

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 13674351
Catalog # : 02012ET3EPM284/6Y-W2

Frame	: 286Y	Locked rotor time	: 28s (cold) 16s (hot)
Output	: 20 HP (15 kW)	Temperature rise	: 80 K
Poles	: 6	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	: 53.4-48.3/24.2 A	Protection degree	: IP55
L. R. Amperes	: 331-299/150 A	Cooling method	: IC410 - TEAO
LRC	: 6.2x(Code G)	Mounting	: F-1
No load current	: 0.000-19.0/9.50 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1175 rpm	Starting method	: Direct On Line
Slip	: 2.08 %	Approx. weight ³	: 392 lb
Rated torque	: 88.2 ft.lb		
Locked rotor torque	: 229 %		
Breakdown torque	: 260 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: B		
Design			

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	90.8	91.0	91.7	91.7	Max. traction	: 804 lb
Power Factor	0.66	0.70	0.80	0.85	Max. compression	: 1196 lb

		Drive end	Non drive end
Bearing type	:	6311 C3	6211 C3
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	18 g	11 g
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			