

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 High Efficiency Three-Phase

Product code :

12345066

Catalog # :

25030EP3OFP449TS-W22

Frame	: 447/9TS	Locked rotor time	: 45s (cold) 25s (hot)
Output	: 250 HP (185 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	: 325 A	Protection degree	: IP55
L. R. Amperes	: 2340 A	Cooling method	: IC411 - TEFC
LRC	: 7.2x(Code G)	Mounting	: F-1
No load current	: 73.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 2965 rpm	Noise level ²	: 79.0 dB(A)
Slip	: 1.17 %	Starting method	: Direct On Line
Rated torque	: 443 ft.lb	Approx. weight ³	: 2582 lb
Locked rotor torque	: 170 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 38.0 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	94.4	94.8	94.7	95.2	95.0 95.6
	0.000	94.8	95.2	95.6		
	0.000					
Power Factor	0.00	0.00	0.87	0.86	0.90	0.91 0.91
	0.00	0.84	0.89	0.91		
					Max. traction	: 2008 lb
					Max. compression	: 4590 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6314 C3	6314 C3
Sealing	:	WSeal	WSeal
Lubrication interval	:	5000 h	5000 h
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		Page 1 / 1		
Checked by				
Date	26/03/2024			
			Revision	