

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line	: Rolled Steel Single-Phase				Product code :	13930408
					Catalog # :	00518OS1C184T-S
Frame	: 182/4T	Locked rotor time	: 10s (cold) 6s (hot)			
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K			
Poles	: 4	Duty cycle	: Cont.(S1)			
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C			
Rated voltage	: 208-230 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 21.5-19.7 A	Cooling method	: IC01 - ODP			
L. R. Amperes	: 146-134 A	Mounting	: F-1			
LRC	: 6.8x(Code G)	Rotation <sup>1</sup>	: Both (CW and CCW)			
No load current	: 4.31-5.00 A	Starting method	: Direct On Line			
Rated speed	: 1755 rpm	Approx. weight <sup>3</sup>	: 86.2 lb			
Slip	: 2.50 %					
Rated torque	: 15.0 ft.lb					
Locked rotor torque	: 250 %					
Breakdown torque	: 235 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.4172 sq.ft.lb					
Design	: L					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	72.7	75.2	81.3	84.0	Max. traction	: 181 lb
Power Factor	0.71	0.95	0.97	0.97	Max. compression	: 268 lb
Bearing type	: 6206 ZZ				Drive end	Non drive end
Sealing	: Without Bearing Seal				6205 ZZ	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						
Date	26/03/2024				Page	Revision
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