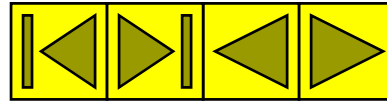


ELECTRIC VIBRATORS FOR INDUSTRY

“SPV” & “SPC”

SERIES



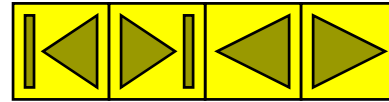
THE PRODUCT

The Newest Design in the World: a range of Electric Vibrator Motors designed and built by vibration engineers and specialists, incorporating the existing highest standards and adding the latest innovative technology to obtain quality, performance and reliability.

A cleverly balanced range with logical output increases both in terms of centrifugal force and power: each model is individually sized (no up-rating by fitting larger weights to get higher centrifugal force with no corresponding power increase).

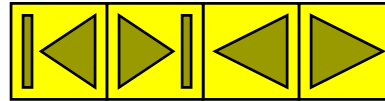
Visam Vibrator Motors are priced to give exceptional value and not engineered down to a price.





DESIGNED FOR INDUSTRIAL APPLICATIONS





GENERAL FEATURES

ELECTRICAL FEED

From 42 up to 700 V at 50 & 60 Hz 3-phase
From 110 up to 240 V at 50 & 60 Hz 1-phase
Perfect performance under inverter control

POLES

2, 4, 6, 8, 10 & 12 poles

CENTRIFUGAL FORCE

From 100 up to 20.000 Kg / Adjusted at 80%
Continuous adjusting from 0% to maximum 100%

DUTY

Heavy and continuous at maximum Centrifugal Force

MECHANICAL PROTECTION

IP 66.7

INSULATION CLASS

“F” standard
“H” on request

TROPICALISATION

Standard

LUBRICATION

For Life up to size 4
Long Life from size 4.1 upwards

AMBIENT TEMPERATURE RANGE

From -20° up to +40 °C

THERMAL PROTECTION

Standard from size 10
Up to size 9 on request

MOUNTING CONFIGURATIONS

Any position

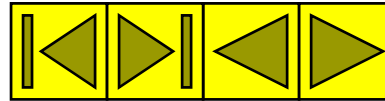
FINISH

Powder coated
Blue RAL 5010 / Yellow RAL 1003

TESTING

All units undergo a dynamic test-run (with unbalanced weights) before leaving the factory



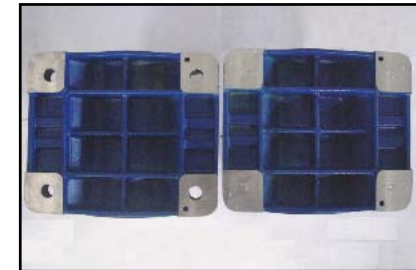


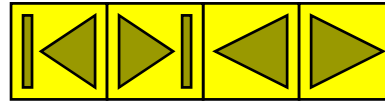
HIGHLIGHTS / ADVANTAGES

STATOR HOUSING



- Aluminum Alloy up to frame size 6
- Spheroidal Cast Iron GS 400/15 from size 7 upwards
- Size 5, 6, and 7 available in both materials
- Strong design thanks to the honeycomb structure with radial and axial ribs from underneath the base plate to the side of the housing
- Vertical ribs allow additional surface area for dissipation of heat
- Base plate foot mounting
- Blank footprint is available to be drilled to match fixing dimensions of most other brands of vibrating motors
- Four lifting lugs to accommodate any lifting position requirement
- Large terminal box for easier access to wiring with axial inlet cable gland to minimize feeding cable vibration



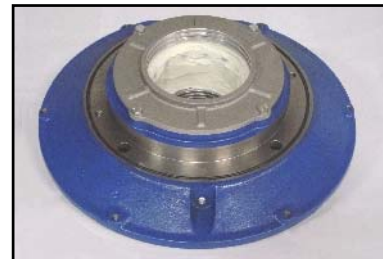


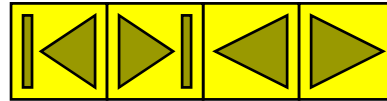
HIGHLIGHTS / ADVANTAGES

BEARING HOUSING



- Cast Iron G30 for all sizes to allow for maximum clamping forces of bearings, thus maximizing bearing life
- Radial ribs to ensure maximum rigidity for the bearing housing and better heat dissipation
- Threaded extraction holes for ease in disassembly of bearing housing and bearings, no need for “hammers and torches”
- Labyrinth sealing system
- Machined to allow for improved axial o-ring sealing
- Grease nipples are located inside the weight covers to prevent damage
- Multiple lubrication channels are available





HIGHLIGHTS / ADVANTAGES

COUNTER WEIGHTS



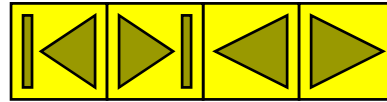
- Steel lamellar weights for 2 poles
- Fabricated steel weights for 4,6,8,10,12 poles
- New easy weight clamping design
- Smart adjusting disc / No weight setting errors
- Retaining circle clip to prevent weights from dropping



COVERS

- Pressed-steel weight covers
- Aluminum terminal box covers
- Light and strong shaped
- Axial O- Ring sealing housing
- Internal and external powder coating





HIGHLIGHTS / ADVANTAGES

WOUND STATOR

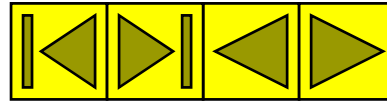
- Low loss magnetic lamination stack to ensure low heat generation
- Special crown design winding
- Oversized dimension
- Epoxy resin esters used for impregnation of windings to allow for vibration



ROTOR & SHAFT

- Special steel alloy material
- Heat tempered and precision ground
- Low loss magnetic core lamination stack rotor to ensure low heat generation





HIGHLIGHTS / ADVANTAGES

BEARINGS

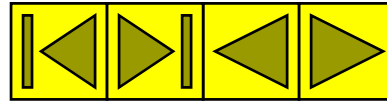
- Premium quality sealed ball bearings up to frame size 4
- Premium quality and very special logarithmic profile C4 cylindrical roller bearing (FAG-QP51 / SKF-VQ015)
- Polyamide cage up to size 12
- Brass cage from size 13 upwards



OTHER COMPONENTS

- Galvanized 8.8 class bolts
- Schnorr steel washers
- Metal cable gland and plug
- Silicon rubber inside terminal box
- Sponges to keep electrical feed wires free of vibration



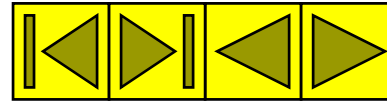


HIGHLIGHTS / ADVANTAGES

EASY AND SAFE HANDLING

- Four Lifting Lugs are cast as part of the motor housing and are positioned to allow alternative mounting arrangements of the vibrator motor to the machine (depending on the pair of lugs selected: extremely user-friendly from medium frame sizes up).

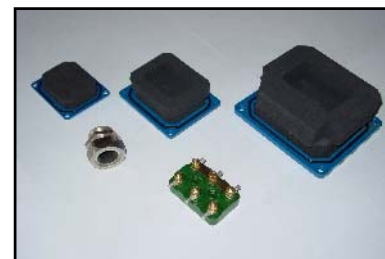


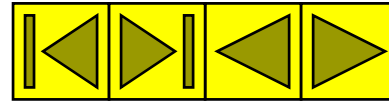


HIGHLIGHTS / ADVANTAGES

EASY AND SAFE WIRING

- The large dimension of the terminal box allows for ease in wiring.
- The soft silicon rubber (not resin) encapsulates the wires coming from the wound stator and can be easily removed in case maintenance is required
- Sponges are provided to ensure no vibration to the feeding cable wires
- The terminal block allows both “star” or “delta” connections
- Thermistor terminal block are available from frame size 10 upwards to connect to temperature monitoring devices
- High quality metal cable gland (not plastic) is positioned so that the cable is in line with the axis of the motor, thus reducing cable flexing and pre-mature electrical failure; tapered and increased size cable entry into terminal box from cable gland for easier feeding in of cable itself





QUESTIONS & ANSWERS

**THANKS FOR YOUR ATTENTION
YOUR BUSINESS WILL BE ALWAYS
APPRECIATED**

VISAM srl



VIBRATORS