

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:								
Product line	: Rolled Steel Fan and Exhaust Single-Phase Split Phase		Product code :	14533016					
			Catalog # :	.5018OS1BSPRBW56-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	: 22.7 lb					
Slip	: 4.72 %								
Rated torque	: 1.53 ft.lb								
Locked rotor torque	: 130 %								
Breakdown torque	: 220 %								
Insulation class	: F								
Service factor	: 1.25								
Design	: O								
Output	25%	50%	75%	100%	Foundation loads				
Efficiency (%)	49.3	52.0	60.0	63.5	Max. traction : 21 lb				
Power Factor	0.28	0.50	0.60	0.70	Max. compression : 44 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.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.						
(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.									

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 1 / 1	Revision
Checked by				
Date	27/03/2024			