

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 16065116

Catalog # : 10036OT3G365TS-RFVFD

Frame : 364/5TS  
Output : 100 HP (75 kW)  
Poles : 2  
Frequency : 50 Hz  
Rated voltage : 380 V  
Rated current : 142 A  
L. R. Amperes : 1136 A  
LRC : 8.0x(Code J)  
No load current : 48.0 A  
Rated speed : 2965 rpm  
Slip : 1.17 %  
Rated torque : 177 ft.lb  
Locked rotor torque : 310 %  
Breakdown torque : 340 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 9.20 sq.ft.lb  
Design : A

Locked rotor time : 25s (cold) 14s (hot)  
Temperature rise : 105 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  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 84.0 dB(A)  
Starting method : VFD  
Approx. weight<sup>3</sup> : 827 lb

Output	25%	50%	75%	100%			
Efficiency (%)	0.000	92.8	92.2	93.0	93.6	93.0	93.6
Power Factor	0.00	0.00	0.74	0.67	0.83	0.78	0.86

Foundation loads  
Max. traction : 1754 lb  
Max. compression : 2581 lb

	Drive end	Non drive end
Bearing type	6314 C4	6212 Z C4
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	1200 h	1200 h
Lubricant amount	10 g	10 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.

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Customer :

Space heater information

Voltage: 110-127/200-240 V

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