

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 High Efficiency Three-Phase

Product code : 12603176

Frame : 324/6T
 Output : 20 HP (15 kW)
 Poles : 8
 Frequency : 50 Hz
 Rated voltage : 380 V
 Rated current : 33.0 A
 L. R. Amperes : 125 A
 LRC : 3.8x(Code D)
 No load current : 13.0 A
 Rated speed : 720 rpm
 Slip : 4.00 %
 Rated torque : 146 ft.lb
 Locked rotor torque : 150 %
 Breakdown torque : 150 %
 Insulation class : F
 Service factor : 1.25
 Moment of inertia (J) : 9.79 sq.ft.lb
 Design : B

Locked rotor time : 45s (cold) 25s (hot)
 Temperature rise : 80 K
 Duty cycle : Cont.(S1)
 Ambient temperature : -20°C to +40°C
 Altitude : 1000 m.a.s.l.
 Protection degree : IP55
 Cooling method : IC411 - TEFC
 Mounting : F-1
 Rotation¹ : Both (CW and CCW)
 Noise level² : 56.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 508 lb

Output	50%	75%	100%
Efficiency (%)	86.5 87.5	88.5 89.5	87.5 89.5
Power Factor	0.66 0.55	0.75 0.67	0.79 0.74

Foundation loads
 Max. traction : 754 lb
 Max. compression : 1261 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		
Checked by				
Date	28/03/2024			
		Revision		