

Specifications

|                      |         |
|----------------------|---------|
| Output Power HP (kW) | 75 (55) |
| Phase                | 3 Phase |
| Pole                 | 2 Pole  |
| Frame Number         | 225S    |

|                        |                             |
|------------------------|-----------------------------|
| Degrees of Protection  | IP 55                       |
| Enclosure Construction | Totally-enclosed Fan-cooled |
| Thermal Class          | Class F (155 °C)            |

|                |            |
|----------------|------------|
| Alignment      | Horizontal |
| Frame Material | Cast Iron  |

|                       |   |
|-----------------------|---|
| Power Transmission    | Direct-couple                                     |
| Direction of Rotation | Counterclockwise (CCW) viewed from shaft-end side |



|                    |                             |
|--------------------|-----------------------------|
| Connection Type    | Lead Wire (6 Leads)         |
| Coating Colour     | Munsell N5.5 (Gray)         |
| Conformed Standard | IEC 60034-1 & JEC-2137-2000 |



|                     |   |
|---------------------|---|
| Voltage & Frequency | HT Type   |
|                     | 380~415V 50Hz<br>380~440V 60Hz<br>(suitable for Y-Δ starting) |

\* The perpendicular variation of tolerance for the shaft center is  $\begin{matrix} 0 \\ -0.5 \end{matrix}$

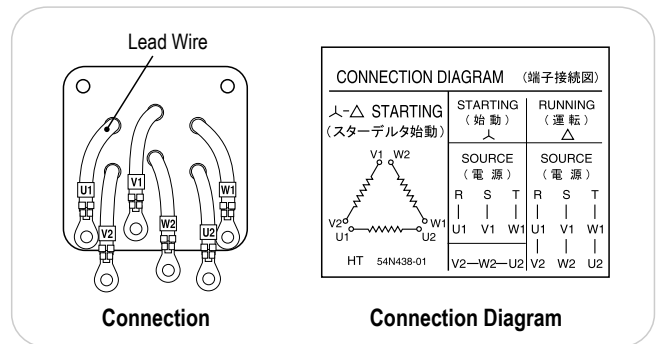
Dimensions (mm)

| Motor |       |     |     |     |     |    |     |    |    |    |     |     |
|-------|-------|-----|-----|-----|-----|----|-----|----|----|----|-----|-----|
| A     | B     | C*  | D   | E   | F   | G  | H   | J  | JK | K  | L   | M   |
| 380   | 287.5 | 225 | 459 | 178 | 143 | 28 | 457 | 80 | R8 | 82 | 782 | 430 |

| Motor |     |      | Terminal Box |     |      |     | Shaft End |    |     |       |    |   |    |
|-------|-----|------|--------------|-----|------|-----|-----------|----|-----|-------|----|---|----|
| N     | XB  | Z    | KA           | KG  | KD   | KP  | Q         | QK | R   | S     | T  | U | W  |
| 350   | 149 | 18.5 | 120          | 528 | PF 2 | 602 | 110       | 90 | 402 | 55 m6 | 10 | 6 | 16 |

| Bearing No. |          | Approximated Weight (kg) | Approximated Packing Dimensions (LxWxH) | Gross Weight (kg) |
|-------------|----------|--------------------------|---|-------------------|
| Drive End   | Opposite |                          |   |                   |
| 6312ZZC3    | 6312ZZC3 | 315                      | 980 x 591 x 774                         | 345               |

Connection & Connection Diagram



Circumstance Conditions

|                     |                                    |
|---------------------|------------------------------------|
| Ambient Temperature | -20 ~ +40°C                        |
| Ambient Humidity    | 95% RH or less                     |
| Operating Altitude  | Less than 1,000m above sea level   |
| Environment         | No bursting / erosive gas or vapor |

Motor Characteristics

| Type | Hz | V   | 50% Load |        |       | 75% Load |        |       | 100% Load |        |       |               | Torque(%)     |     | Is (A) | Inertia GD <sup>2</sup> (kg-m <sup>2</sup> ) |      |
|------|----|-----|----------|--------|-------|----------|--------|-------|-----------|--------|-------|---------------|---------------|-----|--------|--|------|
|      |    |     | (A)      | Eff(%) | PF(%) | (A)      | Eff(%) | PF(%) | (A)       | Eff(%) | PF(%) | Speed (r/min) | Torque (kg-m) | Ts  |        |  | Tm   |
| HT   | 50 | 380 | 56.3     | 0.92   | 0.81  | 77.2     | 0.92   | 0.88  | 99.9      | 0.93   | 0.90  | 2930          | 18.2          | 162 | 288    | 667  | 1.05 |
|      |    | 415 | 61.0     | 0.87   | 0.72  | 78.2     | 0.91   | 0.81  | 97.6      | 0.91   | 0.86  | 2940          | 18.2          | 193 | 341    | 729  |      |
|      | 60 | 380 | 51.9     | 0.91   | 0.89  | 74.0     | 0.92   | 0.92  | 97.7      | 0.92   | 0.93  | 3520          | 15.2          | 143 | 248    | 594  |      |
|      |    | 440 | 49.9     | 0.89   | 0.81  | 67.5     | 0.92   | 0.92  | 86.5      | 0.93   | 0.90  | 3540          | 15.1          | 193 | 332    | 688  |      |