

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Standard Efficiency Three-Phase Product code : 15717157

|                       |                           |                             |                         |
|-----------------------|---------------------------|-----------------------------|-------------------------|
| Frame                 | : 284/6T                  | Locked rotor time           | : 34s (cold) 19s (hot)  |
| Output                | : 7.5 HP (5.5 kW)         | Temperature rise            | : 80 K                  |
| Poles                 | : 10                      | Duty cycle                  | : Cont.(S1)             |
| Frequency             | : 60 Hz                   | Ambient temperature         | : -20°C to +40°C        |
| Rated voltage         | : 575 V                   | Altitude                    | : 1000 m.a.s.l.         |
| Rated current         | : 8.97 A                  | Protection degree           | : IP55                  |
| L. R. Amperes         | : 62.8 A                  | Cooling method              | : IC411 - TEFC          |
| LRC                   | : 7.0x(Code K)            | Mounting                    | : F-1                   |
| No load current       | : 4.59 A                  | Rotation <sup>1</sup>       | : Both (CW and CCW)     |
| Rated speed           | : 705 rpm                 | Noise level <sup>2</sup>    | : 60.0 dB(A)            |
| Slip                  | : 2.08 %                  | Vibration                   | : A                     |
| Rated torque          | : 7 kgfm                  | Starting method             | : Direct On Line        |
| Locked rotor torque   | : 190 %                   | Approx. weight <sup>3</sup> | : 165 kg                |
| Breakdown torque      | : 260 %                   |                             | : 203A (ISO 12944 - C3) |
| Insulation class      | : F                       |                             | : RAL 5009              |
| Service factor        | : 1.15                    | Design                      | : A                     |
| Moment of inertia (J) | : 0.2313 kgm <sup>2</sup> |                             |                         |

|                |      |      |      |                  |           |
|----------------|------|------|------|------------------|-----------|
| Output         | 50%  | 75%  | 100% | Foundation loads |           |
| Efficiency (%) | 83.3 | 85.4 | 85.5 | Max. traction    | : 204 kgf |
| Power Factor   | 0.52 | 0.64 | 0.72 | Max. compression | : 369 kgf |

|                      | Drive end        | Non drive end |
|----------------------|------------------|---------------|
| Bearing type         | : 6311 C3        | : 6211 C3     |
| Sealing              | : V'Ring         | : V'Ring      |
| Lubrication interval | : 20000 h        | : 20000 h     |
| Lubricant amount     | : 18 g           | : 11 g        |
| 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 |                 | Page Revision<br>1 / 2 |         |      |
| Checked by   |                 |                        |         |      |
| Date         | 30/09/2026      |                        |         |      |

# LOAD PERFORMANCE CURVE

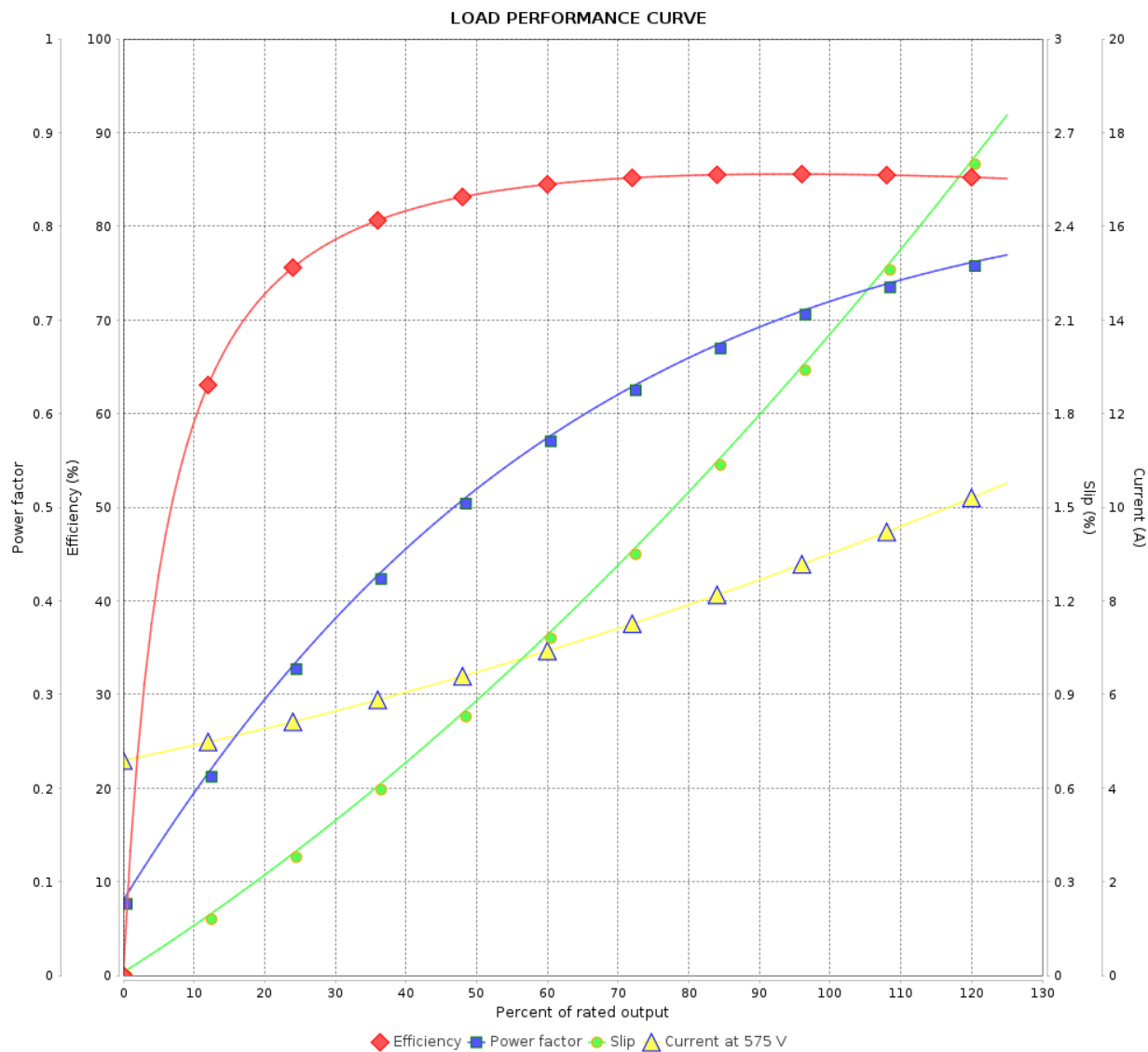
## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Standard Efficiency Three-Phase

Product code : 15717157



Performance : 575 V 60 Hz 10P

Rated current : 8.97 A  
LRC : 7.0  
Rated torque : 7 kgfm  
Locked rotor torque : 190 %  
Breakdown torque : 260 %  
Rated speed : 705 rpm

Moment of inertia (J) : 0.2313 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.15  
Temperature rise : 80 K  
Design : A

| Rev.         | Changes Summary |  | Performed | Checked | Date     |
|--------------|-----------------|--|-----------|---------|----------|
|              |                 |  |           |         |          |
| Performed by |                 |  |           | Page    | Revision |
| Checked by   |                 |  |           | 2 / 2   |          |
| Date         |                 |  |           |         |          |