

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - ODP - High Efficiency JP

Product code : 17729123

|                       |                   |                             |                         |
|-----------------------|-------------------|-----------------------------|-------------------------|
| Frame                 | : 254/6JP         | Locked rotor time           | : 9 s (hot) 16 s (cold) |
| Output                | : 20 HP (15 kW)   | Temperature rise            | : 80 K                  |
| Poles                 | : 2               | Duty cycle                  | : S1                    |
| Frequency             | : 60 Hz           | Ambient temperature         | : -20 °C to +40 °C      |
| Rated voltage         | : 415 V           | Altitude                    | : 3280 ft               |
| Rated current         | : 26.3 A          | Protection degree           | : IP21                  |
| L. R. Amperes         | : 158 A           | Cooling method              | : IC01 - ODP            |
| LRC                   | : 6.0             | Mounting                    | : W-6/V18R(D)           |
| No load current       | : 10.1 A          | Rotation <sup>1</sup>       | : Both                  |
| Rated speed           | : 3520 rpm        | Noise level <sup>2</sup>    | : 70.0 dB(A)            |
| Slip                  | : 2.22 %          | Vibration class             | : A                     |
| Rated torque          | : 29.4 ft.lb      | Starting method             | : Direct On Line        |
| Locked rotor torque   | : 180 %           | Approx. weight <sup>3</sup> | : 151 lb                |
| Pull up torque        | : 135 %           | Painting plan               | : 207N                  |
| Breakdown torque      | : 240 %           | Color                       | : RAL 3002              |
| Insulation class      | : F               | Design                      | : B                     |
| Service factor        | : 1.15            |                             |                         |
| Moment of inertia (J) | : 0.6977 sq.ft.lb |                             |                         |

|                |      |      |      |                                     |     |
|----------------|------|------|------|-------------------------------------|-----|
| Output         | 50%  | 75%  | 100% | Load type                           | : - |
| Efficiency (%) | 88.5 | 89.5 | 90.2 | Load torque                         | : - |
| Power Factor   | 0.75 | 0.84 | 0.88 | Load inertia (J=GD <sup>2</sup> /4) | : - |

|                      |                  |               |                  |
|----------------------|------------------|---------------|------------------|
|                      | Drive end        | Non drive end | Foundation loads |
| Bearing type #1      | 6309-Z-C3        | 6208-Z-C3     | Max. traction    |
| Bearing type #2      | -                | -             | Max. compression |
| Lubrication interval | 15797 h          | 20000 h       |                  |
| Lubricant amount #1  | 13 g             | 8 g           |                  |
| Lubricant amount #2  | -                | -             |                  |
| Lubricant type       | MOBIL POLYREX EM |               |                  |

### 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          |  |      | 1871605481 |      |
| Checked by   | AUTOMATICO      |  |      | Page       | Rev. |
| Date         | 09/07/2026      |  |      | 1 / 2      | 0    |

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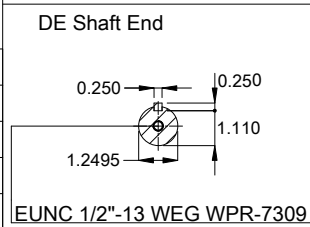
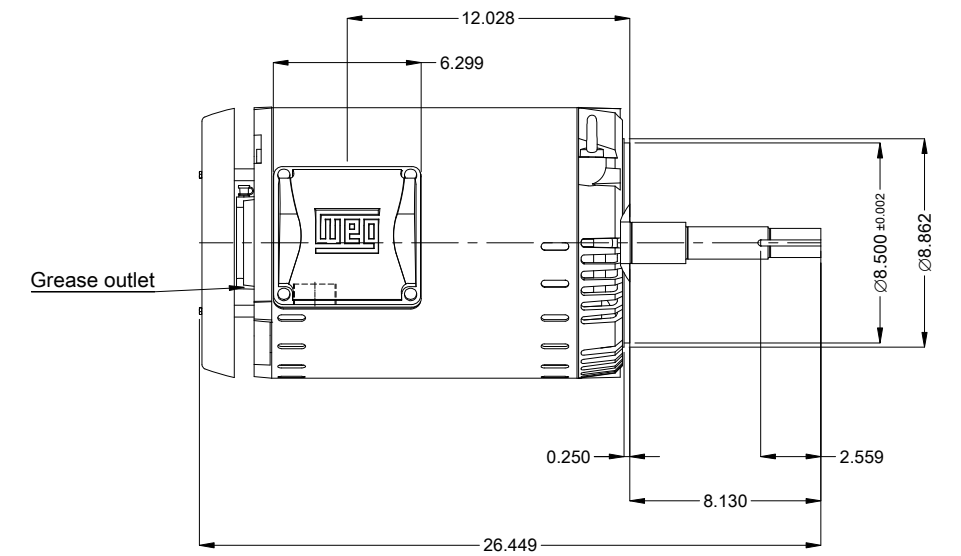
|                       |             |      |          |                     |
|-----------------------|-------------|------|----------|---------------------|
| Thermal protection ID | Application | Type | Quantity | Sensing Temperature |
|-----------------------|-------------|------|----------|---------------------|

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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|                            |            |                                                                                       |                                                                         |  |  |            |         |          |                                                                                       |       |
|----------------------------|------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--|--|------------|---------|----------|---------------------------------------------------------------------------------------|-------|
| 20 HP    02 Poles    60 Hz |            |                                                                                       |                                                                         |  |  |            |         |          |                                                                                       | A     |
|                            |            |                                                                                       |                                                                         |  |  |            |         |          |                                                                                       |       |
|                            |            |                                                                                       |                                                                         |  |  | Scale      |         |          |                                                                                       | 1 : 8 |
|                            |            |                                                                                       |                                                                         |  |  | HYBRISUSER |         |          |                                                                                       | 00    |
| ECM                        | LOC        | SUMMARY OF MODIFICATIONS                                                              |                                                                         |  |  | EXECUTED   | CHECKED | RELEASED | DATE                                                                                  | VER   |
| EXECUTED                   | HYBRISUSER |  | THREE PH. MOTOR ROLLED STEEL   JP   HIGH EFF.<br>FRAME 254/6JP IP21 ODP |  |  |            | PREVIEW |          |  |       |
| CHECKED                    |            |                                                                                       |                                                                         |  |  |            |         |          |                                                                                       |       |
| RELEASED                   |            |                                                                                       |                                                                         |  |  |            |         |          |                                                                                       |       |
| REL. DATE                  |            |                                                                                       |                                                                         |  |  |            |         |          |                                                                                       |       |