

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 00022 Single-Phase

Product code :

14672459

Catalog # :

00518ES1DFD215Z-W22

Frame : 213/5TZ  
 Output : 5 HP (3.7 kW)  
 Poles : 4  
 Frequency : 60 Hz  
 Rated voltage : 230 V  
 Rated current : 21.3 A  
 L. R. Amperes : 155 A  
 LRC : 7.3x(Code J)  
 No load current : 8.80 A  
 Rated speed : 1750 rpm  
 Slip : 2.78 %  
 Rated torque : 15.0 ft.lb  
 Locked rotor torque : 370 %  
 Breakdown torque : 250 %  
 Insulation class : F  
 Service factor : 1.15  
 Moment of inertia (J) : 0.7124 sq.ft.lb

Locked rotor time : 10s (cold) 6s (hot)  
 Temperature rise : 80 K  
 Duty cycle : Cont.(S1)  
 Ambient temperature : -20°C to +40°C  
 Altitude : 1000 m.a.s.l.  
 Protection degree : IP55  
 Cooling method : IC411 - TEFC  
 Mounting : F-1  
 Rotation<sup>1</sup> : Both (CW and CCW)  
 Noise level<sup>2</sup> : 63.0 dB(A)  
 Starting method : Direct On Line  
 Approx. weight<sup>3</sup> : 143 lb

| Output         | 25%  | 50%  | 75%  | 100% |
|----------------|------|------|------|------|
| Efficiency (%) | 68.6 | 71.0 | 77.9 | 80.5 |
| Power Factor   | 0.56 | 0.87 | 0.92 | 0.94 |

Foundation loads  
 Max. traction : 137 lb  
 Max. compression : 285 lb

|                      | Drive end        | Non drive end |
|----------------------|------------------|---------------|
| Bearing type         | 6308 2RS         | 6206 2RS      |
| Sealing              | V'Ring           | V'Ring        |
| Lubrication interval | -                | -             |
| 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 | Date |
|--------------|-----------------|-------------------------------------------|---------|------|
|              |                 |                                           |         |      |
| Performed by |                 | <div>Page 1 / 2</div> <div>Revision</div> |         |      |
| Checked by   |                 |                                           |         |      |
| Date         | 01/07/2026      |                                           |         |      |

# LOAD PERFORMANCE CURVE

## Single Phase Induction Motor - Squirrel Cage



Customer :

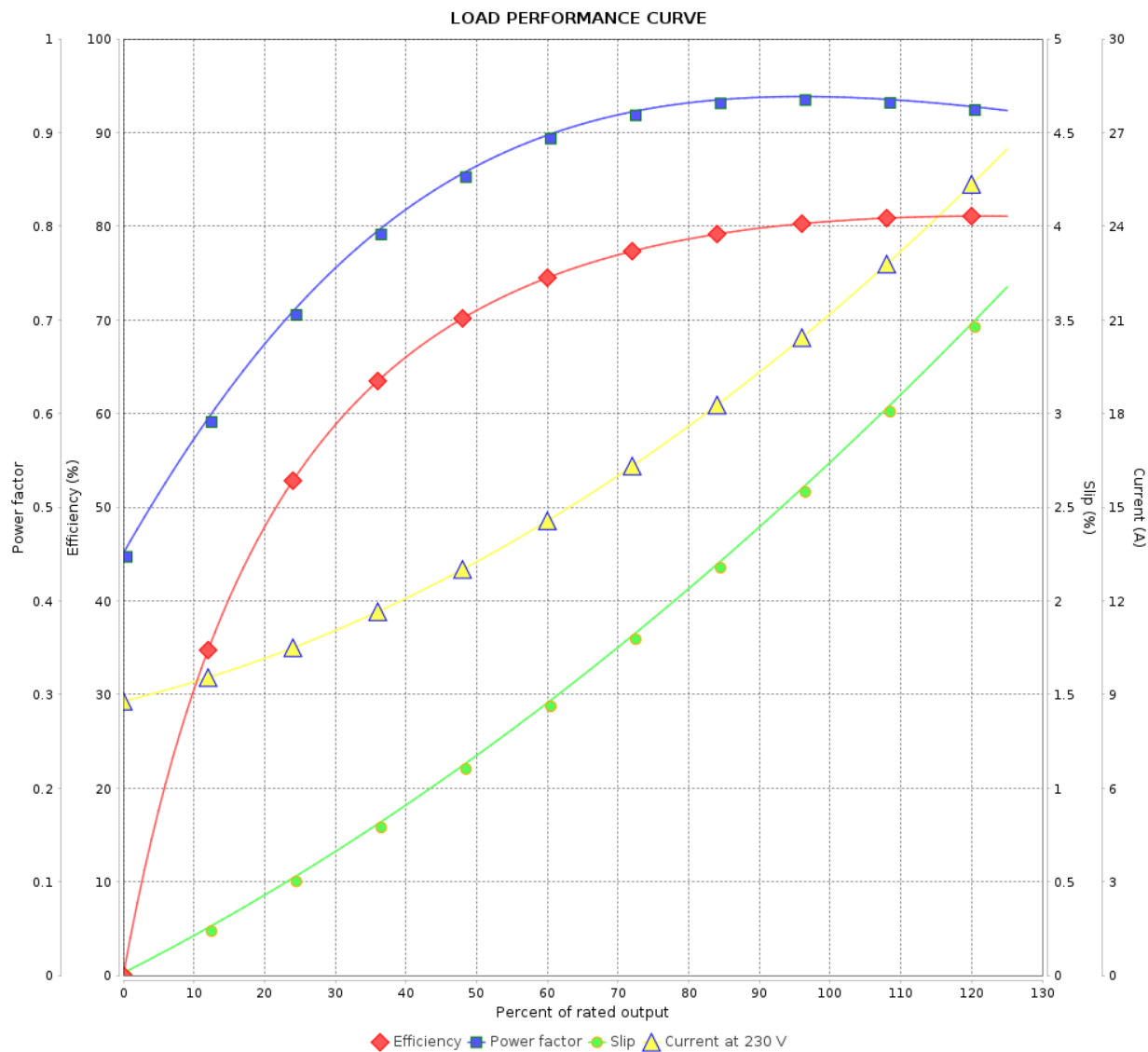
Product line : W22 00022 Single-Phase

Product code :

14672459

Catalog # :

00518ES1DFD215Z-W22



Performance : 230 V 60 Hz 4P

Rated current : 21.3 A  
LRC : 7.3  
Rated torque : 15.0 ft.lb  
Locked rotor torque : 370 %  
Breakdown torque : 250 %  
Rated speed : 1750 rpm

Moment of inertia (J) : 0.7124 sq.ft.lb  
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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| Date         | 01/07/2026      |  |           |               |          |