

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase

Product code : 11852252  
Catalog # : 10036OP3HFP365TS

Frame	: 364/5TS	Locked rotor time	: 23s (cold) 13s (hot)
Output	: 100 HP (75 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 92.0 A	Protection degree	: IP23
L. R. Amperes	: 561 A	Cooling method	: IC01 - ODP
LRC	: 6.1x(Code F)	Mounting	: F-1
No load current	: 24.0 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 3560 rpm	Noise level <sup>2</sup>	: 83.0 dB(A)
Slip	: 1.11 %	Starting method	: Direct On Line
Rated torque	: 148 ft.lb	Approx. weight <sup>3</sup>	: 779 lb
Locked rotor torque	: 190 %		
Breakdown torque	: 270 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 7.88 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	92.9	93.0	93.0	93.0	Max. traction	: 975 lb
Power Factor	0.58	0.82	0.86	0.88	Max. compression	: 1754 lb

		Drive end	Non drive end
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	30/03/2024			
			Revision	