

Ac Induction motor

180 watt

Frem - 104x104

Continuous rating, TEFC Aluminum body

Rotates in clockwise or counter clockwise direction. Direction of rotation can be reversed

Overruns for a few rotation after supply is cut off

Speeds are 2880 / 1440 RPM and further low speeds with gearbox

Terminal box or open lead wires for connection

| Output Power W | Voltage V | Motor Speed RPM | Current A | Capacitor uF | Starting Torque Kg.Cm. | Rated Torque Kg.Cm. | Frequency Hz | Model |
|----------------|--------------------|-----------------|-----------|--------------|------------------------|---------------------|--------------|----------------|
| 180 Watt | Single Phase 230 V | 1440 | 3.1 | 6 | 25 | 20 | 50 | 104 180-4 AXGI |

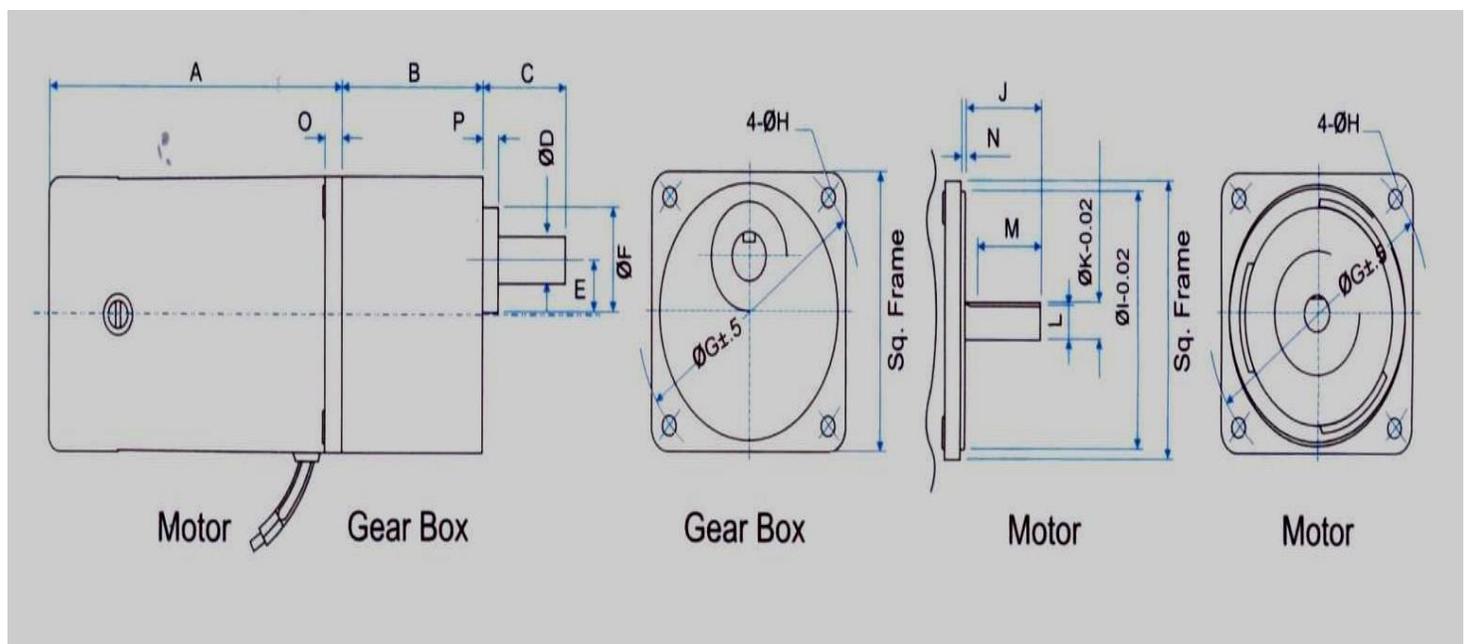
Torque Table:

unit-kg.cm

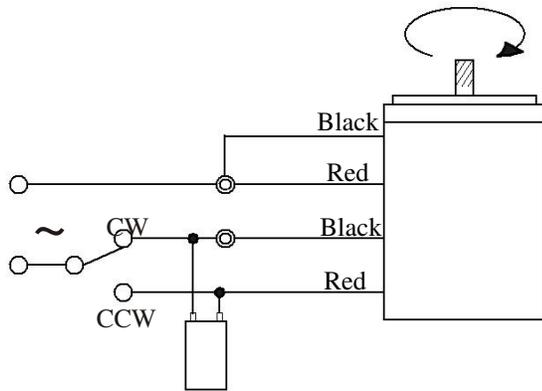
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|--------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|
| Ratio | 8 | 3.6 | 5 | 7.5 | 9 | 12.5 | 15 | 18 | 25 | 30 | 36 | 50 | 60 | 75 | 90 | 100 | 120 | 150 | 180 |
| RPM | 500 | 416 | 300 | 250 | 166 | 120 | 100 | 83 | 60 | 50 | 41 | 30 | 25 | 20 | 16 | 15 | 12.5 | 10 | 8.3 |
| Torque | 36 | 42 | 60 | 88 | 106 | 134 | 160 | 192 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |

Dimensions:

| Output Power W | Square Frame | A | B | C | ØD | E | ØF | ØG PCD | ØH | ØI | J | ØK | L | M | N | O | P | KEY |
|----------------|--------------|-----|----|----|----|----|----|--------|-----|----|----|----|----|----|-----|-----|---|--------|
| 180 | 104 | 165 | 75 | 43 | 18 | 20 | 44 | 120 | 9.0 | 95 | 39 | 14 | 13 | 30 | 3.0 | 9.0 | 7 | 6 X 25 |

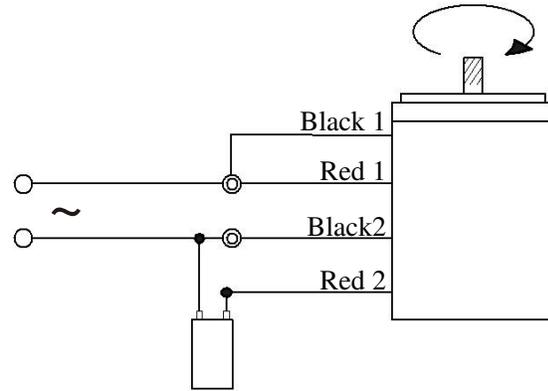


Wiring Diagram for Single Phase Motors **ADEPT MOTORS**



Short Black wires and connect as shown to rotate the motor in clockwise direction

To change the direction, flip SW to CCW

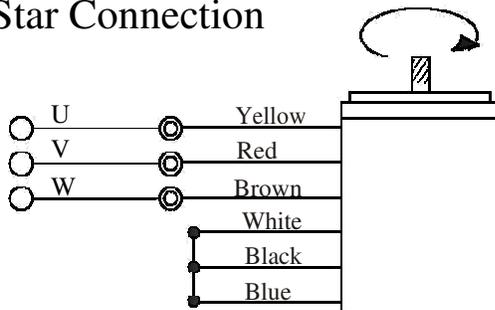


Red wires are for running winding & Black wires are for starting winding

To change the direction, interchange Black wires or Red wires

Wiring Diagram for Three Phase Motors **ADEPT MOTORS**

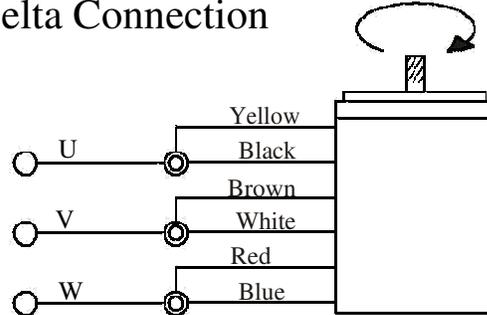
Star Connection



To change the direction, interchange any two wires between U, V & W

For 415 Volt supply, wires are connected as shown. Short White, Black & Blue wire as shown. and then insulate properly.

Delta Connection



To change the direction, interchange any two wires between U, V & W

For 230 Volt 3 Ph supply, wires are connected as shown.

Change the direction of the motor only after it stops rotating. If the attempt is made during rotation, motor may ignore the reversing command or change the direction after some time.