

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 High Efficiency Three-Phase

Product code : 11733810

Frame	: 324/6T	Locked rotor time	: 64s (cold) 36s (hot)
Output	: 25 HP (18.5 kW)	Temperature rise	: 80 K
Poles	: 8	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	: 41.9 A	Protection degree	: IP55
L. R. Amperes	: 159 A	Cooling method	: IC411 - TEFC
LRC	: 3.8x(Code D)	Mounting	: F-1
No load current	: 18.8 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 725 rpm	Noise level ²	: 56.0 dB(A)
Slip	: 3.33 %	Starting method	: Direct On Line
Rated torque	: 181 ft.lb	Approx. weight ³	: 552 lb
Locked rotor torque	: 160 %		
Breakdown torque	: 160 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 11.9 sq.ft.lb		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	88.5 87.5	90.2 89.5	89.5 89.5	Max. traction	: 1041 lb
Power Factor	0.60 0.53	0.71 0.66	0.75 0.73	Max. compression	: 1593 lb

	Drive end	Non drive end
Bearing type	: 6312 C3	6212 C3
Sealing	: V'Ring	V'Ring
Lubrication interval	: 20000 h	20000 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 Revision		
Checked by				
Date	28/03/2024			