

Three Phase Induction Motor - Squirrel Cage



Product line : Close Coupled Pump High Efficiency Three-Phase Product code : 11717548

Frame	: 364/5JP	Locked rotor time	: 23s (cold) 13s (hot)
Output	: 100 HP (75 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	: 230/115 A	Protection degree	: IP23
L. R. Amperes	: 1403/702 A	Cooling method	: IC01 - ODP
LRC	: 6.1x(Code F)	Mounting	: W-6
No load current	: 60.0/30.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3560 rpm	Noise level ²	: 83.0 dB(A)
Slip	: 1.11 %	Starting method	: Direct On Line
Rated torque	: 148 ft.lb	Approx. weight ³	: 806 lb
Locked rotor torque	: 190 %		
Breakdown torque	: 270 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 7.88 sq.ft.lb		
Design	: B		

Output	25%		50%		75%		100%		Foundation loads	
Efficiency (%)	92.9	92.1	93.0	91.7	93.0	92.4	93.0	91.7	Max. traction	: 1058 lb
	92.1	92.2	91.7	91.7	92.4	92.4	91.7	91.7		
Power Factor	0.58	0.61	0.82	0.82	0.86	0.86	0.88	0.88	Max. compression	: 1864 lb
	0.58	0.55	0.80	0.79	0.85	0.85	0.87	0.87		

	<u>Drive end</u>	<u>Non drive end</u>
Bearing type	6314 C3	6314 C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	7209 h	7209 h
Lubricant amount	27 g	27 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
		Page 1 / 1	Revision