

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Wash Down NEMA Premium
Efficiency Three-Phase

Product code : 15228126

Catalog # : 00718ET3EHWR213TC-S

Frame : 213/5TC
Output : 7.5 HP (5.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 18.4/9.18 A
L. R. Amperes : 134/67.0 A
LRC : 7.3x(Code J)
No load current : 8.81/4.41 A
Rated speed : 1770 rpm
Slip : 1.67 %
Rated torque : 22.3 ft.lb
Locked rotor torque : 260 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.9380 sq.ft.lb
Design : B

Locked rotor time : 32s (cold) 18s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP56
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 60.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 125 lb

Output	50%	75%	100%
Efficiency (%)	90.2 90.2	91.0 90.0	91.7 88.6
	89.4	90.1	89.4
Power Factor	0.64 0.71	0.76 0.82	0.82 0.86
	0.64	0.76	0.83

Foundation loads
Max. traction : 392 lb
Max. compression : 517 lb

	Drive end	Non drive end
Bearing type	6208 2RS	6206 2RS
Sealing	Viton Oil seal with Stainless Steel Spring	Viton Oil seal with Stainless Steel Spring
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		Page 1 / 1		
Checked by				
Date	29/03/2024			
		Revision		