | 380     | 220      | 220/380  | 28,7      | 16,6  |
| HM110-10 | 18000      | 7,50  | 170            | 300  | 340 | 380     | 220      | 220/380  | 28,7      | 16,6  |
| HM110-12 | 18000      | 9,00  | 340            | 600  | 680 | 380     | 220      | 220/380  | 34,5      | 20,0  |
| HM110-12 | 18000      | 9,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 34,5      | 20,0  |



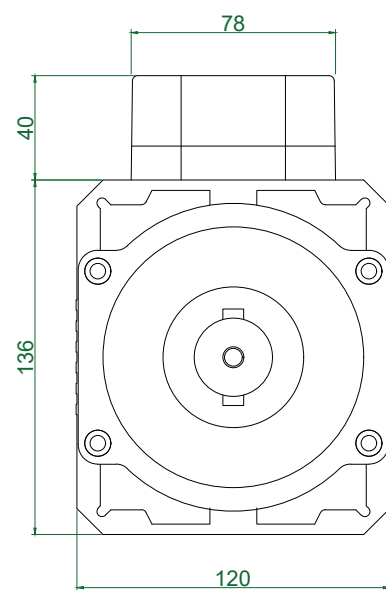
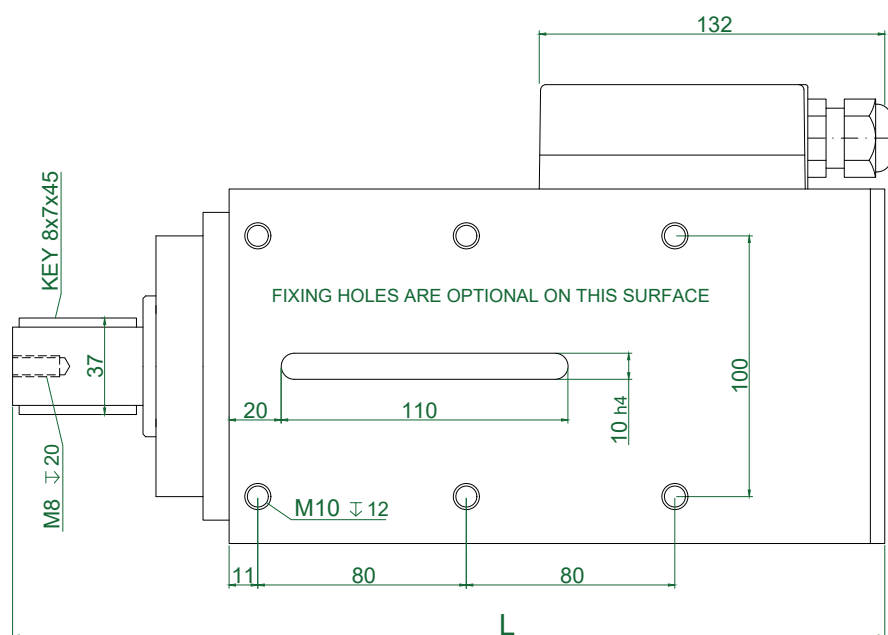
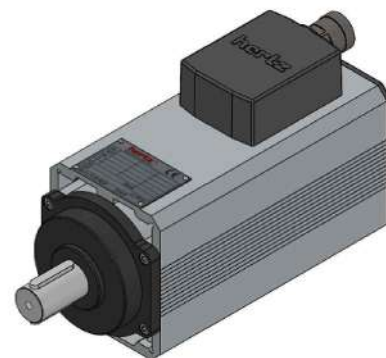
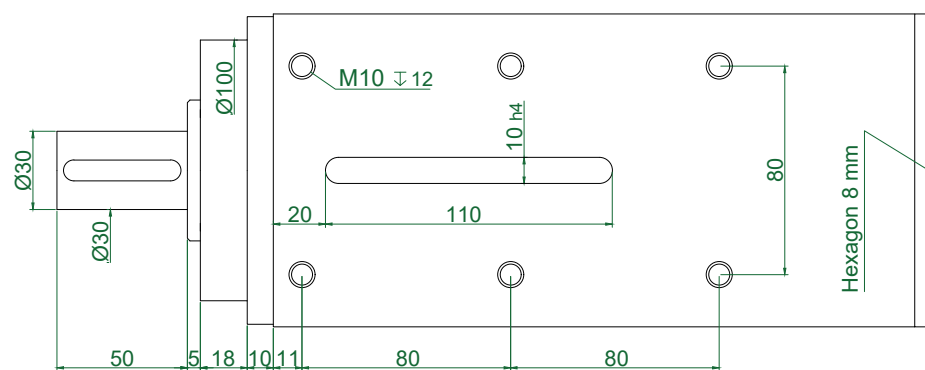
| TYPE                   | L   | Apr. Weight Kg |
|------------------------|-----|----------------|
| HM110.10_L3.50FK-CK-2R | 355 | 16,900         |
| HM110.12_L3.50FK-CK-2R | 375 | 18,200         |

| TYPE     | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          | Absorption |          |
|----------|------------|-------|----------------|------|-----|---------|----------|------------|----------|
|          | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v)   | A (380v) |
| HM110-10 | 3000       | 2,20  | 40             | 50   | 75  | 220     | 380      | 9,50       | 5,50     |
| HM110-12 | 3000       | 3,00  | 40             | 50   | 75  | 380     | 220      | 12,5       | 7,20     |
| HM110-10 | 6000       | 3,00  | 140            | 200  | 360 | 380     | 220      | 12,5       | 7,20     |
| HM110-10 | 6000       | 3,00  | 70             | 100  | 180 | 380     | 220      | 12,5       | 7,20     |
| HM110-10 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 16,4       | 9,50     |
| HM110-10 | 6000       | 4,00  | 70             | 100  | 180 | 380     | 220      | 16,4       | 9,50     |
| HM110-12 | 6000       | 5,50  | 140            | 200  | 360 | 380     | 220      | 19,8       | 11,40    |
| HM110-12 | 6000       | 5,50  | 70             | 100  | 180 | 380     | 220      | 19,8       | 11,40    |
| HM110-10 | 12000      | 4,00  | 300            | 400  | 600 | 380     | 220      | 16,4       | 9,50     |
| HM110-10 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 16,4       | 9,50     |
| HM110-10 | 12000      | 5,50  | 300            | 400  | 600 | 380     | 220      | 19,8       | 11,40    |
| HM110-10 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 19,8       | 11,40    |
| HM110-12 | 12000      | 7,50  | 300            | 400  | 600 | 380     | 220      | 28,7       | 16,6     |
| HM110-12 | 12000      | 7,50  | 150            | 200  | 300 | 380     | 220      | 28,7       | 16,6     |
| HM110-10 | 18000      | 7,50  | 340            | 600  | 680 | 380     | 220      | 28,7       | 16,6     |
| HM110-10 | 18000      | 7,50  | 170            | 300  | 340 | 380     | 220      | 28,7       | 16,6     |
| HM110-12 | 18000      | 9,00  | 340            | 600  | 680 | 380     | 220      | 34,5       | 20,0     |
| HM110-12 | 18000      | 9,00  | 170            | 300  | 340 | 380     | 220      | 34,5       | 20,0     |



| TYPE                   | L   | Apr. Weight Kg |
|------------------------|-----|----------------|
| HM110.10_L18.22M-CK-2R | 362 | 17,000         |
| HM110.12_L18.22M-CK-2R | 382 | 18,300         |

| TYPE     | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |          | Absorbtion |       |
|----------|------------|-------|----------------|------|-----|---------|----------|----------|------------|-------|
|          | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v) | A (380v)   |       |
| HM110-10 | 3000       | 2,20  | 40             | 50   | 75  | 220     | 380      | 220/380  | 9,50       | 5,50  |
| HM110-12 | 3000       | 3,00  | 40             | 50   | 75  | 380     | 220      | 220/380  | 12,5       | 7,20  |
| HM110-10 | 6000       | 3,00  | 140            | 200  | 360 | 380     | 220      | 220/380  | 12,5       | 7,20  |
| HM110-10 | 6000       | 3,00  | 70             | 100  | 180 | 380     | 220      | 220/380  | 12,5       | 7,20  |
| HM110-10 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380  | 16,4       | 9,50  |
| HM110-10 | 6000       | 4,00  | 70             | 100  | 180 | 380     | 220      | 220/380  | 16,4       | 9,50  |
| HM110-12 | 6000       | 5,50  | 140            | 200  | 360 | 380     | 220      | 220/380  | 19,8       | 11,40 |
| HM110-12 | 6000       | 5,50  | 70             | 100  | 180 | 380     | 220      | 220/380  | 19,8       | 11,40 |
| HM110-10 | 12000      | 4,00  | 300            | 400  | 600 | 380     | 220      | 220/380  | 16,4       | 9,50  |
| HM110-10 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380  | 16,4       | 9,50  |
| HM110-10 | 12000      | 5,50  | 300            | 400  | 600 | 380     | 220      | 220/380  | 19,8       | 11,40 |
| HM110-10 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 19,8       | 11,40 |
| HM110-12 | 12000      | 7,50  | 300            | 400  | 600 | 380     | 220      | 220/380  | 28,7       | 16,6  |
| HM110-12 | 12000      | 7,50  | 150            | 200  | 300 | 380     | 220      | 220/380  | 28,7       | 16,6  |
| HM110-10 | 18000      | 7,50  | 340            | 600  | 680 | 380     | 220      | 220/380  | 28,7       | 16,6  |
| HM110-10 | 18000      | 7,50  | 170            | 300  | 340 | 380     | 220      | 220/380  | 28,7       | 16,6  |
| HM110-12 | 18000      | 9,00  | 340            | 600  | 680 | 380     | 220      | 220/380  | 34,5       | 20,0  |
| HM110-12 | 18000      | 9,00  | 170            | 300  | 340 | 380     | 220      | 220/380  | 34,5       | 20,0  |



| TYPE                 | L   | Apr. Weight<br>Kg |
|----------------------|-----|-------------------|
| HM110.10_L50FK-CK-1R | 315 | 13,000            |
| HM110.12_L50FK-CK-1R | 335 | 14,300            |

## CONTENTS - İÇERİK

### HMA

HMA.XX\_FL20.54.13F-CK-1R  
HMA.XX\_FL20.54.26F-CK-2R  
HMA.XX\_FL20.54.30F-CK-1R  
HMA.XX\_FL20.63.8M-CK-1R  
HMA.XX\_FL20.54.30F-AK-1R  
HMA.XX\_FL20.63.8M-AK-1R  
HMA.XX\_FL25.63.8M-AK-1R  
HMA.XX\_FL32.63.8M-AK-1R

### HMB

HMB.XX\_FL20.59.13F-CK-2R  
HMB.XX\_FL20.59.30F-CK-2R  
HMB.XX\_FL30.88.28M-CK-2R  
HMB.XX\_FL20.59.13F-AK-2R (1R)  
HMB.XX\_FL20.59.30F-AK-2R (1R)

### HM55

HM55.XX\_FL20.54.30F-CK-1R  
HM55.XX\_FL20.63.8M-CK-1R  
HM55.XX\_FL20.63.8M-CK-2R  
HM55.XX\_FL32.63.8M-CK-2R

### HM73

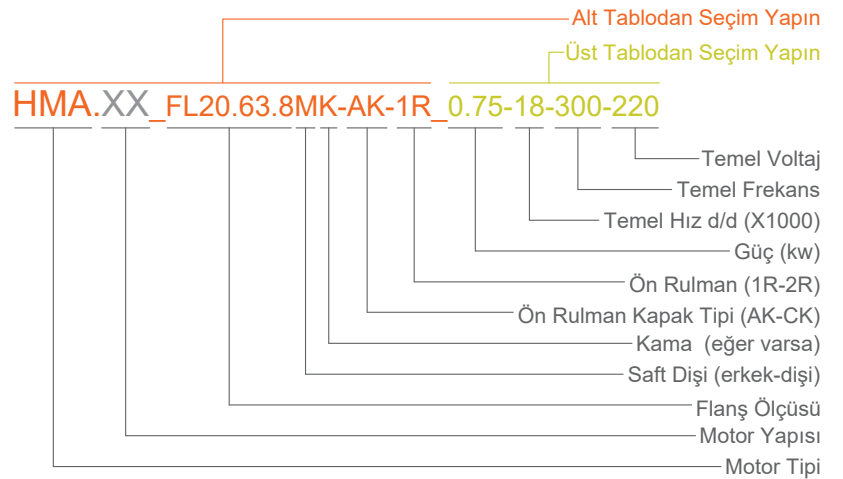
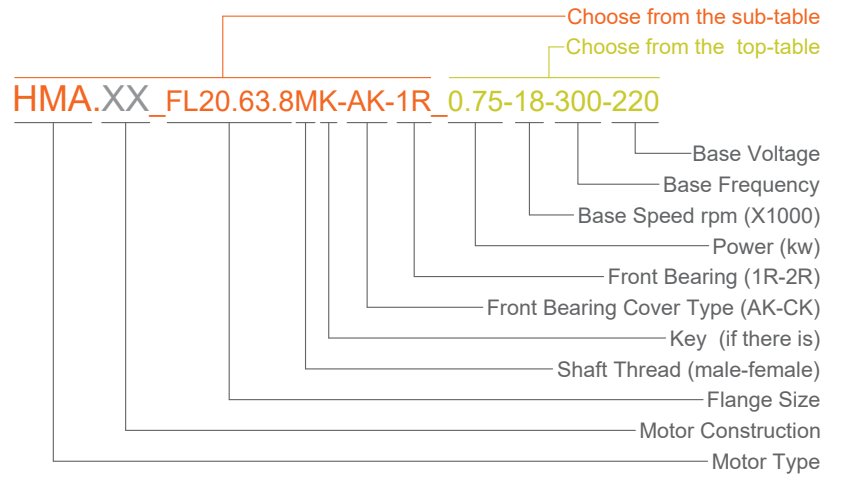
HM73.XX\_FL20.59.10F-CK-2R  
HM73.XX\_FL20.59.30F-CK-2R  
HM73.XX\_FL25.88.11M-CK-2R  
HM73.XX\_FL25.88.28M-CK-2R  
HM73.XX\_FL30.88.28M-CK-2R  
HM73.XX\_FL20.59.8F-AK-1R

### HM90

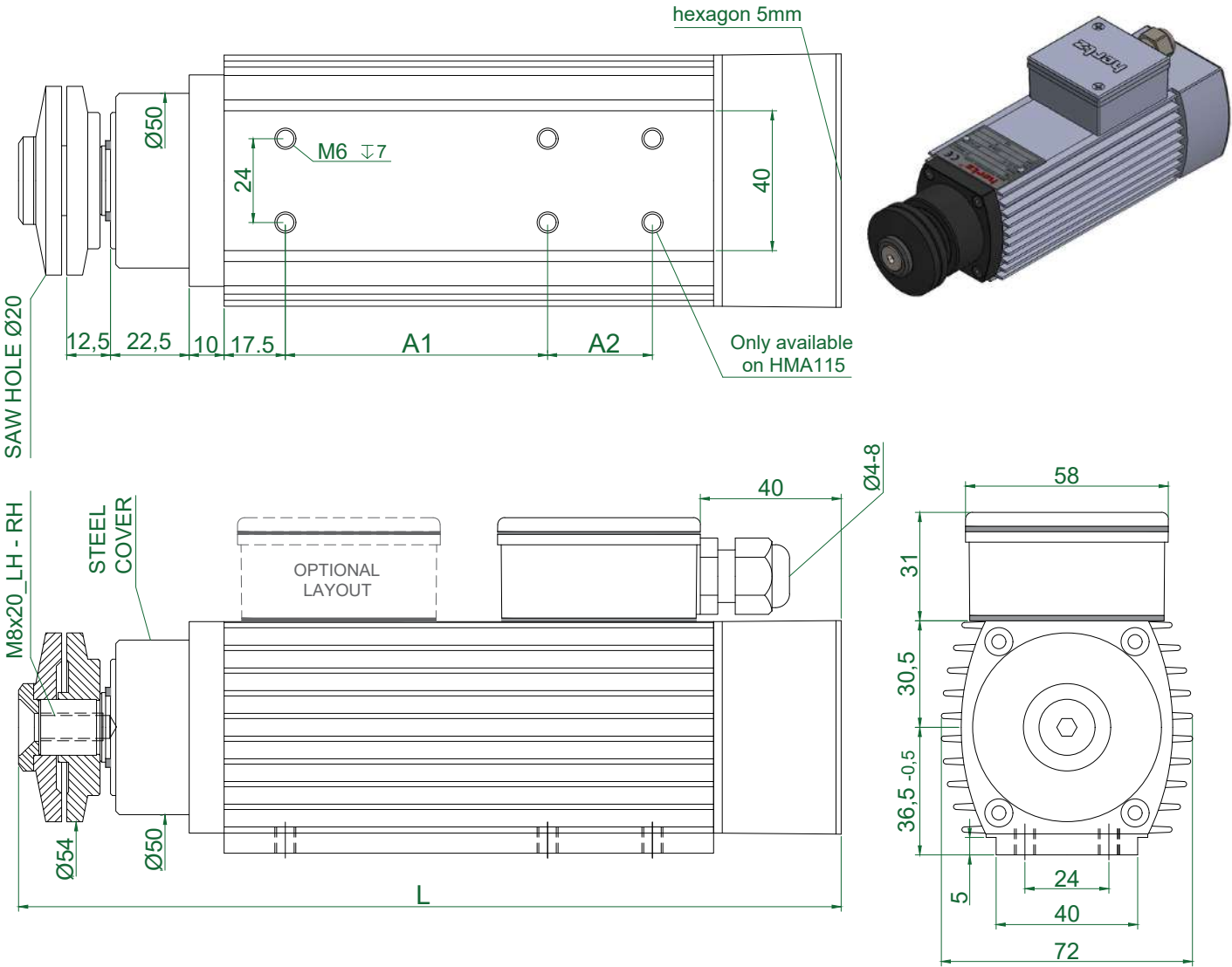
HM90.XX\_FL30.88.12M-CK-2R  
HM90.XX\_FL30.88.28M-CK-2R

### HM110

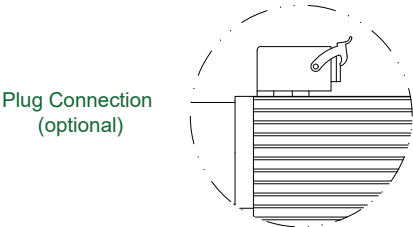
HM110.XX\_FL30.98.11M-CK-1R  
HM110.XX\_FL30.98.14M-CK-2R  
HM110.XX\_FL30.98.29M-CK-2R



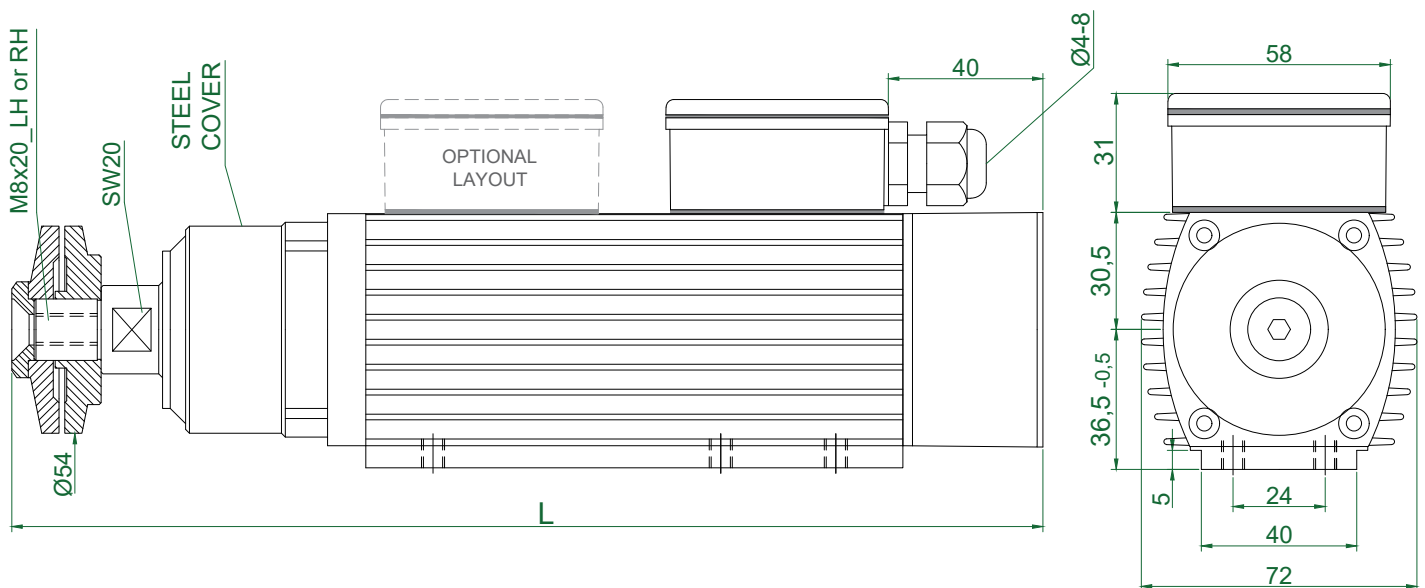
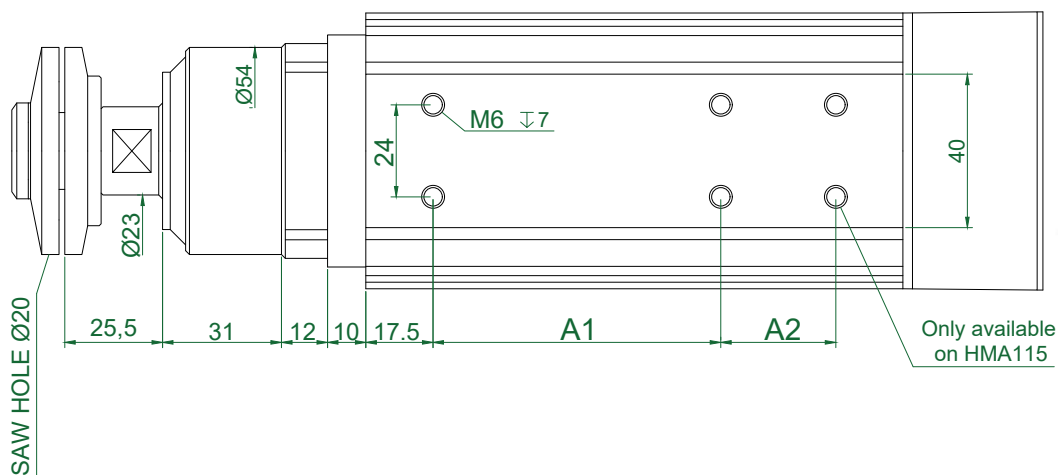
| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |



| TYPE                      | A1 | A2 | L   | Apr. Weight Kg |
|---------------------------|----|----|-----|----------------|
| HMA 55_FL20.54.13F-CK-1R  | 60 | -  | 196 | 2,400          |
| HMA 60_FL20.54.13F-CK-1R  | 60 | -  | 201 | 2,450          |
| HMA 70_FL20.54.13F-CK-1R  | 75 | -  | 211 | 2,550          |
| HMA 85_FL20.54.13F-CK-1R  | 75 | -  | 226 | 2,900          |
| HMA 95_FL20.54.13F-CK-1R  | 75 | -  | 236 | 3,050          |
| HMA 115_FL20.54.13F-CK-1R | 75 | 30 | 256 | 3,400          |

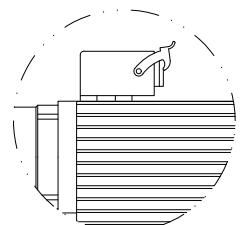


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |

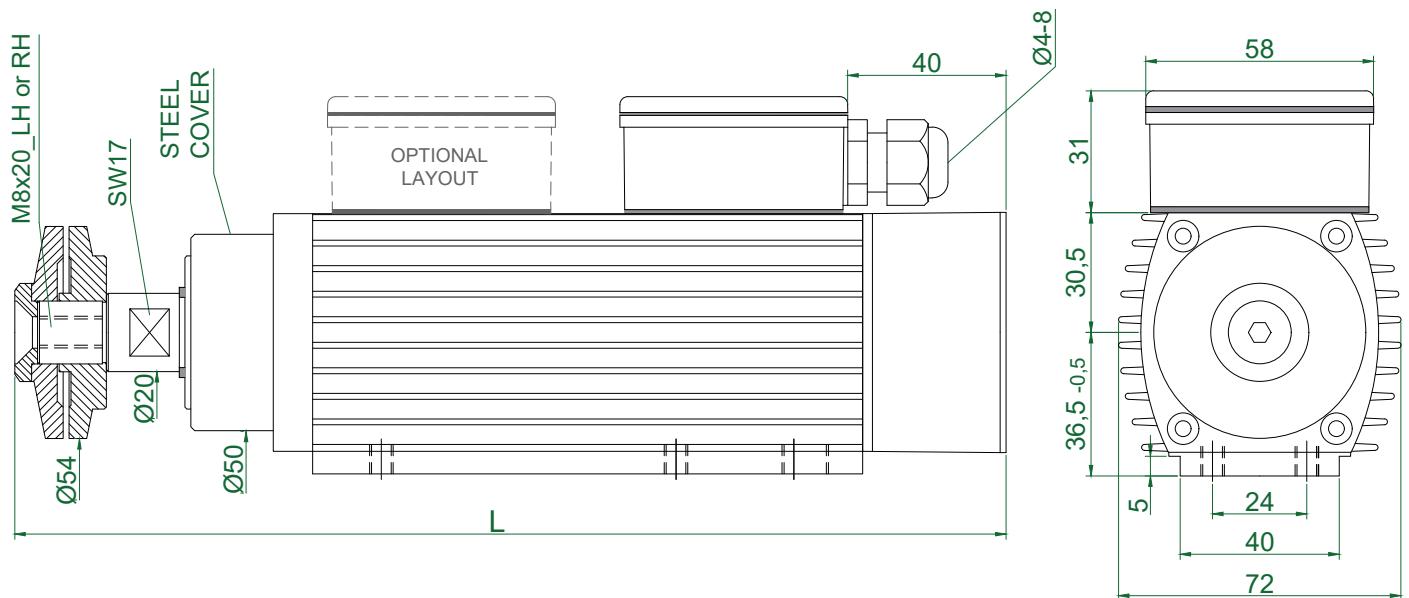
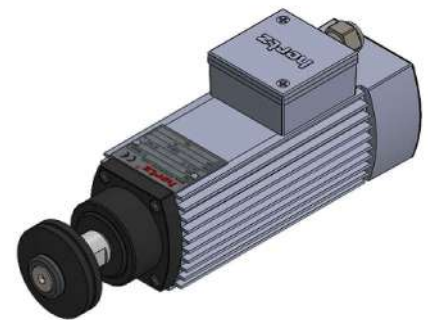
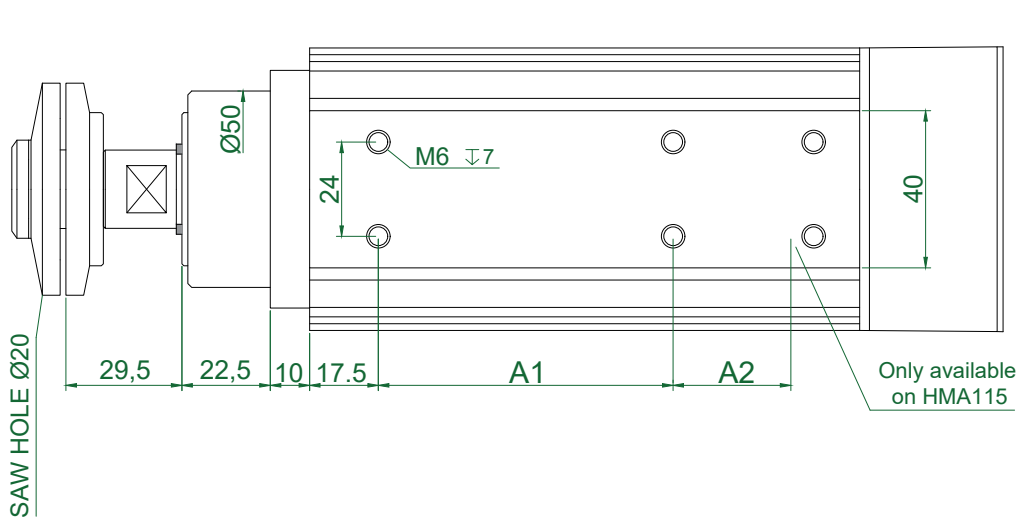


| TYPE                      | A1 | A2 | L   | Apr. Weight Kg |
|---------------------------|----|----|-----|----------------|
| HMA 55_FL20.54.26F-CK-2R  | 60 | -  | 229 | 2,750          |
| HMA 60_FL20.54.26F-CK-2R  | 60 | -  | 234 | 2,800          |
| HMA 70_FL20.54.26F-CK-2R  | 75 | -  | 244 | 2,900          |
| HMA 85_FL20.54.26F-CK-2R  | 75 | -  | 259 | 3,250          |
| HMA 95_FL20.54.26F-CK-2R  | 75 | -  | 269 | 3,400          |
| HMA 115_FL20.54.26F-CK-2R | 75 | 30 | 289 | 3,800          |

Plug Connection  
(optional)

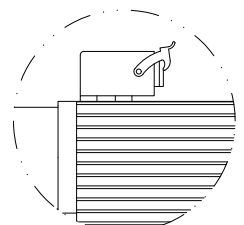


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |

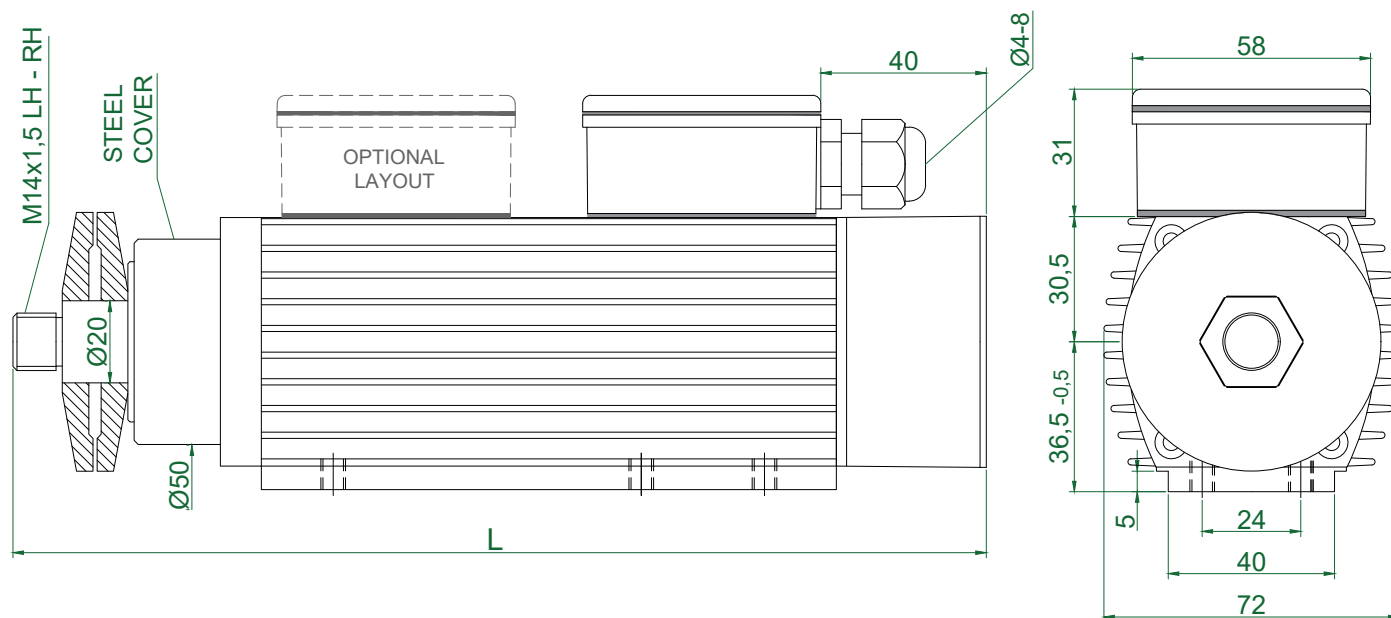
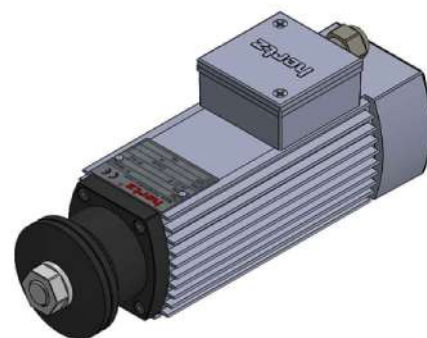
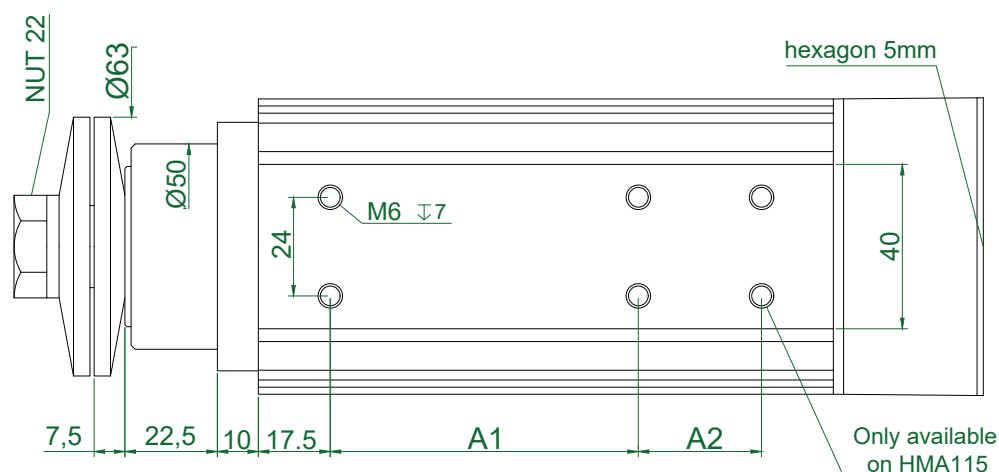


| TYPE                      | A1 | A2 | L   | Apr. Weight Kg |
|---------------------------|----|----|-----|----------------|
| HMA 55_FL20.54.30F-CK-1R  | 60 | -  | 213 | 2,450          |
| HMA 60_FL20.54.30F-CK-1R  | 60 | -  | 218 | 2,500          |
| HMA 70_FL20.54.30F-CK-1R  | 75 | -  | 228 | 2,600          |
| HMA 85_FL20.54.30F-CK-1R  | 75 | -  | 243 | 2,950          |
| HMA 95_FL20.54.30F-CK-1R  | 75 | -  | 253 | 3,100          |
| HMA 115_FL20.54.30F-CK-1R | 75 | 30 | 273 | 3,450          |

Plug Connection  
(optional)

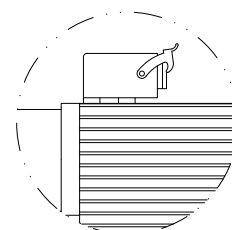


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |

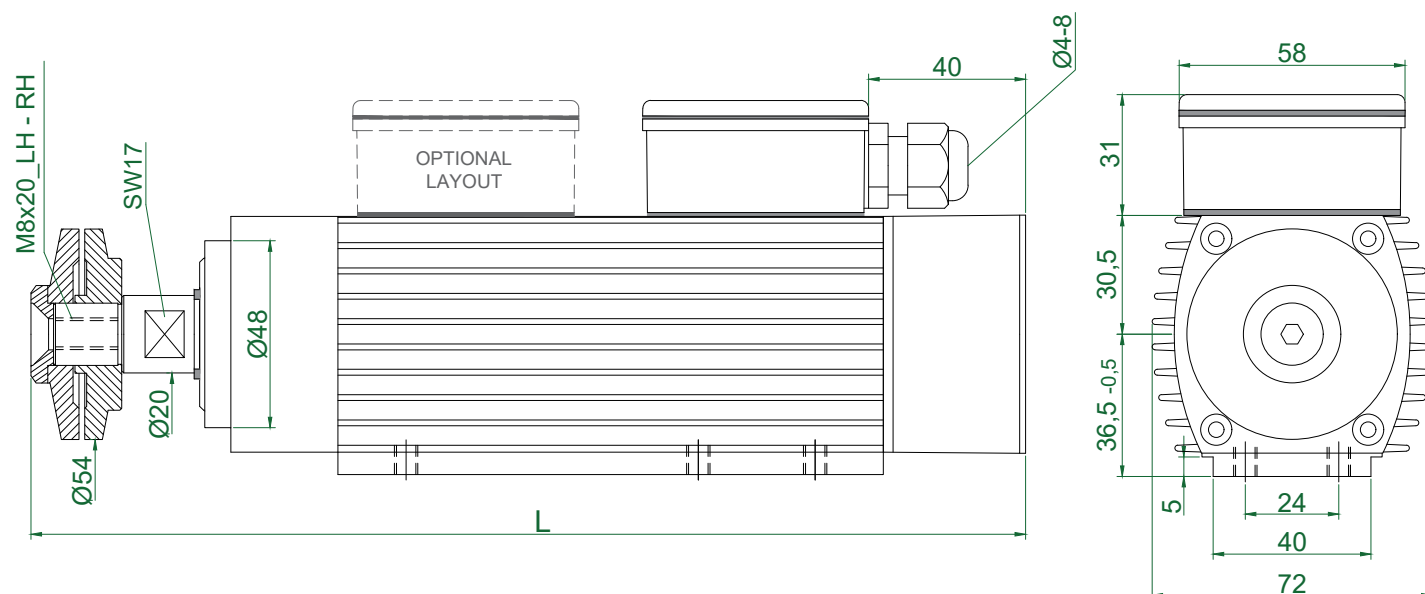
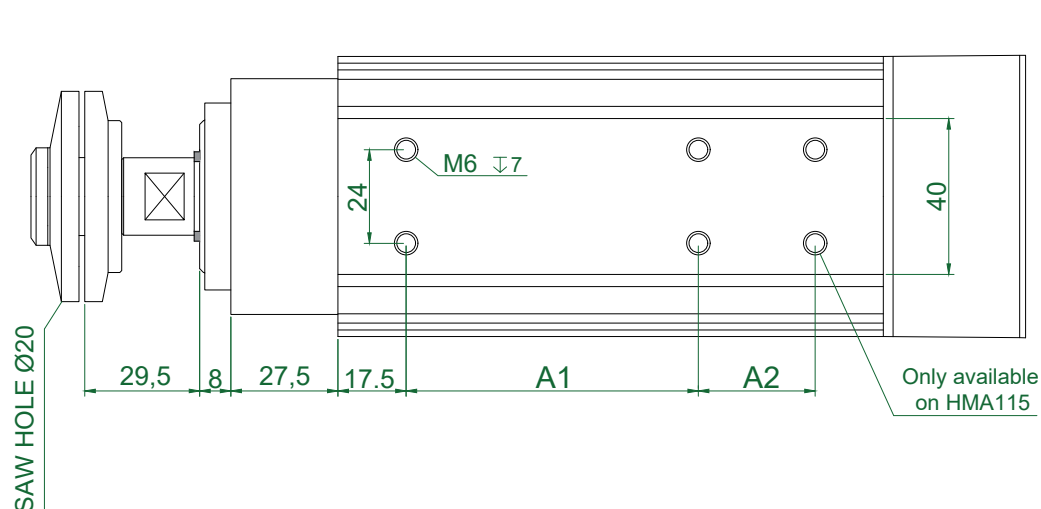


| TYPE                     | A1 | A2 | L   | Apr. Weight<br>Kg |
|--------------------------|----|----|-----|-------------------|
| HMA 55_FL20.63.8M-CK-1R  | 60 | -  | 197 | 2,400             |
| HMA 60_FL20.63.8M-CK-1R  | 60 | -  | 202 | 2,450             |
| HMA 70_FL20.63.8M-CK-1R  | 75 | -  | 212 | 2,550             |
| HMA 85_FL20.63.8M-CK-1R  | 75 | -  | 227 | 2,900             |
| HMA 95_FL20.63.8M-CK-1R  | 75 | -  | 237 | 3,100             |
| HMA 115_FL20.63.8M-CK-1R | 75 | 30 | 257 | 3,450             |

### Plug Connection (optional)

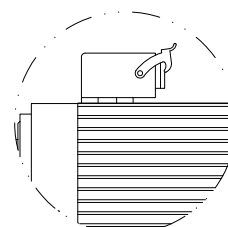


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |

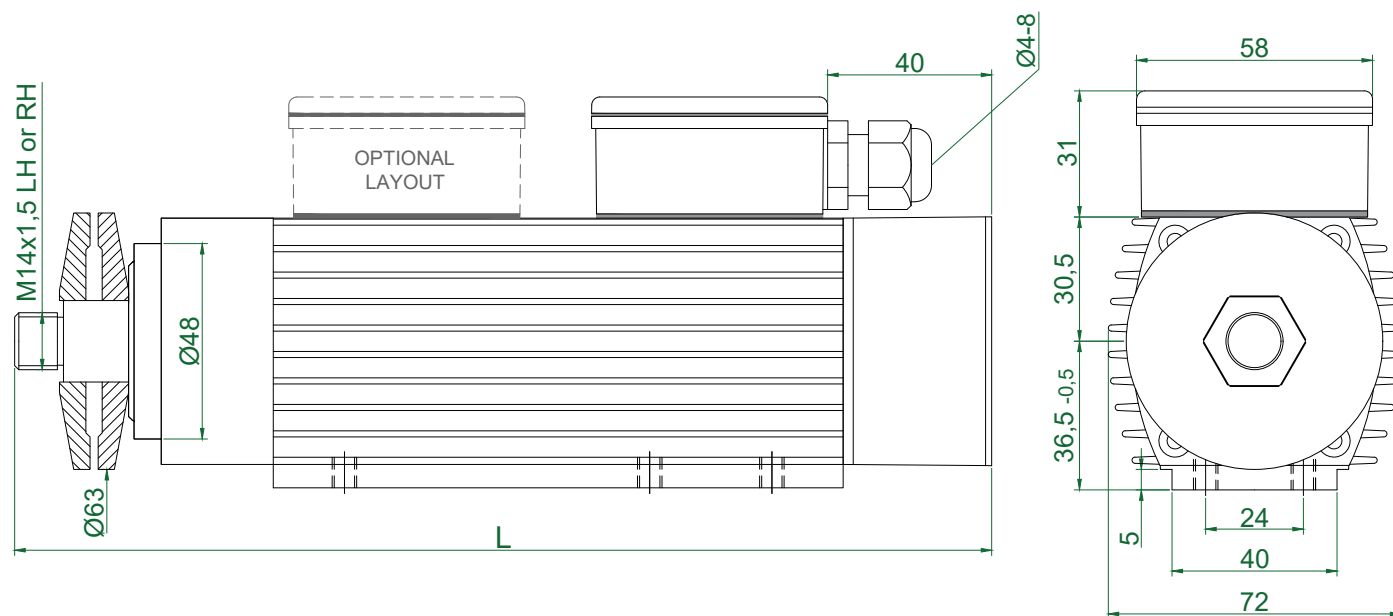
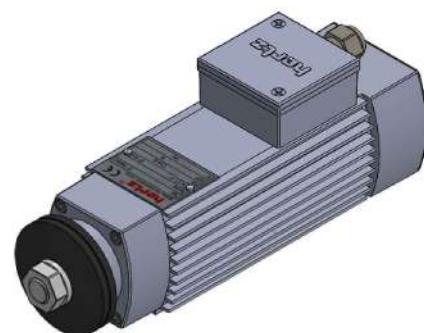
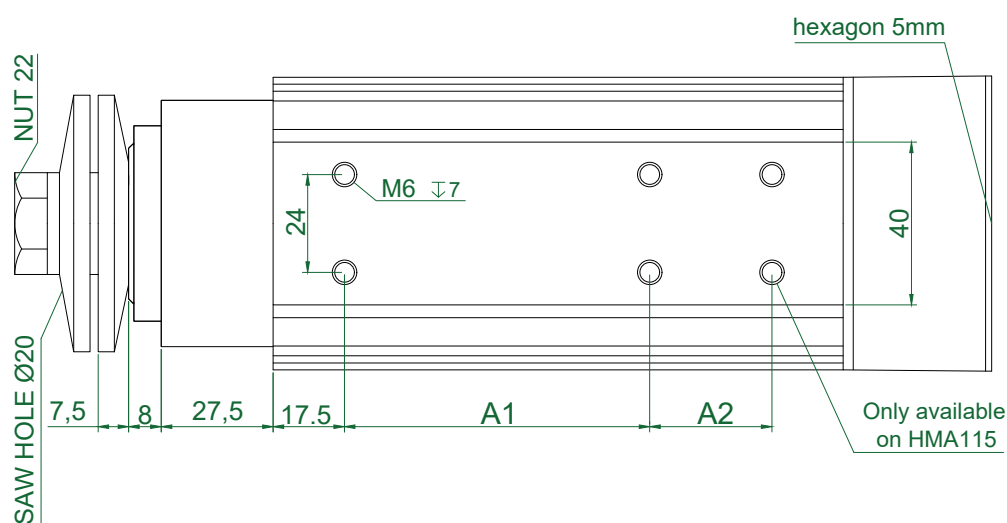


| TYPE                      | A1 | A2 | L   | Apr. Weight Kg |
|---------------------------|----|----|-----|----------------|
| HMA 55_FL20.54.30F-AK-1R  | 60 | -  | 216 | 2,700          |
| HMA 60_FL20.54.30F-AK-1R  | 60 | -  | 221 | 2,750          |
| HMA 70_FL20.54.30F-AK-1R  | 75 | -  | 231 | 2,850          |
| HMA 85_FL20.54.30F-AK-1R  | 75 | -  | 246 | 3,250          |
| HMA 95_FL20.54.30F-AK-1R  | 75 | -  | 256 | 3,350          |
| HMA 115_FL20.54.30F-AK-1R | 75 | 30 | 276 | 3,700          |

Plug Connection (optional)

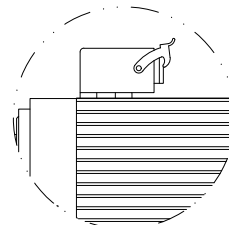


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbition |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|-------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)    | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50        | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90        | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20        | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44        | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50        | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00        | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20        | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60        | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80        | 2,20     |

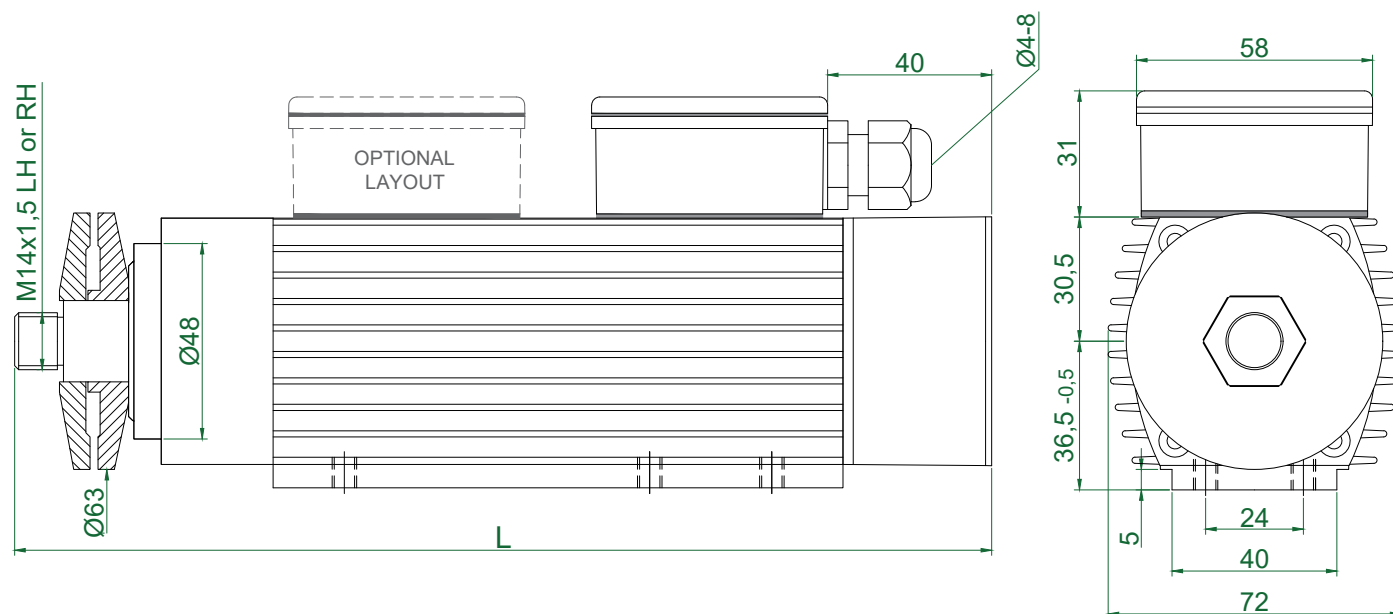
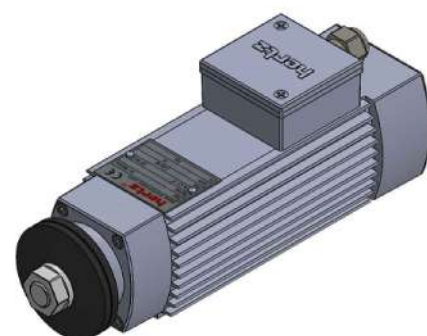
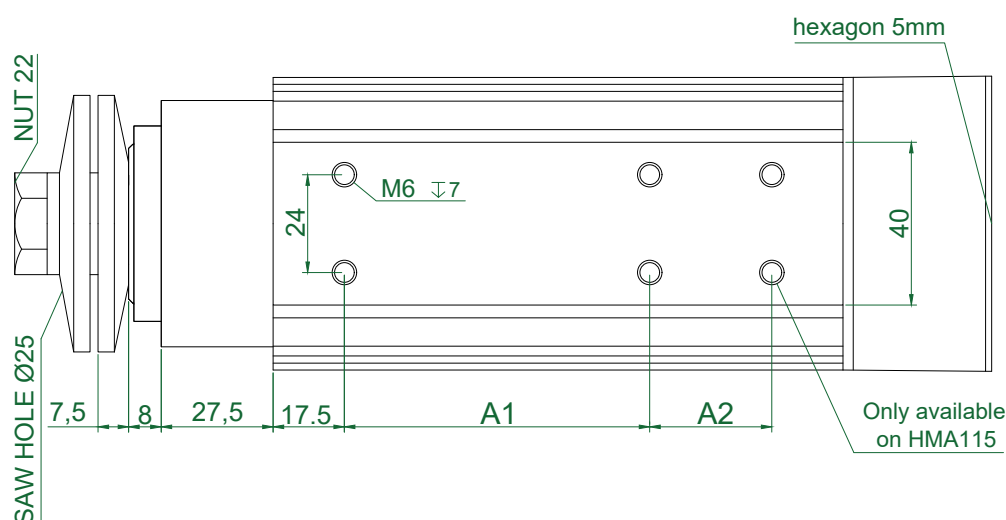


| TYPE                     | A1 | A2 | L   | Apr. Weight Kg |
|--------------------------|----|----|-----|----------------|
| HMA 55_FL20.63.8M-AK-1R  | 60 | -  | 200 | 2,400          |
| HMA 60_FL20.63.8M-AK-1R  | 60 | -  | 205 | 2,450          |
| HMA 70_FL20.63.8M-AK-1R  | 75 | -  | 215 | 2,550          |
| HMA 85_FL20.63.8M-AK-1R  | 75 | -  | 230 | 2,900          |
| HMA 95_FL20.63.8M-AK-1R  | 75 | -  | 240 | 3,050          |
| HMA 115_FL20.63.8M-AK-1R | 75 | 30 | 260 | 3,400          |

Plug Connection (optional)

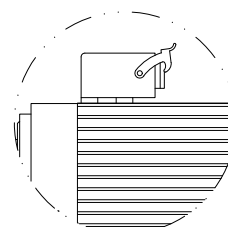


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|-----------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)  | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50      | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90      | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20      | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44      | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50      | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00      | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20      | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60      | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80      | 2,20     |

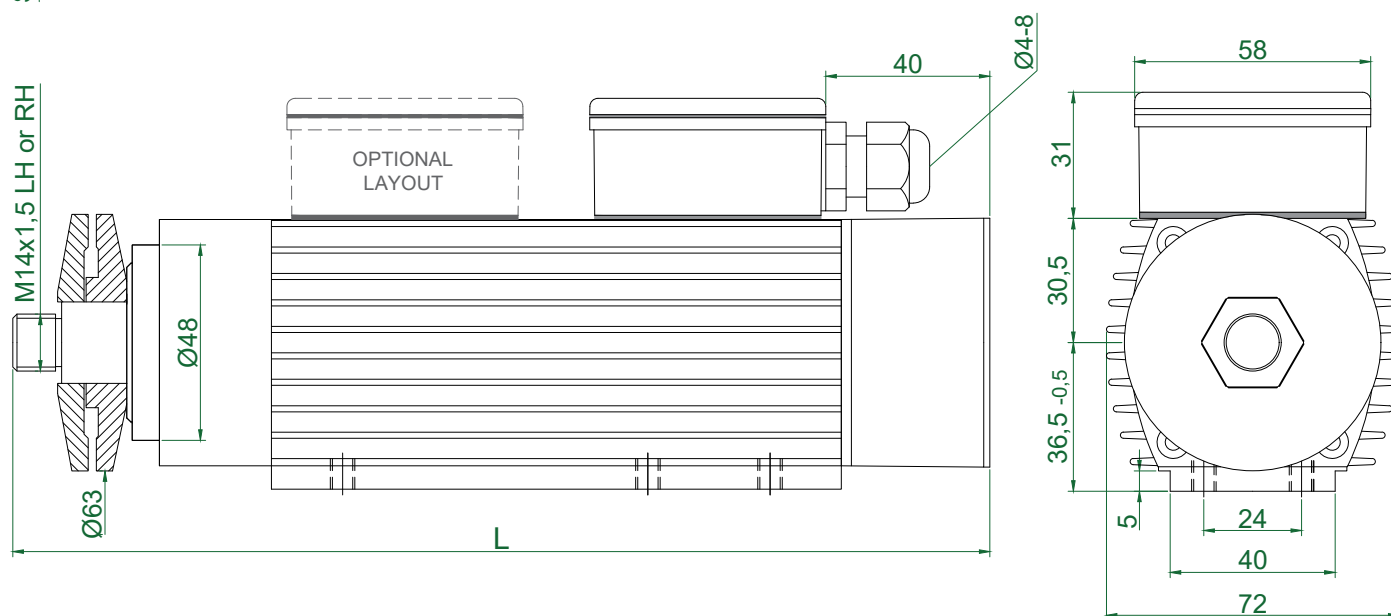
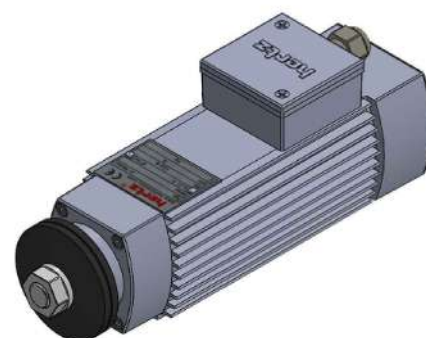
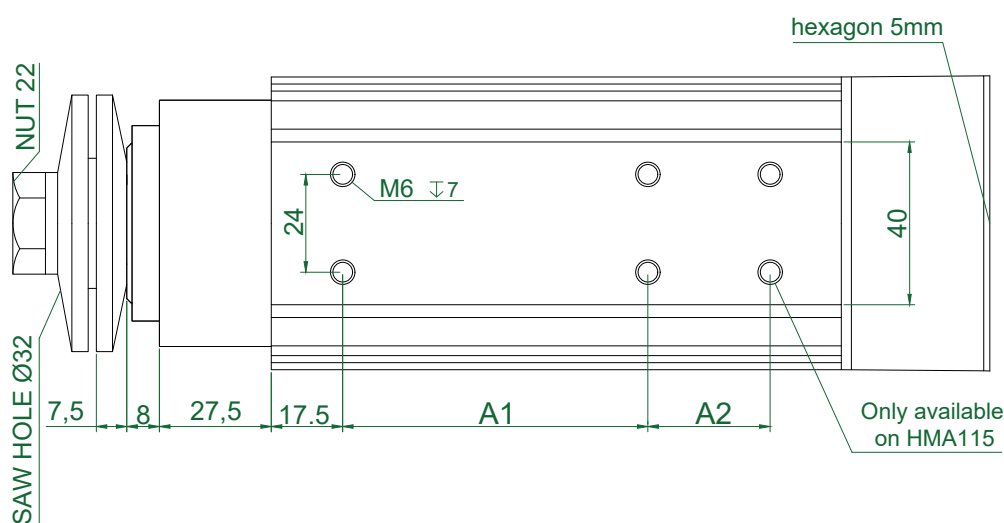


| TYPE                     | A1 | A2 | L   | Apr. Weight Kg |
|--------------------------|----|----|-----|----------------|
| HMA 55_FL25.63.8M-AK-1R  | 60 | -  | 200 | 2,400          |
| HMA 60_FL25.63.8M-AK-1R  | 60 | -  | 205 | 2,450          |
| HMA 70_FL25.63.8M-AK-1R  | 75 | -  | 215 | 2,550          |
| HMA 85_FL25.63.8M-AK-1R  | 75 | -  | 230 | 2,900          |
| HMA 95_FL25.63.8M-AK-1R  | 75 | -  | 240 | 3,050          |
| HMA 115_FL25.63.8M-AK-1R | 75 | 30 | 260 | 3,400          |

Plug Connection (optional)

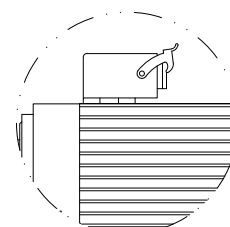


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|-----------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)  | A (380v) |
| HMA 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50      | 0,87     |
| HMA 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90      | 1,10     |
| HMA 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20      | 1,20     |
| HMA 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44      | 0,84     |
| HMA 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50      | 0,87     |
| HMA 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00      | 1,16     |
| HMA 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20      | 1,20     |
| HMA 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60      | 1,50     |
| HMA 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80      | 2,20     |

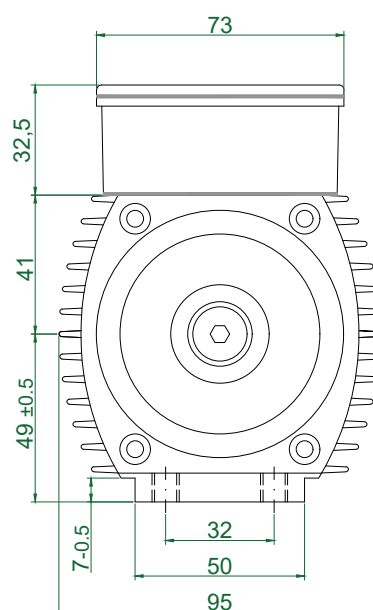
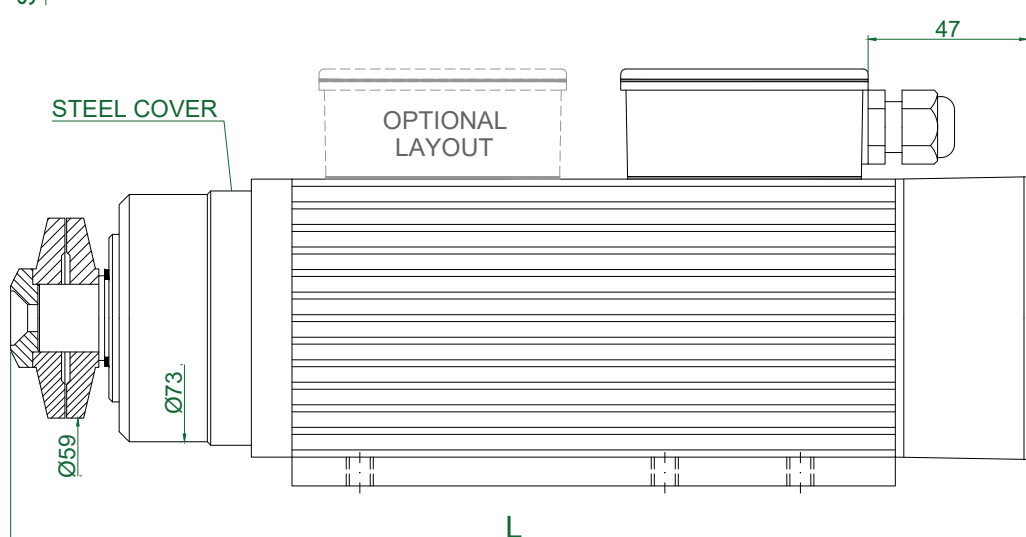
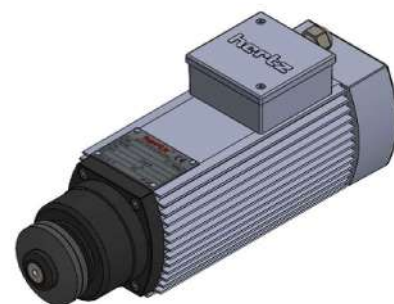
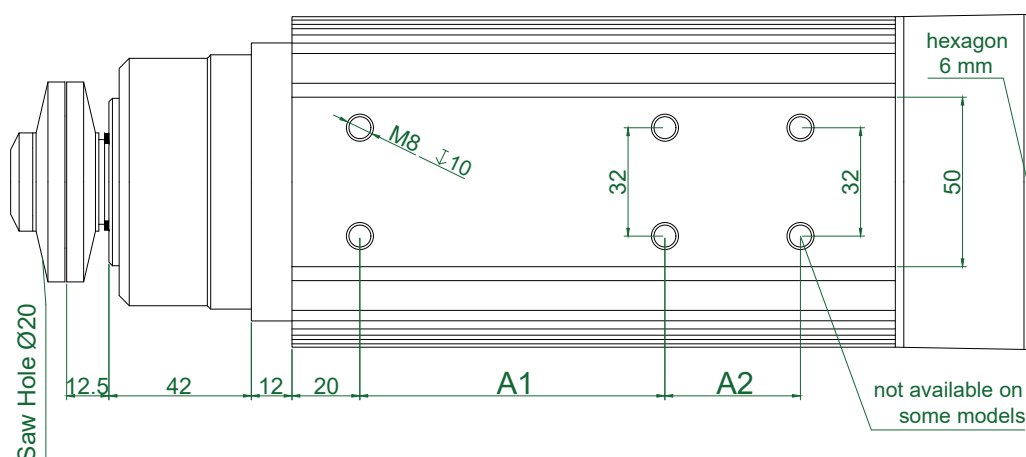


| TYPE                     | A1 | A2 | L   | Apr. Weight Kg |
|--------------------------|----|----|-----|----------------|
| HMA 55_FL32.63.8M-AK-1R  | 60 | -  | 200 | 2,850          |
| HMA 60_FL32.63.8M-AK-1R  | 60 | -  | 205 | 2,900          |
| HMA 70_FL32.63.8M-AK-1R  | 75 | -  | 215 | 3,000          |
| HMA 85_FL32.63.8M-AK-1R  | 75 | -  | 230 | 3,350          |
| HMA 95_FL32.63.8M-AK-1R  | 75 | -  | 240 | 3,500          |
| HMA 115_FL32.63.8M-AK-1R | 75 | 30 | 260 | 3,850          |

Plug Connection (optional)

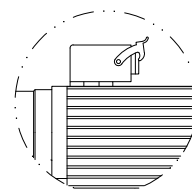


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMB 170 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |

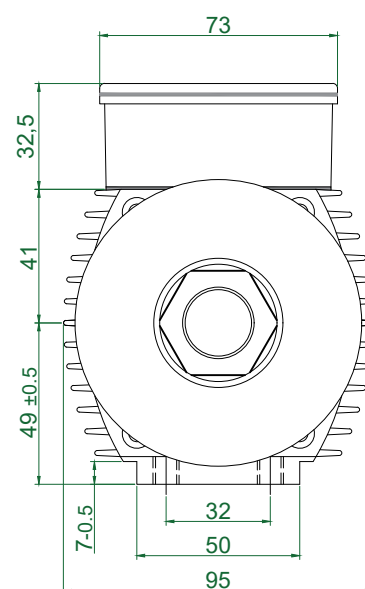
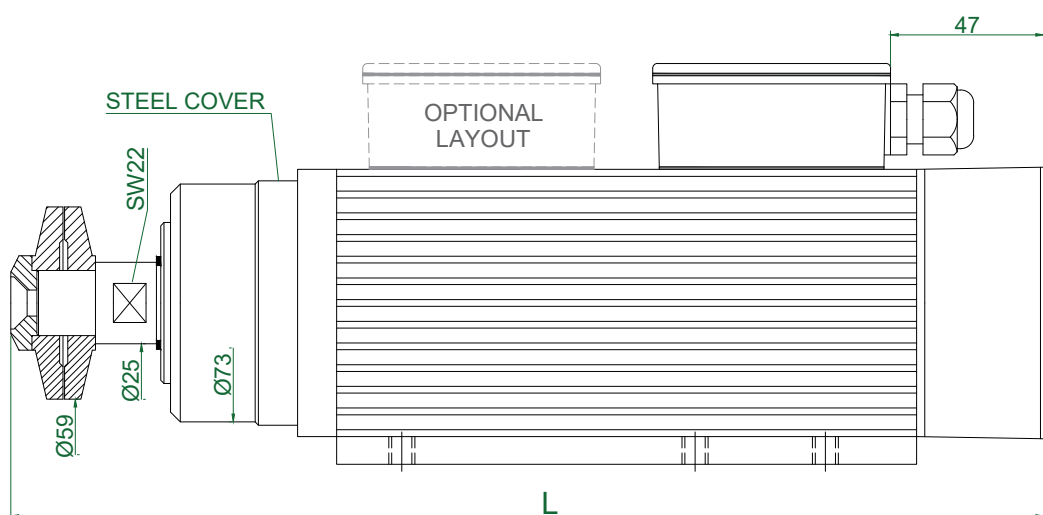
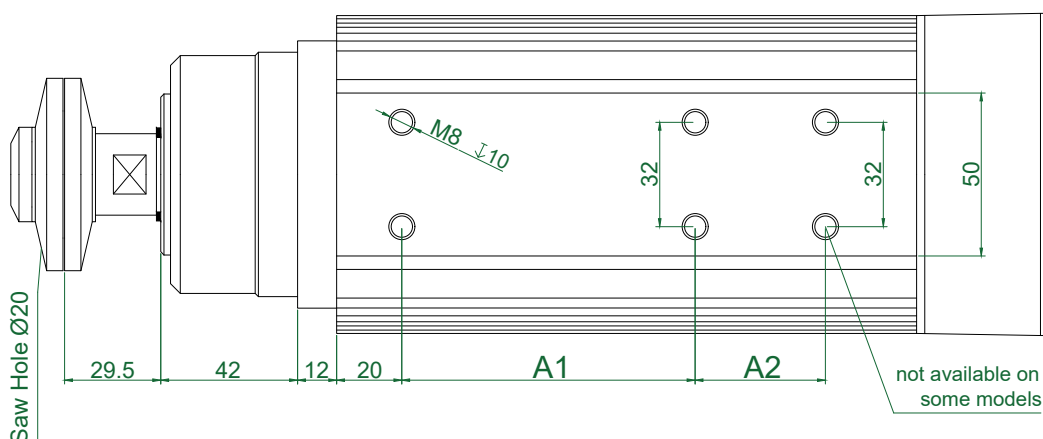


| TYPE                      | A1 | A2 | L   | Apr. Weight Kg |
|---------------------------|----|----|-----|----------------|
| HMB 90_FL20.59.13F-CK-2R  | 90 | -  | 270 | 6,650          |
| HMB 100_FL20.59.13F-CK-2R | 90 | -  | 280 | 6,950          |
| HMB 120_FL20.59.13F-CK-2R | 90 | 40 | 300 | 7,650          |
| HMB 140_FL20.59.13F-CK-2R | 90 | 40 | 320 | 8,250          |
| HMB 170_FL20.59.13F-CK-2R | 90 | 40 | 350 | 9,300          |

Plug Connection (optional)

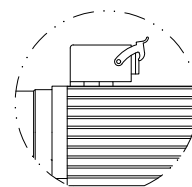


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMB 170 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |

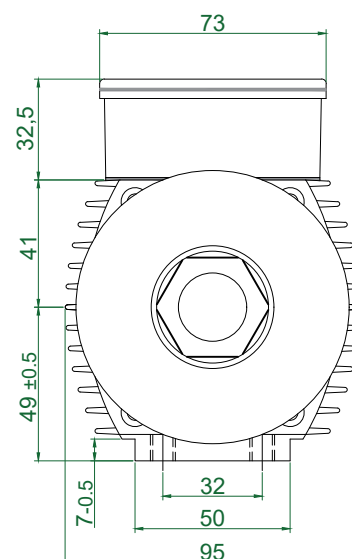
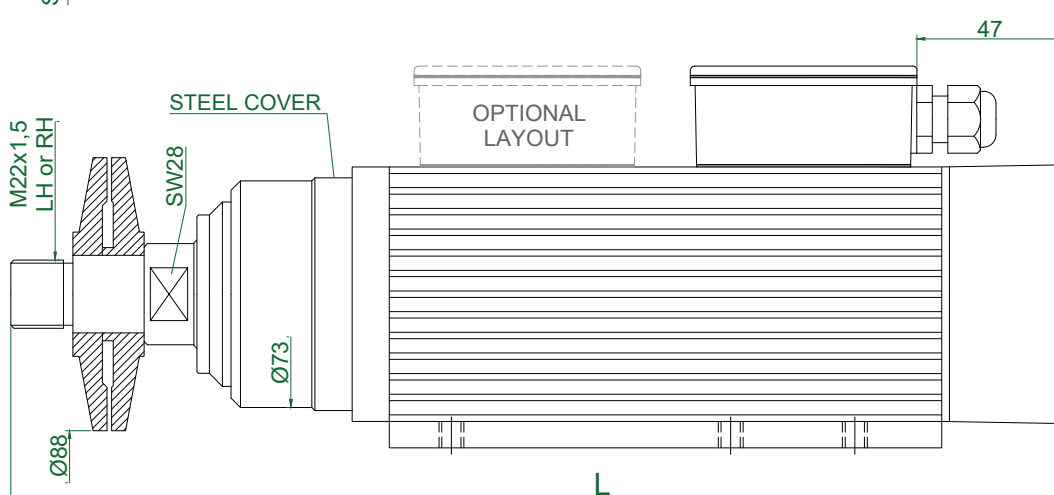
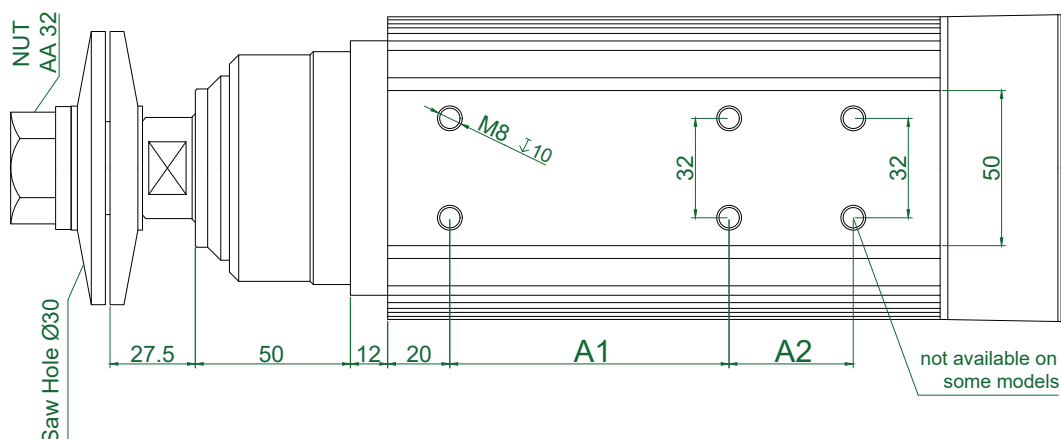


| TYPE                      | A1 | A2 | L   | Apr. Weight Kg |
|---------------------------|----|----|-----|----------------|
| HMB 90_FL20.59.30F-CK-2R  | 90 | -  | 287 | 6,700          |
| HMB 100_FL20.59.30F-CK-2R | 90 | -  | 297 | 7,050          |
| HMB 120_FL20.59.30F-CK-2R | 90 | 40 | 317 | 7,700          |
| HMB 140_FL20.59.30F-CK-2R | 90 | 40 | 337 | 8,350          |
| HMB 170_FL20.59.30F-CK-2R | 90 | 40 | 367 | 9,400          |

Plug Connection (optional)

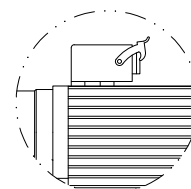


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMB 170 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |

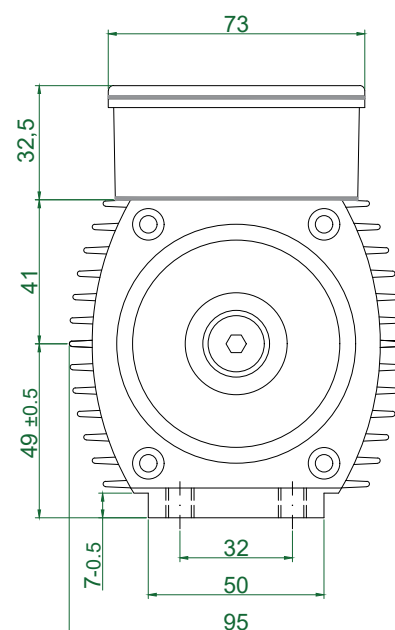
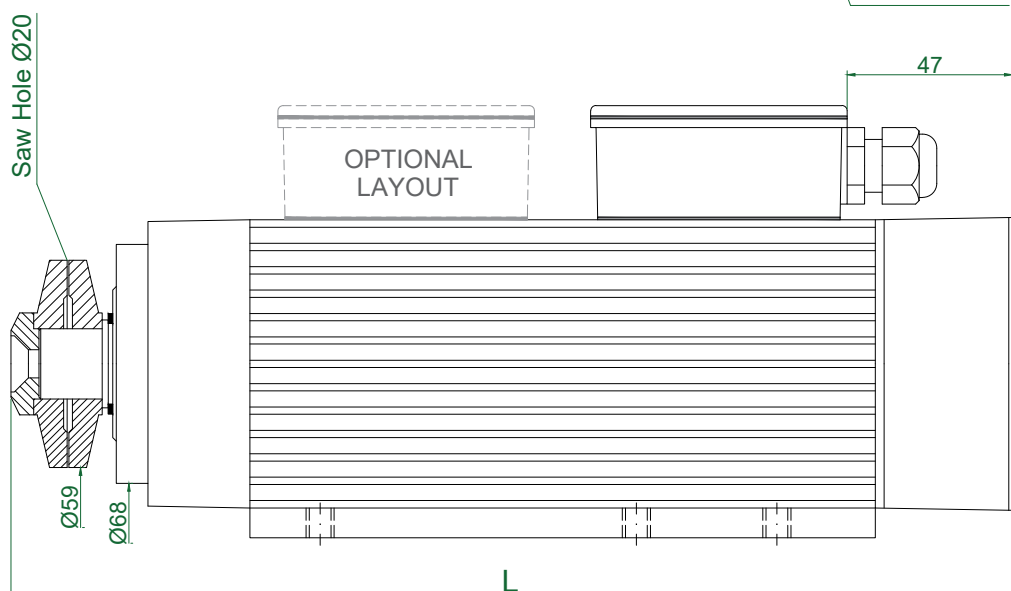
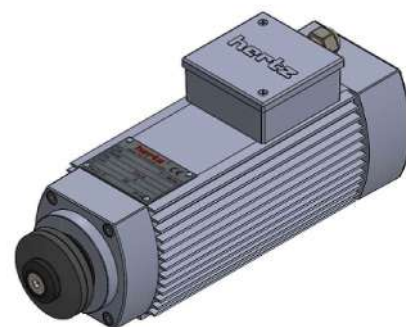
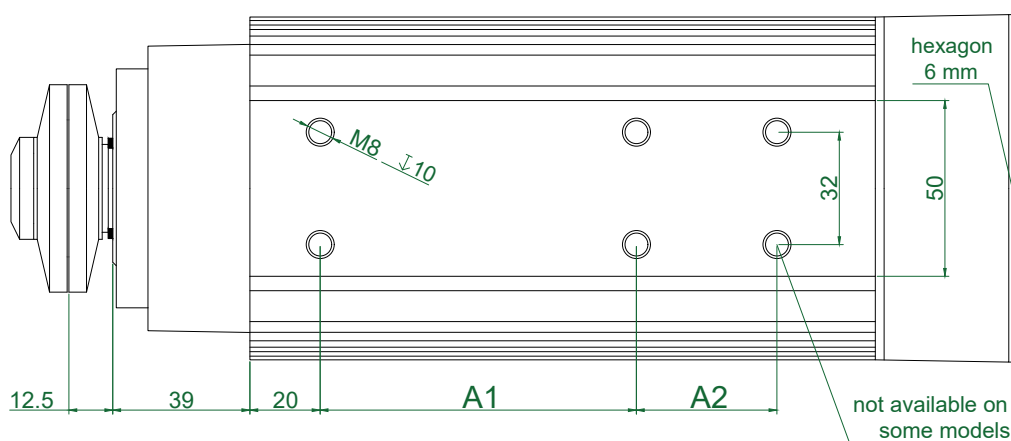


| TYPE                     | A1 | A2 | L   | Apr. Weight Kg |
|--------------------------|----|----|-----|----------------|
| HMB90_FL30.88.28M-CK-2R  | 90 | -  | 309 | 6,950          |
| HMB100_FL30.88.28M-CK-2R | 90 | -  | 319 | 7,300          |
| HMB120_FL30.88.28M-CK-2R | 90 | 40 | 339 | 8,000          |
| HMB140_FL30.88.28M-CK-2R | 90 | 40 | 359 | 8,600          |
| HMB170_FL30.88.28M-CK-2R | 90 | 40 | 389 | 9,650          |

Plug Connection (optional)

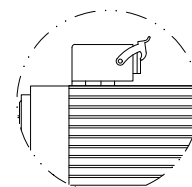


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMB 170 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |

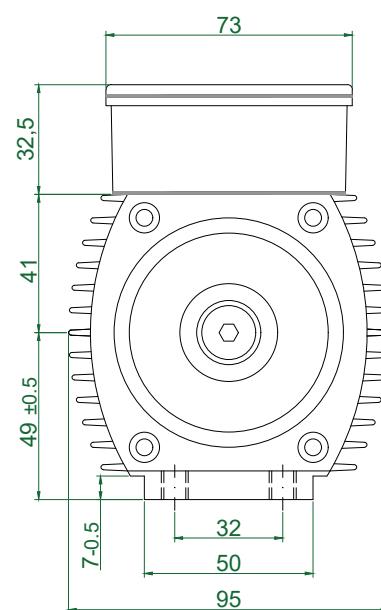
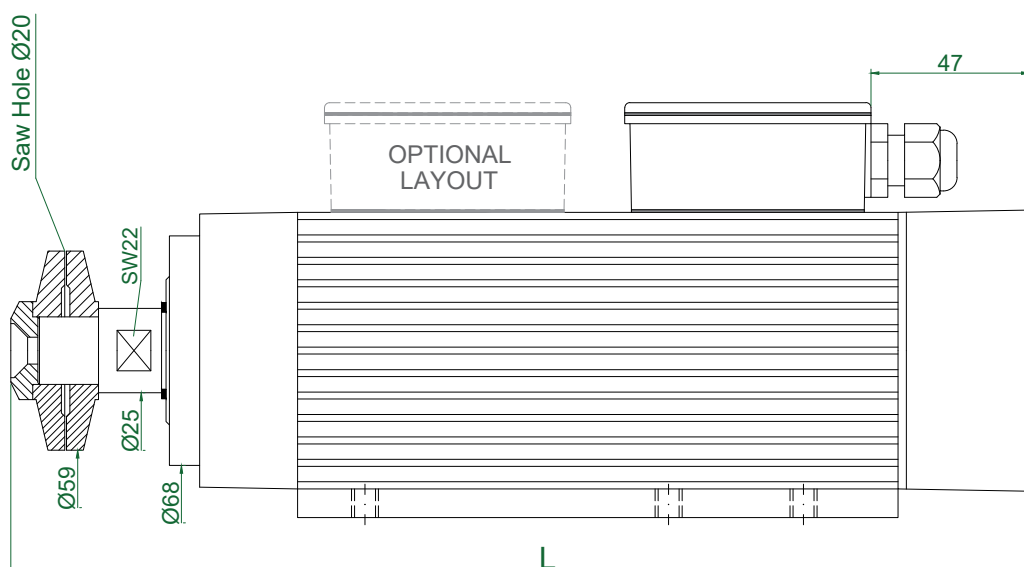
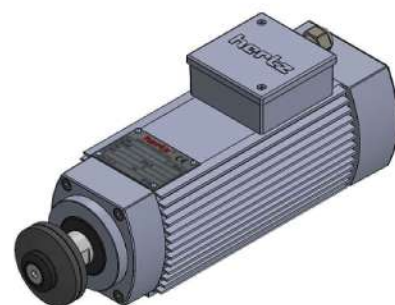
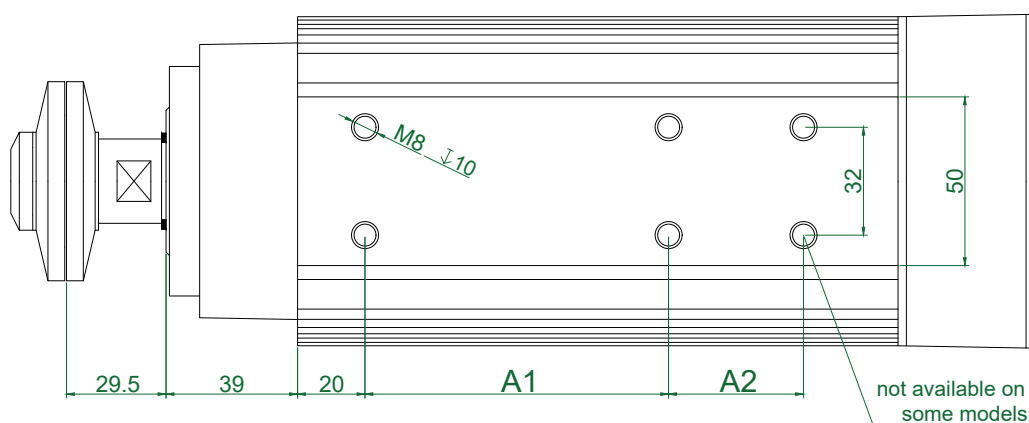


| TYPE                          | A1 | A2 | L   | Apr. Weight Kg |
|-------------------------------|----|----|-----|----------------|
| HMB90_FL20.59.13F-AK-2R (1R)  | 90 | -  | 255 | 5,500          |
| HMB100_FL20.59.13F-AK-2R (1R) | 90 | -  | 265 | 5,850          |
| HMB120_FL20.59.13F-AK-2R (1R) | 90 | 40 | 285 | 6,600          |
| HMB140_FL20.59.13F-AK-2R (1R) | 90 | 40 | 305 | 7,150          |
| HMB170_FL20.59.13F-AK-2R (1R) | 90 | 40 | 355 | 8,200          |

Plug Connection (optional)

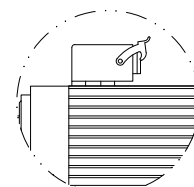


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HMB 170 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HMB 100 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 120 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 140 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HMB 170 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HMB 40  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HMB 90  | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HMB 100 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HMB 120 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HMB 140 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HMB 170 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |

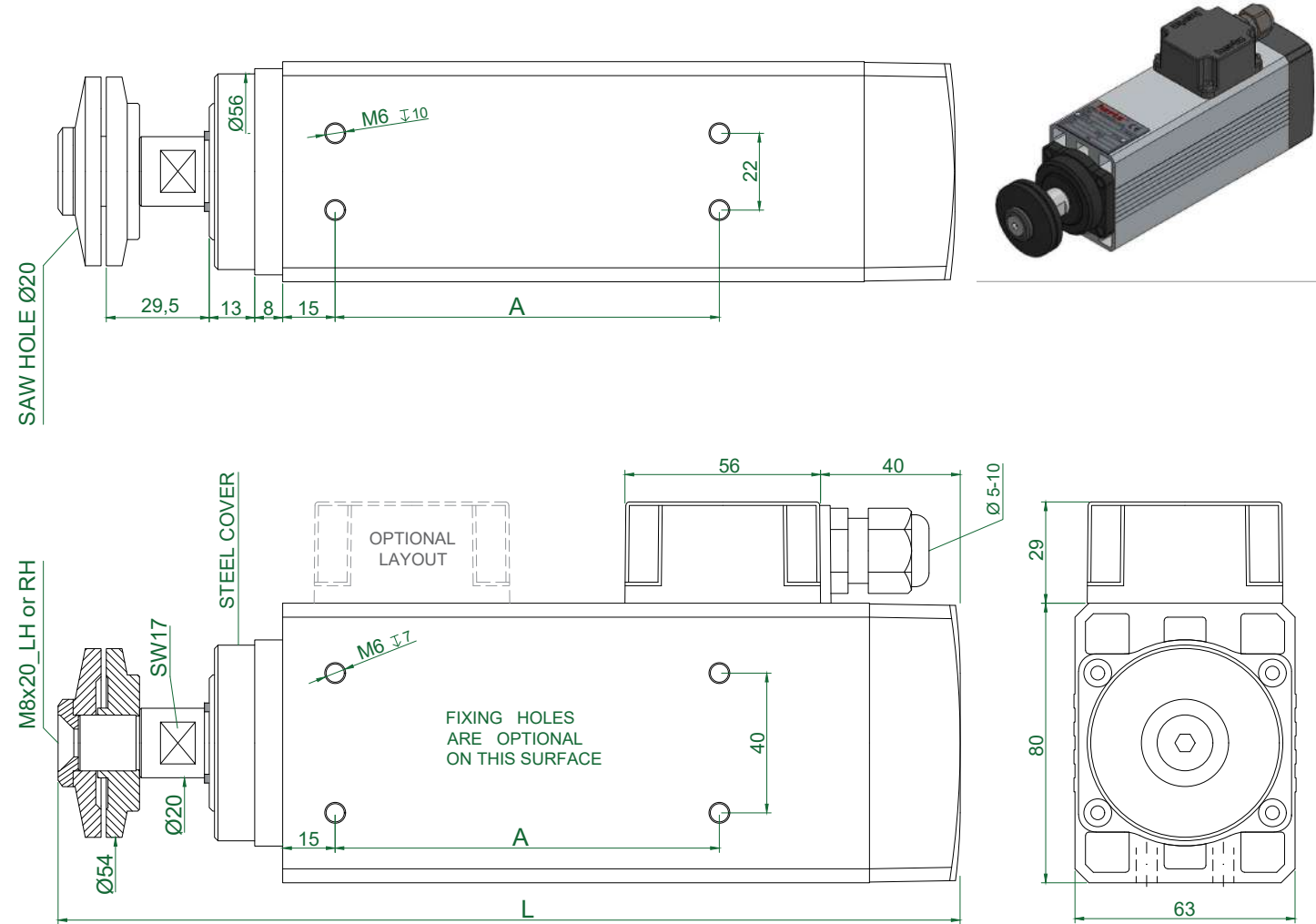


| TYPE                          | A1 | A2 | L   | Apr. Weight Kg |
|-------------------------------|----|----|-----|----------------|
| HMB90_FL20.59.30F-AK-2R (1R)  | 90 | -  | 272 | 5,600          |
| HMB100_FL20.59.30F-AK-2R (1R) | 90 | -  | 282 | 5,950          |
| HMB120_FL20.59.30F-AK-2R (1R) | 90 | 40 | 302 | 6,600          |
| HMB140_FL20.59.30F-AK-2R (1R) | 90 | 40 | 322 | 7,250          |
| HMB170_FL20.59.30F-AK-2R (1R) | 90 | 40 | 352 | 8,300          |

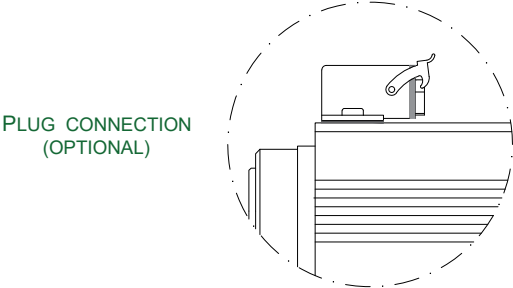
Plug Connection (optional)



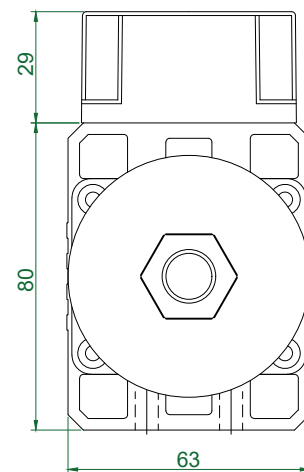
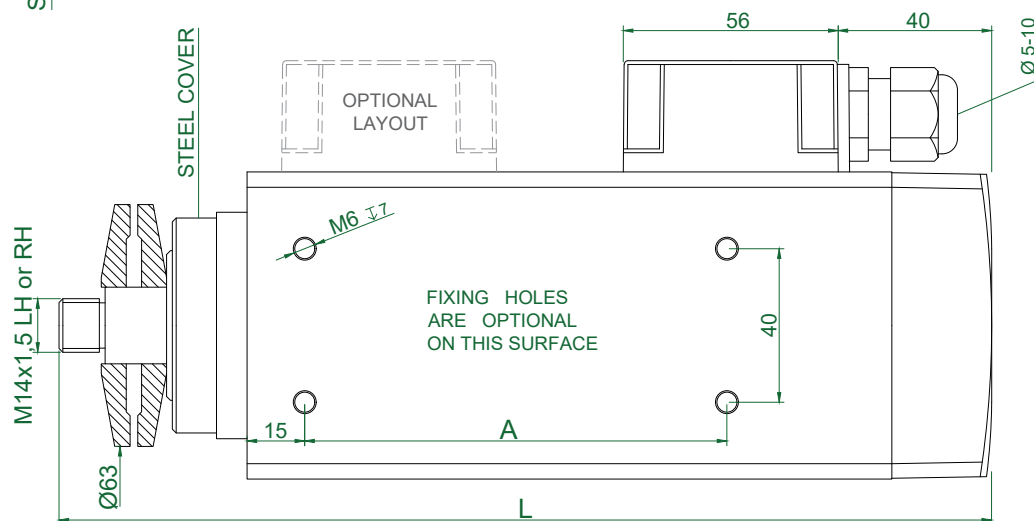
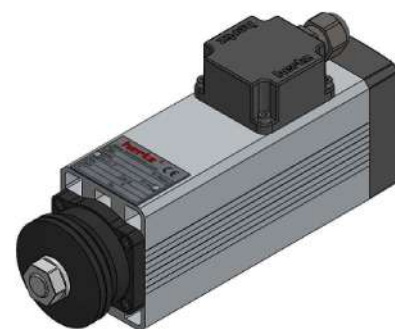
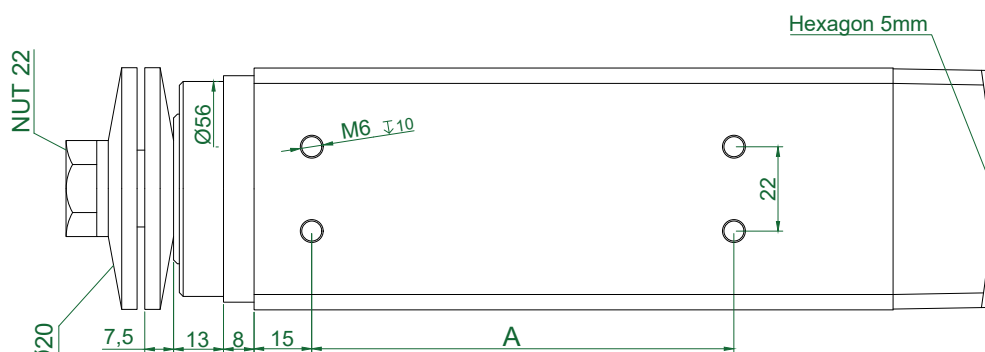
| TYPE      | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|-----------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|           | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM55- 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HM55- 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HM55- 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM55- 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |



| TYPE                       | A   | L   | Apr. Weight<br>Kg |
|----------------------------|-----|-----|-------------------|
| HM55.55_FL20.54.30F-CK-1R  | 85  | 218 | 2,750             |
| HM55.60_FL20.54.30F-CK-1R  | 85  | 223 | 2,800             |
| HM55.70_FL20.54.30F-CK-1R  | 85  | 233 | 2,950             |
| HM55.85_FL20.54.30F-CK-1R  | 110 | 248 | 3,200             |
| HM55.95_FL20.54.30F-CK-1R  | 110 | 258 | 3,350             |
| HM55.115_FL20.54.30F-CK-1R | 110 | 278 | 3,700             |

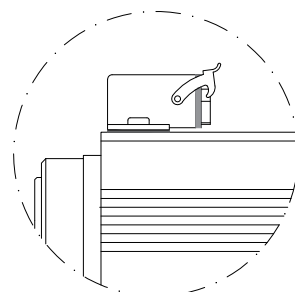


| TYPE      | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|-----------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|           | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM55- 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HM55- 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HM55- 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM55- 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |

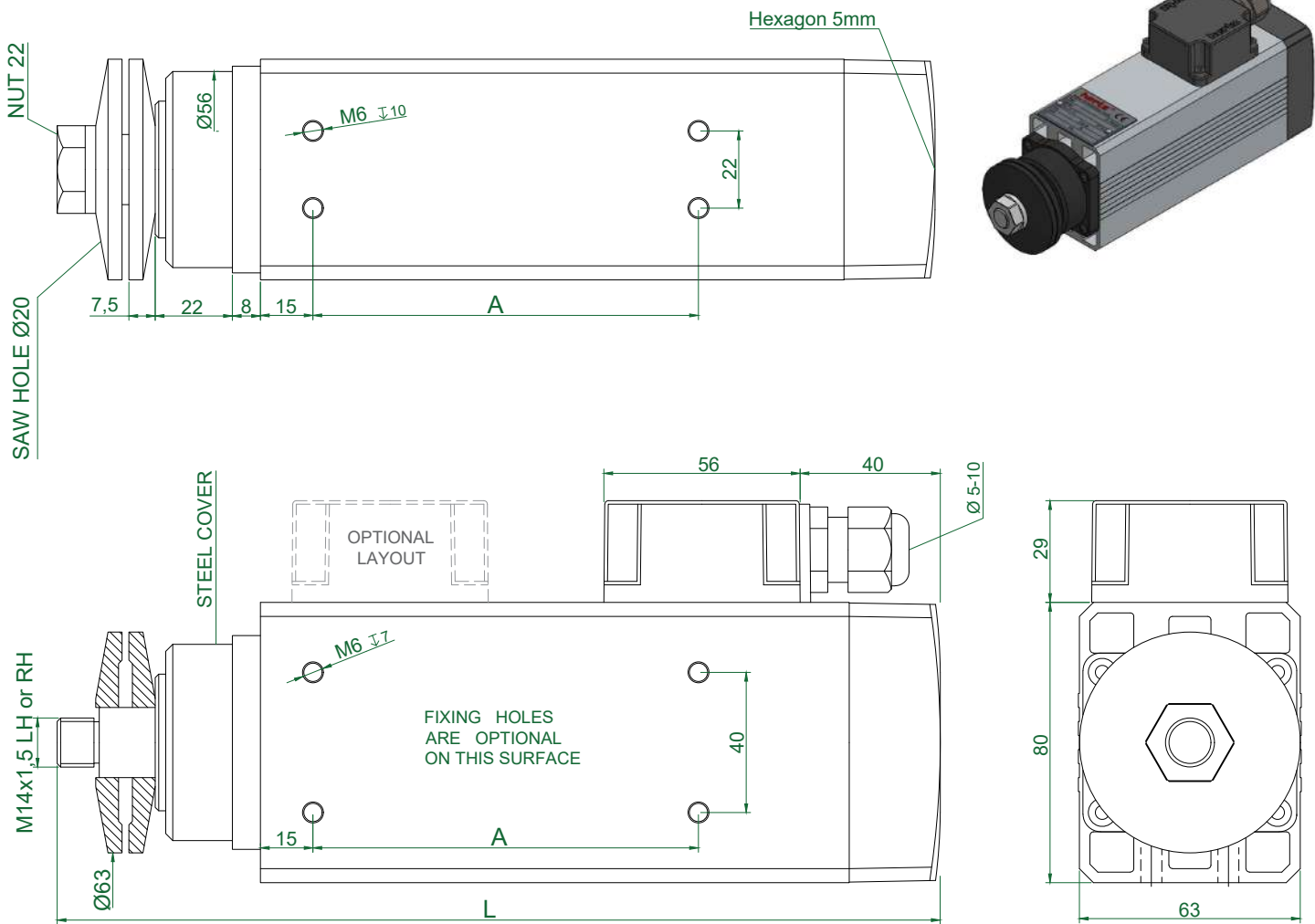


| TYPE                      | A   | L   | Apr. Weight Kg |
|---------------------------|-----|-----|----------------|
| HM55.55_FL20.63.8M-CK-1R  | 85  | 203 | 2,750          |
| HM55.60_FL20.63.8M-CK-1R  | 85  | 208 | 2,800          |
| HM55.70_FL20.63.8M-CK-1R  | 85  | 218 | 2,950          |
| HM55.85_FL20.63.8M-CK-1R  | 110 | 233 | 3,200          |
| HM55.95_FL20.63.8M-CK-1R  | 110 | 243 | 3,350          |
| HM55.115_FL20.63.8M-CK-1R | 110 | 263 | 3,700          |

PLUG CONNECTION  
(OPTIONAL)

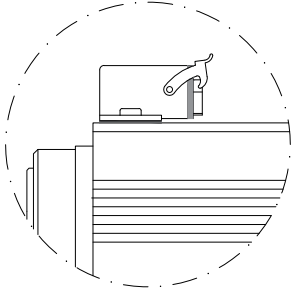


| TYPE      | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbption |          |
|-----------|------------|-------|----------------|------|-----|---------|----------|---------|-------------|----------|
|           | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)    | A (380v) |
| HM55- 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50        | 0,87     |
| HM55- 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90        | 1,10     |
| HM55- 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20        | 1,20     |
| HM55- 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44        | 0,84     |
| HM55- 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50        | 0,87     |
| HM55- 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00        | 1,16     |
| HM55- 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20        | 1,20     |
| HM55- 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60        | 1,50     |
| HM55- 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80        | 2,20     |

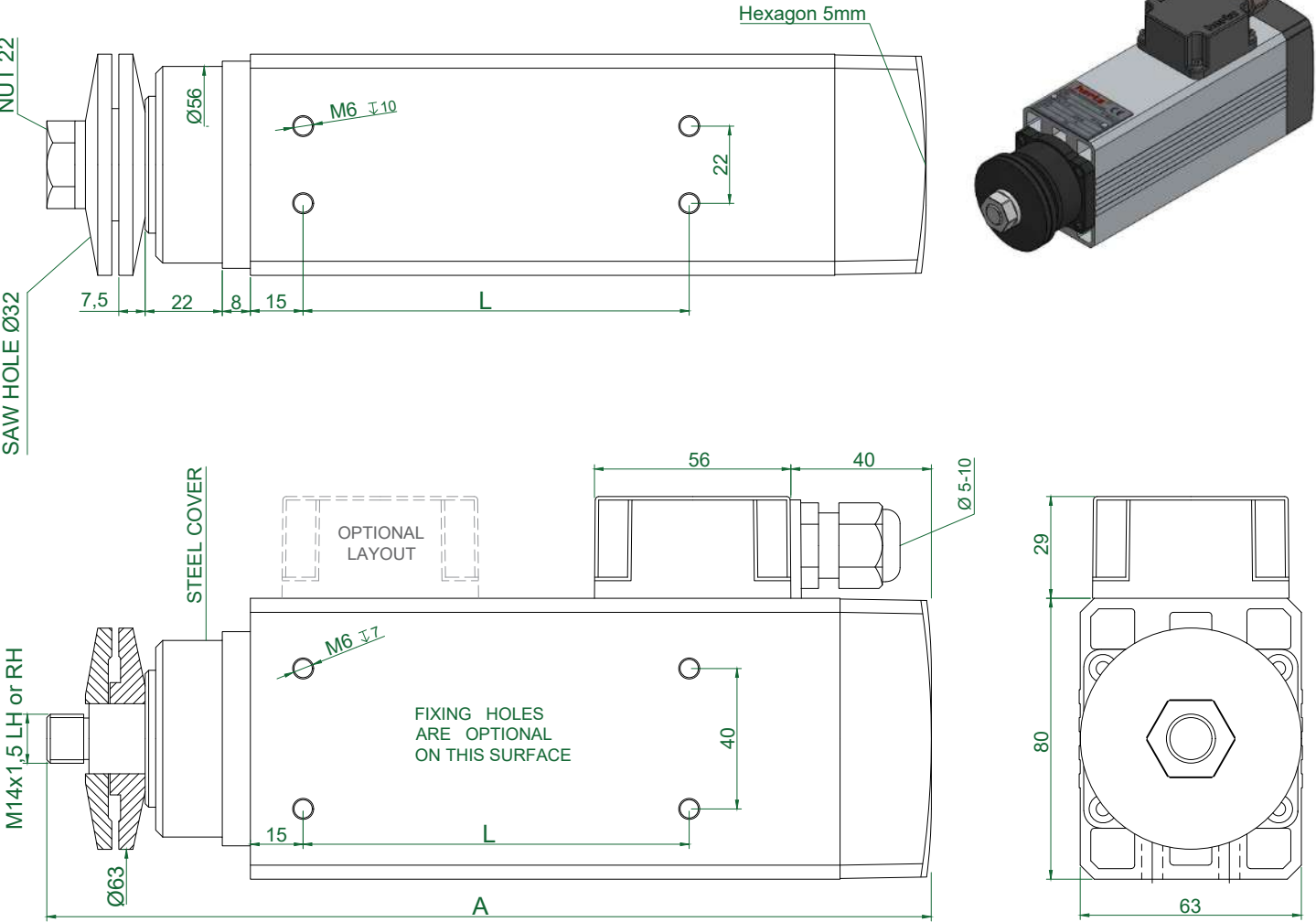


| TYPE                      | A   | L   | Apr. Weight Kg |
|---------------------------|-----|-----|----------------|
| HM55.55_FL20.63.8M-CK-2R  | 85  | 212 | 2,750          |
| HM55.60_FL20.63.8M-CK-2R  | 85  | 217 | 2,800          |
| HM55.70_FL20.63.8M-CK-2R  | 85  | 227 | 2,950          |
| HM55.85_FL20.63.8M-CK-2R  | 110 | 242 | 3,200          |
| HM55.95_FL20.63.8M-CK-2R  | 110 | 252 | 3,350          |
| HM55.115_FL20.63.8M-CK-2R | 110 | 272 | 3,700          |

PLUG CONNECTION (OPTIONAL)

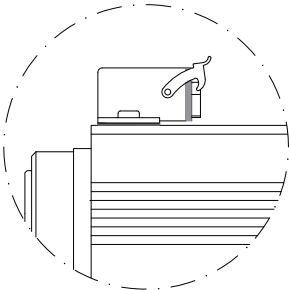


| TYPE      | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|-----------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|           | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM55- 85  | 6000       | 0,22  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 95  | 6000       | 0,27  | 70             | 100  | 150 | 220     | 380      | 220/380 | 1,90       | 1,10     |
| HM55- 115 | 6000       | 0,37  | 70             | 100  | 150 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 55  | 12000      | 0,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,44       | 0,84     |
| HM55- 60  | 12000      | 0,22  | 150            | 200  | 300 | 220     | 380      | 220/380 | 1,50       | 0,87     |
| HM55- 70  | 12000      | 0,35  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,00       | 1,16     |
| HM55- 85  | 12000      | 0,37  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,20       | 1,20     |
| HM55- 95  | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM55- 115 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 3,80       | 2,20     |

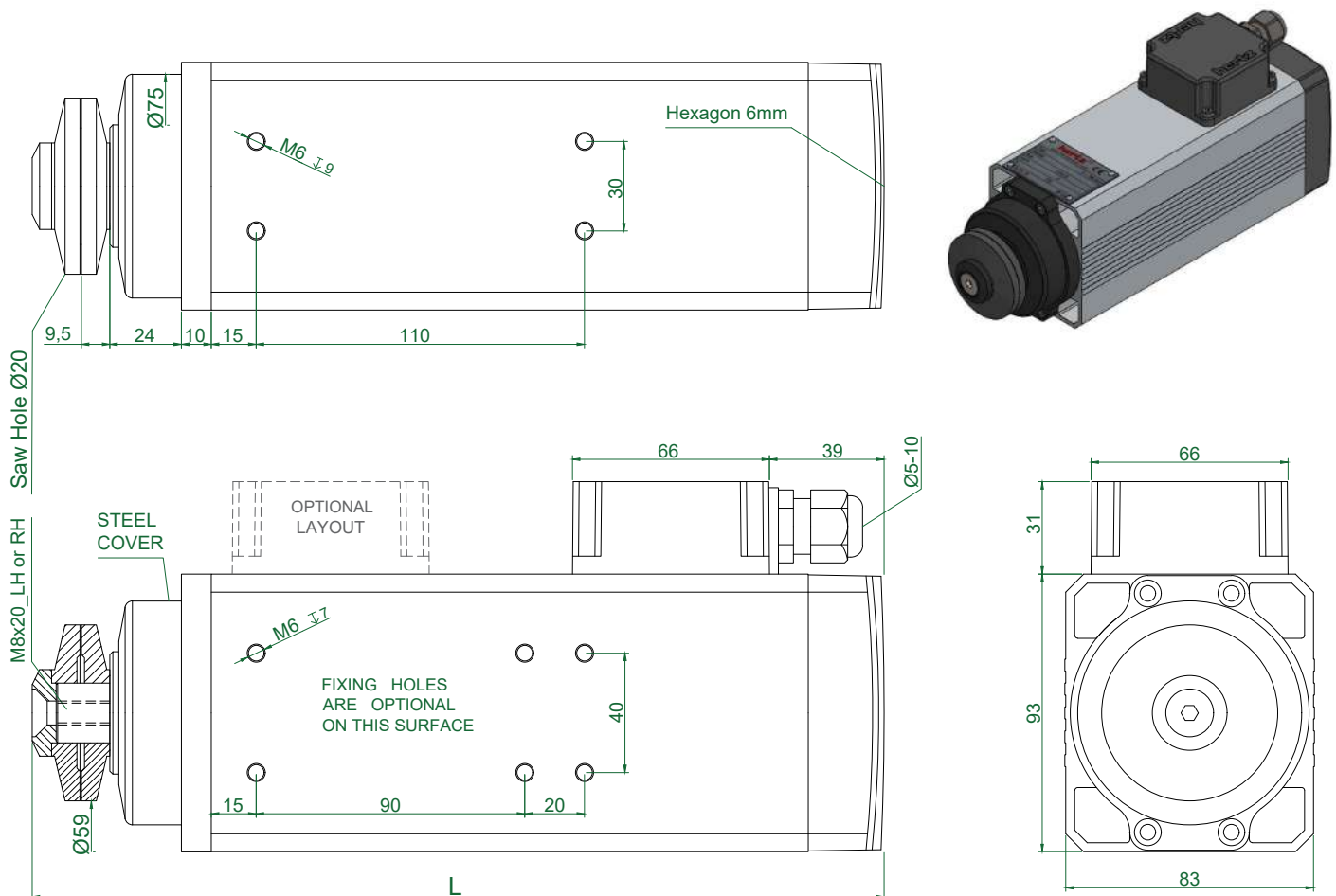


| TYPE                      | A   | L   | Apr. Weight<br>Kg |
|---------------------------|-----|-----|-------------------|
| HM55.55_FL32.63.8M-CK-2R  | 85  | 212 | 2,800             |
| HM55.60_FL32.63.8M-CK-2R  | 85  | 217 | 2,850             |
| HM55.70_FL32.63.8M-CK-2R  | 85  | 227 | 3,000             |
| HM55.85_FL32.63.8M-CK-2R  | 110 | 242 | 3,250             |
| HM55.95_FL32.63.8M-CK-2R  | 110 | 252 | 3,400             |
| HM55.115_FL32.63.8M-CK-2R | 110 | 272 | 3,750             |

PLUG CONNECTION  
(OPTIONAL)

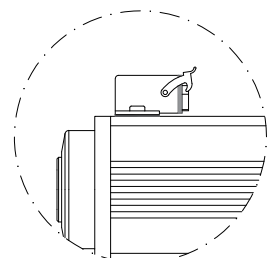


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |          | Absorbtion |      |
|---------|------------|-------|----------------|------|-----|---------|----------|----------|------------|------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v) | A (380v)   |      |
| HM73-17 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380  | 2,60       | 1,50 |
| HM73-09 | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380  | 2,40       | 1,40 |
| HM73-10 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380  | 2,60       | 1,50 |
| HM73-12 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380  | 4,00       | 2,30 |
| HM73-14 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380  | 4,90       | 2,90 |
| HM73-17 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380  | 5,70       | 3,30 |
| HM73-04 | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380  | 2,60       | 1,50 |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380  | 4,00       | 2,30 |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380  | 5,70       | 3,30 |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380  | 6,40       | 3,60 |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380  | 10,0       | 5,80 |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380  | 10,4       | 6,00 |

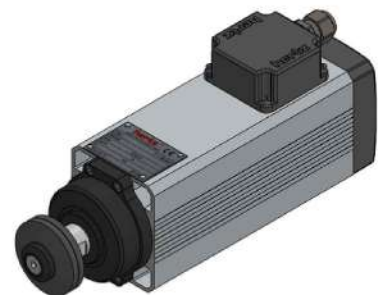
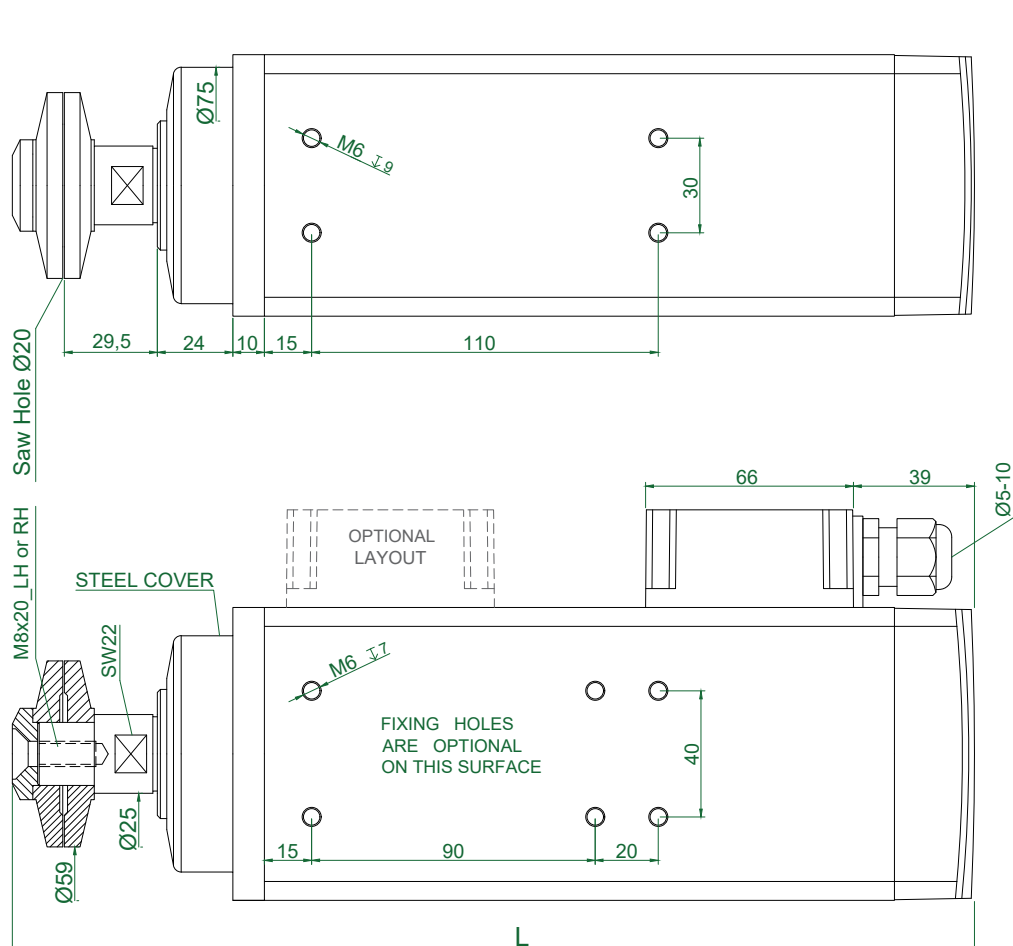


| TYPE                      | L   | Apr. Weight<br>Kg |
|---------------------------|-----|-------------------|
| HM73.09_FL20.59.10F-CK-2R | 256 | 6,300             |
| HM73.10_FL20.59.10F-CK-2R | 266 | 6,600             |
| HM73.12_FL20.59.10F-CK-2R | 286 | 7,250             |
| HM73.14_FL20.59.10F-CK-2R | 306 | 7,800             |
| HM73.17_FL20.59.10F-CK-2R | 336 | 8,800             |

### PLUG CONNECTION (OPTIONAL)

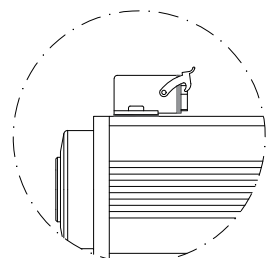


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM73-17 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM73-10 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-12 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-14 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HM73-17 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HM73-04 | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |

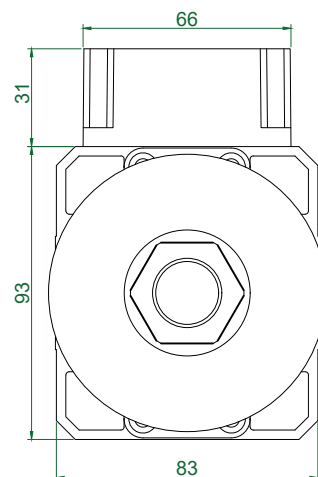
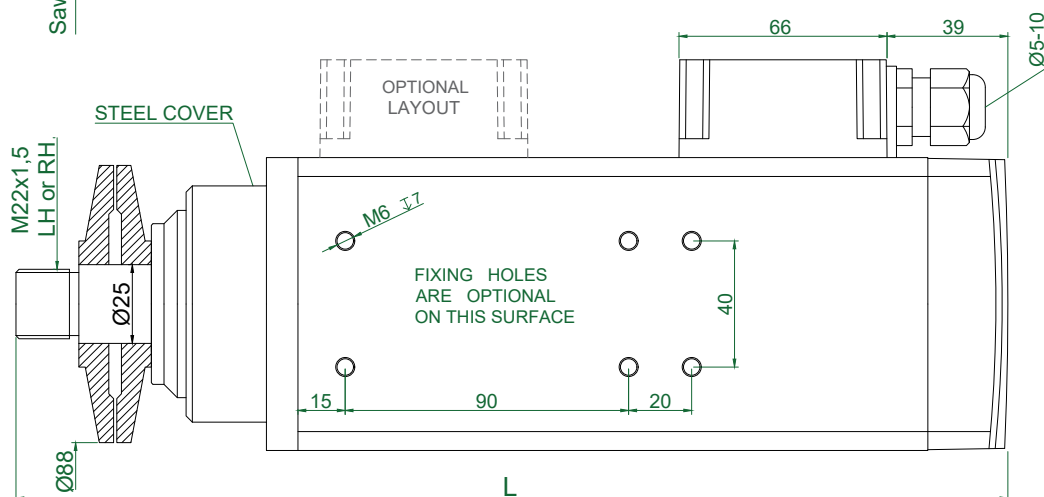
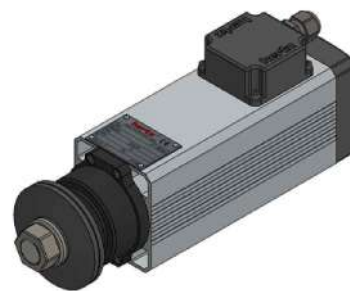
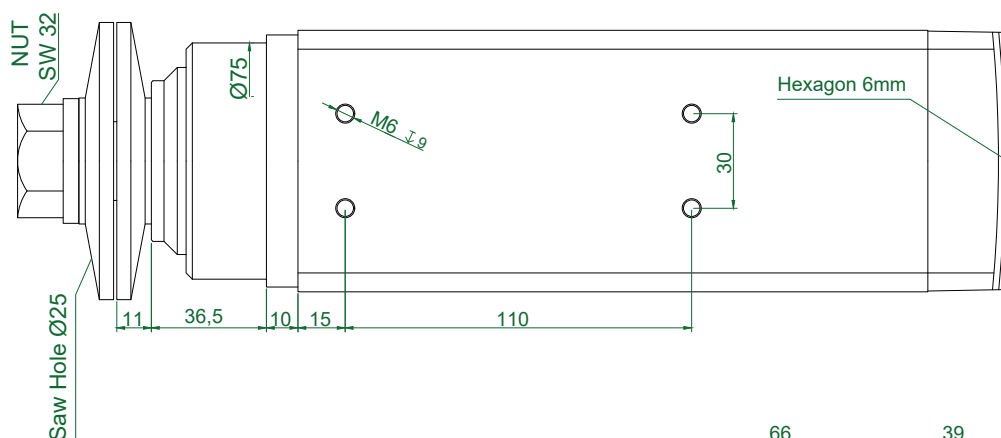


| TYPE                      | L   | Apr. Weight Kg |
|---------------------------|-----|----------------|
| HM73.09_FL20.59.30F-CK-2R | 276 | 6,050          |
| HM73.10_FL20.59.30F-CK-2R | 286 | 6,350          |
| HM73.12_FL20.59.30F-CK-2R | 306 | 7,000          |
| HM73.14_FL20.59.30F-CK-2R | 326 | 7,550          |
| HM73.17_FL20.59.30F-CK-2R | 356 | 8,550          |

PLUG CONNECTION  
(OPTIONAL)

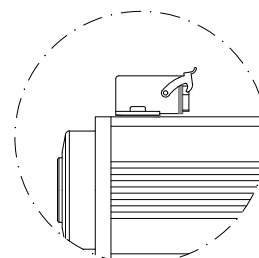


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM73-17 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM73-10 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-12 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-14 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HM73-17 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HM73-04 | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |

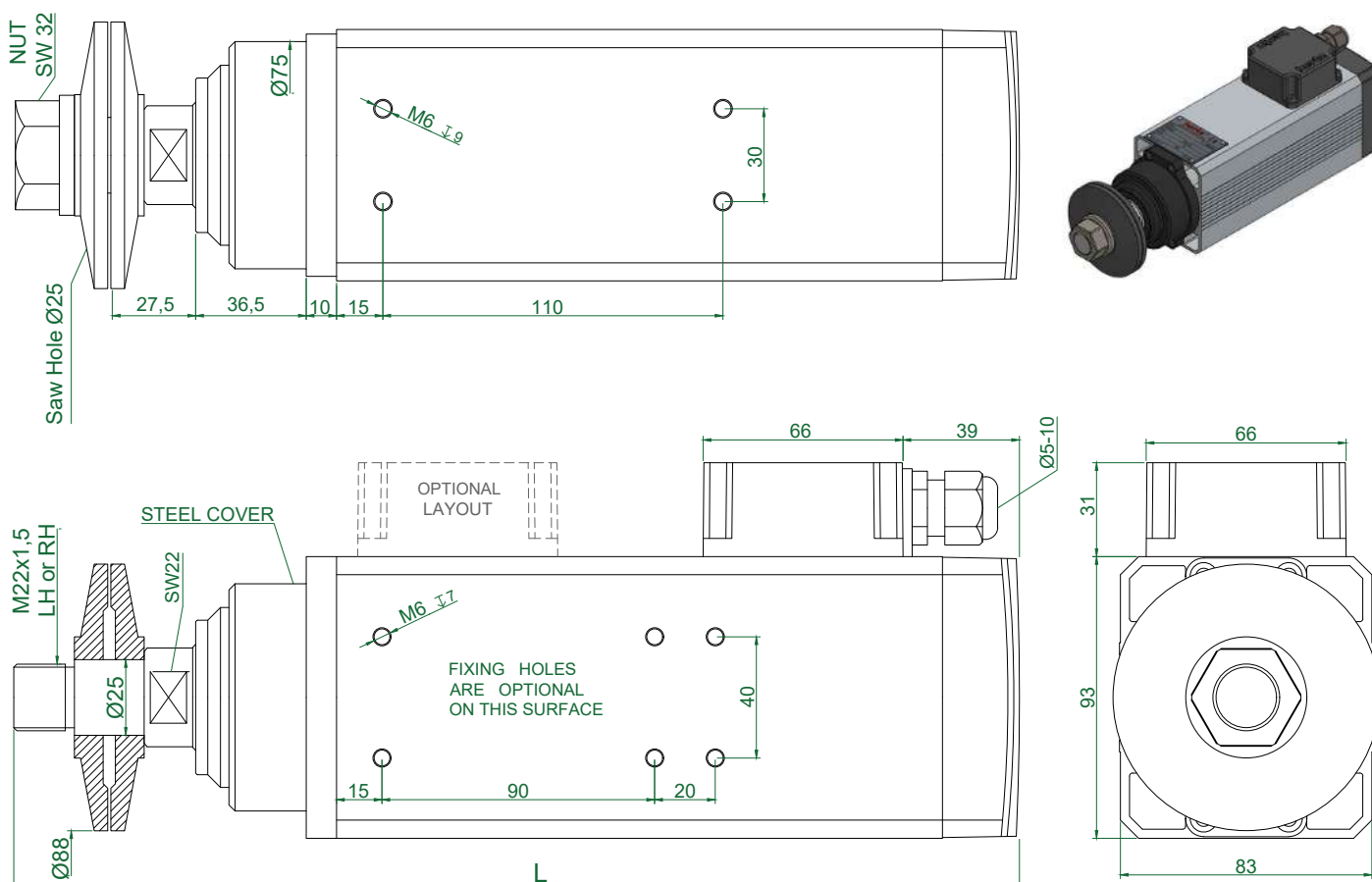


| TYPE                      | L   | Apr. Weight Kg |
|---------------------------|-----|----------------|
| HM73.09_FL25.88.11M-CK-2R | 285 | 7,000          |
| HM73.10_FL25.88.11M-CK-2R | 295 | 7,300          |
| HM73.12_FL25.88.11M-CK-2R | 315 | 7,950          |
| HM73.14_FL25.88.11M-CK-2R | 335 | 8,500          |
| HM73.17_FL25.88.11M-CK-2R | 365 | 9,500          |

PLUG CONNECTION (OPTIONAL)

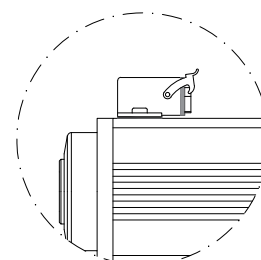


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorption |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM73-17 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM73-10 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-12 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-14 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HM73-17 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HM73-04 | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |

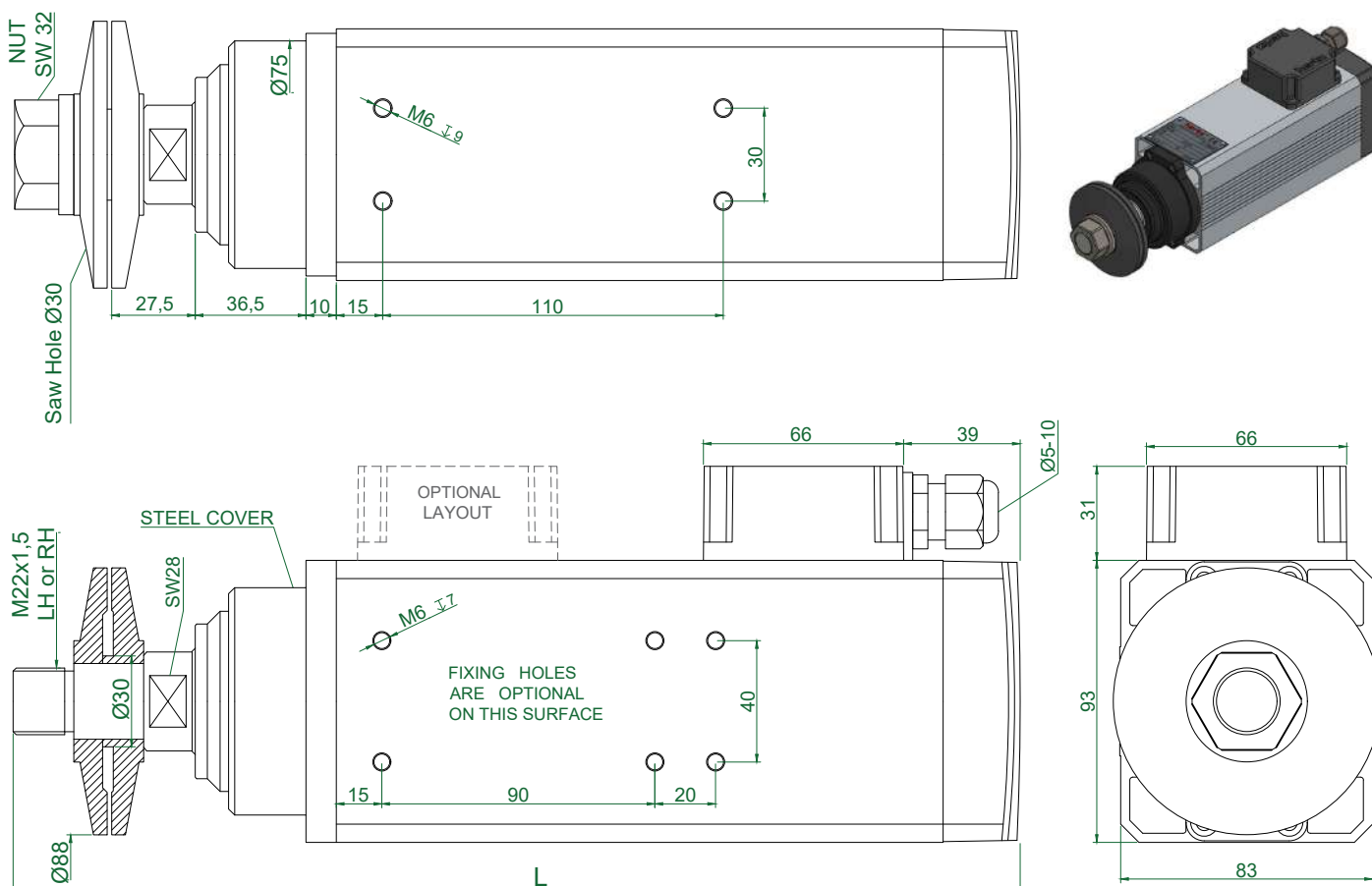


| TYPE                      | L   | Apr. Weight Kg |
|---------------------------|-----|----------------|
| HM73.09_FL25.88.28M-CK-2R | 302 | 7,200          |
| HM73.10_FL25.88.28M-CK-2R | 312 | 7,500          |
| HM73.12_FL25.88.28M-CK-2R | 332 | 8,150          |
| HM73.14_FL25.88.28M-CK-2R | 352 | 8,700          |
| HM73.17_FL25.88.28M-CK-2R | 382 | 9,700          |

PLUG CONNECTION  
(OPTIONAL)

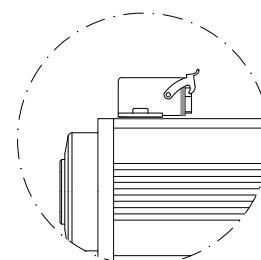


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM73-17 | 3000       | 0,55  | 40             | 50   | 75  | 380     | 220      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 6000       | 0,45  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,40       | 1,40     |
| HM73-10 | 6000       | 0,55  | 70             | 100  | 180 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-12 | 6000       | 0,75  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-14 | 6000       | 0,95  | 70             | 100  | 180 | 220     | 380      | 220/380 | 4,90       | 2,90     |
| HM73-17 | 6000       | 1,10  | 70             | 100  | 180 | 380     | 220      | 220/380 | 5,70       | 3,30     |
| HM73-04 | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 220/380 | 2,60       | 1,50     |
| HM73-09 | 12000      | 0,75  | 150            | 200  | 300 | 220     | 380      | 220/380 | 4,00       | 2,30     |
| HM73-10 | 12000      | 1,10  | 150            | 200  | 300 | 220     | 380      | 220/380 | 5,70       | 3,30     |
| HM73-12 | 12000      | 1,50  | 150            | 200  | 300 | 220     | 380      | 220/380 | 6,40       | 3,60     |
| HM73-14 | 12000      | 2,20  | 150            | 200  | 300 | 220     | 380      | 220/380 | 10,0       | 5,80     |
| HM73-17 | 12000      | 2,60  | 150            | 200  | 300 | 380     | 220      | 220/380 | 10,4       | 6,00     |

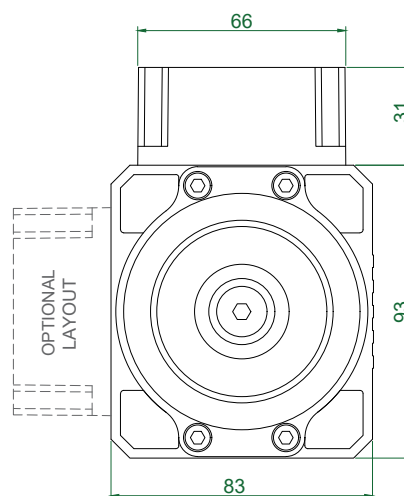
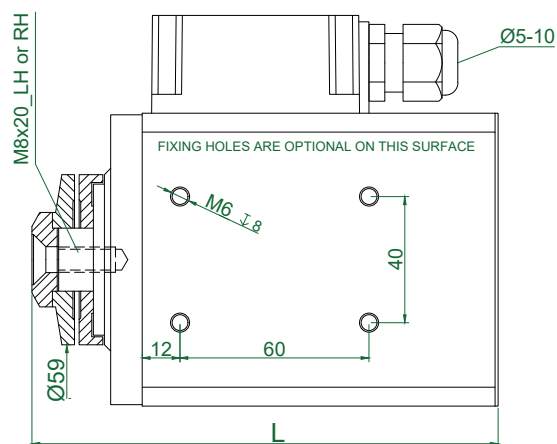
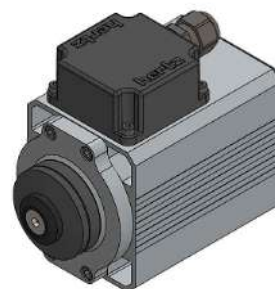
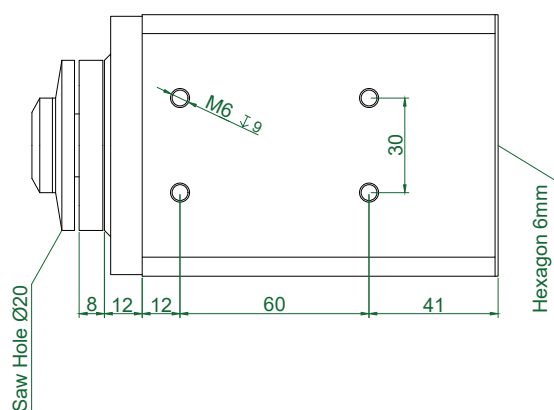


| TYPE                      | L   | Apr. Weight Kg |
|---------------------------|-----|----------------|
| HM73.09_FL30.88.28M-CK-2R | 302 | 7,200          |
| HM73.10_FL30.88.28M-CK-2R | 312 | 7,500          |
| HM73.12_FL30.88.28M-CK-2R | 332 | 8,150          |
| HM73.14_FL30.88.28M-CK-2R | 352 | 8,700          |
| HM73.17_FL30.88.28M-CK-2R | 382 | 9,700          |

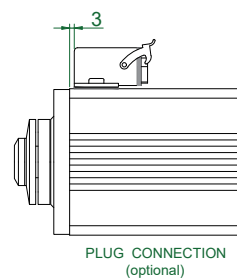
PLUG CONNECTION  
(OPTIONAL)



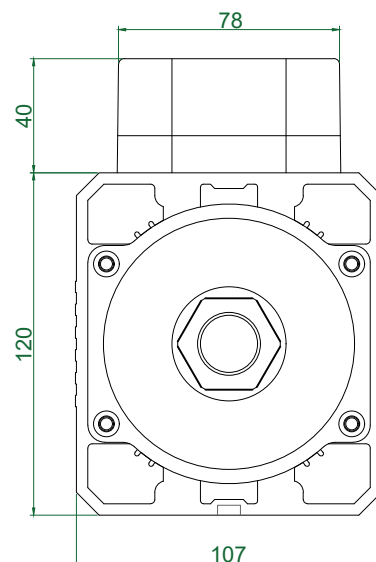
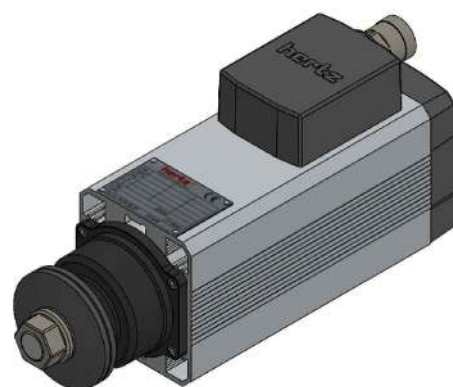
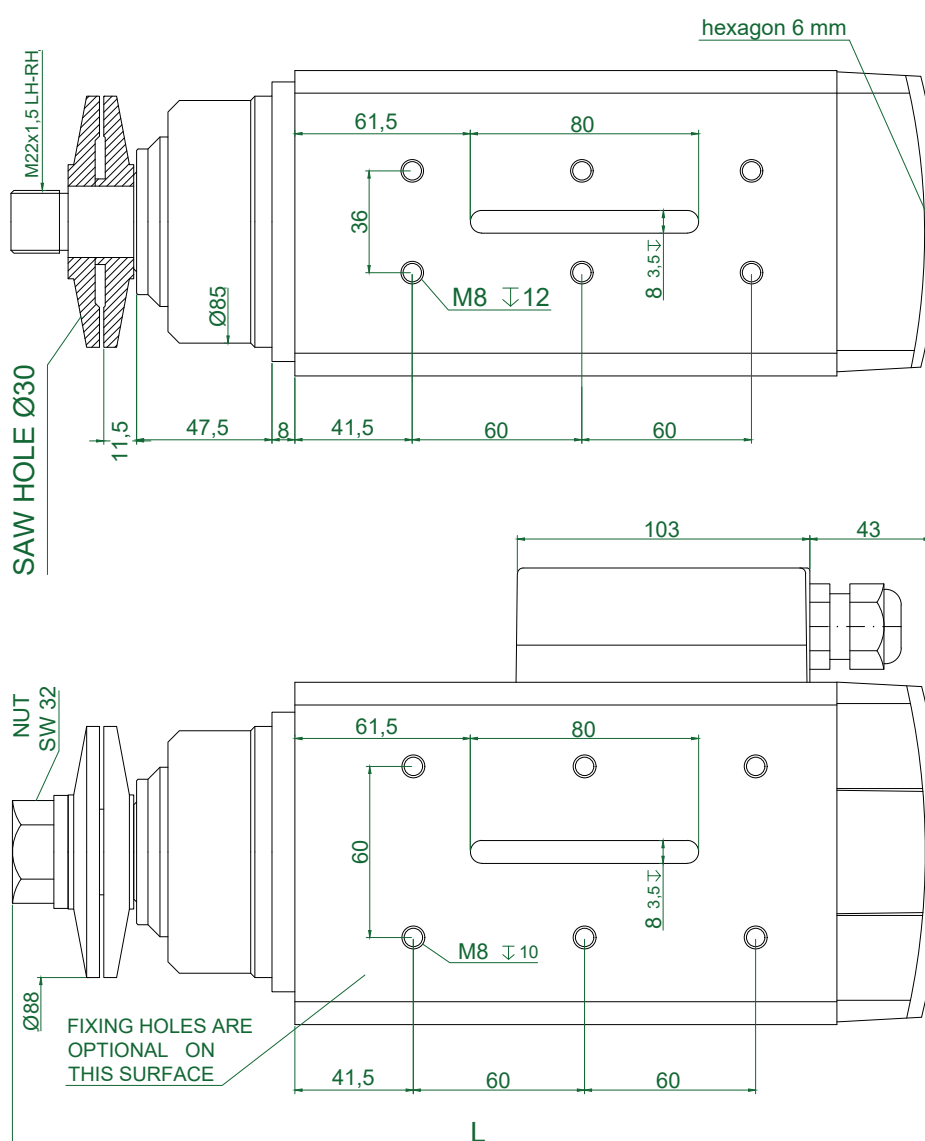
| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          | Absorbition |          |
|---------|------------|-------|----------------|------|-----|---------|----------|-------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional | A (220v)    | A (380v) |
| HM73-04 | 12000      | 0,55  | 150            | 200  | 300 | 220     | 380      | 2,60        | 1,50     |



| TYPE                     | L   | Apr. Weight<br>Kg |
|--------------------------|-----|-------------------|
| HM73.04_FL20.59.8F-AK-1R | 148 | 3,300             |

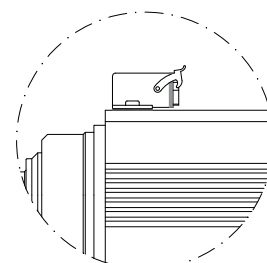


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM90-10 | 3000       | 1,00  | 40             | 50   | 75  | 380     | 220      | 220/380 | 4,90       | 2,90     |
| HM90-14 | 3000       | 1,35  | 40             | 50   | 75  | 380     | 220      | 220/380 | 5,90       | 3,30     |
| HM90-17 | 3000       | 1,50  | 40             | 50   | 75  | 380     | 220      | 220/380 | 6,50       | 3,80     |
| HM90-10 | 6000       | 2,20  | 70             | 100  | 180 | 220     | 380      | 220/380 | 9,50       | 5,50     |
| HM90-14 | 6000       | 3,50  | 70             | 100  | 180 | 380     | 220      | 220/380 | 13,0       | 7,50     |
| HM90-17 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM90-10 | 12000      | 3,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 13,00      | 7,50     |
| HM90-14 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380 | 16,40      | 9,50     |
| HM90-14 | 12000      | 4,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 18,0       | 9,90     |
| HM90-17 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 19,8       | 11,4     |

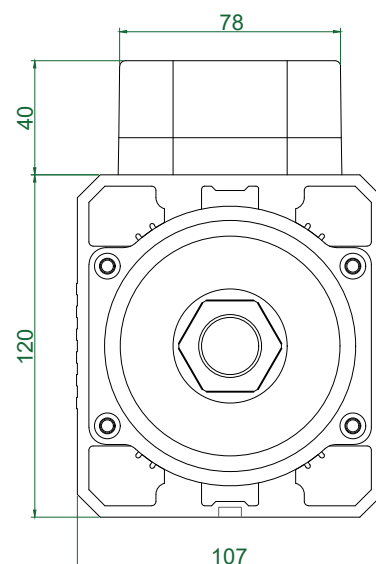
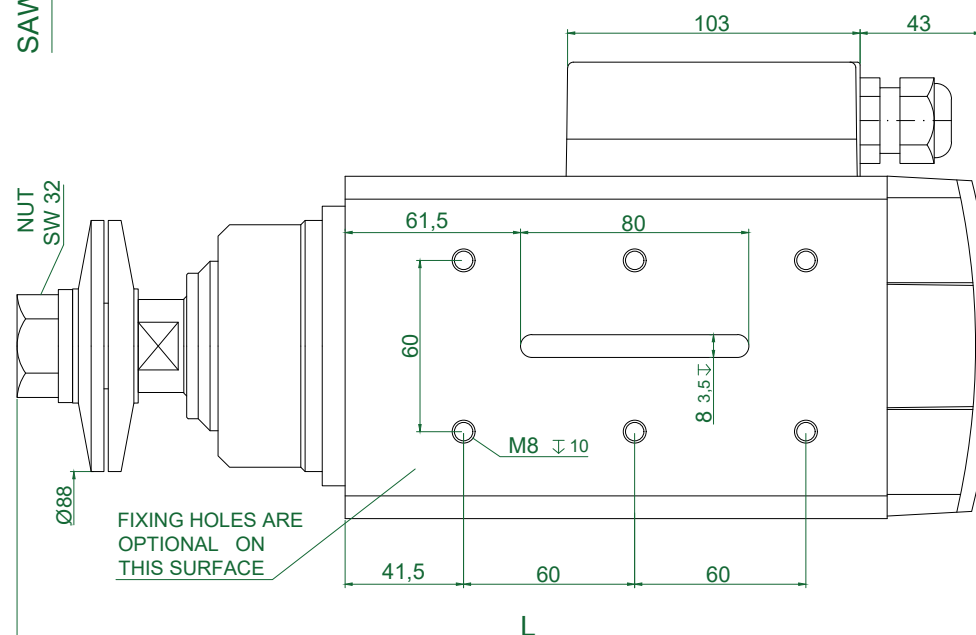
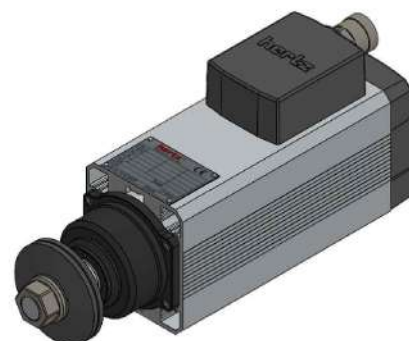
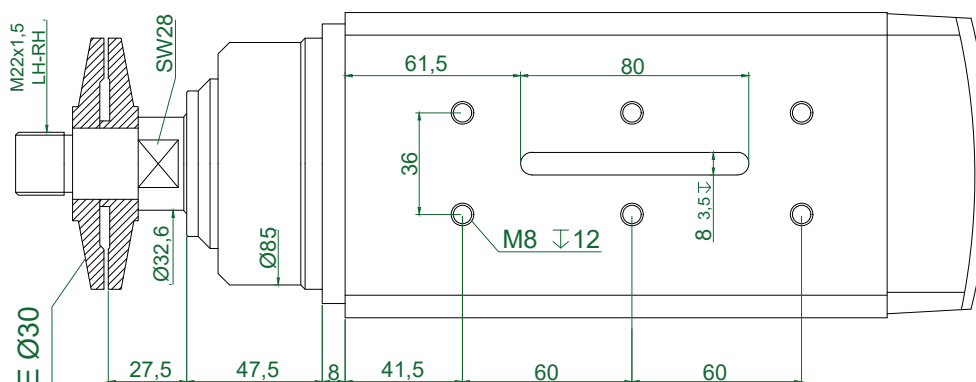


| TYPE                      | L   | Apr. Weight Kg |
|---------------------------|-----|----------------|
| HM90.10_FL30.88.12M-CK-2R | 322 | 12,000         |
| HM90.14_FL30.88.12M-CK-2R | 362 | 14,150         |
| HM90.17_FL30.88.12M-CK-2R | 392 | 15,650         |

PLUG CONNECTION  
(optional)

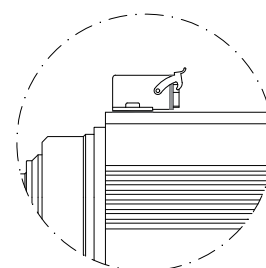


| TYPE    | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbion |          |
|---------|------------|-------|----------------|------|-----|---------|----------|---------|-----------|----------|
|         | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)  | A (380v) |
| HM90-10 | 3000       | 1,00  | 40             | 50   | 75  | 380     | 220      | 220/380 | 4,90      | 2,90     |
| HM90-14 | 3000       | 1,35  | 40             | 50   | 75  | 380     | 220      | 220/380 | 5,90      | 3,30     |
| HM90-17 | 3000       | 1,50  | 40             | 50   | 75  | 380     | 220      | 220/380 | 6,50      | 3,80     |
| HM90-10 | 6000       | 2,20  | 70             | 100  | 180 | 220     | 380      | 220/380 | 9,50      | 5,50     |
| HM90-14 | 6000       | 3,50  | 70             | 100  | 180 | 380     | 220      | 220/380 | 13,0      | 7,50     |
| HM90-17 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380 | 16,4      | 9,50     |
| HM90-10 | 12000      | 3,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 13,00     | 7,50     |
| HM90-14 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380 | 16,40     | 9,50     |
| HM90-14 | 12000      | 4,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 18,0      | 9,90     |
| HM90-17 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 19,8      | 11,4     |

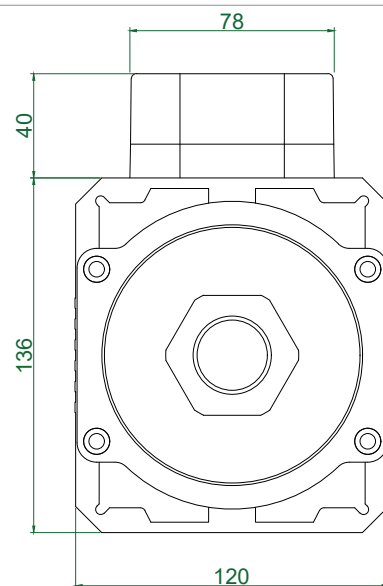
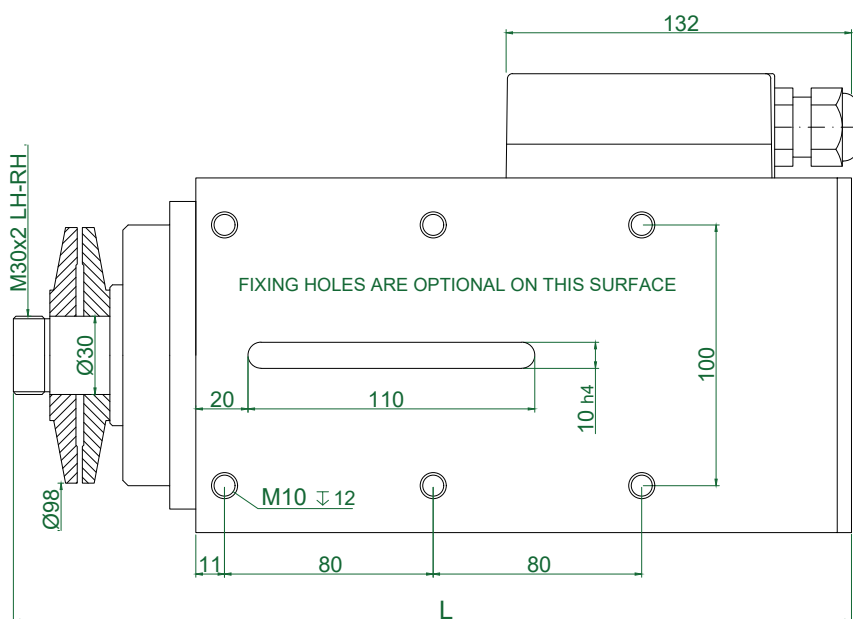
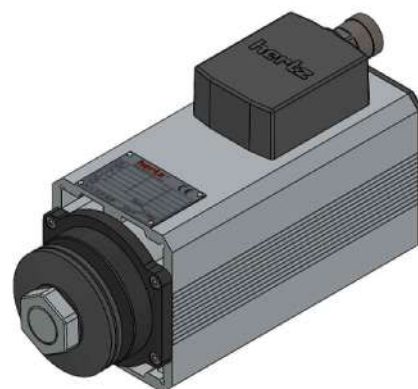
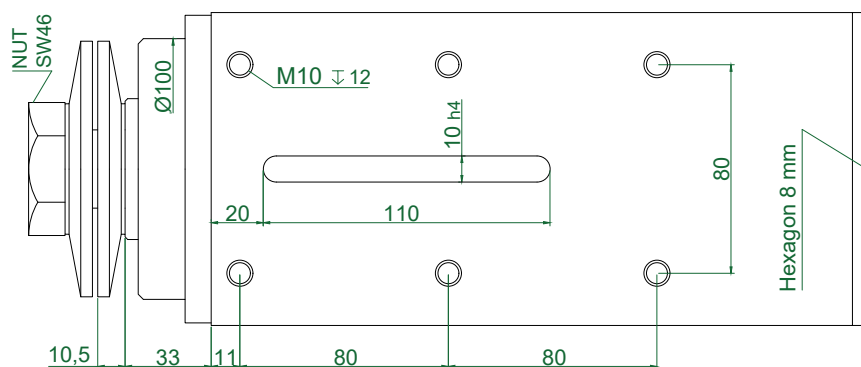


| TYPE                      | L   | Apr. Weight Kg |
|---------------------------|-----|----------------|
| HM90.10_FL30.88.28M-CK-2R | 339 | 12,100         |
| HM90.14_FL30.88.28M-CK-2R | 379 | 14,250         |
| HM90.17_FL30.88.28M-CK-2R | 409 | 15,750         |

PLUG CONNECTION  
(optional)

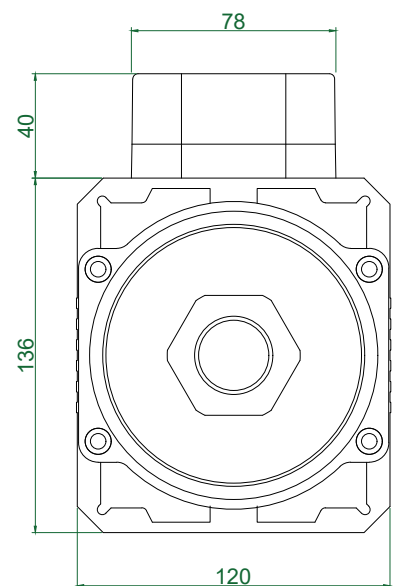
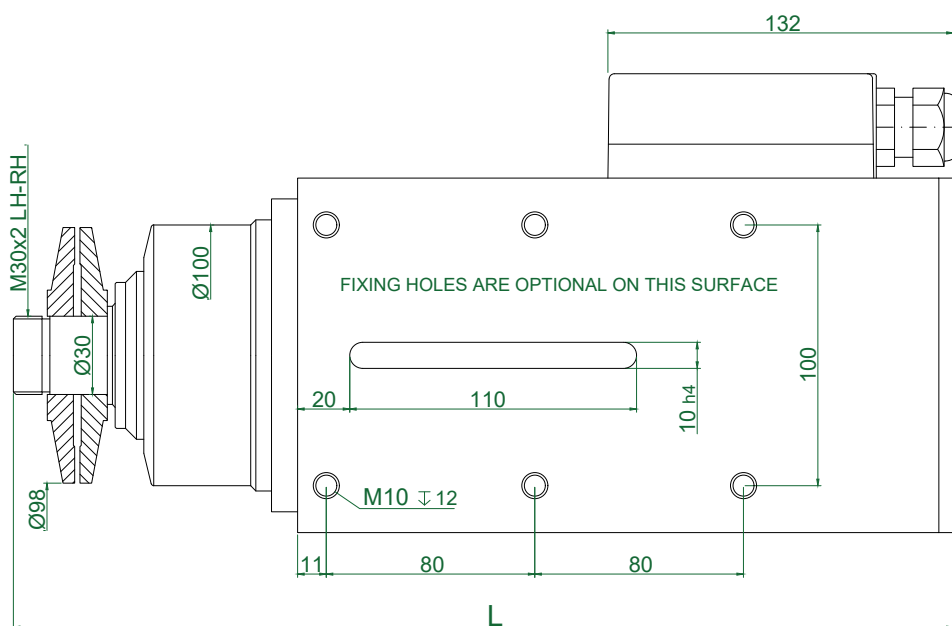
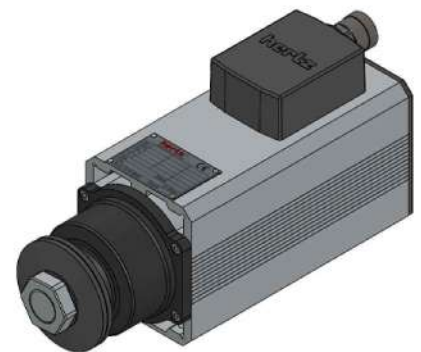
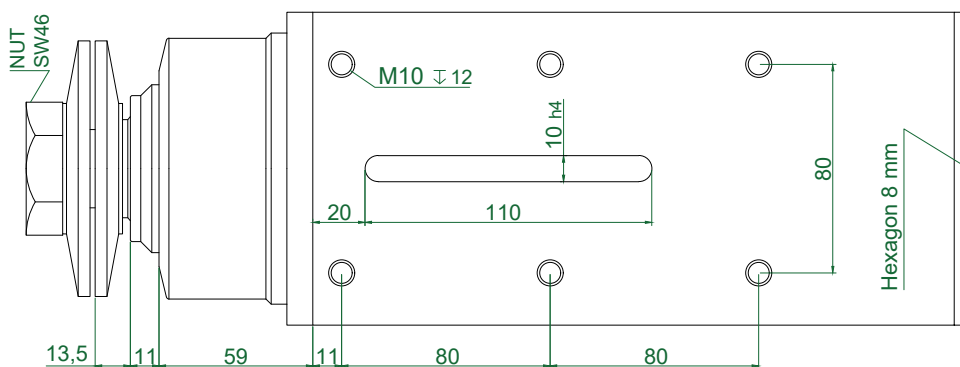


| TYPE     | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbion |          |
|----------|------------|-------|----------------|------|-----|---------|----------|---------|-----------|----------|
|          | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)  | A (380v) |
| HM110-10 | 3000       | 2,20  | 40             | 50   | 75  | 220     | 380      | 220/380 | 9,50      | 5,50     |
| HM110-12 | 3000       | 3,00  | 40             | 50   | 75  | 380     | 220      | 220/380 | 12,5      | 7,20     |
| HM110-10 | 6000       | 3,00  | 140            | 200  | 360 | 380     | 220      | 220/380 | 12,5      | 7,20     |
| HM110-10 | 6000       | 3,00  | 70             | 100  | 180 | 380     | 220      | 220/380 | 12,5      | 7,20     |
| HM110-10 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380 | 16,4      | 9,50     |
| HM110-10 | 6000       | 4,00  | 70             | 100  | 180 | 380     | 220      | 220/380 | 16,4      | 9,50     |
| HM110-12 | 6000       | 5,50  | 140            | 200  | 360 | 380     | 220      | 220/380 | 19,8      | 11,40    |
| HM110-12 | 6000       | 5,50  | 70             | 100  | 180 | 380     | 220      | 220/380 | 19,8      | 11,40    |
| HM110-10 | 12000      | 4,00  | 300            | 400  | 600 | 380     | 220      | 220/380 | 16,4      | 9,50     |
| HM110-10 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380 | 16,4      | 9,50     |
| HM110-10 | 12000      | 5,50  | 300            | 400  | 600 | 380     | 220      | 220/380 | 19,8      | 11,40    |
| HM110-10 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 19,8      | 11,40    |
| HM110-12 | 12000      | 7,50  | 300            | 400  | 600 | 380     | 220      | 220/380 | 28,7      | 16,6     |
| HM110-12 | 12000      | 7,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 28,7      | 16,6     |



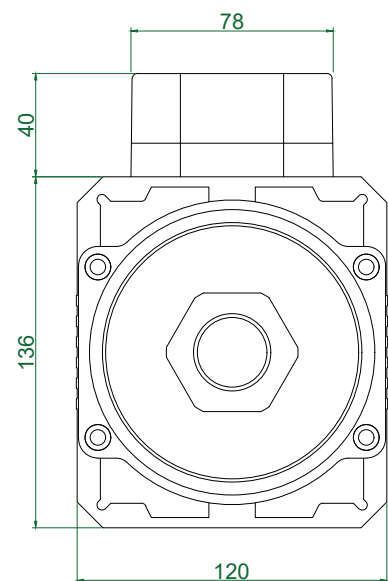
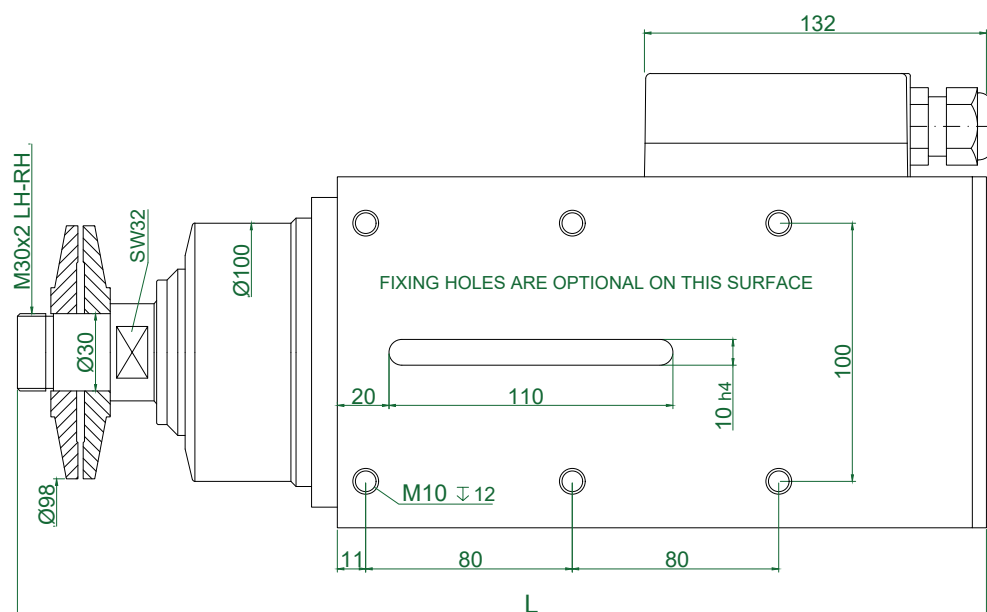
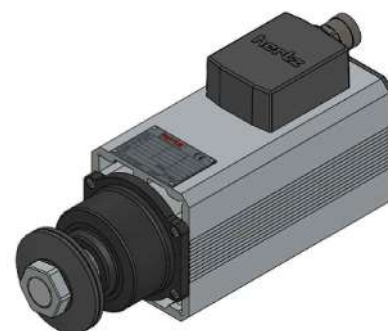
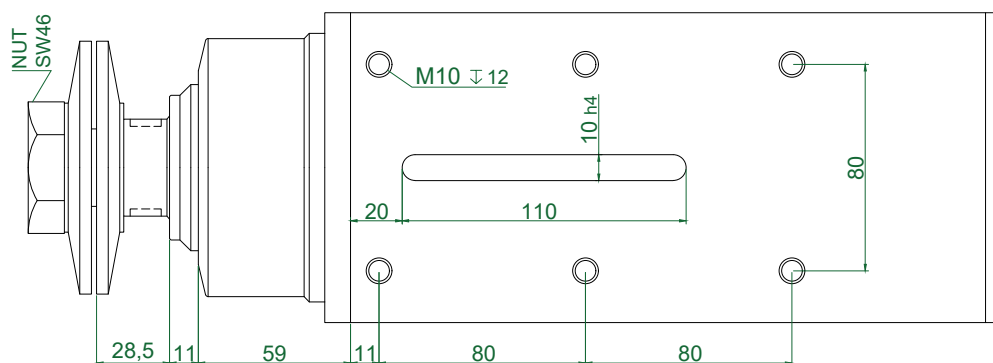
| TYPE                       | L   | Apr. Weight |
|----------------------------|-----|-------------|
|                            |     | Kg          |
| HM110.10_FL30.98.11M-CK-1R | 302 | 13,700      |
| HM110.12_FL30.88.11M-CK-1R | 322 | 15,000      |

| TYPE     | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|----------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|          | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM110-10 | 3000       | 2,20  | 40             | 50   | 75  | 220     | 380      | 220/380 | 9,50       | 5,50     |
| HM110-12 | 3000       | 3,00  | 40             | 50   | 75  | 380     | 220      | 220/380 | 12,5       | 7,20     |
| HM110-10 | 6000       | 3,00  | 140            | 200  | 360 | 380     | 220      | 220/380 | 12,5       | 7,20     |
| HM110-10 | 6000       | 3,00  | 70             | 100  | 180 | 380     | 220      | 220/380 | 12,5       | 7,20     |
| HM110-10 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM110-10 | 6000       | 4,00  | 70             | 100  | 180 | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM110-12 | 6000       | 5,50  | 140            | 200  | 360 | 380     | 220      | 220/380 | 19,8       | 11,40    |
| HM110-12 | 6000       | 5,50  | 70             | 100  | 180 | 380     | 220      | 220/380 | 19,8       | 11,40    |
| HM110-10 | 12000      | 4,00  | 300            | 400  | 600 | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM110-10 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM110-10 | 12000      | 5,50  | 300            | 400  | 600 | 380     | 220      | 220/380 | 19,8       | 11,40    |
| HM110-10 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 19,8       | 11,40    |
| HM110-12 | 12000      | 7,50  | 300            | 400  | 600 | 380     | 220      | 220/380 | 28,7       | 16,6     |
| HM110-12 | 12000      | 7,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 28,7       | 16,6     |



| TYPE                       | L   | Apr. Weight<br>Kg |
|----------------------------|-----|-------------------|
| HM110.10_FL30.98.14M-CK-2R | 341 | 17,400            |
| HM110.12_FL30.98.14M-CK-2R | 361 | 18,700            |

| TYPE     | Base Speed | Power | Frequency (Hz) |      |     | Voltage |          |         | Absorbtion |          |
|----------|------------|-------|----------------|------|-----|---------|----------|---------|------------|----------|
|          | rpm        | kW    | Min            | Base | Max | Base    | Optional |         | A (220v)   | A (380v) |
| HM110-10 | 3000       | 2,20  | 40             | 50   | 75  | 220     | 380      | 220/380 | 9,50       | 5,50     |
| HM110-12 | 3000       | 3,00  | 40             | 50   | 75  | 380     | 220      | 220/380 | 12,5       | 7,20     |
| HM110-10 | 6000       | 3,00  | 140            | 200  | 360 | 380     | 220      | 220/380 | 12,5       | 7,20     |
| HM110-10 | 6000       | 3,00  | 70             | 100  | 180 | 380     | 220      | 220/380 | 12,5       | 7,20     |
| HM110-10 | 6000       | 4,00  | 140            | 200  | 360 | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM110-10 | 6000       | 4,00  | 70             | 100  | 180 | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM110-12 | 6000       | 5,50  | 140            | 200  | 360 | 380     | 220      | 220/380 | 19,8       | 11,40    |
| HM110-12 | 6000       | 5,50  | 70             | 100  | 180 | 380     | 220      | 220/380 | 19,8       | 11,40    |
| HM110-10 | 12000      | 4,00  | 300            | 400  | 600 | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM110-10 | 12000      | 4,00  | 150            | 200  | 300 | 380     | 220      | 220/380 | 16,4       | 9,50     |
| HM110-10 | 12000      | 5,50  | 300            | 400  | 600 | 380     | 220      | 220/380 | 19,8       | 11,40    |
| HM110-10 | 12000      | 5,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 19,8       | 11,40    |
| HM110-12 | 12000      | 7,50  | 300            | 400  | 600 | 380     | 220      | 220/380 | 28,7       | 16,6     |
| HM110-12 | 12000      | 7,50  | 150            | 200  | 300 | 380     | 220      | 220/380 | 28,7       | 16,6     |



| TYPE                       | L   | Apr. Weight Kg |
|----------------------------|-----|----------------|
| HM110.10_FL30.98.29M-CK-2R | 356 | 17,700         |
| HM110.12_FL30.98.29M-CK-2R | 376 | 19,000         |



Önder Mahallesi, Akçakale Caddesi No: 19 Siteler 06165 Altındağ - Ankara / TURKEY  
[www.hertzmotor.com](http://www.hertzmotor.com) [info@hertzmotor.com](mailto:info@hertzmotor.com) T: +90.312.353 33 03 F: +90.312.348 74 74