

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 14593614

Catalog # : .3318ES3EBMW56-S

Frame : W56
 Output : 0.33 HP (0.25 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 208-230/460 V
 Rated current : 1.46-1.32/0.659 A
 L. R. Amperes : 7.88-7.12/3.56 A
 LRC : 5.4x(Code K)
 No load current : 0.919-1.07/0.533 A
 Rated speed : 1730 rpm
 Slip : 3.89 %
 Rated torque : 1.00 ft.lb
 Locked rotor torque : 229 %
 Breakdown torque : 270 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.0318 sq.ft.lb

Locked rotor time : 37s (cold) 21s (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 : 50.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 24.1 lb

Output	25%		50%		75%		100%	
Efficiency (%)	54.4	57.7	57.5	59.0	64.0	64.0	68.0	65.0
	51.5		54.0		61.0		64.0	
Power Factor	0.27	0.31	0.48	0.56	0.60	0.70	0.70	0.80
	0.27		0.50		0.62		0.73	

Foundation loads
 Max. traction : 16 lb
 Max. compression : 40 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
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 / 2		
Checked by				
Date	29/03/2024			
		Revision		

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Customer :

Brake information

Voltage: 208-230/460//190/380 V
Brake Torque: 2.95 ft.lb

Rev.	Changes Summary		Performed	Checked	Date
Performed by			Page 2 / 2		Revision
Checked by					
Date	29/03/2024				