

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 High Efficiency Three-Phase

Product code : 11732586

Frame	: 254/6TC	Locked rotor time	: 39s (cold) 22s (hot)
Output	: 7.5 HP (5.5 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	: 13.7 A	Protection degree	: IP55
L. R. Amperes	: 58.9 A	Cooling method	: IC411 - TEFC
LRC	: 4.3x(Code F)	Mounting	: F-1
No load current	: 7.50 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 715 rpm	Noise level ²	: 51.0 dB(A)
Slip	: 4.67 %	Starting method	: Direct On Line
Rated torque	: 55.1 ft.lb	Approx. weight ³	: 271 lb
Locked rotor torque	: 160 %		
Breakdown torque	: 180 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 3.41 sq.ft.lb		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	80.0 82.5	84.0 85.5	82.5 85.5	Max. traction	: 423 lb
Power Factor	0.54 0.48	0.66 0.62	0.74 0.70	Max. compression	: 693 lb

	Drive end	Non drive end
Bearing type	: 6309 C3	6209 C3
Sealing	: V'Ring	V'Ring
Lubrication interval	: 20000 h	20000 h
Lubricant amount	: 13 g	9 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	29/03/2024			