DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Fan and Exhaust Single-Phase Split Phase

Product code : 13516750

Catalog # : .2518OS1ASPRBO48Z-S

Frame	: 48Z	Locked rotor time	: 0s (cold) 0s (hot)
Output	: 0.25 HP (0.18 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115 V	Altitude	: 1000 m.a.s.l.
Rated current	: 4.25 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 25.5 A	Mounting	: F-1
LRC	: 6.0x(Code N)	Rotation[1]	: Both (CW and CCW)
No load current	: 4.00 A	Starting method	: Direct On Line
Rated speed	: 1710 rpm	Approx. weight[3]	: 16.0 lb
Slip	: 5.00 %		
Rated torque	: 0.768 ft.lb		
Locked rotor torque	: 150 %		
Breakdown torque	: 220 %		
Insulation class	: F		
Service factor	: 1.35		
Design	: N		

Output	25%	50%	75%	100%
Efficiency (%)	39.3	42.0	51.0	55.0
Power Factor	0.27	0.49	0.59	0.67

Foundation loads

Max. traction : 11 lb

Max. compression : 27 lb

		Drive end	Non drive end
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	Date

Performed by				
Checked by			Page	Revision
Date	29/04/2024		1 / 1	