

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 16065408

Catalog # : 12536OT3G404TS-RFVFD

Frame : 404/5TS
Output : 125 HP
Poles : 2
Frequency : 50 Hz
Rated voltage : 380 V
Rated current : 163 A
L. R. Amperes : 1271 A
LRC : 7.8x(Code H)
No load current : 42.0 A
Rated speed : 2962 rpm
Slip : 1.27 %
Rated torque : 222 ft.lb
Locked rotor torque : 350 %
Breakdown torque : 350 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 12.0 sq.ft.lb
Design : A

Locked rotor time : 16s (cold) 9s (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
Rotation¹ : Both (CW and CCW)
Noise level² : 84.0 dB(A)
Starting method : VFD
Approx. weight³ : 1010 lb

Output	25%	50%	75%	100%	
Efficiency (%)	0.000	93.6	93.6	94.1	94.1
Power Factor	0.00	0.81	0.76	0.86	0.84

Foundation loads
Max. traction : 1424 lb
Max. compression : 2434 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			

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				