

DATA SHEET

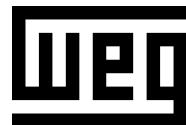
Three Phase Induction Motor - Squirrel Cage



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| Customer : | | | | | | | | | | | | | | | | | | | | | | | |
| Product line | : W22 Cooling Tower High Efficiency Three-Phase | | Product code : | 12172469 | | | | | | | | | | | | | | | | | | | |
| | | | Catalog # : | 00289EP3PCT145V-W22 | | | | | | | | | | | | | | | | | | | |
| Frame | : 143/5T | Locked rotor time | : 10s (cold) 6s (hot) | | | | | | | | | | | | | | | | | | | | |
| Output | : 2 HP (1.5 kW) | Temperature rise | : 80 K | | | | | | | | | | | | | | | | | | | | |
| Poles | : 4 | Duty cycle | : Cont.(S1) | | | | | | | | | | | | | | | | | | | | |
| Frequency | : 60 Hz | Ambient temperature | : -20°C to +40°C | | | | | | | | | | | | | | | | | | | | |
| Rated voltage | : 200 V | Altitude | : 1000 m.a.s.l. | | | | | | | | | | | | | | | | | | | | |
| Rated current | : 6.40 A | Protection degree | : IP55 | | | | | | | | | | | | | | | | | | | | |
| L. R. Amperes | : 51.2 A | Cooling method | : IC411 - TEFC | | | | | | | | | | | | | | | | | | | | |
| LRC | : 8.0x(Code K) | Mounting | : F-2 | | | | | | | | | | | | | | | | | | | | |
| No load current | : 3.48 A | Rotation ¹ | : Both (CW and CCW) | | | | | | | | | | | | | | | | | | | | |
| Rated speed | : 1735 rpm | Noise level ² | : 51.0 dB(A) | | | | | | | | | | | | | | | | | | | | |
| Slip | : 3.61 % | Starting method | : Direct On Line | | | | | | | | | | | | | | | | | | | | |
| Rated torque | : 6.05 ft.lb | Approx. weight ³ | : 52.9 lb | | | | | | | | | | | | | | | | | | | | |
| Locked rotor torque | : 210 % | | | | | | | | | | | | | | | | | | | | | | |
| Breakdown torque | : 280 % | | | | | | | | | | | | | | | | | | | | | | |
| Insulation class | : F | | | | | | | | | | | | | | | | | | | | | | |
| Service factor | : 1.15 | | | | | | | | | | | | | | | | | | | | | | |
| Moment of inertia (J) | : 0.1590 sq.ft.lb | | | | | | | | | | | | | | | | | | | | | | |
| Output | 25% | 50% | 75% | 100% | | | | | | | | | | | | | | | | | | | |
| Efficiency (%) | 0.000 0.000 | 77.0 55.0 | 81.5 62.0 | 62.0 82.5 64.0 | | | | | | | | | | | | | | | | | | | |
| Power Factor | 0.00 0.00 | 0.60 0.37 | 0.73 0.48 | 0.82 0.58 | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <td></td><td style="text-align: center;">Drive end</td><td style="text-align: center;">Non drive end</td></tr> <tr> <td>Bearing type</td><td>: 6205 2RS</td><td>: 6204 2RS</td></tr> <tr> <td>Sealing</td><td>: V'Ring</td><td>: V'Ring</td></tr> <tr> <td>Lubrication interval</td><td>: 0 h</td><td>: 0 h</td></tr> <tr> <td>Lubricant amount</td><td>: 0 g</td><td>: 0 g</td></tr> <tr> <td>Lubricant type</td><td colspan="3" rowspan="3" style="text-align: center;">Mobil Polyrex EM</td></tr> </table> | | | | | | Drive end | Non drive end | Bearing type | : 6205 2RS | : 6204 2RS | Sealing | : V'Ring | : V'Ring | Lubrication interval | : 0 h | : 0 h | Lubricant amount | : 0 g | : 0 g | Lubricant type | Mobil Polyrex EM | | |
| | Drive end | Non drive end | | | | | | | | | | | | | | | | | | | | | |
| Bearing type | : 6205 2RS | : 6204 2RS | | | | | | | | | | | | | | | | | | | | | |
| Sealing | : V'Ring | : V'Ring | | | | | | | | | | | | | | | | | | | | | |
| Lubrication interval | : 0 h | : 0 h | | | | | | | | | | | | | | | | | | | | | |
| Lubricant amount | : 0 g | : 0 g | | | | | | | | | | | | | | | | | | | | | |
| Lubricant type | Mobil Polyrex EM | | | | | | | | | | | | | | | | | | | | | | |
| Notes: | | | | | | | | | | | | | | | | | | | | | | | |
| <p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p> | | | | | | | | | | | | | | | | | | | | | | | |
| Rev. | Changes Summary | | | Performed | | | | | | | | | | | | | | | | | | | |
| | | | | Checked | | | | | | | | | | | | | | | | | | | |
| Performed by | | | | | | | | | | | | | | | | | | | | | | | |
| Checked by | | | | | | | | | | | | | | | | | | | | | | | |
| Date | 28/03/2024 | | | | | | | | | | | | | | | | | | | | | | |
| | | | Page | Revision | | | | | | | | | | | | | | | | | | | |
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DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Space heater information

Voltage: 110-127/200-240 V

| Rev. | Changes Summary | | Performed | Checked | Date |
|--------------|-----------------|--|-----------|---------|----------|
| | | | | | |
| Performed by | | | | | |
| Checked by | | | | Page | Revision |
| Date | 28/03/2024 | | | 2 / 2 | |