

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 13629661
Catalog # : 00156ET3EPM143/5Y-W2

Frame	: 145YZ	Locked rotor time	: 37s (cold) 21s (hot)
Output	: 1.5 HP (1.1 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	: 4.33-3.91/1.96 A	Protection degree	: IP55
L. R. Amperes	: 38.5-34.8/17.4 A	Cooling method	: IC410 - TEAO
LRC	: 8.9x(Code L)	Mounting	: F-1
No load current	: 0.000-1.50/0.750 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3490 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 3.06 %	Starting method	: Direct On Line
Rated torque	: 2.23 ft.lb	Approx. weight ³	: 44.3 lb
Locked rotor torque	: 350 %		
Breakdown torque	: 380 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: B		
Design			

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	81.1	81.5	84.0	84.0	Max. traction	: 51 lb
Power Factor	0.67	0.70	0.80	0.84	Max. compression	: 95 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6205 ZZ	6204 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			