

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 14593011

Catalog # : .2518ES3EBMW56-S

Frame : W56
 Output : 0.25 HP (0.18 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 208-230/460 V
 Rated current : 1.11-1.01/0.503 A
 L. R. Amperes : 5.88-5.33/2.67 A
 LRC : 5.3x(Code K)
 No load current : 0.716-0.830/0.415 A
 Rated speed : 1735 rpm
 Slip : 3.61 %
 Rated torque : 0.757 ft.lb
 Locked rotor torque : 240 %
 Breakdown torque : 290 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.0280 sq.ft.lb

Locked rotor time : 54s (cold) 30s (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 : 23.2 lb

Output	25%		50%		75%		100%	
Efficiency (%)	51.9	55.0	55.0	57.0	62.0	63.0	66.0	65.0
	49.0		52.0		60.0		64.0	
Power Factor	0.27	0.30	0.48	0.53	0.59	0.66	0.68	0.76
	0.27		0.47		0.59		0.69	

Foundation loads
 Max. traction : 12 lb
 Max. compression : 36 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.

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Customer :

Brake information

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

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