

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Motor Single-Phase Permanent Capacitor Product code : 12498096
Catalog # : 00518IS1DHP56HYZ6F3

Frame	: E56	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S3
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208 V	Altitude	: 1000 m.a.s.l.
Rated current	: 22.5 A	Protection degree	: IP21
L. R. Amperes	: 78.7 A	Cooling method	: IC01 - ODP
LRC	: 3.5x(Code B)	Mounting	: F-3
No load current	: 7.00 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1650 rpm	Starting method	: Direct On Line
Slip	: 8.33 %	Approx. weight ³	: 47.7 lb
Rated torque	: 15.9 ft.lb		
Locked rotor torque	: 20 %		
Breakdown torque	: 110 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.2112 sq.ft.lb		

Output	25%	50%	75%	100%	Foundation loads				
Efficiency (%)	0.000	74.6	60.5	75.5	67.4	72.1	66.7	Max. traction	
	0.000	49.5	59.0	60.5	69.5	64.7	73.6		
	0.000								
	0.000								
Power Factor	0.00	0.00	0.91	0.59	0.92	0.73	0.94	0.83	Max. compression
	0.00	0.00	0.71	0.90	0.82	0.96	0.90	0.98	

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6205 ZZ	6203 ZZ
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	0 h	0 h
Lubricant amount	:	0 g	0 g
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	