

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :																																		
Product line : Close Coupled Pump NEMA Premium Efficiency Three-Phase		Product code : 13469334																																
		Catalog # : 04036OT3E286JMV																																
Frame	: 286JM		Locked rotor time	: 41s (cold) 23s (hot)																														
Output	: 40 HP (30 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	: 94.2/47.1 A		Protection degree	: IP23																														
L. R. Amperes	: 603/301 A		Cooling method	: IC01 - ODP																														
LRC	: 6.4x(Code G)		Mounting	: W-6																														
No load current	: 32.0/16.0 A		Rotation ¹	: Both (CW and CCW)																														
Rated speed	: 3550 rpm		Noise level ²	: 73.0 dB(A)																														
Slip	: 1.39 %		Starting method	: Direct On Line																														
Rated torque	: 59.2 ft.lb		Approx. weight ³	: 388 lb																														
Locked rotor torque	: 250 %																																	
Breakdown torque	: 260 %																																	
Insulation class	: F																																	
Service factor	: 1.15																																	
Moment of inertia (J)	: 2.36 sq.ft.lb																																	
Design	: B																																	
Output	25%	50%	75%	100%																														
Efficiency (%)	91.5	86.7	91.7	88.8																														
	93.0	90.4	93.0	92.7																														
	92.7	92.8	86.5	87.6																														
	88.6	89.2	90.4	91.2																														
Power Factor	89.1	89.1	90.2	90.2																														
	91.0	91.0	91.0	91.0																														
	92.0	92.0	92.0	92.0																														
	92.0	92.0	90.5	91.0																														
	91.7	91.7	92.0																															
	0.49	0.49	0.74	0.73																														
	0.83	0.82	0.86	0.86																														
	0.43	0.39	0.68	0.64																														
	0.78	0.75	0.83	0.80																														
	0.57	0.51	0.80	0.76																														
	0.86	0.84	0.88	0.87																														
	0.46	0.72	0.81	0.85																														
Foundation loads																																		
Max. traction		: 429 lb																																
Max. compression		: 817 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	28/03/2024		1 / 1																															