

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line : Close Coupled Pump NEMA Premium Efficiency Three-Phase		Product code : 11266317		
		Catalog # : 02536OT3E256JP		
Frame	: 256JP	Locked rotor time	: 16s (cold) 9s (hot)	
Output	: 25 HP (18.5 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	: 59.6/29.8 A	Protection degree	: IP23	
L. R. Amperes	: 387/194 A	Cooling method	: IC01 - ODP	
LRC	: 6.5x(Code G)	Mounting	: F-1	
No load current	: 22.0/11.0 A	Rotation ¹	: Both (CW and CCW)	
Rated speed	: 3530 rpm	Noise level ²	: 67.0 dB(A)	
Slip	: 1.94 %	Starting method	: Direct On Line	
Rated torque	: 37.2 ft.lb	Approx. weight ³	: 243 lb	
Locked rotor torque	: 200 %			
Breakdown torque	: 260 %			
Insulation class	: F			
Service factor	: 1.15			
Moment of inertia (J)	: 1.08 sq.ft.lb			
Design	: B			
Output	25%	50%	75%	100%
Efficiency (%)	90.8	84.8	91.0	87.4
	91.7	89.1	91.7	91.9
	84.2	85.5	86.8	87.5
	89.0	89.9	91.9	91.9
	88.2	87.0	88.5	88.5
	89.5	89.5	89.5	90.9
	88.6	89.5	90.2	91.0
Power Factor	0.47	0.49	0.73	0.72
	0.82	0.82	0.85	0.87
	0.44	0.39	0.68	0.63
	0.79	0.75	0.84	0.82
	0.55	0.50	0.78	0.74
	0.86	0.83	0.88	0.86
	0.45	0.70	0.80	0.85
Foundation loads				
Max. traction	: 524 lb			
Max. compression	: 767 lb			
Bearing type	:	<u>Drive end</u>	<u>Non drive end</u>	
Sealing	:	6309 Z C3	6209 Z C3	
Lubrication interval	:	Without Bearing Seal	Without Bearing Seal	
Lubricant amount	:	20000 h	20000 h	
Lubricant type	:	13 g	9 g	
	:	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
Performed by				
Checked by			Page	Revision
Date	28/03/2024		1 / 1	