



DC30



DC Geared Motor

Design

DC30 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

DC30 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.

Application

Home automation, Clocks, Vending machines, Chart recorder, Coffee machines, Throttle control valve.

Options

DC30 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.

Standard Data

Parameter	Value	Unit
Motor type	PM Brushed DC Motor	
Standard Motor Voltages	24, 12, 6, 3 (Others on Request)	V
Weight	75	g
Enclouser	30	IP
Mounting	By snap clip or by screw	
Life expentency	Approx 500 Hours or max efficiency	
Direction	Reversible	

Technical Data

Parameter	Value	Unit
Physical Data for (Dim. mm)	32.5 x 29	Dia x Height
No load data for Voltage	6	VDC
No load data for Speed	3100	RPM
No load data for No-Load	0.100	Current A
Data at Max Efficiency for Speed	2216	RPM
Data at Max Efficiency for Current	0.294	AMPs
Data at Max Efficiency for Torque	0.390	Ncm
Data at Max Efficiency for Effie	51	%
Data at Max Efficiency for Power	0.892	W(out)
Data at Max Efficiency for Power	1.734	W(in)
Stall for Torque	1.710	Ncm
Stall for Current	1.041	A

Assembly Drawings

