

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:									
Product line	: Close Coupled Pump High Efficiency Three-Phase	Product code :	10580504							
Frame	: 284JP	Locked rotor time	: 21s (cold) 12s (hot)							
Output	: 30 HP (22 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	: 69.0/34.5 A	Protection degree	: IP23							
L. R. Amperes	: 428/214 A	Cooling method	: IC01 - ODP							
LRC	: 6.2x(Code G)	Mounting	: W-6							
No load current	: 18.2/9.10 A	Rotation ¹	: Both (CW and CCW)							
Rated speed	: 3540 rpm	Noise level ²	: 72.0 dB(A)							
Slip	: 1.67 %	Starting method	: Direct On Line							
Rated torque	: 44.5 ft.lb	Approx. weight ³	: 330 lb							
Locked rotor torque	: 200 %									
Breakdown torque	: 270 %									
Insulation class	: F									
Service factor	: 1.15									
Moment of inertia (J)	: 1.68 sq.ft.lb									
Design	: B									
Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	90.9	89.1	91.0	88.5	91.0	89.5	91.0	88.5	Max. traction	: 374 lb
	89.1	88.2	88.5	88.5	89.5	89.5	88.5	89.5	Max. compression	: 704 lb
Power Factor	0.57	0.66	0.80	0.85	0.86	0.88	0.88	0.89		
	0.62	0.58	0.82	0.80	0.87	0.86	0.88	0.88		
Bearing type	:	<u>Drive end</u>		<u>Non drive end</u>						
Sealing	:	6311 Z C3		6211 Z C3						
Lubrication interval	:	Without Bearing Seal		Without Bearing Seal						
Lubricant amount	:	11517 h		14226 h						
Lubricant type	:	18 g		11 g						
		Mobil Polyrex EM								
Notes:										
This revision replaces and cancel the previous one, which must be eliminated.				These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.						
(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	Date
Performed by			Page 1 / 1	Revision
Checked by				
Date	28/03/2024			