DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Rolled Steel Single-Phase	Product code :	14786558
		Catalog # :	00118ES1B56CFL-S

Frame	: 56C	Locked rotor time	: 14s (cold) 8s (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	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 13.6/7.52-6.80 A	Protection degree	: IP55
L. R. Amperes	: 91.1/50.4-45.6 A	Cooling method	: IC411 - TEFC
LRC	: 6.7x(Code M)	Mounting	: F-1
No load current	: 9.60/4.14-4.80 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1745 rpm	Noise level[2]	: 54.0 dB(A)
Slip	: 3.06 %	Starting method	: Direct On Line
Rated torque	: 3.01 ft.lb	Approx. weight[3]	: 35.7 lb
Locked rotor torque	: 280 %		
Breakdown torque	: 270 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1037 sq.ft.lb		
Design	: L		

Output	25%	50%	75%	100%
Efficiency (%)	59.4	62.0	68.0	71.0
Power Factor	0.27	0.48	0.60	0.68

Foundation loads

Max. traction	: 62 lb
Max. compression	: 97 lb

		Drive end	Non drive end
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).
(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			Page	Revision
Date	12/03/2025		1 / 1	

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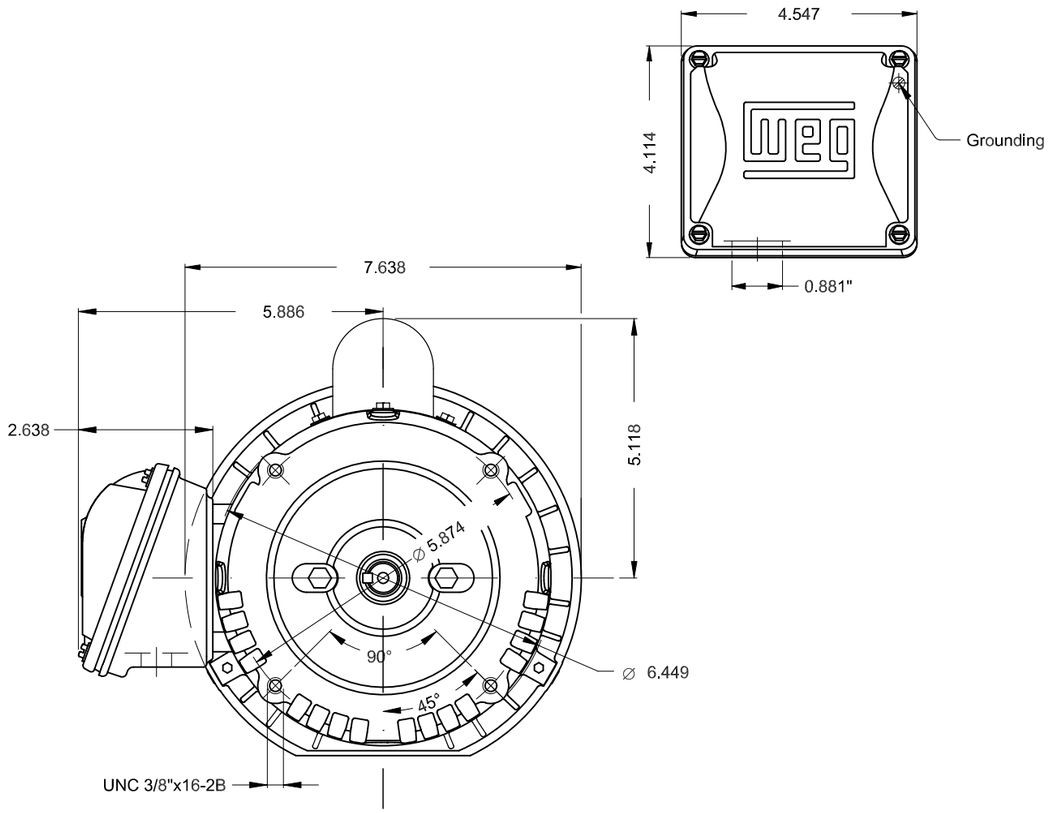

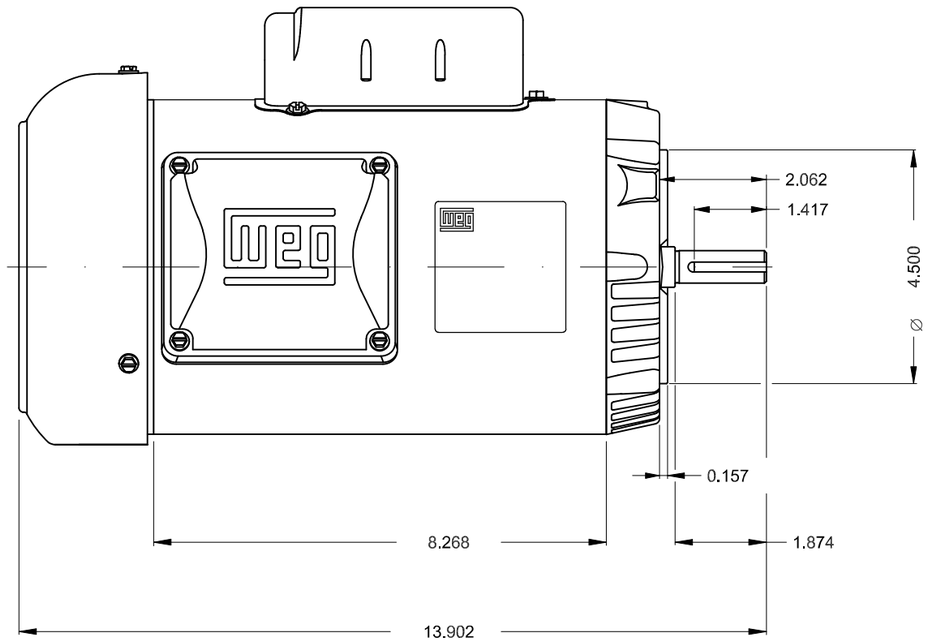

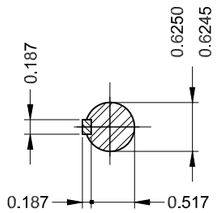

DE Shaft End

Fan cover - steel plate
Color Munsell N 1 matte black
Painting plan 207N
Mounting F-1/B14R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
			HYBRISUSER				00

EXECUTED	HYBRISUSER	SINGLE PH. MOTOR ROLLED STEEL	PREVIEW		
CHECKED		FRAME 56C IP55 TEFC	WDD	00	
RELEASED					
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET	1 / 1	

1 HP 04 Poles 60 Hz

A

Dimensions in inches

XME A3

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W01 ME0IC0X0X

W01

MADE IN BRAZIL (WLI)

14786558
17MAR2025
B/N: 3681802

kW(HP) 0.75(1.00) **MODEL 00118ES1B56CFL-S**

PH1 60Hz Fr. 56C 1000m.a.s.l. IP55 TEFC 38lb DUTY CONT.
AMB 40°C INS cl. F DT80K Code M DES L

V		Hz	RPM	A		SFA		SF	PF	IE code	NEMA NOM EFF
115	230	60	1745	13.6	6.80	-	-	1.15	0.68	-	71.0
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

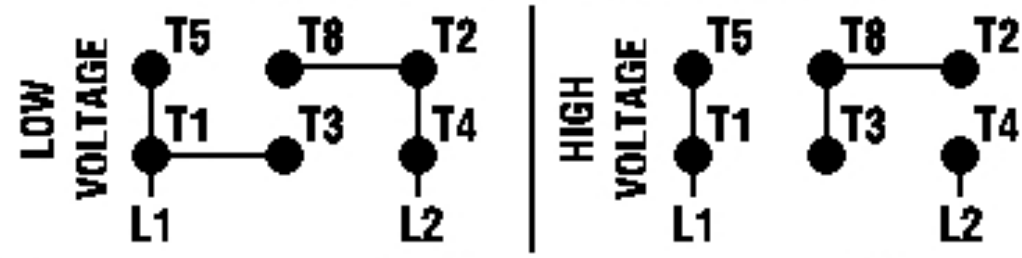
USABLE @208V 7.52A SF 1.00

Electric Motor

MOBIL POLYREX EM

–6204-ZZ
–6202-ZZ

TO REVERSE ROTATION INVERT T5 AND T8



T1 – BLU **T2 – WHT** **T3 – ORG**
T4 – YEL **T5 – BLK** **T8 – RED**

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.