

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :										
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%						
Efficiency (%)	92.9	92.1	93.0	91.7						
	92.1	92.2	91.7	91.7						
Power Factor	0.58	0.61	0.82	0.82						
	0.58	0.55	0.80	0.79						
Bearing type	Drive end		Non drive end							
	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									
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.										
Rev.	Changes Summary			Performed						
				Checked						
Performed by				Page						
Checked by				Revision						
Date	26/03/2024			1 / 1						