

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

|  |   |                               |  |         |          |
|--|---|-------------------------------|--|---------|----------|
| Customer :   |   |                               |  |         |          |
| Product line : Rolled Steel Jet Pump - J type Standard<br>Efficiency Three-Phase   |   | Product code : 12676607       |  |         |          |
|  |   | Catalog # : .3336OS3EJPR56J-S |  |         |          |
| Frame  | : 56J                                   | Locked rotor time             | : 68s (cold) 38s (hot)   |         |          |
| Output   | : 0.33 HP (0.25 kW)                     | Temperature rise              | : 80 K   |         |          |
| Poles  | : 2                                     | Duty cycle                    | : Cont.(S1)  |         |          |
| Frequency  | : 60 Hz                                 | Ambient temperature           | : -20°C to +40°C   |         |          |
| Rated voltage  | : 208-230/460 V                         | Altitude                      | : 1000 m.a.s.l.  |         |          |
| Rated current  | : 1.38-1.25/0.624 A                     | Cooling method                | : IC01 - ODP   |         |          |
| L. R. Amperes  | : 9.25-8.36/4.18 A                      | Mounting                      | : F-1  |         |          |
| LRC  | : 6.7x(Code M)                          | Rotation <sup>1</sup>         | : CCW  |         |          |
| No load current  | : 0.776-0.900/0.450 A                   | Noise level <sup>2</sup>      | : 62.0 dB(A)   |         |          |
| Rated speed  | : 3515 rpm                              | Starting method               | : Direct On Line   |         |          |
| Slip   | : 2.36 %                                | Approx. weight <sup>3</sup>   | : 18.8 lb  |         |          |
| Rated torque   | : 0.493 ft.lb                           |                               |  |         |          |
| Locked rotor torque  | : 240 %                                 |                               |  |         |          |
| Breakdown torque   | : 320 %                                 |                               |  |         |          |
| Insulation class   | : F                                     |                               |  |         |          |
| Service factor   | : 1.75                                  |                               |  |         |          |
| Moment of inertia (J)  | : 0.0389 sq.ft.lb                       |                               |  |         |          |
| Output   | 25% 50% 75% 100%                        | Foundation loads              |  |         |          |
| Efficiency (%)   | 55.5 59.8 57.5 61.8 66.0 67.9 68.0 70.0 | Max. traction                 | : 7 lb   |         |          |
|  | 54.1 57.0 64.8 68.5                     |                               |  |         |          |
| Power Factor   | 0.30 0.34 0.54 0.61 0.65 0.74 0.74 0.82 | Max. compression              | : 25 lb  |         |          |
|  | 0.29 0.52 0.65 0.74                     |                               |  |         |          |
| Bearing type   | :                                       | <u>Drive end</u>              | <u>Non drive end</u>   |         |          |
| Sealing  | :                                       | 6203 2RS                      | 6202 2RS   |         |          |
| Lubrication interval   | :                                       | Without Bearing Seal          | Without Bearing Seal   |         |          |
| Lubricant amount   | :                                       | -                             | -  |         |          |
| Lubricant type   | :                                       |                               | Mobil Polyrex EM   |         |          |
| Notes:   |   |                               |  |         |          |
| This revision replaces and cancel the previous one, which must be eliminated.<br>(1) Looking the motor from the shaft end.<br>(2) Measured at 1m and with tolerance of +3dB(A).<br>(3) Approximate weight subject to changes after manufacturing process.<br>(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     |
| Performed by   |   |                               |  |         |          |
| Checked by   |   |                               |  | Page    | Revision |
| Date   | 27/03/2024                              |                               |  | 1 / 1   |          |