



# DC38 Combinations

## DC Geared Motors

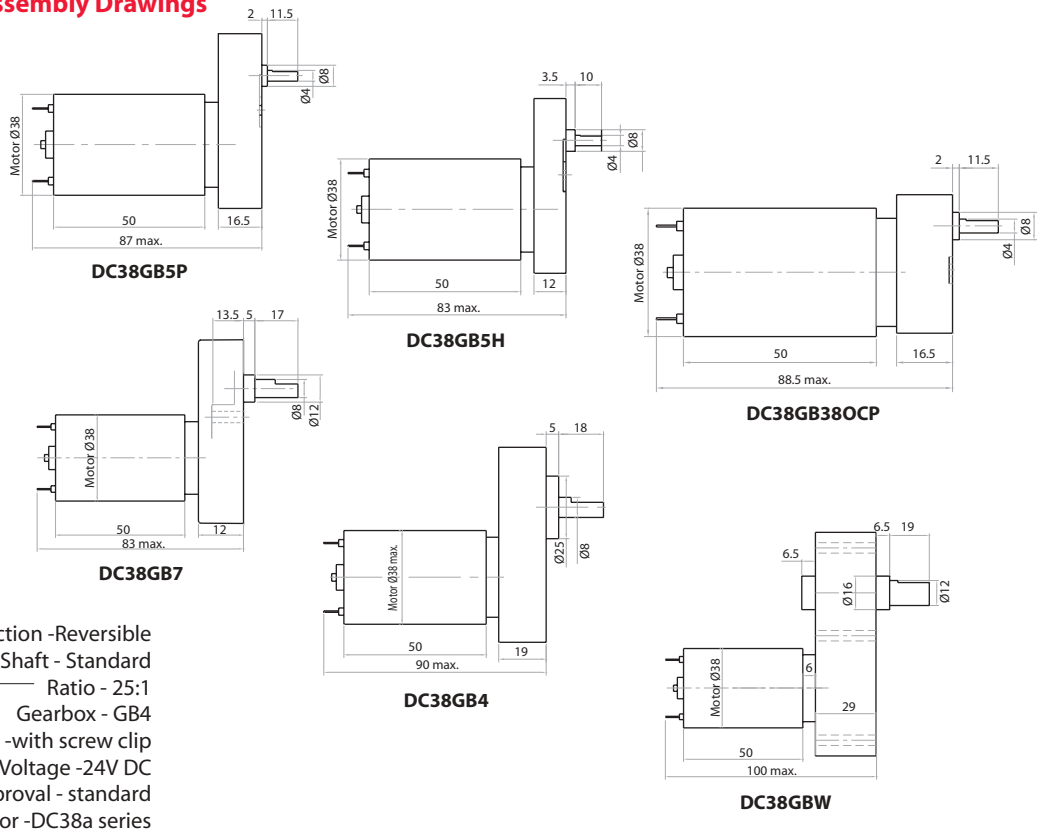
### Design

Motor DC38 is a carbon brush DC motor which is used in combination with many Mech Tex gearheads. The standard gearheads used in conjunction with this motor are GB5P, GB5H, GB38OCP, GB3, GB4, GB7, GB8 & GBW. Depending on the application, output speed, load applied, etc. the type of gearhead can be selected. Various types of gears i.e. poly acetal, sintered iron, brass or steel gears can be used based on the requirement. Poly acetal or sintered gears damp the noise. Case hardened steel gears are always on the output for load considerations. Complete poly acetal gears are used when the output torque required is low. Linear drive is possible with gearhead GB4, GB7, GBW with M6 x 1 mm pitch screw. The linear guide & screw arrangement can be done only on special request.

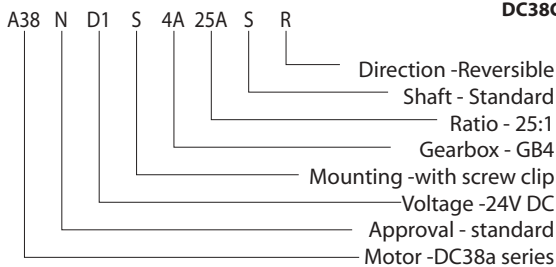
### Motor Data

MECH-TEX	Physical Data	NO LOAD DATA				Data At Max-Efficiency				Stall		
MODEL No.	Dim.mm	V DC	Speed RPM	Current A	Speed RPM	Current Amps	Torque Grcm	Effic. (%)	Power W(out)	Power W(in)	Torque gm-cm	Current mA
DC38a	36.3 X 50.1	24	5000	0.090	4184	0.480	178.300	69	7.661	11.103	1270.900	2860.000
DC38a	36.3 X 50.1	12	2500	0.080	1998	0.308	106.400	62	2.183	3.543	629.270	1437.000
DC38a	36.3 X 50.1	6	1200	0.080	821	0.216	65.100	45	0.549	1.208	247.940	593.000
DC38b	36 X 50.1	12	5000	0.200	3747	0.867	155.800	59	5.995	10.186	784.000	3490.000
DC38b	36 X 50.1	6	2500	0.180	1845	0.426	67.930	54	1.287	2.367	355.710	1664.000
DC38b	36 X 50.1	3	1200	0.160	754	0.314	43.730	42	0.339	0.803	158.556	794.000
DC38c	36.3 X 50.1	6	5200	0.600	4466	2.181	191.000	68	8.760	12.891	1520.700	14930.000
DC38c	36.3 X 50.1	3	2600	0.500	2136	1.268	97.370	57	2.136	3.751	629.120	6425.000
DC38c	36.3 X 50.1	1.5	1200	0.450	798	1.021	70.450	39	0.577	1.483	284.586	3097.000

### Assembly Drawings



### Ordering Data (eg:)



### Photographs

