

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Compressor Duty Single-Phase

Product code : 11366895
Catalog # : CDS022OM001

Frame	: D56	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 1.75 HP (1.3 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 14.6/7.30 A	Protection degree	: IP21
L. R. Amperes	: 105/52.6 A	Cooling method	: IC01 - ODP
LRC	: 7.2x(Code H)	Mounting	: F-1
No load current	: 4.80/2.40 A	Rotation ¹	: CCW
Rated speed	: 3490 rpm	Starting method	: Direct On Line
Slip	: 3.06 %	Approx. weight ³	: 37.5 lb
Rated torque	: 2.63 ft.lb		
Locked rotor torque	: 220 %		
Breakdown torque	: 240 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0403 sq.ft.lb		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	69.5	76.2	78.5	Max. traction	: 43 lb
Power Factor	0.00	0.93	0.96	0.98	Max. compression	: 80 lb

	Drive end	Non drive end
Bearing type	: 6204 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	26/03/2024			
		Revision		