

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line	: W22 Close Coupled Pump JP NEMA Premium Efficiency Three-Phase	Product code :	11758954				
		Catalog # :	07518ET3E365JP-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 ²	: 963 lb				
Protection degree	: IP55	Moment of inertia (J)	: 23.3 sq.ft.lb				
Design	: B						
Output [HP]	75	60	60	60	75	75	75
Poles	4	4	4	4	4	4	4
Frequency [Hz]	60	50	50	50	50	50	50
Rated voltage [V]	208-230/460	380	400	415	380	400	415
Rated current [A]	186-168/84.1	86.4	82.9	80.7	103	97.0	94.2
L. R. Amperes [A]	190-1076/538	605	622	646	525	543	575
LRC [A]	6.4x(Code G)	7.0x(Code H)	7.5x(Code J)	8.0x(Code J)	5.1x(Code E)	5.6x(Code F)	6.1x(Code F)
No load current [A]	51.7-60.0/30.0	29.5	31.5	33.4	29.5	31.5	33.4
Rated speed [RPM]	1775	1475	1480	1480	1465	1470	1475
Slip [%]	1.39	1.67	1.33	1.33	2.33	2.00	1.67
Rated torque [ft.lb]	219	211	210	210	265	264	263
Locked rotor torque [%]	240	240	270	300	190	210	229
Breakdown torque [%]	260	250	280	310	200	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)	18s (cold) 10s (hot)	18s (cold) 10s (hot)	18s (cold) 10s (hot)	18s (cold) 10s (hot)	18s (cold) 10s (hot)	18s (cold) 10s (hot)
Noise level ²	67.0 dB(A)	63.0 dB(A)	63.0 dB(A)	63.0 dB(A)	63.0 dB(A)	63.0 dB(A)	63.0 dB(A)
Efficiency (%)	25%						
	50%	94.5	93.7	93.6	93.5	94.5	94.1
	75%	95.0	94.2	94.2	94.2	94.1	94.5
	100%	95.4	94.2	94.4	94.6	93.6	94.5
Power Factor	25%						
	50%	0.73	0.65	0.64	0.62	0.78	0.73
	75%	0.82	0.78	0.77	0.76	0.85	0.82
	100%	0.86	0.84	0.83	0.82	0.87	0.86
Bearing type	: 6314 C3	6314 C3	Foundation loads				
Sealing	: Lip Seal	Lip Seal	Max. traction	: 1804 lb			
Lubrication interval	: 12000 h	12000 h	Max. compression	: 2766 lb			
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	22/01/2018				1 / 1		