DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : Automation Direct

Product line : Single-Phase Product code : 13638769

Catalog #: .2518ES1BW56C-S

Frame : W56C Locked rotor time : 27s (cold) 15s (hot)

Output : 0.25 HP (0.18 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 : 4.60/2.54-2.30 A Protection degree : IP55

L. R. Amperes : 24.4/13.5-12.2 A Cooling method : IC411 - TEFC

LRC : 5.3x(Code N) Mounting : F-1
No load current : 4.00/1.72-2.00 A Rotation¹ : Both (CW and CCW)

Rated speed : 1735 rpm Noise level² : 52.0 dB(A)
Slip : 3.61 % Starting method : Direct On Line

Rated torque : 0.757 ft.lb Approx. weight³ : 16.9 lb

Locked rotor torque : 310 %

Proceedings to the control of the control o

Breakdown torque : 280 %
Insulation class : F

Design : N

50% 75% Output 100% Foundation loads Efficiency (%) 43.0 52.0 57.0 Max. traction : 12 lb Power Factor : 29 lb 0.43 0.52 0.60 Max. compression

Drive endNon drive endBearing type:6203 ZZ6202 ZZSealing:V'RingWithout Bearing Seal

Lubrication interval : - -

Lubricant amount : - - Mobil Polyrex EM

: 1.15

: 0.0318 sq.ft.lb

Notes

Service factor

Moment of inertia (J)

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.

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LOAD PERFORMANCE CURVE

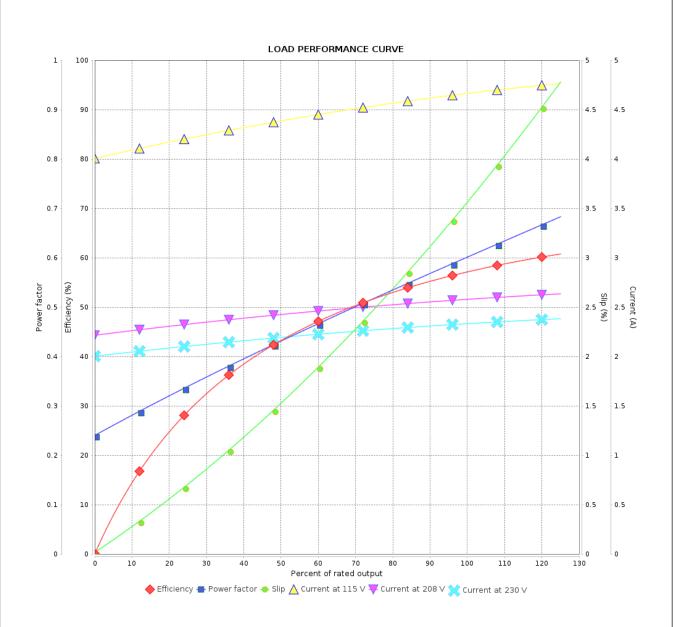
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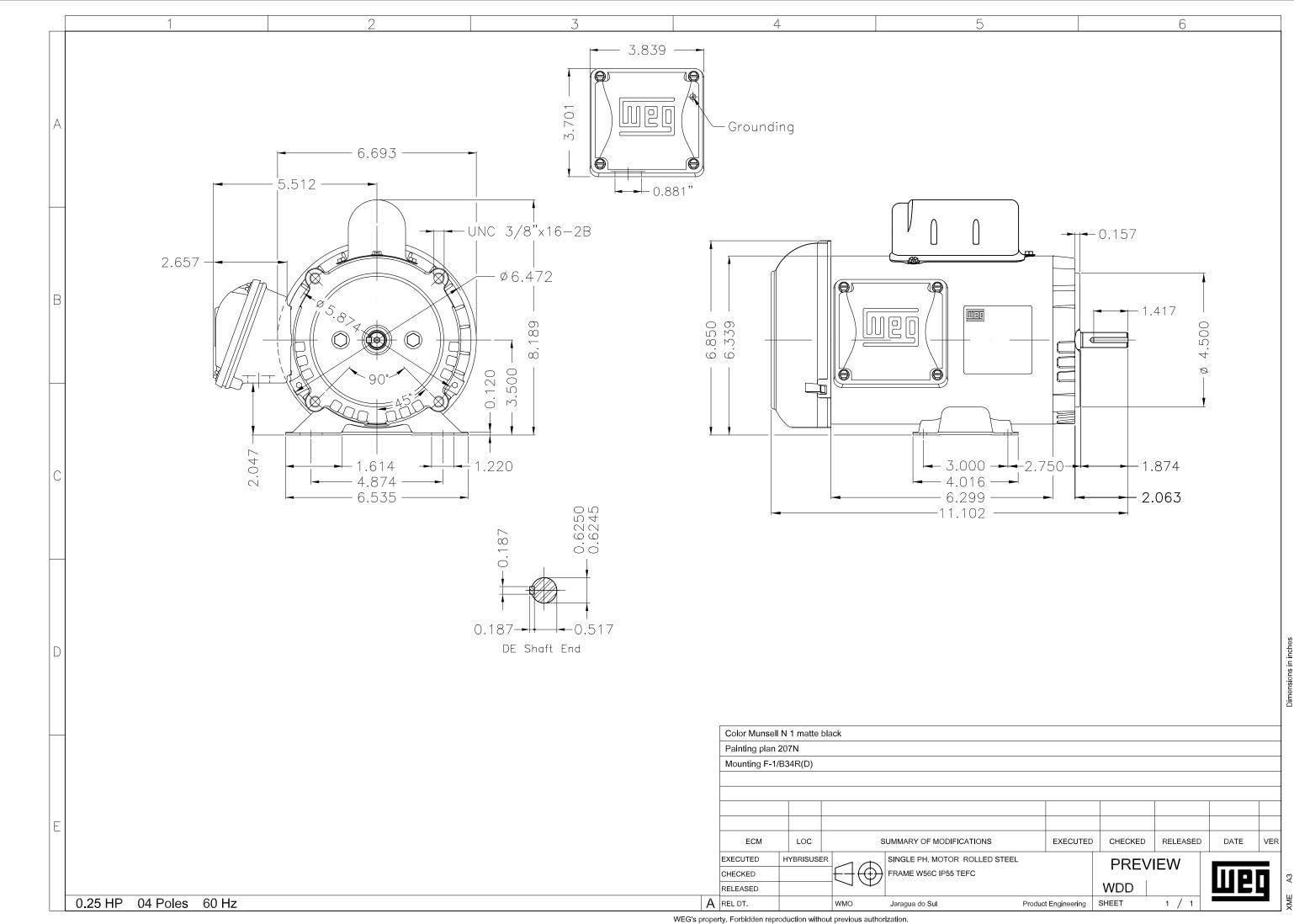


Performance	: 115/208-230 V 60 Hz 4P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 4.60/2.54-2.30 A : 5.3 : 0.757 ft.lb : 310 % : 280 % : 1735 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0318 sq.ft.lb : Cont.(S1) : F : : 80 K : N				
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17/08/2022

Date











IP55

13638769

v

MODEL .2518ES1BW56C-S

W01.ME0IC0X0X

Hz 60 PH₁ 115/208-230

HP 0.25

1.15 SF RPM 1735

AMB 40°C DUTY CONT.

FR W56C

ALT

DES

A kW

INS CL F AT 80K

ş

T1-BLU

1000 m.a.s.l

SEA

CODE

PF

4.60/2.54-2.30 0.18

0.60

EFF.

AVG. F.L.

ENCL TEFC

57.0%

USABLE @ 208V SF1.00

Electric Motor DE

6203-ZZ ODE 6202-ZZ MOBIL POLYREX EM

> 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 nationaux afin d'éviter tout choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine

REVERSE ROTATION INVEST TS AND T8



T2-WHT

T3-ORG T4-YEL



T5-BLK T8-RED

TR