

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: W22 High Efficiency Three-Phase	Product code :	12314910
		Catalog # :	20015EP3OFP447TS-W22
Frame	: 445/7TS	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	: 1920 lb
Protection degree	: IP55	Moment of inertia (J)	
Design	: B		
Output [HP]	200	200	200
Poles	4	4	4
Frequency [Hz]	50	50	50
Rated voltage [V]	380	400	415
Rated current [A]	283	267	264
L. R. Amperes [A]	1670	1736	1822
LRC [A]	5.9x(Code F)	6.5x(Code G)	6.9x(Code H)
No load current [A]	92.8	99.6	105
Rated speed [RPM]	1480	1480	1480
Slip [%]	1.33	1.33	1.33
Rated torque [ft.lb]	700	700	700
Locked rotor torque [%]	190	220	229
Breakdown torque [%]	240	275	290
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	36s (cold) 20s (hot)	34s (cold) 19s (hot)	27s (cold) 15s (hot)
Noise level ²	71.0 dB(A)	71.0 dB(A)	71.0 dB(A)
Efficiency (%)	25%	93.6	94.0
	50%	94.1	94.5
	75%	94.5	94.9
	100%	94.9	95.3
Power Factor	25%	0.49	0.43
	50%	0.74	0.68
	75%	0.82	0.79
	100%	0.85	0.83
Bearing type	: <u>Drive end</u> 6314 C3 <u>Non drive end</u> 6314 C3	Foundation loads	
Sealing	: WSeal WSeal	Max. traction	: 4452 lb
Lubrication interval	: 14000 h 14000 h	Max. compression	: 6373 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
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Date	18/01/2018		Revision
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