

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Motor Single-Phase

Product code : 10857764

Frame	: D56C	Locked rotor time	: 7s (cold) 4s (hot)
Output	: 1 HP (0.75 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	: 14.0/6.80-7.00 A	Protection degree	: IP21
L. R. Amperes	: 78.4/38.1-39.2 A	Cooling method	: IC01 - ODP
LRC	: 5.6x(Code L)	Mounting	: F-1
No load current	: 10.0/4.31-5.00 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1740 rpm	Noise level ²	: 50.0 dB(A)
Slip	: 3.33 %	Starting method	: Direct On Line
Rated torque	: 3.02 ft.lb	Approx. weight ³	: 33.5 lb
Locked rotor torque	: 270 %		
Breakdown torque	: 260 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1338 sq.ft.lb		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	62.6	64.2	70.0	71.4	Max. traction	: 60 lb
Power Factor	0.25	0.44	0.56	0.64	Max. compression	: 93 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6204 ZZ	6203 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		Page 1 / 1		
Checked by				
Date	25/03/2024			
			Revision	