

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 16083044

Catalog # : 10036OT3G365TS-RFW40

Frame : 364/5TS
Output : 100 HP (75 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 460 V
Rated current : 116 A
L. R. Amperes : 766 A
LRC : 6.6x(Code G)
No load current : 29.5 A
Rated speed : 3555 rpm
Slip : 1.25 %
Rated torque : 148 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 229 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 7.20 sq.ft.lb
Design : B

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.
Protection degree : IP23
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 84.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 774 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	92.4	93.6	93.6
Power Factor	0.00	0.77	0.84	0.87

Foundation loads

Max. traction : 777 lb
Max. compression : 1551 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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 2 Revision		
Checked by				
Date	26/03/2024			

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Customer :

Space heater information

Voltage: 110-127/200-240 V

Rev.	Changes Summary		Performed	Checked	Date
Performed by			Page		Revision
Checked by					
Date	26/03/2024				