DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel JP Pump Single-Phase

Product code : 15195979
Catalog # : 00536OS1B184JP-S

Frame	: 182/4JP
Output	: 5 HP (3.7 kW)
Poles	: 2
Frequency	: 60 Hz
Rated voltage	: 115/208-230 V
Rated current	: 39.5/22.0-19.7 A
L. R. Amperes	: 265/147-132 A
LRC	: 6.7x(Code G)
No load current	: 10.4/3.00-5.20 A
Rated speed	: 3500 rpm
Slip	: 2.78 %
Rated torque	: 7.50 ft.lb
Locked rotor torque	: 175 %
Breakdown torque	: 250 %
Insulation class	: F
Service factor	: 1.15
Moment of inertia (J)	: 0.1566 sq.ft.lb
Design	: L

Locked rotor time	: 16s (cold) 9s (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	: 83.8 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	77.2	81.8	84.0
Power Factor	0.00	0.92	0.96	0.97

Foundation loads

Max. traction	: 78 lb
Max. compression	: 161 lb

		Drive end	Non drive end
Bearing type	:	6207 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				
Checked by			Page	Revision
Date	29/03/2024		1 / 1	

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