# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage

**WEG**

| | |
|---|---|
| Customer | : |

| | | | |
|---|---|---|---|
| Product line | : Pool Spa Pump Single-Phase Start Capacitor | Product code : | 10502538 |
| | | Catalog # : | PCJ115 |

| | | | |
|---|---|---|---|
| Frame | : L56J | Locked rotor time | : 10s (cold) 6s (hot) |
| Output | : 1.5 HP (1.1 kW) | Temperature rise | : 70 K |
| Poles | : 2 | Duty cycle | : Cont.(S1) |
| Frequency | : 60 Hz | Ambient temperature | : -20°C to +50°C |
| Rated voltage | : 115/230 V | Altitude | : 1000 m.a.s.l. |
| Rated current | : 17.7/8.85 A | Protection degree | : IP21 |
| L. R. Amperes | : 104/52.2 A | Cooling method | : IC01 - ODP |
| LRC | : 5.9x(Code K) | Mounting | : F-1 |
| No load current | : 10.5/5.25 A | Rotation[1] | : CCW |
| Rated speed | : 3450 rpm | Noise level[2] | : 58.0 dB(A) |
| Slip | : 4.17 % | Starting method | : Direct On Line |
| Rated torque | : 2.28 ft.lb | Approx. weight[3] | : 29.3 lb |
| Locked rotor torque | : 130 % | | |
| Breakdown torque | : 210 % | | |
| Insulation class | : B | | |
| Service factor | : 1.10 | | |
| Moment of inertia (J) | : 0.0361 sq.ft.lb | | |

| Output | 25% | 50% | 75% | 100% | Foundation loads | |
|---|---|---|---|---|---|---|
| Efficiency (%) | 63.5 | 64.5 | 69.0 | 69.6 | Max. traction | |
| Power Factor | 0.35 | 0.61 | 0.72 | 0.79 | Max. compression | |

| | | Drive end | Non drive end |
|---|---|---|---|
| Bearing type | : | 6203 2RS | 6203 2RS |
| Sealing | : | Without Bearing Seal | Without Bearing Seal |
| Lubrication interval | : | - | - |
| Lubricant amount | : | - | - |
| Lubricant type | : | Mobil Polyrex EM | |

Notes

This revision replaces and cancel the previous one, which must be eliminated.
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(3) Approximate weight subject to changes after manufacturing process.
(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | |

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|---|---|---|---|---|
| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 12/10/2023 | | 1 / 1 | |