



DC33 Combinations

DC Geared Motors

Design

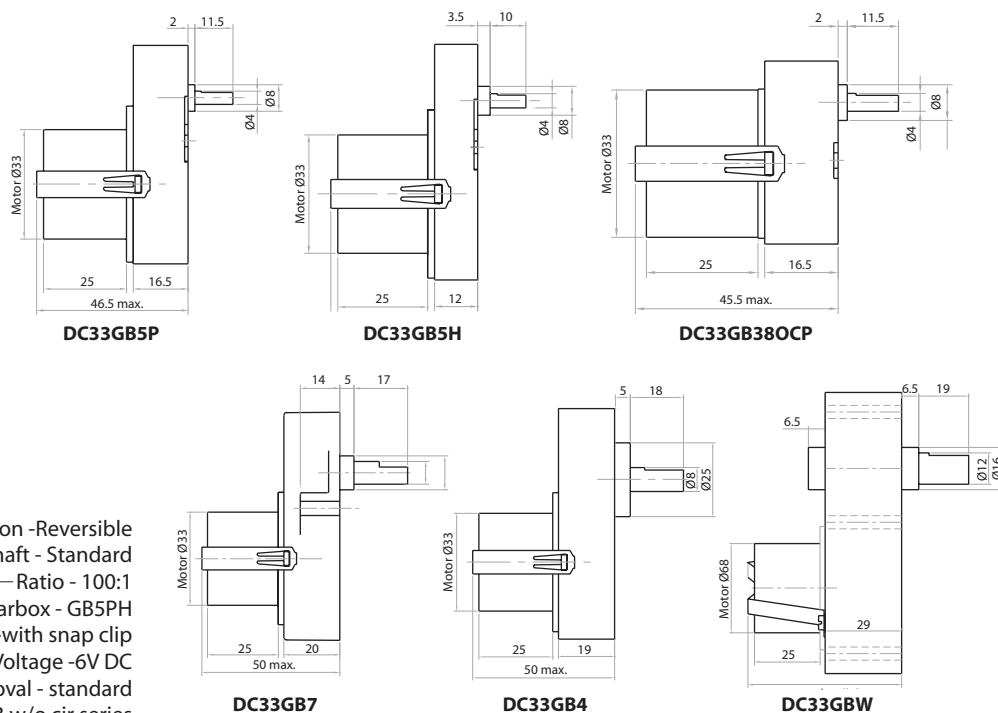
Motor DC33 is a carbon brush DC motor which is used in combination with many Mech Tex gearheads. The standard gearheads used in conjunction with this motor are GB2, GB5P, GB5H, GB380CP, GB3, GB4, GB7, GB8 & GBW. Depending on the application, output speed, load applied, etc. the type of gearhead can be 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

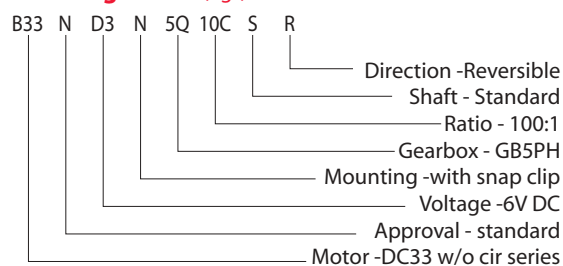
MECH-TEX	Physical Data	NO LOAD DATA				Data At Max-Efficiency					Stall	
MODEL No.	Dim. mm	Voltage	Speed	Current	Speed	Current	Torque	Effic.	Power	Power	Torque	Current
W/o circuit	Diachheight	V DC	RPM	A	RPM	Amps	Grcm	(%)	W(out)	W(in)	gm-cm	mA
DC33	33 x 25	12	5400	0.035	4653	0.111	18.470	67	0.883	1.318	120.349	604.000
DC33	33 x 25	6	2700	0.030	2273	0.074	10.960	62	0.256	0.412	63.976	337.000
DC33	33 x 25	3	1350	0.030	1086	0.047	6.284	60	0.070	0.116	32.873	175.000

MECH-TEX	Physical Data	Rated Voltage	Working Voltage	Rated Load	Rated Speed	Rated load Current	Load Fluctuation	Starting Torque
MODEL No.	Dim. mm	V	V	g-cm	r/min	mA	r/min/g-cm	g-cm
With circuit	Diachheight	V	V	g-cm	r/min	mA	r/min/g-cm	g-cm
DC33	33 x 25	12	8.4-15	8.00	2400	73	9.0	60at8.4V
DC33	33 x 25	9	6-11	8.00	2400	92	9.0	50at6.0V
DC33	33 x 25	6	4.2-7.5	8.00	2400	132	9.0	38at4.2V

Assembly Drawings



Ordering Data (eg:)



Photographs

