

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :								
Product line	: W22 Close Coupled Pump JP NEMA Premium Efficiency Three-Phase							
Product code :	14333167							
Catalog # :	06012ET3E404JP-W22							
Frame : 404/5JP Output : 60 HP (45 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 139/69.5 A L. R. Amperes : 987/493 A LRC : 7.1x(Code H) No load current : 50.0/25.0 A Rated speed : 1185 rpm Slip : 1.25 % Rated torque : 266 ft.lb Locked rotor torque : 200 % Breakdown torque : 229 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 36.9 sq.ft.lb Design : B	Locked rotor time : 36s (cold) 20s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 68.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 1036 lb							
Output	25% 50% 75% 100%							
Efficiency (%)	94.0 93.3 94.1 93.3 94.5 93.4 94.5 93.3 93.4 93.4 93.3 93.3 93.7 93.7 93.4 93.4 94.0 94.0 93.6 93.6 93.0 93.6 92.4 93.0 94.0 93.6 93.6 93.0							
Power Factor	0.48 0.48 0.74 0.73 0.82 0.83 0.86 0.87 0.44 0.41 0.70 0.67 0.82 0.79 0.86 0.85 0.54 0.51 0.79 0.77 0.85 0.84 0.87 0.87 0.48 0.74 0.82 0.86							
Foundation loads	Max. traction : 1594 lb Max. compression : 2630 lb							
Losses at normative operating points (speed;torque), in percentage of rated output power								
Losses (%)	P1 (0,9;1,0)	5.6	5.6	5.6	5.6	5.6	5.6	5.6
	P2 (0,5;1,0)	4.6	4.6	4.6	4.6	4.6	4.6	4.6
	P3 (0,25;1,0)	4.3	4.3	4.3	4.3	4.3	4.3	4.3
	P4 (0,9;0,5)	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	P5 (0,5;0,5)	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	P6 (0,5;0,25)	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	P7 (0,25;0,25)	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Bearing type	: 6314 C3	Drive end	6314 C3	Non drive end				
Sealing	: Lip Seal		Lip Seal					
Lubrication interval	: 17000 h		17000 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.			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	30/03/2024			1 / 1				