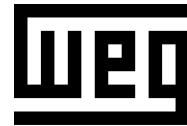


# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

|  |                             |                             |                        |      |  |                      |  |  |  |  |
|--|-----------------------------|-----------------------------|------------------------|------|--|----------------------|--|--|--|--|
| Product line   | : Rolled Steel Single-Phase |                             |                        |      | Product code :   | 14201788             |  |  |  |  |
|  |                             |                             |                        |      | Catalog # :  | 00218OT1BO56Z-S      |  |  |  |  |
| Frame  | : 56HZ                      | Locked rotor time           | : 32s (cold) 18s (hot) |      |  |                      |  |  |  |  |
| Output   | : 2 HP (1.5 kW)             | Temperature rise            | : 80 K                 |      |  |                      |  |  |  |  |
| Poles  | : 4                         | Duty cycle                  | : Cont.(S1)            |      |  |                      |  |  |  |  |
| Frequency  | : 60 Hz                     | Ambient temperature         | : -20°C to +40°C       |      |  |                      |  |  |  |  |
| Rated voltage  | : 115/208-230 V             | Altitude                    | : 1000 m.a.s.l.        |      |  |                      |  |  |  |  |
| Rated current  | : 17.7/9.50-8.87 A          | Cooling method              | : IC01 - ODP           |      |  |                      |  |  |  |  |
| L. R. Amperes  | : 115/61.7-57.7 A           | Mounting                    | : F-1                  |      |  |                      |  |  |  |  |
| LRC  | : 6.5x(Code H)              | Rotation <sup>1</sup>       | : CCW                  |      |  |                      |  |  |  |  |
| No load current  | : 6.20/2.67-3.10 A          | Noise level <sup>2</sup>    | : 52.0 dB(A)           |      |  |                      |  |  |  |  |
| Rated speed  | : 1730 rpm                  | Starting method             | : Direct On Line       |      |  |                      |  |  |  |  |
| Slip   | : 3.89 %                    | Approx. weight <sup>3</sup> | : 52.1 lb              |      |  |                      |  |  |  |  |
| Rated torque   | : 6.07 ft.lb                |                             |                        |      |  |                      |  |  |  |  |
| Locked rotor torque  | : 290 %                     |                             |                        |      |  |                      |  |  |  |  |
| Breakdown torque   | : 225 %                     |                             |                        |      |  |                      |  |  |  |  |
| Insulation class   | : F                         |                             |                        |      |  |                      |  |  |  |  |
| Service factor   | : 1.15                      |                             |                        |      |  |                      |  |  |  |  |
| Moment of inertia (J)  | : 0.1614 sq.ft.lb           |                             |                        |      |  |                      |  |  |  |  |
| Design   | : L                         |                             |                        |      |  |                      |  |  |  |  |
| Output   | 25%                         | 50%                         | 75%                    | 100% | Foundation loads   |                      |  |  |  |  |
| Efficiency (%)   | 82.2                        | 83.0                        | 84.0                   | 84.5 | Max. traction  | : 108 lb             |  |  |  |  |
| Power Factor   | 0.49                        | 0.75                        | 0.83                   | 0.87 | Max. compression   | : 160 lb             |  |  |  |  |
| Bearing type   | : 6205 ZZ                   |                             |                        |      | Drive end  | Non drive end        |  |  |  |  |
| Sealing  | : Without Bearing Seal      |                             |                        |      | 6202 ZZ  | 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.<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         | 26/03/2024      |  |  |           | 1 / 1   |          |