

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Fan and Exhaust Single-Phase Product code : 15647345  
Catalog # : .3312AS1BPFPC48Z-S

Frame	: 48Z	Locked rotor time	: 0s (cold) 0s (hot)
Output	: 0.33 HP (0.25 kW)	Temperature rise	: 80 K
Poles	: 6	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	: 3.75/1.86-1.88 A	Protection degree	: IP55
L. R. Amperes	: 18.4/9.11-9.21 A	Cooling method	: IC418 - TEAO
LRC	: 4.9x(Code H)	Mounting	: F-1
No load current	: 2.20/0.900-1.10 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 1165 rpm	Starting method	: Direct On Line
Slip	: 2.92 %	Approx. weight <sup>3</sup>	: 27.6 lb
Rated torque	: 1.49 ft.lb		
Locked rotor torque	: 40 %		
Breakdown torque	: 270 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.0617 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	40.7	52.6	61.0	Max. traction	: 31 lb
Power Factor	0.00	0.91	0.94	0.95	Max. compression	: 59 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 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 Revision 1 / 1		
Checked by				
Date	26/03/2024			