

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code :

15116506

Catalog # :

00318OS1B184T-S

Frame : 182/4T
Output : 3 HP (2.2 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 115/208-230 V
Rated current : 29.9/15.8-15.0 A
L. R. Amperes : 173/91.6-87.0 A
LRC : 5.8x(Code H)
No load current : 16.1/6.10-8.10 A
Rated speed : 1745 rpm
Slip : 3.06 %
Rated torque : 9.03 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 210 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.2776 sq.ft.lb
Design : L

Locked rotor time : 23s (cold) 13s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Starting method : Direct On Line
Approx. weight³ : 75.0 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	72.4	76.9	77.0
Power Factor	0.00	0.66	0.77	0.83

Foundation loads
Max. traction : 83 lb
Max. compression : 158 lb

	Drive end	Non drive end
Bearing type	6206 ZZ	6205 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		