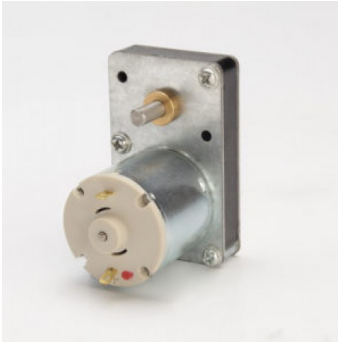
# DC30

**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

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## Application

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

## Options

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## 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 | 1500 | RPM |
| No load data for No-Load | 0.035 | Current A |
| Data at Max Efficiency for Speed | 1100 | RPM |
| Data at Max Efficiency for Current | 0.090 | AMPs |
| Data at Max Efficiency for Torque | 0.160 | Ncm |
| Data at Max Efficiency for Effie | 36 | % |
| Data at Max Efficiency for Power | 0.183 | W(out) |
| Data at Max Efficiency for Power | 0.508 | W(in) |
| Stall for Torque | 0.660 | Ncm |
| Stall for Current | 0.237 | A |

## Assembly Drawings