

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - ODP Compressor Duty Standard Efficiency Product code : 17498405

|                       |                    |                             |                        |
|-----------------------|--------------------|-----------------------------|------------------------|
| Frame                 | : 56H              | Locked rotor time           | : 5 s (hot) 9 s (cold) |
| Output                | : 2 HP (1.5 kW)    | Temperature rise            | : 80 K                 |
| Poles                 | : 4                | Duty cycle                  | : S1                   |
| Frequency             | : 60 Hz            | Ambient temperature         | : -20 °C to +40 °C     |
| Rated voltage         | : 115/208-230 V    | Altitude                    | : 3280 ft              |
| Rated current         | : 21.2/11.5-10.6 A | Protection degree           | : IP21                 |
| L. R. Amperes         | : 127/69.0-63.6 A  | Cooling method              | : IC01 - ODP           |
| LRC                   | : 6.0              | Mounting                    | : F-1/B3R(D)           |
| No load current       | : 13.6/5.86-6.80 A | Rotation <sup>1</sup>       | : Both                 |
| Rated speed           | : 1730 rpm         | Noise level <sup>2</sup>    | : 70.0 dB(A)           |
| Slip                  | : 3.89 %           | Vibration class             | : A                    |
| Rated torque          | : 5.99 ft.lb       | Starting method             | : Direct On Line       |
| Locked rotor torque   | : 220 %            | Approx. weight <sup>3</sup> | : 39.7 lb              |
| Pull up torque        | : 185 %            | Painting plan               | : 207N                 |
| Breakdown torque      | : 200 %            | Color                       | : MUNSELL N 1 - MATTE  |
| Insulation class      | : F                |                             |                        |
| Service factor        | : 1.00             |                             |                        |
| Moment of inertia (J) | : 0.1946 sq.ft.lb  |                             |                        |

|                |      |      |      |
|----------------|------|------|------|
| Output         | 50%  | 75%  | 100% |
| Efficiency (%) | 64.0 | 70.0 | 75.0 |
| Power Factor   | 0.62 | 0.74 | 0.82 |

|                                     |     |
|-------------------------------------|-----|
| Load type                           | : - |
| Load torque                         | : - |
| Load inertia (J=GD <sup>2</sup> /4) | : - |

|                      |                  |               |
|----------------------|------------------|---------------|
|                      | Drive end        | Non drive end |
| Bearing type         | 6204-ZZ          | 6202-ZZ       |
| Lubrication interval | -                | -             |
| Lubricant amount     | -                | -             |
| Lubricant type       | MOBIL POLYREX EM |               |

|                  |     |
|------------------|-----|
| Foundation loads |     |
| Max. traction    | : - |
| Max. compression | : - |

### Notes

See notes on page 2.

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 be changed after manufacturing process.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

| Rev.         | Changes Summary |  | Rev.       | Checked | Date |
|--------------|-----------------|--|------------|---------|------|
|              |                 |  |            |         |      |
| Performed by | farazq          |  | 1847549992 |         |      |
| Checked by   | AUTOMATICO      |  | Page       | Rev.    |      |
| Date         | 12/05/2026      |  | 1 / 2      | 0       |      |

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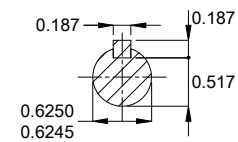
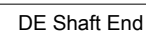
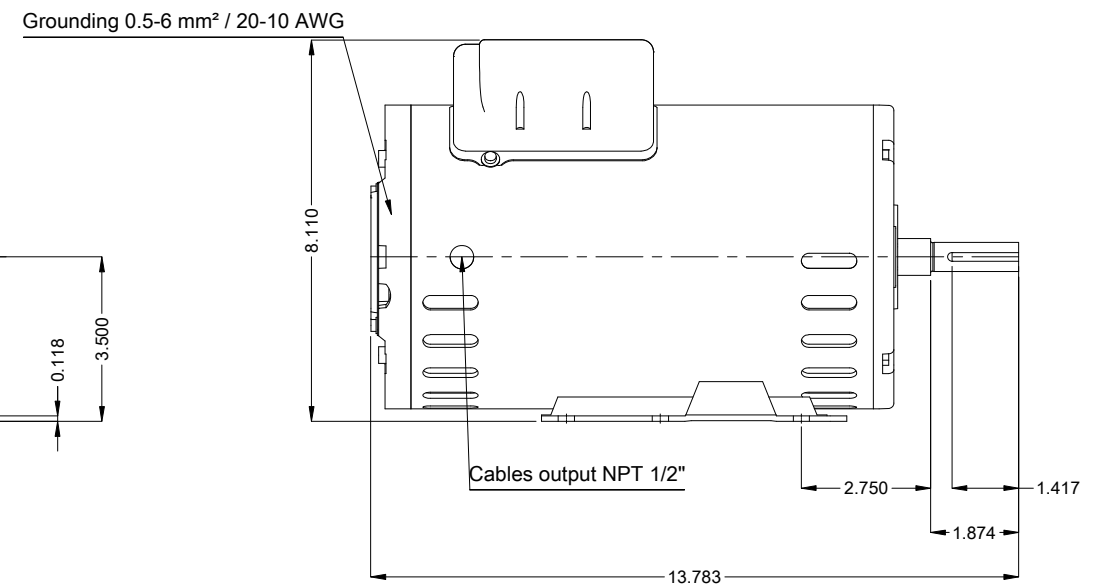
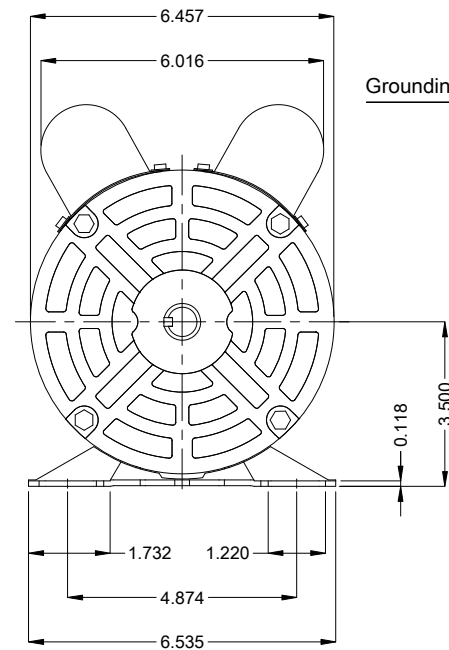
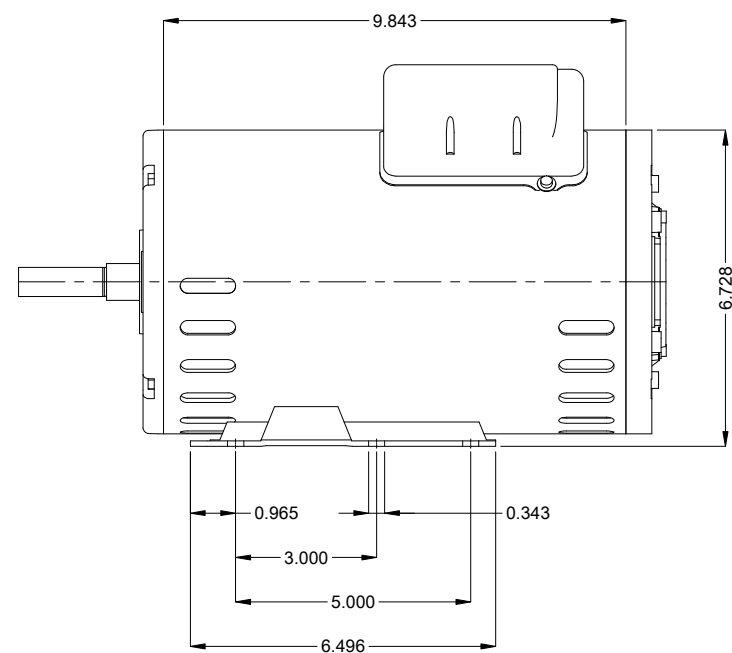
| Thermal protection ID | Application | Type | Quantity | Sensing Temperature |
|-----------------------|-------------|------|----------|---------------------|
|-----------------------|-------------|------|----------|---------------------|

Notes

|           |               |                 |           |                 |
|-----------|---------------|-----------------|-----------|-----------------|
| Standards | Specification | : MG1 - Part 10 | Vibration | : MG1 - Part 7  |
|           | Test          | : MG1 - Part 12 | Tolerance | : MG1 - Part 12 |
|           | Noise         | : MG1 - Part 9  |           |                 |

|                                                                                                                                                                                                                                                               |                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
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|                                             |
|---------------------------------------------|
| Reinforce the foot with 2 mig welding spots |
| Phenolic thermal protector - manual         |
| Mounting MARKET F-1/B3R(D)                  |
| Mounting B3R(D)                             |

|                           |            |                                                                                                                                                                             |                                                            |  |            |         |                     |      |                                                                                       |    |
|---------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--|------------|---------|---------------------|------|---------------------------------------------------------------------------------------|----|
| 2 HP    04 Poles    60 Hz |            |                                                                                                                                                                             |                                                            |  |            |         |                     |      |                                                                                       | A  |
| Scale 1 : 4               |            |                                                                                                                                                                             |                                                            |  |            |         |                     |      |                                                                                       |    |
|                           |            |                                                                                                                                                                             |                                                            |  |            |         |                     |      |                                                                                       |    |
|                           |            |                                                                                                                                                                             |                                                            |  | HYBRISUSER |         |                     |      |                                                                                       | 00 |
| ECM                       | LOC        | SUMMARY OF MODIFICATIONS                                                                                                                                                    |                                                            |  | EXECUTED   | CHECKED | RELEASED            | DATE | VER                                                                                   |    |
| EXECUTED                  | HYBRISUSER |   | SINGLE PH. MOTOR W01 COMPRESSOR DUTY<br>FRAME 56H IP21 ODP |  |            |         | PREVIEW<br>WDD   00 |      |  |    |
| CHECKED                   |            |                                                                                                                                                                             |                                                            |  |            |         |                     |      |                                                                                       |    |
| RELEASED                  |            |                                                                                                                                                                             |                                                            |  |            |         |                     |      |                                                                                       |    |
| REL. DATE                 |            |                                                                                                                                                                             |                                                            |  |            |         |                     |      |                                                                                       |    |
|                           |            |                                                                                                                                                                             |                                                            |  | SHEET      |         | 1 / 1               |      |                                                                                       |    |