DC32

DC Geared Motor

Design

DC32 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

Blood Collection Monitor, Cam timer, Feeding systems, oil skimmer, Home automation, Diamond Polishing.

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 3/4/7/8, GB V/U/W/X	
Standard motor voltages	24,12,6 & 3 (others on request)	V
Weight	40	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)	32 x 19.5	Dia x Height
No load data for Voltage	12	VDC
No load data for Speed	3000	RPM
No load data for No-Load	0.015	Current A
Data at Rated Torque for Speed	2319	RPM
Data at Rated Torque for Current	0.045	AMPs
Data at Rated Torque for Torque	0.110	Ncm
Data at Rated Torque for Effie	50	%
Data at Rated Torque for Power	0.266	W(out)
Data at Rated Torque for Power	0.529	W(in)
Stall for Torque	0.530	Ncm
Stall for Current	0.164	A

Assembly Drawing