

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase Product code : 14367175
Catalog # : 02518OT3E284T-W40

Frame	: 284T	Locked rotor time	: 46s (cold) 26s (hot)
Output	: 25 HP (18.5 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 59.1/29.5 A	Protection degree	: IP23
L. R. Amperes	: 372/186 A	Cooling method	: IC01 - ODP
LRC	: 6.3x(Code G)	Mounting	: F-1
No load current	: 22.0/11.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1770 rpm	Noise level ²	: 64.0 dB(A)
Slip	: 1.67 %	Vibration	: A
Rated torque	: 74 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 220 %	Approx. weight ³	: 370 lb
Breakdown torque	: 270 %	Painting plan	: 203A (ISO 12944 - C3)
Insulation class	: F	Color	: RAL 5009
Service factor	: 1.25	Design	: B
Moment of inertia (J)	: 3.71 sq.ft.lb		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	93.0	93.6	93.6	Max. traction	: 0 lb
Power Factor	0.69	0.80	0.84	Max. compression	: 0 lb

	Drive end	Non drive end
Bearing type	: 6311 Z C3	6211 Z C3
Sealing	: Without Bearing Seal	Without Bearing Seal
Lubrication interval	: 20000 h	20000 h
Lubricant amount	: 18 g	11 g
Lubricant type	Mobil Polyrex EM	

Notes
USABLE @208V 65.2A SF 1.15 SFA 75.0A

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				
Checked by				
Date	25/09/2026			

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Revision

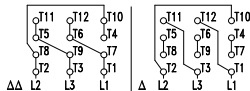


MODEL 025180T3E284T-W40

Inverter Duty Motor
IEC 60034-160Hz: For use on PWM: VT 1000:1, CT 3:1,
1.00SFMod.T01#FOXON
CC029A

PH3 Fr. 284T DUTY CONT. (S1) ODP(IC01) IP23 DES B(N) Code G
 336lb 1000m.a.s.l. INS cl. F DT 80K AMB 40°C SF 1.25//1.00

V		Hz	kW	HP	RPM	A		SFA		PF	IE code	NEMA NOM EFF η 100%/75%/50%
230 $\Delta\Delta$	460 Δ	60	18.5	25	1770	59.1	29.5	73.9	36.9	0.84	IE3	93.6/93.6/93.0
380 Δ	—	50	15	20	1470	29.5	—	29.5	—	0.84	IE3	92.1/92.1/91.7
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6311-Z-C3 (18g)

6211-Z-C3 (11g)



MOBIL POLYREX EM (20000h)

