

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



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|--|---|--|---------------------------|----------|
| Customer : | | | | |
| Product line | | : Jet Pump - J type Three-Phase | Product code : 13721662 | |
| Frame | : W56J | Cooling method | : IC411 - TEFC | |
| Insulation class | : F | Mounting | : W-6 | |
| Duty cycle | : Cont.(S1) | Rotation ¹ | : CCW | |
| Ambient temperature | : -20°C to +40°C | Starting method | : Direct On Line | |
| Altitude | : 1000 m.a.s.l. | Approx. weight ³ | : 6.8 kg | |
| Protection degree | : IP55 | Moment of inertia (J) | : 0.0006 kgm ² | |
| Output [HP] | 0.25 | | | |
| Poles | 2 | | | |
| Frequency [Hz] | 60 | | | |
| Rated voltage [V] | 575 | | | |
| Rated current [A] | 0.365 | | | |
| L. R. Amperes [A] | 2.70 | | | |
| LRC [A] | 7.4x(Code M) | | | |
| No load current [A] | 0.230 | | | |
| Rated speed [RPM] | 3460 | | | |
| Slip [%] | 3.89 | | | |
| Rated torque [kgfm] | 0.052 | | | |
| Locked rotor torque [%] | 350 | | | |
| Breakdown torque [%] | 400 | | | |
| Service factor | 1.15 | | | |
| Temperature rise | 80 K | | | |
| Locked rotor time | 54s (cold) 30s (hot) | | | |
| Noise level ² | 65.0 dB(A) | | | |
| Efficiency (%) | 25% | | | |
| | 50% | 55.0 | | |
| | 75% | 62.0 | | |
| | 100% | 66.0 | | |
| Power Factor | 25% | | | |
| | 50% | 0.60 | | |
| | 75% | 0.70 | | |
| | 100% | 0.75 | | |
| Bearing type | : Drive end 6203 2RS Non drive end 6202 2RS | Foundation loads | | |
| Sealing | : V'Ring V'Ring | Max. traction : 3 kgf | | |
| Lubrication interval | : - - | Max. compression : 10 kgf | | |
| 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 |
| | | | | |
| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 16/05/2022 | | 1 / 2 | |

LOAD PERFORMANCE CURVE

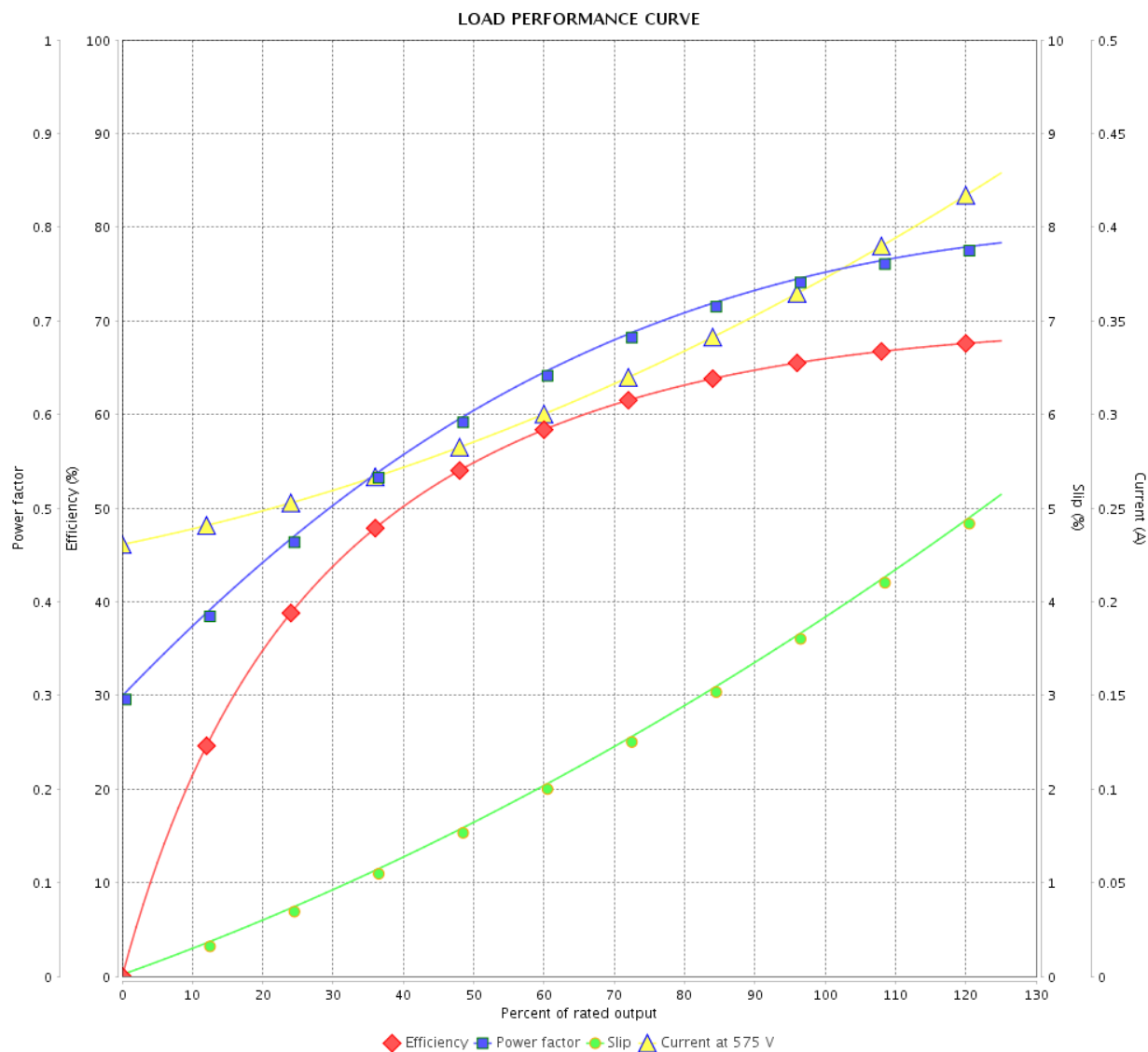
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Three-Phase

Product code : 13721662

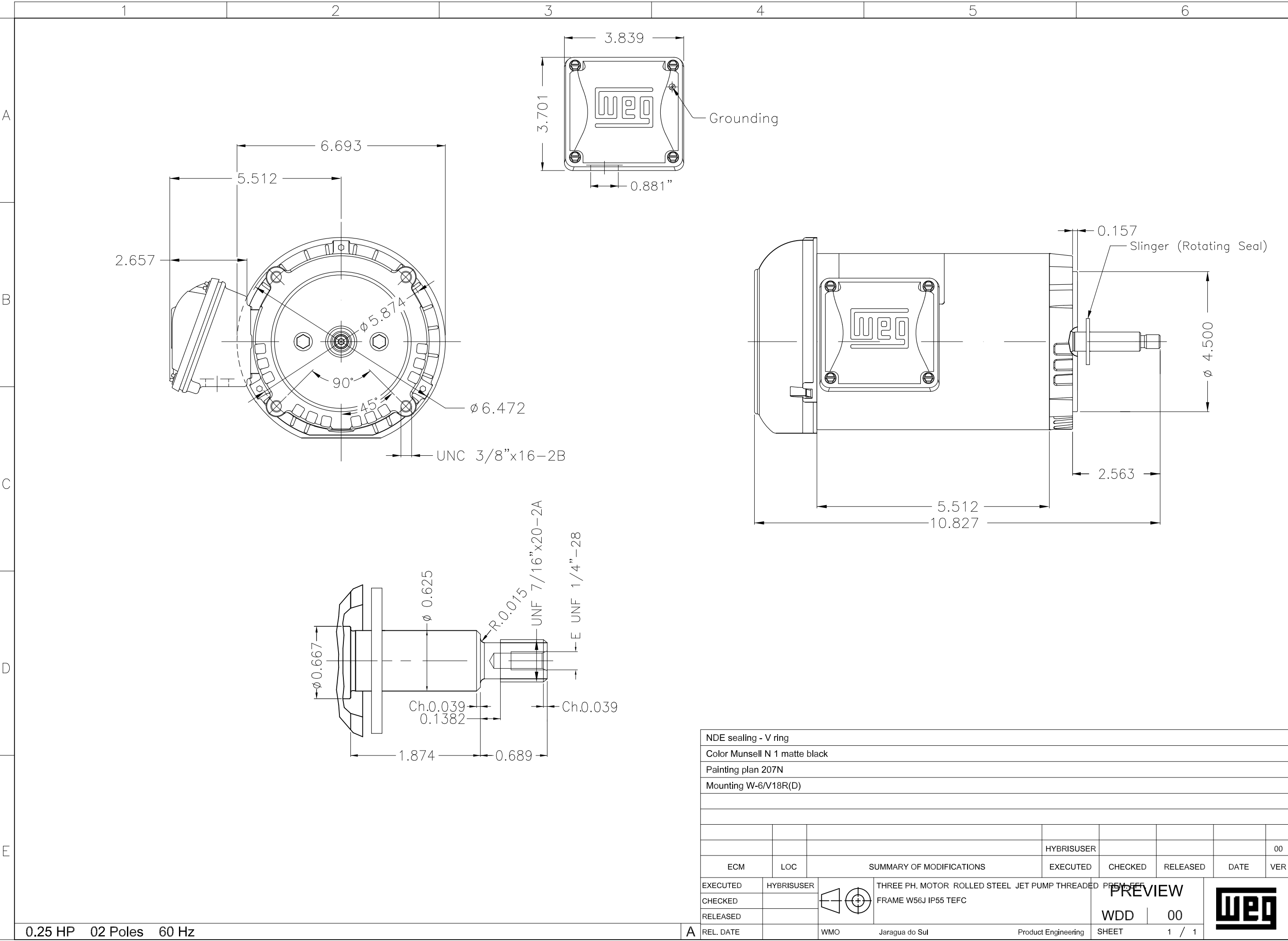


Performance : 575 V 60 Hz 2P

Rated current : 0.365 A
 LRC : 7.4
 Rated torque : 0.052 kgfm
 Locked rotor torque : 350 %
 Breakdown torque : 400 %
 Rated speed : 3460 rpm

Moment of inertia (J) : 0.0006 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

| Rev. | Changes Summary | | Performed | Checked | Date |
|--------------|-----------------|--|-----------|---------|----------|
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| Checked by | | | | 2 / 2 | |
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| NDE sealing - V ring | | | | | | | | | |
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| Painting plan 207N | | | | | | | | | |
| Mounting W-6/V18R(D) | | | | | | | | | |
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