

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase

Product code :

11587734

Catalog # :

07536OP3EFP364TS

Frame : 364/5TS
Output : 75 HP (55 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 169/84.3 A
L. R. Amperes : 1062/531 A
LRC : 6.3x(Code G)
No load current : 56.0/28.0 A
Rated speed : 3555 rpm
Slip : 1.25 %
Rated torque : 111 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 270 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 6.81 sq.ft.lb
Design : B

Locked rotor time : 27s (cold) 15s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP23
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 80.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 741 lb

Output	25%		50%		75%		100%	
Efficiency (%)	92.3	91.4	92.4	91.0	93.0	91.7	93.0	91.0
	91.4	91.6	91.0	91.7	91.7	91.7	91.0	91.7
Power Factor	0.53	0.60	0.80	0.83	0.86	0.85	0.88	0.86
	0.57	0.53	0.80	0.77	0.84	0.84	0.85	0.85

Foundation loads
Max. traction : 634 lb
Max. compression : 1375 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6314 C3	6314 C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	14418 h	14418 h
Lubricant amount	:	27 g	27 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	