

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Close Coupled Pump JP
NEMA Premium Efficiency Three-Phase
Product code : 11901338
Catalog # : 06036ET3E364JP-W22

Frame	: 364/5JP			Cooling method	: IC411 - TEFC		
Insulation class	: F			Mounting	: F-1		
Duty cycle	: Cont.(S1)			Rotation ¹	: Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C			Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.			Approx. weight ³	: 882 lb		
Protection degree	: IP55			Moment of inertia (J)	: 10.6 sq.ft.lb		
Design	: B						
Output [HP]	60	50	50	50	60	60	60
Poles	2	2	2	2	2	2	2
Frequency [Hz]	60	50	50	50	50	50	50
Rated voltage [V]	208-230/460	380	400	415	380	400	415
Rated current [A]	148-134/67.0	65.9	63.3	61.7	81.3	77.6	74.8
L. R. Amperes [A]	978-884/442	415	443	457	423	450	464
LRC [A]	6.6x(Code G)	6.3x(Code F)	7.0x(Code G)	7.4x(Code H)	5.2x(Code E)	5.8x(Code F)	6.2x(Code F)
No load current [A]	25.9-30.0/15.0	15.0	16.2	17.4	15.0	16.2	17.4
Rated speed [RPM]	3560	2955	2960	2965	2945	2950	2955
Slip [%]	1.11	1.50	1.33	1.17	1.83	1.67	1.50
Rated torque [ft.lb]	87.3	87.7	87.5	87.4	106	105	105
Locked rotor torque [%]	200	190	220	229	160	180	190
Breakdown torque [%]	260	250	280	300	210	229	250
Service factor	1.25	1.00	1.00	1.00	1.00	1.00	1.00
Temperature rise	80 K	80 K	80 K	80 K	105 K	105 K	105 K
Locked rotor time	25s (cold) 14s (hot)	21s (cold) 12s (hot)	21s (cold) 12s (hot)	21s (cold) 12s (hot)	21s (cold) 12s (hot)	21s (cold) 12s (hot)	21s (cold) 12s (hot)
Noise level ²	79.0 dB(A)	74.0 dB(A)	74.0 dB(A)	74.0 dB(A)	74.0 dB(A)	74.0 dB(A)	74.0 dB(A)
Efficiency (%)	25%						
	50%	91.7	92.1	91.7	91.6	92.4	92.4
	75%	93.0	92.8	92.8	92.9	93.0	93.0
	100%	93.6	93.7	93.7	93.7	92.4	93.0
Power Factor	25%						
	50%	0.81	0.81	0.79	0.76	0.85	0.83
	75%	0.88	0.88	0.87	0.85	0.90	0.89
	100%	0.90	0.91	0.90	0.89	0.91	0.90

Bearing type	Drive end	Non drive end	Foundation loads
	6314 C3	6314 C3	
	Lip Seal	Lip Seal	
	4000 h	4000 h	
	27 g	27 g	
Lubricant type			Mobil Polyrex EM
			Max. traction : 471 lb
			Max. compression : 1353 lb

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				
Date	22/01/2018			
			Page	Revision
			1 / 1	