

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase Product code : 14797786
Catalog # : 00118ET3E56C-S

Frame	: 56C	Locked rotor time	: 34s (cold) 19s (hot)
Output	: 1 HP (0.75 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	: 2.94/1.47 A	Protection degree	: IP55
L. R. Amperes	: 25.3/12.6 A	Cooling method	: IC411 - TEFC
LRC	: 8.6x(Code M)	Mounting	: F-1
No load current	: 1.78/0.890 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1765 rpm	Noise level ²	: 52.0 dB(A)
Slip	: 1.94 %	Vibration	: A
Rated torque	: 2 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 280 %	Approx. weight ³	: 37.9 lb
Breakdown torque	: 300 %		: 207N (ISO 12944 - C2)
Insulation class	: F		: Munsell N 1 - Matte
Service factor	: 1.15	Design	: B
Moment of inertia (J)	: 0.1232 sq.ft.lb		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	82.5 82.2	84.0 83.7	85.5 82.9	Max. traction	: 98 lb
	80.9	83.5	83.7		
Power Factor	0.52 0.62	0.66 0.74	0.75 0.81	Max. compression	: 135 lb
	0.55	0.68	0.77		

Losses at normative operating points (speed;torque), in percentage of rated output power

Losses (%)	P1 (0,9;1,0)	18.6	19.2	18.8
	P2 (0,5;1,0)	16.2	16.8	16.4
	P3 (0,25;1,0)	15.3	15.9	15.6
	P4 (0,9;0,5)	10.8	11.2	10.9
	P5 (0,5;0,5)	7.9	8.2	8.0
	P6 (0,5;0,25)	6.3	6.5	6.4
	P7 (0,25;0,25)	4.8	5.0	4.9

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6204 ZZ	6202 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
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).

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 Revision 1 / 2		
Checked by				
Date	08/09/2026			

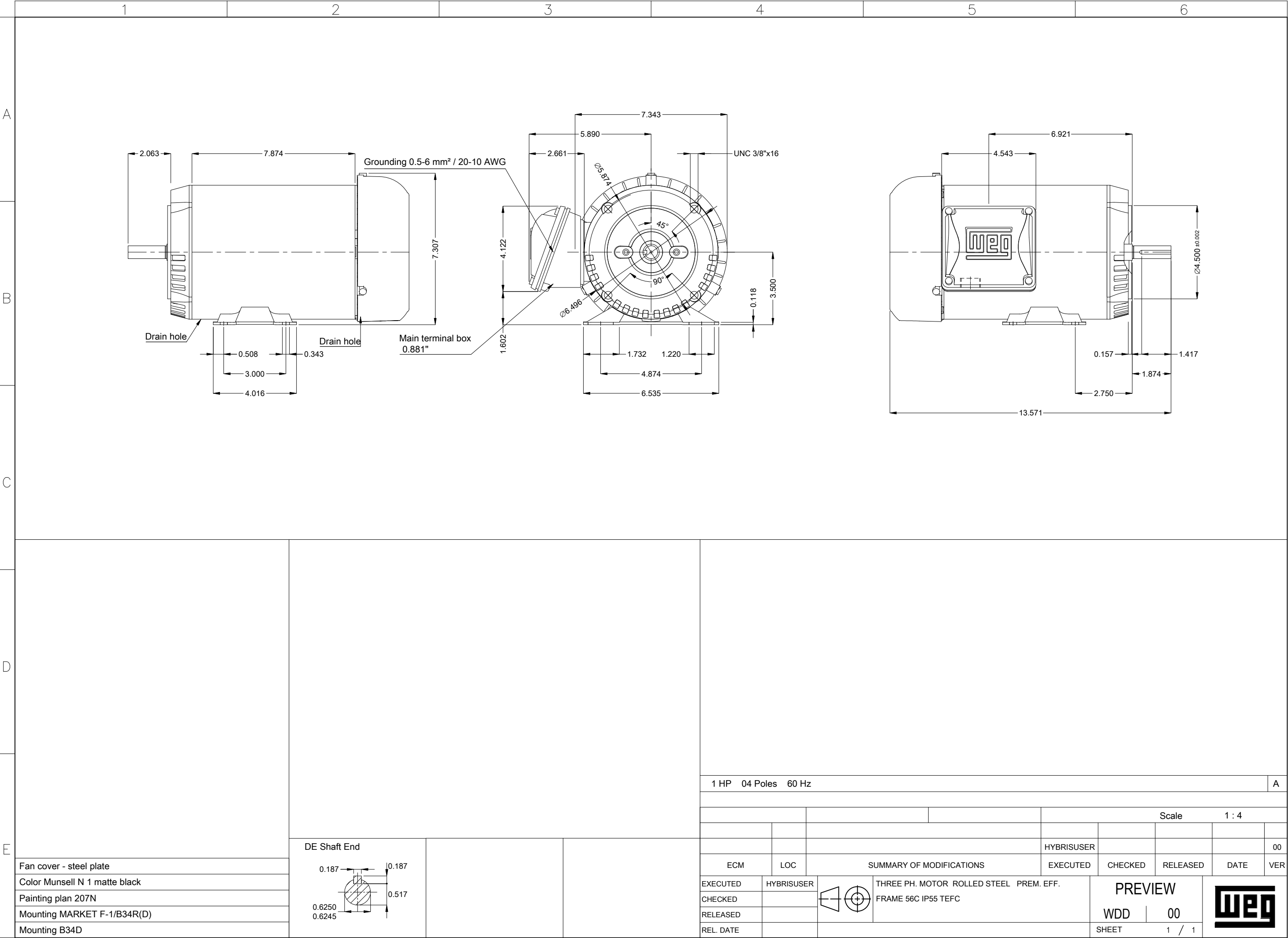
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				2 / 2	





MADE IN MEXICO

NEMA
PREMIUM

MAT: 14797786 CC029A

W01.TE0IC0X0X

MODEL 00118ET3E56C-S

09SEP2026 B/N: 4130501

For 60Hz: Class I, Zone 2, IIC

Class I, Div.2, Gr. A,B,C,D - T3

Div 2 Inverter Duty (SF1.00)

CT 2:1/VT 1000:1

PH 3	Hz 60	HP 1.0
FR 56C		kW 0.75
DUTY CONT.		V 230/460
ALT 1000 m.a.s.l		A 2.94/1.47
INS CL F DT 80K	IP55	SFA 3.38/1.69
AMB 40°C	DES B	SF 1.15
ENCL TEFC	CODE M	PF 0.75
		RPM 1765
		NEMA NOM. EFF 85.5%

ALTERNATE RATING:	1.0HP	50Hz	190-220/380-415V	SF1.00
	3.40-3.06/1.70-1.62A	1450RPM	EFF 82.9% (IE3)	IEC 60034-1

For safe area-inverter duty motor For 60Hz use on VPWM 1000:1 VT, 5:1 CT

DE 6204-ZZ	ODE 6202-ZZ	MOBIL POLYREX EM
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T1-BLU T2-WHT
T3-ORG T4-YEL
T5-BLK T6-GRY
T7-PNK T8-RED
T9-RED BRK

INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.



AVERTISSEMENT: Le moteur doit être mis à la terre

conformément aux codes électriques locaux et nationaux afin d'éviter tout choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine.

