

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :				
Product line : ROLLED STEEL		Product code : 14360309		
		Catalog # : .7536OT1B56C-S		
Frame	: 56C		Locked rotor time	: 32s (cold) 18s (hot)
Output	: 0.75 HP (0.550 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	: 6.80/3.76-3.40 A		Cooling method	: IC01 - ODP
L. R. Amperes	: 58.5/32.3-29.2 A		Mounting	: F-1
LRC	: 8.6x(Code K)		Rotation ¹	: Both (CW and CCW)
No load current	: 2.40/1.03-1.20 A		Noise level ²	: 58.0 dB(A)
Rated speed	: 3510 rpm		Starting method	: Direct On Line
Slip	: 2.50 %		Approx. weight ³	: 11.6 kg
Rated torque	: 0.155 kgfm			
Locked rotor torque	: 300 %			
Breakdown torque	: 300 %			
Insulation class	: F			
Service factor	: 1.25			
Moment of inertia (J)	: 0.0018 kgm ²			
Design	: N			
Output	25%	50%	75%	100%
Efficiency (%)	60.1	64.0	71.0	76.2
Power Factor	0.61	0.88	0.92	0.93
Foundation loads				
Max. traction : 9 kgf				
Max. compression : 20 kgf				
		<u>Drive end</u>	<u>Non drive end</u>	
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
Performed by			Page	Revision
Checked by				
Date	26/03/2023			
			1 / 1	