

# Three phase brushless DC motor

2020 CATALOGUE

48 DC volts  
3 phase  
for E-Rickshaw



Manufacturers of stepper, synchronous, BLDC, PMSM and special purpose motors since 1984

[punesynchrotech.com](http://punesynchrotech.com)



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**Website:** [punesynchrotech.com](http://punesynchrotech.com)

Synchrotech was incorporated in Pune, India since 1984.

We started our manufacturing activity with Torque motors and special purpose / import substitute motors.

There after we added stepper motors and synchronous motors together with permanent magnet import substitute motors. Synchrotech has full fledged manufacturing setup and team of experienced technical personnel.

We manufacture BLDC motors for E-Rickshaw and electric vehicles. These motors are specially designed for Indian working conditions, motors are robust and protected from dust and water. We have an extensive range of hybrid stepper motors like NEMA 23,

NEMA 34, NEMA 42 and one more model called XL 170.

For the first time in India we have introduced five phase NEMA 42 stepper motor in 2017. In 2018, we launched three phase NEMA 42 stepper motor. These motor are resonance free and largely used where ultimate accuracy with higher speed is required.

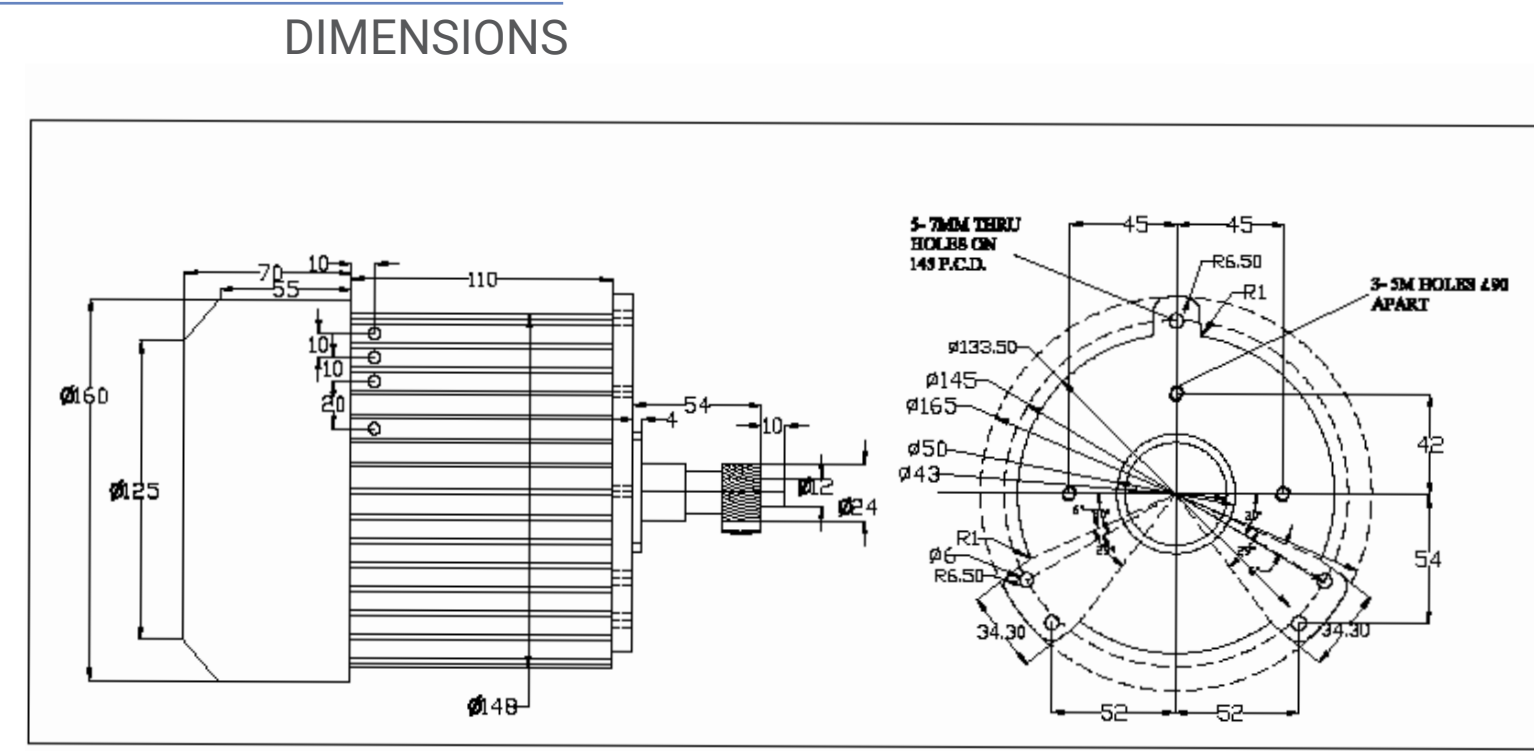
We also manufacture single phase 220/110 V AC , 60 RPM and three phase 415V AC, 60 RPM synchronous motors. These motors are mainly used in electrical actuators by reputed customers.

In 2007 we launched import substitute 750 RPM, 220V, 1kg-cm, single phase motor for linear actuators.

We also manufacture three phase PMSM motors for our customers as per their specifications.



- ### FEATURES
- 48 volts DC
  - 800 W /1000W/1200W/1500W
  - 16 amp - 35 amp
  - 2500 RPM - 3000 RPM (no load)
  - Class-B, Class-F insulation
  - Low noise levels
  - Hall sensor commutation
  - 3 phase permanent magnet
  - 120 degree electrical
  - Efficiency greater than 90 %
  - Low watt loss material
  - Aluminium extruded body
  - Permanently lubricated heavy duty bearings



### VERSIONS

Model No.	Power [ Watt ]	Current [ Amp ]	Voltage [ Volt DC ]	Torque [ kg-cm ]
BLDC - 16 / 800	800	16	48	30
BLDC - 20 / 1000	1000	20	48	35
BLDC - 25 / 1200	1200	25	48	40
BLDC - 35 / 1500	1500	35	48	60

### PRODUCT IDENTIFIER

**BLDC - XX / YYYY**

XX = Current in amp  
 YYYY = Power in watts

Brushless D.C. motor

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