DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Rolled Steel 00021 Single-Phase Split Phase	Product code :	13545645
		Catalog # :	.5018OS1BSPRBOW56-S

Frame	: W56	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 7.24/3.80-3.62 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 47.1/24.7-23.5 A	Mounting	: F-1
LRC	: 6.5x(Code M)	Rotation[1]	: Both (CW and CCW)
No load current	: 5.80/2.50-2.90 A	Starting method	: Direct On Line
Rated speed	: 1715 rpm	Approx. weight[3]	: 27.0 lb
Slip	: 4.72 %		
Rated torque	: 1.51 ft.lb		
Locked rotor torque	: 130 %		
Breakdown torque	: 220 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: N		
Design			

Output	25%	50%	75%	100%
Efficiency (%)	49.3	52.0	60.0	63.5
Power Factor	0.28	0.50	0.60	0.70

Foundation loads	
Max. traction	: 19 lb
Max. compression	: 46 lb

		Drive end	Non drive end
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	Without Bearing Seal	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				
Checked by			Page	Revision
Date	19/01/2018		1 / 1	

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