

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 13256035
Catalog # : 00156AS1RAF143TZ-S

Frame	: 143/5T	Locked rotor time	: 12s (cold) 7s (hot)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 13.1/7.30-6.57 A	Protection degree	: IP55
L. R. Amperes	: 105/58.4-52.6 A	Cooling method	: IC418 - TEAO
LRC	: 8.0x(Code K)	Mounting	: F-1
No load current	: 4.00/0.000-2.00 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3500 rpm	Starting method	: Direct On Line
Slip	: 2.78 %	Approx. weight ³	: 36.3 lb
Rated torque	: 2.25 ft.lb		
Locked rotor torque	: 240 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0593 sq.ft.lb		
Design	: L		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	66.0	73.0	75.0	Max. traction	: 30 lb
Power Factor	0.00	0.92	0.95	0.97	Max. compression	: 67 lb

		Drive end	Non drive end
Bearing type	:	6205 ZZ	6202 ZZ
Sealing	:	V'Ring	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	