

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :																																		
Product line : Close Coupled Pump NEMA Premium Efficiency Three-Phase		Product code : 12712284																																
		Catalog # : 05018OT3H326JP																																
Frame	: 326JP		Locked rotor time	: 21s (cold) 12s (hot)																														
Output	: 50 HP (37 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	: 120/59.9 A		Protection degree	: IP23																														
L. R. Amperes	: 755/377 A		Cooling method	: IC01 - ODP																														
LRC	: 6.3x(Code G)		Mounting	: F-1																														
No load current	: 48.0/24.0 A		Rotation ¹	: Both (CW and CCW)																														
Rated speed	: 1775 rpm		Noise level ²	: 65.0 dB(A)																														
Slip	: 1.39 %		Starting method	: Direct On Line																														
Rated torque	: 148 ft.lb		Approx. weight ³	: 545 lb																														
Locked rotor torque	: 240 %																																	
Breakdown torque	: 250 %																																	
Insulation class	: F																																	
Service factor	: 1.15																																	
Moment of inertia (J)	: 7.04 sq.ft.lb																																	
Design	: B																																	
Output	25%	50%	75%	100%																														
Efficiency (%)	94.0	90.9	94.1	91.6																														
	94.5	93.6	93.1	93.2																														
	93.6	93.6	93.1	93.2																														
	92.8	92.8	93.0	93.0																														
Power Factor	0.44	0.47	0.70	0.72																														
	0.79	0.81	0.82	0.85																														
	0.82	0.79	0.74	0.82																														
	0.54	0.49	0.78	0.73																														
	0.84	0.81	0.85	0.83																														
	0.45	0.69	0.78	0.82																														
Foundation loads																																		
Max. traction		: 2324 lb																																
Max. compression		: 2869 lb																																
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<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>			<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>																															
Rev.	Changes Summary		Performed	Checked																														
Performed by			Page	Revision																														
Checked by																																		
Date	29/03/2024																																	
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