

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :										
Product line		: Close Coupled Pump High Efficiency Three-Phase		Product code : 10264920						
Frame	:	286JM		Locked rotor time	: 48s (cold) 27s (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	:	93.4/46.7 A		Protection degree	: IP23					
L. R. Amperes	:	579/290 A		Cooling method	: IC01 - ODP					
LRC	:	6.2x(Code G)		Mounting	: F-1					
No load current	:	26.0/13.0 A		Rotation ¹	: Both (CW and CCW)					
Rated speed	:	3545 rpm		Noise level ²	: 73.0 dB(A)					
Slip	:	1.53 %		Starting method	: Direct On Line					
Rated torque	:	59.3 ft.lb		Approx. weight ³	: 366 lb					
Locked rotor torque	:	229 %								
Breakdown torque	:	210 %								
Insulation class	:	F								
Service factor	:	1.15								
Moment of inertia (J)	:	2.16 sq.ft.lb								
Design	:	B								
Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	91.6	89.9	91.7	89.5	91.7	90.2	91.7	89.5	Max. traction	: 441 lb
	89.9	89.3	89.5	89.5	90.2	90.2	89.5	90.2		
Power Factor	0.55	0.63	0.79	0.84	0.86	0.88	0.88	0.89	Max. compression	: 807 lb
	0.57	0.53	0.81	0.78	0.86	0.85	0.88	0.87		
Bearing type	:	<u>Drive end</u> 6311 Z C3		<u>Non drive end</u> 6211 Z C3						
Sealing	:	Without Bearing Seal		Without Bearing Seal						
Lubrication interval	:	20000 h		20000 h						
Lubricant amount	:	18 g		11 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.			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	Date				
Performed by										
Checked by					Page	Revision				
Date	28/03/2024				1 / 1					