

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line	: Rolled Steel Single-Phase				Product code :	13189618
					Catalog # :	.3318OT1BW56CFL-S
Frame	: W56C	Locked rotor time	: 30s (cold) 17s (hot)			
Output	: 0.33 HP (0.25 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	: 4.12/2.32-2.06 A	Cooling method	: IC01 - ODP			
L. R. Amperes	: 30.1/16.9-15.0 A	Mounting	: F-1			
LRC	: 7.3x(Code M)	Rotation ¹	: Both (CW and CCW)			
No load current	: 3.10/1.34-1.55 A	Noise level ²	: 50.0 dB(A)			
Rated speed	: 1745 rpm	Starting method	: Direct On Line			
Slip	: 3.06 %	Approx. weight ³	: 19.4 lb			
Rated torque	: 0.993 ft.lb					
Locked rotor torque	: 320 %					
Breakdown torque	: 300 %					
Insulation class	: F					
Service factor	: 1.35					
Moment of inertia (J)	: 0.0439 sq.ft.lb					
Design	: N					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	57.6	61.0	68.0	72.4	Max. traction	: 19 lb
Power Factor	0.30	0.53	0.67	0.73	Max. compression	: 39 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						
Date	25/03/2024				Page	Revision
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