



DC38



DC Geared Motor

Design

DC38 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

DC38 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

Yarn Movement, Medical Equipment, Farm Equipment, Vending Machines, Diamond Machines, Gastronomy, Throttle Control Valve, Industrial Automation Machines, Scientific Instrumentation, Solar Equipments.

Options

DC38 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	
Combination with Mechtex Gear Series	GB 5P/5H, GB 380CP, GB C, GB 3/4/7/8, GB V/U/W/X	
Standard motor voltages	24,12,6 & 3 (others on request)	V
Weight	220	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)	36 x 50.1	Dia x Height
No load data for Voltage	12	VDC
No load data for Speed	5000	RPM
No load data for No-Load	0.200	Current A
Data at Max Efficiency for Speed	3747	RPM
Data at Max Efficiency for Current	0.867	AMPs
Data at Max Efficiency for Torque	1.550	Ncm
Data at Max Efficiency for Effie	59	%
Data at Max Efficiency for Power	5.995	W(out)
Data at Max Efficiency for Power	10.186	W(in)
Stall for Torque	7.840	Ncm
Stall for Current	3.490	A

Assembly Drawings

