



# 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         | 6         | VDC          |
| No load data for Speed           | 2700      | RPM          |
| No load data for No-Load         | 0.030     | Current A    |
| Data at Rated Torque for Speed   | 2273      | RPM          |
| Data at Rated Torque for Current | 0.074     | AMPs         |
| Data at Rated Torque for Torque  | 0.110     | Ncm          |
| Data at Rated Torque for Effie   | 62        | %            |
| Data at Rated Torque for Power   | 0.256     | W(out)       |
| Data at Rated Torque for Power   | 0.412     | W(in)        |
| Stall for Torque                 | 0.640     | Ncm          |
| Stall for Current                | 0.337     | A            |

## Assembly Drawing

