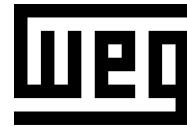


DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line	: Rolled Steel Single-Phase			Product code :	13309029
				Catalog # :	00156ES1B56C-S
Frame	: 56C	Locked rotor time	: 12s (cold) 7s (hot)		
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K		
Poles	: 2	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	: 13.2/7.30-6.60 A	Protection degree	: IP55		
L. R. Amperes	: 106/58.4-52.8 A	Cooling method	: IC411 - TEFC		
LRC	: 8.0x(Code K)	Mounting	: F-1		
No load current	: 4.60/1.98-2.30 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 3500 rpm	Noise level ²	: 68.0 dB(A)		
Slip	: 2.78 %	Starting method	: Direct On Line		
Rated torque	: 2.25 ft.lb	Approx. weight ³	: 33.7 lb		
Locked rotor torque	: 240 %				
Breakdown torque	: 250 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0589 sq.ft.lb				
Design	: L				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	66.0	73.0	75.0	Max. traction	: 38 lb
Power Factor	0.92	0.95	0.97	Max. compression	: 72 lb
		Drive end		Non drive end	
Bearing type	:	6204 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					
Checked by					
Date	26/03/2024			Page	Revision
				1 / 1	