

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 High Efficiency Three-Phase

Product code :

10672559

Catalog # :

00736EP3EPM213/5Y

Frame	: 215T	Locked rotor time	: 46s (cold) 26s (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	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 17.3/8.67 A	Protection degree	: IP55
L. R. Amperes	: 123/61.6 A	Cooling method	: IC411 - TEFC
LRC	: 7.1x(Code H)	Mounting	: F-1
No load current	: 5.50/2.75 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 3515 rpm	Noise level <sup>2</sup>	: 72.0 dB(A)
Slip	: 2.36 %	Starting method	: Direct On Line
Rated torque	: 11.2 ft.lb	Approx. weight <sup>3</sup>	: 139 lb
Locked rotor torque	: 220 %		
Breakdown torque	: 350 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.4879 sq.ft.lb		
Design	: B		

Output	25%		50%		75%		100%		Foundation loads	
Efficiency (%)	84.3	84.4	85.5	84.0	87.5	86.5	88.5	85.5	Max. traction	: 144 lb
	83.6	85.2	84.0	85.5	86.5	86.5	86.5	86.5		
Power Factor	0.55	0.58	0.80	0.82	0.87	0.88	0.90	0.90	Max. compression	: 283 lb
	0.54	0.51	0.79	0.76	0.86	0.85	0.89	0.88		

					<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				
Checked by				
Date	28/03/2024			
			Page	Revision
			1 / 1	