

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency  
Three-Phase

Product code : 12651247

Catalog # : 01018ET3E215TC-S

Frame : 213/5TC  
Output : 10 HP (7.5 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 230/460 V  
Rated current : 24.4/12.2 A  
L. R. Amperes : 171/85.4 A  
LRC : 7.0x(Code H)  
No load current : 11.1/5.54 A  
Rated speed : 1760 rpm  
Slip : 2.22 %  
Rated torque : 29.8 ft.lb  
Locked rotor torque : 250 %  
Breakdown torque : 300 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 1.07 sq.ft.lb  
Design : B

Locked rotor time : 27s (cold) 15s (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> : 60.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 142 lb

| Output         | 50%  | 75%  | 100% |
|----------------|------|------|------|
| Efficiency (%) | 91.0 | 91.0 | 91.7 |
| Power Factor   | 0.67 | 0.78 | 0.84 |

Foundation loads  
Max. traction : 434 lb  
Max. compression : 576 lb

|                      | Drive end        | Non drive end        |
|----------------------|------------------|----------------------|
| Bearing type         | 6208 ZZ          | 6206 ZZ              |
| Sealing              | V'Ring           | Without Bearing Seal |
| Lubrication interval | -                | -                    |
| Lubricant amount     | -                | -                    |
| Lubricant type       | Mobil Polyrex EM |                      |

Notes:  
USABLE @208V 27.0A SF 1.00 SFA 27.0A

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<br>1 / 1 |         |      |
| Checked by   |                 |               |         |      |
| Date         | 26/03/2024      |               |         |      |
|              |                 | Revision      |         |      |