

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: W22 High Efficiency Three-Phase	Product code :	13506088	
		Catalog # :	07515EP3OFP365TS-W22	
Frame	: 364/5TS	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	: 938 lb	
Protection degree	: IP55	Moment of inertia (J)		
Design	: B			
Output [HP]	75		75	
Poles	4		4	
Frequency [Hz]	50		50	
Rated voltage [V]	380		415	
Rated current [A]	103		95.3	
L. R. Amperes [A]	608		658	
LRC [A]	5.9x(Code F)		6.9x(Code H)	
No load current [A]	31.0		34.7	
Rated speed [RPM]	1465		1475	
Slip [%]	2.33		1.67	
Rated torque [ft.lb]	265		263	
Locked rotor torque [%]	185		229	
Breakdown torque [%]	229		270	
Service factor	1.15		1.15	
Temperature rise	80 K		80 K	
Locked rotor time	16s (cold) 9s (hot)		21s (cold) 12s (hot)	
Noise level ²	66.0 dB(A)		66.0 dB(A)	
Efficiency (%)	25%	93.7	93.6	
	50%	94.0	94.1	
	75%	94.0	94.1	
	100%	94.1	94.5	
Power Factor	25%	0.54	0.48	
	50%	0.79	0.73	
	75%	0.85	0.82	
	100%	0.86	0.85	
Bearing type	: <u>Drive end</u> 6314 C3 <u>Non drive end</u> 6314 C3	Foundation loads		
Sealing	: WSeal WSeal	Max. traction	: 1966 lb	
Lubrication interval	: 14000 h 14000 h	Max. compression	: 2904 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	18/01/2018		1 / 1	