

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JP Pump NEMA Premium
Efficiency Three-Phase

Product code : 14807035

Catalog # : 00112ET3E145JP-S

Frame	: 143/5JP	Locked rotor time	: 55s (cold) 31s (hot)
Output	: 1 HP (0.75 kW)	Temperature rise	: 80 K
Poles	: 6	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	: 3.16/1.58 A	Protection degree	: IP55
L. R. Amperes	: 18.3/9.16 A	Cooling method	: IC411 - TEFC
LRC	: 5.8x(Code J)	Mounting	: F-1
No load current	: 2.03/1.01 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1145 rpm	Noise level ²	: 50.0 dB(A)
Slip	: 4.58 %	Starting method	: Direct On Line
Rated torque	: 4.59 ft.lb	Approx. weight ³	: 2.2 lb
Locked rotor torque	: 229 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1597 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	79.5	82.0	80.0	80.1	82.5	80.1	82.5	77.3	Max. traction	: 121 lb
	78.9		78.6		80.3		79.3			
Power Factor	0.28	0.33	0.50	0.58	0.63	0.71	0.72	0.79	Max. compression	: 123 lb
	0.29		0.51		0.65		0.74			

					<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:				6206 ZZ	6203 ZZ
Sealing	:				V'Ring	Without Bearing Seal
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	29/03/2024			
			Page	Revision
			1 / 1	