

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 High Efficiency Three-Phase

Product code :

12526756

Catalog # :

04030EP3OFP324TS-W22

Frame	: 324/6TS	Locked rotor time	: 45s (cold) 25s (hot)
Output	: 40 HP (30 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 380 V	Altitude	: 1000 m.a.s.l.
Rated current	: 55.7 A	Protection degree	: IP55
L. R. Amperes	: 323 A	Cooling method	: IC411 - TEFC
LRC	: 5.8x(Code F)	Mounting	: F-1
No load current	: 13.9 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 2960 rpm	Noise level ²	: 74.0 dB(A)
Slip	: 1.33 %	Starting method	: Direct On Line
Rated torque	: 71.0 ft.lb	Approx. weight ³	: 525 lb
Locked rotor torque	: 200 %		
Breakdown torque	: 215 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 4.24 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	91.1	91.7	91.6	92.1	92.0 92.5
	0.000	91.7	92.1	92.5		
	0.000					
Power Factor	0.00	0.00	0.83	0.81	0.88	0.87 0.89 0.88
	0.00	0.78	0.85	0.88		
					Max. traction	: 445 lb
					Max. compression	: 970 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6312 C3	6212 C3
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	15000 h	18000 h
Lubricant amount	:	21 g	13 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		Page 1 / 1		
Checked by				
Date	26/03/2024			
			Revision	