

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :				
Product line : ROLLED STEEL		Product code : 14277638 Catalog # : .3336OT1BOW56CFL-S		
Frame : W56C	Output : 0.33 HP (0.25 kW)	Poles : 2	Frequency : 60 Hz	Rated voltage : 115/208-230 V
Rated current : 3.20/1.77-1.60 A	L. R. Amperes : 28.2/15.6-14.1 A	LRC : 8.8x(Code L)	No load current : 1.00/0.431-0.500 A	Rated speed : 3510 rpm
Slip : 2.50 %	Rated torque : 0.068 kgfm	Locked rotor torque : 280 %	Breakdown torque : 300 %	Insulation class : F
Service factor : 1.35	Moment of inertia (J) : 0.0011 kgm ²	Design : N	Locked rotor time : 27s (cold) 15s (hot)	Temperature rise : 80 K
			Duty cycle : Cont.(S1)	Ambient temperature : -20°C to +40°C
			Altitude : 1000 m.a.s.l.	Cooling method : IC01 - ODP
			Mounting : F-1	Rotation ¹ : Both (CW and CCW)
			Noise level ² : 56.0 dB(A)	Starting method : Direct On Line
			Approx. weight ³ : 9.4 kg	
Output	25%	50%	75%	100%
Efficiency (%)	51.7	56.0	64.0	70.5
Power Factor	0.70	0.97	0.97	0.97
Foundation loads				
Max. traction : 1 kgf				
Max. compression : 11 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				
Checked by			Page	Revision
Date	02/01/2023		1 / 1	