

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase Product code : 14272540
Catalog # : 15018OT3GRB444T-W40

Frame	: 444/5T	Locked rotor time	: 39s (cold) 22s (hot)
Output	: 150 HP (110 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 170 A	Protection degree	: IP23
L. R. Amperes	: 1105 A	Cooling method	: IC01 - ODP
LRC	: 6.5x(Code G)	Mounting	: F-1
No load current	: 58.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1784 rpm	Noise level ²	: 78.0 dB(A)
Slip	: 0.89 %	Starting method	: Direct On Line
Rated torque	: 442 ft.lb	Approx. weight ³	: 1348 lb
Locked rotor torque	: 200 %		
Breakdown torque	: 240 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 42.1 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	95.3	95.4	95.8	95.8	Max. traction	: 2743 lb
Power Factor	0.49	0.74	0.82	0.85	Max. compression	: 4091 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	NU-319 C3	6314 C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	18825 h	20000 h
Lubricant amount	:	45 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 Revision		
Checked by				
Date	12/03/2025			

MADE IN BRAZIL
14272540



NEMA
Premium
W40

60Hz: For use on PWM: VT 1000:1, CT 2:1,
1.00SF



Mod.T01#FOXON
CC029A

MODEL 150180T3GRB444T-W40

Inverter Duty Motor

PH3 60Hz Fr. 444/5T 1000m.a.s.l. IP23 ODP 1348lb

V 460

A 170

HP 150

kW 110

SF 1.25

SFA 213

RPM 1784

PF 0.85

AMB 40°C

INS cl. F DT80K

NEMA NOM EFF 95.8%

DUTY CONT.

DES B Code G

125HP 90kW 50Hz 380V 169A 1485RPM SF 1.25 SFA 211 EFF 95.3% (IE3)

PART-WINDING

START



RUN



WYE-DELTA

START



RUN



→ NU-319-C3 (45g)

→ 6314-C3 (27g)



MOBIL POLYREX EM (18825h)

