

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :				
Product line : Rolled Steel 00021 Single-Phase		Product code : 13283678		
		Catalog # : .7518OT1BRBO56-S		
Frame	: 56	Locked rotor time	: 36s (cold) 20s (hot)	
Output	: 0.75 HP (0.550 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	: 6.80/3.76-3.40 A	Cooling method	: IC01 - ODP	
L. R. Amperes	: 54.4/30.1-27.2 A	Mounting	: F-1	
LRC	: 8.0x(Code K)	Rotation <sup>1</sup>	: Both (CW and CCW)	
No load current	: 2.60/1.12-1.30 A	Noise level <sup>2</sup>	: 52.0 dB(A)	
Rated speed	: 1750 rpm	Starting method	: Direct On Line	
Slip	: 2.78 %	Approx. weight <sup>3</sup>	: 15.9 kg	
Rated torque	: 0.311 kgfm			
Locked rotor torque	: 260 %			
Breakdown torque	: 250 %			
Insulation class	: F			
Service factor	: 1.25			
Moment of inertia (J)	: 0.0041 kgm <sup>2</sup>			
Design	: N			
Output	50%	75%	100%	Foundation loads
Efficiency (%)	74.0	79.0	81.8	Max. traction : 17 kgf
Power Factor	0.74	0.82	0.86	Max. compression : 33 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	