

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 13629723
Catalog # : 00736ET3EPM213/5Y-W2

Frame	: 215YZ	Locked rotor time	: 48s (cold) 27s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 19.4-17.5/8.76 A	Protection degree	: IP55
L. R. Amperes	: 140-126/63.1 A	Cooling method	: IC410 - TEAO
LRC	: 7.2x(Code H)	Mounting	: F-1
No load current	: 0.000-5.40/2.70 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3520 rpm	Noise level ²	: 72.0 dB(A)
Slip	: 2.22 %	Starting method	: Direct On Line
Rated torque	: 11.0 ft.lb	Approx. weight ³	: 153 lb
Locked rotor torque	: 210 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: B		
Design			

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	87.2	87.5	89.5	89.5	Max. traction	: 110 lb
Power Factor	0.72	0.75	0.84	0.88	Max. compression	: 263 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6308 ZZ	6207 ZZ
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		Page Revision 1 / 1		
Checked by				
Date	23/01/2018			