

Three Phase Induction Motor - Squirrel Cage



Product line : Close Coupled Pump High Efficiency Three-Phase Product code : 10654090

Frame	: 256JP	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 25 HP (18.5 kW)	Temperature rise	: 105 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	: 58.6/29.3 A	Protection degree	: IP23
L. R. Amperes	: 352/176 A	Cooling method	: IC01 - ODP
LRC	: 6.0x(Code G)	Mounting	: F-1
No load current	: 18.8/9.40 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	: 233 lb
Locked rotor torque	: 200 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.9774 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads				
Efficiency (%)	90.0	88.0	90.2	87.5	91.0	88.5	91.0	87.5	Max. traction : 402 lb
	88.1	88.3	87.5	88.5	88.5	88.5	87.5	88.5	
Power Factor	0.51	0.60	0.76	0.82	0.84	0.87	0.87	0.89	Max. compression : 635 lb
	0.55	0.51	0.78	0.75	0.85	0.83	0.88	0.87	

	<u>Drive end</u>	<u>Non drive end</u>
Bearing type	6309 Z C3	6209 Z C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	20000 h	20000 h
Lubricant amount	13 g	9 g
Lubricant type	Mobil Polyrex EM	

- (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.

	Performed	Checked	Date
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