



# 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)	28.0 x 38.0	Dia x Height
No load data for Voltage	12	V DC
No load data for Speed	3700	RPM
No load data for No-Load	0.090	Current A
Data at Max Efficiency for Speed	3000	RPM
Data at Max Efficiency for Current	0.259	AMPs
Data at Max Efficiency for Torque	0.590	Ncm
Data at Max Efficiency for Effic	63	%
Data at Max Efficiency for Power	1.808	W(out)
Data at Max Efficiency for Power	2.883	W(in)
Stall for Torque	3.040	Ncm
Stall for Current	1.059	AMPs

# Assembly Drawings

