DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

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

Product code : 12682728

Catalog # : 01018OT3E215JP-S

Frame	: 213/5JP	Locked rotor time	: 25s (cold) 14s (hot)
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 24.8/12.4 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 174/86.8 A	Mounting	: F-1
LRC	: 7.0x(Code H)	Rotation¹	: Both (CW and CCW)
No load current	: 12.0/5.99 A	Noise level²	: 59.0 dB(A)
Rated speed	: 1770 rpm	Starting method	: Direct On Line
Slip	: 1.67 %	Approx. weight³	: 133 lb
Rated torque	: 29.7 ft.lb		
Locked rotor torque	: 250 %		
Breakdown torque	: 350 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 1.30 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	89.4 91.4 89.5	90.2 90.1 89.1	91.0 89.7 89.7	91.7 88.1 89.0
Power Factor	0.38 0.45 0.38	0.64 0.72 0.64	0.77 0.82 0.77	0.83 0.87 0.84

Foundation loads

Max. traction	: 538 lb
Max. compression	: 671 lb

		Drive end	Non drive end
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				
Checked by			Page	Revision
Date	29/03/2024		1 / 1	

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