



# AC MOTOR SELECTION

Always answer questions 1 to 7

Answer questions 7 to 9 if a motor is being replaced

**1. Motor power is required**

Note: 1 horse power (HP) = 0.75kW  
i.e. 10 HP x 0.75 = 7.5 kW

0.37 kW <input type="checkbox"/>	4.0 kW <input type="checkbox"/>	30 kW <input type="checkbox"/>
0.55 kW <input type="checkbox"/>	5.5 kW <input type="checkbox"/>	37 kW <input type="checkbox"/>
0.75 kW <input type="checkbox"/>	7.5 kW <input type="checkbox"/>	45 kW <input type="checkbox"/>
1.1 kW <input type="checkbox"/>	11 kW <input type="checkbox"/>	55 kW <input type="checkbox"/>
1.5 kW <input type="checkbox"/>	15 kW <input type="checkbox"/>	75 kW <input type="checkbox"/>
2.2 kW <input type="checkbox"/>	18.5 kW <input type="checkbox"/>	90 kW <input type="checkbox"/>
3.0 kW <input type="checkbox"/>	22 kW <input type="checkbox"/>	

Other \_\_\_\_\_ kW

**2. Speed (RPM) the motor required to do:**

3000 RPM (2 pole)

1500 RPM (4 pole)

1000 RPM (6 pole)

750 RPM (8 pole)

**3. Motor voltage required:**

240V domestic power   
(single phase)

415V industrial power   
(three phase)

**4. How is the motor mounted?**

Foot & flange mount (B3/B5)

Flange mount (B3/B5)

(B14)

**5. What is the motor construction of?**

Rolled steel

Cast alloy

Cast iron

**6. What application is the motor used for?**

Compressor

Conveyor

Pump

Fan

Other:

**7. What environment is the motor used in?**

wet area

dust area

hazardous location

IP Protection Class: \_\_\_\_\_

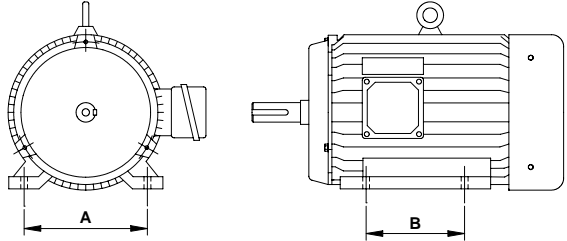
Other \_\_\_\_\_

**8. Motor shaft diameter:**

14 mm <input type="checkbox"/>	38 mm <input type="checkbox"/>	60 mm <input type="checkbox"/>
19 mm <input type="checkbox"/>	42 mm <input type="checkbox"/>	65 mm <input type="checkbox"/>
24 mm <input type="checkbox"/>	48 mm <input type="checkbox"/>	75 mm <input type="checkbox"/>
28 mm <input type="checkbox"/>	55 mm <input type="checkbox"/>	

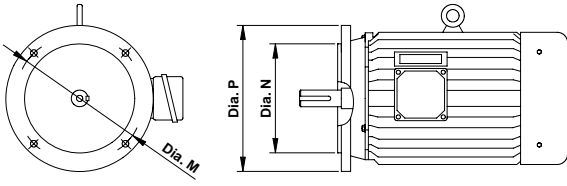
Other \_\_\_\_\_

**9a. If the motor is foot mount please fill in the dimensions of the foot:**



A = \_\_\_\_\_ mm      B = \_\_\_\_\_ mm

**9b. If the motor is flange mount please fill in the dimensions of the flange:**



Dia. M (Mounting hole PCD) = \_\_\_\_\_ mm

Dia. N (Spigot diameter) = \_\_\_\_\_ mm

Dia. P (flange diameter) = \_\_\_\_\_ mm

**10. List any special Requirements:**

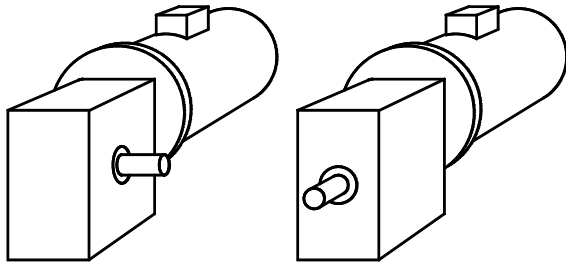


# GEARBOX SELECTION

Please complete questions 1-7 on the Motor Section first

Answer these questions if replacing an old unit

### 1. Gearbox configuration



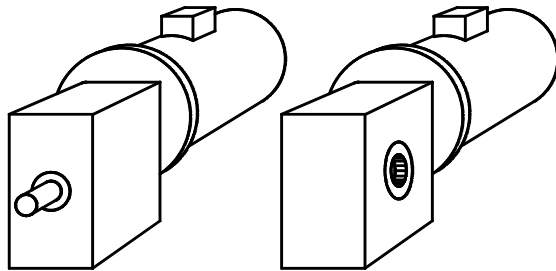
Right angle

In line

### 2. Gearbox output speed (RPM)

Speed: \_\_\_\_\_ RPM Torque: \_\_\_\_\_

### 3. Solid or hollow shaft



### 4. What application is the gearbox used for?

- Mixer
- Belt Conveyor
- Screw Conveyor
- Press
- Agitator

Other \_\_\_\_\_

### 5. What is the duty cycle ED? \_\_\_\_\_%

### 6. What type of load will the gearbox be running?

- Uniform load
- Variable load
- Shock load

### 7. Please provide any details of the existing nameplate if available:

Brand: \_\_\_\_\_

Type: \_\_\_\_\_

Ratio: \_\_\_\_\_

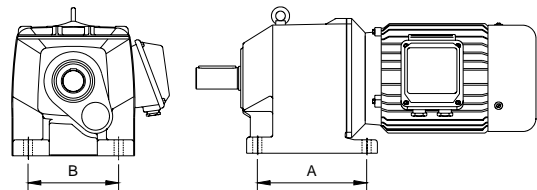
Serial No: \_\_\_\_\_

Torque: \_\_\_\_\_

### 8. Gearbox output shaft diameter?

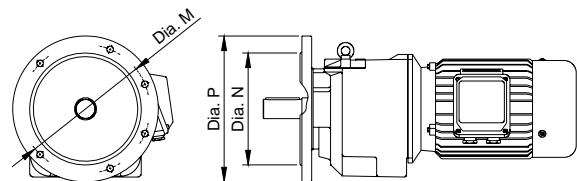
\_\_\_\_\_ mm

### 9a. If the gearbox is foot mount please fill in the dimensions of the foot:



B = \_\_\_\_\_ mm A = \_\_\_\_\_ mm

### 9b. If the motor is flange mount please fill in the dimensions of the flange:



Dia. M (Mounting hole PCD) = \_\_\_\_\_ mm

Dia. N (Spigot diameter) = \_\_\_\_\_ mm

Dia. P (flange diameter) = \_\_\_\_\_ mm

Additional notes: