

DC52



DC Geared Motors

Design

Standard Data DC52 Series motors are DC motors (Outsourced) that are used in Combination with some Mechtex gearheads. Depending on the application, output speed, the load applied etc the type of gearhead can be selected. Case hardened steel Life expectancy gears are used due to the high Direction torque generated by these Technical Data motors. The first pair of gears can be helical to damp the noise. All bearings are permanently lubricated and therefore require no maintenance.

Features

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Application

Laboratory instrumentation, Robotics, Boom barrier.

Options

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Standard Data

Parameter	Value	Unit
Motor type	PM Brushed dc motor	
Combination with Mechtex Gear Series	GBV/U,GB W/XOnly	
Standard motor voltages	24,12,6 & 3 (others on request)	V
Weight (DC42/DC52)	360/480	g
Enclosure	20	IP
Mounting	By screws	
Life expectancy	Approx 500 hours @ max efficiency	
Direction	Reversible	

Technical Data

Parameter	Value	Unit
Physical Data for (Dim. mm)	52.5 x 69	Dia x Height
No load data for Voltage	12	VDC
No load data for Speed	5050	RPM
No load data for No-Load	0.900	Current A
Data at Rated Torque for Speed	4325	RPM
Data at Rated Torque for Current	3.916	AMPs
Data at Rated Torque for Torque	7.110	Ncm
Data at Rated Torque for Effie	67	%
Data at Rated Torque for Power	31.580	W(out)
Data at Rated Torque for Power	47.086	W(in)
Stall for Torque	54.000	Ncm
Stall for Current	24.900	A

Assembly Drawings

