

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 13482797

Catalog # : 01036OT3E213JMV-S

Frame	: 213/5JM	Locked rotor time	: 19s (cold) 11s (hot)
Output	: 10 HP (7.5 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	: 24.0/12.0 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 163/81.6 A	Mounting	: W-6
LRC	: 6.8x(Code H)	Rotation ¹	: Both (CW and CCW)
No load current	: 9.32/4.66 A	Noise level ²	: 66.0 dB(A)
Rated speed	: 3535 rpm	Starting method	: Direct On Line
Slip	: 1.81 %	Approx. weight ³	: 122 lb
Rated torque	: 14.9 ft.lb		
Locked rotor torque	: 200 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.4651 sq.ft.lb		
Design	: B		

Output	25%		50%		75%		100%		Foundation loads	
Efficiency (%)	88.3	91.2	88.5	89.4	89.5	88.6	89.5	86.5	Max. traction	: 191 lb
	89.9		89.0		89.1		87.9			
Power Factor	0.47	0.53	0.74	0.80	0.84	0.88	0.88	0.91	Max. compression	: 314 lb
	0.45		0.73		0.84		0.89			

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6209 ZZ	6206 ZZ
Sealing	:	Without Bearing Seal	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		Page 1 / 1		
Checked by				
Date	29/03/2024			
			Revision	