

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase Product code : 14496989
Catalog # : 04036OT3E286TSC-W40

Frame	: 284/6TSC	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 40 HP (30 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 94.8/47.4 A	Protection degree	: IP23
L. R. Amperes	: 616/308 A	Cooling method	: IC01 - ODP
LRC	: 6.5x(Code G)	Mounting	: F-1
No load current	: 30.0/15.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3540 rpm	Noise level ²	: 73.0 dB(A)
Slip	: 1.67 %	Starting method	: Direct On Line
Rated torque	: 59.3 ft.lb	Approx. weight ³	: 337 lb
Locked rotor torque	: 200 %		
Breakdown torque	: 220 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 2.02 sq.ft.lb		
Design	: B		

Output	50%	75%	100%	Foundation loads
Efficiency (%)	91.7	92.4	92.4	Max. traction
Power Factor	0.75	0.83	0.86	Max. compression

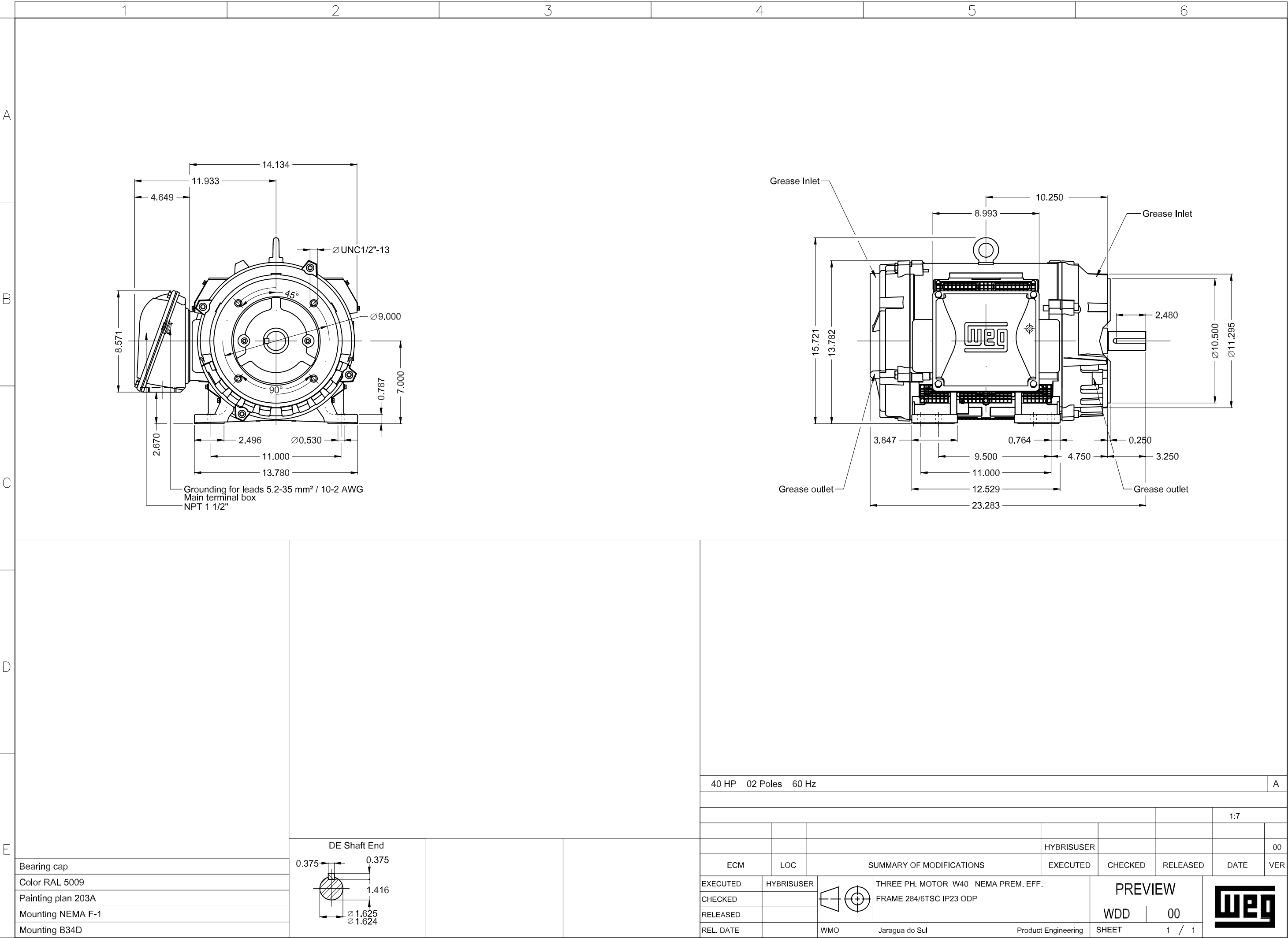
	Drive end	Non drive end
Bearing type	: 6311 Z C3	: 6211 Z C3
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: 20000 h	: 20000 h
Lubricant amount	: 18 g	: 11 g
Lubricant type	: Mobil Polyrex EM	

Notes
USABLE @208V 104A SF 1.15 SFA 119A

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	11/03/2025			




NEMA
Premium
W40

 60Hz: For use on PWM: VT 1000:1, CT 3:1,
 1.00SF

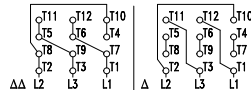
 Mod.T01#FOXON
 CC029A


MODEL 040360T3E286TSC-W40

 Inverter Duty Motor
 IEC 60034-1

 PH3 Fr. 284/6TSC DUTY CONT. ODP(IC01) IP23 DES B(N) Code G
 337lb 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%
230ΔΔ	460Δ	60	30	40	3540	94.8	47.4	119	59.3	0.86	IE3	92.4/92.4/91.7
380Δ	—	50	22	30	2950	41.9	—	41.9	—	0.86	IE3	92.8/91.4/90.0
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6311-Z-C3 (18g)

6211-Z-C3 (11g)



MOBIL POLYREX EM (20000h)

