



DC28



DC Geared Motor

Design

Design DC28 Series motors are DC motors (Outsourced) that are used in combination with many Mechtex gearheads. 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, SRBF (helical) & steel gears can be used based on the load considerations. Poly acetal or sintered gears usually are used for noise dampening & complete poly acetal gears are used when the output torque required is less. All bearings are permanently lubricated and therefore require no maintenance.

Features

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Application

Textiles, Farm equipments, Automotive, Vending machines, Chart recorder, Diamond machines.

Options

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Standard Data

Parameter	Value	Unit
Motor type	PM Brushed DC Motor	
Combination with Mechtex Gear Series	GB 2/5P/5H, GB 38OCP, GB B/C/L, GB 3/4/778, GBV/U/W/X	
Standard motor voltages	24,12,6&3 (other version request)	V
Weight	65	g
Enclosure	30	IP
Mounting	By snap clip or by screws	
Life expectancy	Approx 500 hours @ max efficiency	
Direction	Reversible	

Technical Data

Parameter	Value	Unit
Physical Data for (Dim. mm)	27.5 X 32.5	Dia x Height
No load data for Voltage	12	V DC
No load data for Speed	2500	RPM
No load data for No-Load	0.035	Current A
Data at Max Efficiency for Speed	1577	RPM
Data at Max Efficiency for Current	0.077	AMPs
Data at Max Efficiency for Torque	0.210	Ncm
Data at Max Efficiency for Effic	40	%
Data at Max Efficiency for Power	0.343	W(out)
Data at Max Efficiency for Power	0.863	W(in)
Stall for Torque	0.610	Ncm
Stall for Current	0.171	AMPs

Assembly Drawings

