DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Rolled Steel JP Pump NEMA Premium Efficiency Three-Phase	Product code :	14376800
		Catalog # :	02018OT3E256JPV-S

Frame	: 254/6JP	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 20 HP (15 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	: 50.0/25.0 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 315/158 A	Mounting	: W-6
LRC	: 6.3x(Code G)	Rotation¹	: Both (CW and CCW)
No load current	: 22.9/11.4 A	Noise level²	: 64.0 dB(A)
Rated speed	: 1770 rpm	Starting method	: Direct On Line
Slip	: 1.67 %	Approx. weight³	: 198 lb
Rated torque	: 59.3 ft.lb		
Locked rotor torque	: 240 %		
Breakdown torque	: 290 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 2.23 sq.ft.lb		
Design	: B		

Output	25%		50%		75%		100%	
Efficiency (%)	91.7	93.0	92.4	91.8	92.4	91.2	93.0	89.7
	91.4		90.9		91.3		90.5	
Power Factor	0.38	0.46	0.63	0.72	0.74	0.82	0.81	0.85
	0.38		0.64		0.76		0.82	

Foundation loads

Max. traction	: 829 lb
Max. compression	: 1027 lb

		Drive end	Non drive end
Bearing type	:	6309 Z C3	6208 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	13 g	8 g
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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