

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Close Coupled Pump JM
NEMA Premium Efficiency Three-Phase
Product code : 13469728
Catalog # : 00236ET3H145JM-W22

Frame	: 143/5JM	Locked rotor time	: 30s (cold) 17s (hot)
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 2.05 A	Protection degree	: IP55
L. R. Amperes	: 18.2 A	Cooling method	: IC411 - TEFC
LRC	: 8.9x(Code L)	Mounting	: F-1
No load current	: 0.720 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3475 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 3.47 %	Starting method	: Direct On Line
Rated torque	: 2.98 ft.lb	Approx. weight ³	: 54.4 lb
Locked rotor torque	: 350 %		
Breakdown torque	: 380 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.0605 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	82.0	82.5	85.5	85.5	Max. traction : 73 lb
Power Factor	0.47	0.71	0.80	0.86	Max. compression : 127 lb

	Drive end	Non drive end
Bearing type	: 6206 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 1 / 1 Revision		
Checked by				
Date	22/01/2018			