

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP Standard Efficiency Three-Phase Product code : 11988647

Frame	: 286T	Locked rotor time	: 23s (cold) 13s (hot)
Output	: 20 HP (15 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 54.2-49.0/24.5 A	Protection degree	: IP23
L. R. Amperes	: 325-294/147 A	Cooling method	: IC01 - ODP
LRC	: 6.0x(Code G)	Mounting	: F-2
No load current	: 18.1-16.4/8.20 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1110 rpm	Noise level ²	: 58.0 dB(A)
Slip	: 7.50 %	Starting method	: Direct On Line
Rated torque	: 94.6 ft.lb	Approx. weight ³	: 330 lb
Locked rotor torque	: 280 %		
Breakdown torque	: 0 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 6.54 sq.ft.lb		
Design	: D		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	86.4	86.5	87.0	86.5	Max. traction : -164 lb
Power Factor	0.54	0.81	0.87	0.89	Max. compression : 164 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6311 Z C3	6211 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	18 g	11 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	