

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 High Efficiency Three-Phase

Product code :

14281215

Catalog # :

07518OP3EFP365TS-W40

Frame	: 364/5TS	Locked rotor time	: 34s (cold) 19s (hot)
Output	: 75 HP (55 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 171/85.3 A	Protection degree	: IP23
L. R. Amperes	: 1075/537 A	Cooling method	: IC01 - ODP
LRC	: 6.3x(Code G)	Mounting	: F-1
No load current	: 50.0/25.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1775 rpm	Starting method	: Direct On Line
Slip	: 1.39 %	Approx. weight ³	: 778 lb
Rated torque	: 222 ft.lb		
Locked rotor torque	: 180 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 15.2 sq.ft.lb		
Design	: B		

Output	25%		50%		75%		100%		Foundation loads	
Efficiency (%)	93.5	91.6	93.6	92.0	94.1	92.4	94.1	92.7	Max. traction	: 1624 lb
	92.1	92.4	92.4	92.8	93.0	93.0	93.1	93.3		
Power Factor	0.52	0.55	0.75	0.79	0.83	0.86	0.86	0.87	Max. compression	: 2402 lb
	0.51	0.50	0.76	0.73	0.84	0.82	0.86	0.86		

					<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:				6314 C3	6212 Z C3
Sealing	:				Without Bearing Seal	Without Bearing Seal
Lubrication interval	:				20000 h	20000 h
Lubricant amount	:				27 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				
Checked by				
Date	26/03/2024			
			Page	Revision
			1 / 1	