

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 15228481

Catalog # : 01536ET3EHW254TC-S

Frame : 254/6TC
Output : 15 HP (11 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 34.8/17.4 A
L. R. Amperes : 237/118 A
LRC : 6.8x(Code G)
No load current : 13.0/6.50 A
Rated speed : 3525 rpm
Slip : 2.08 %
Rated torque : 22.3 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.8718 sq.ft.lb
Design : B

Locked rotor time : 25s (cold) 14s (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 : 75.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 196 lb

Output	25%	50%	75%	100%
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Efficiency (%)	89.2	89.5	91.0	91.0
Power Factor	0.47	0.73	0.83	0.87

Foundation loads

Max. traction : 223 lb
Max. compression : 419 lb

	Drive end	Non drive end
Bearing type	6309 2RS	6208 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:

USABLE @208V 38.5A SF 1.00 SFA 38.5A

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		