

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 12674776

Catalog # : 01036OT3E213T-S

Frame : 213/5T
Output : 10 HP (7.5 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 24.0/12.0 A
L. R. Amperes : 163/81.6 A
LRC : 6.8x(Code H)
No load current : 9.32/4.66 A
Rated speed : 3535 rpm
Slip : 1.81 %
Rated torque : 14.9 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 280 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.4651 sq.ft.lb
Design : B

Locked rotor time : 19s (cold) 11s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 66.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 116 lb

Output	50%	75%	100%
Efficiency (%)	88.5	89.5	89.5
Power Factor	0.74	0.84	0.88

Foundation loads
Max. traction : 195 lb
Max. compression : 310 lb

	Drive end	Non drive end
Bearing type	6208 ZZ	6206 ZZ
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	Mobil Polyrex EM	

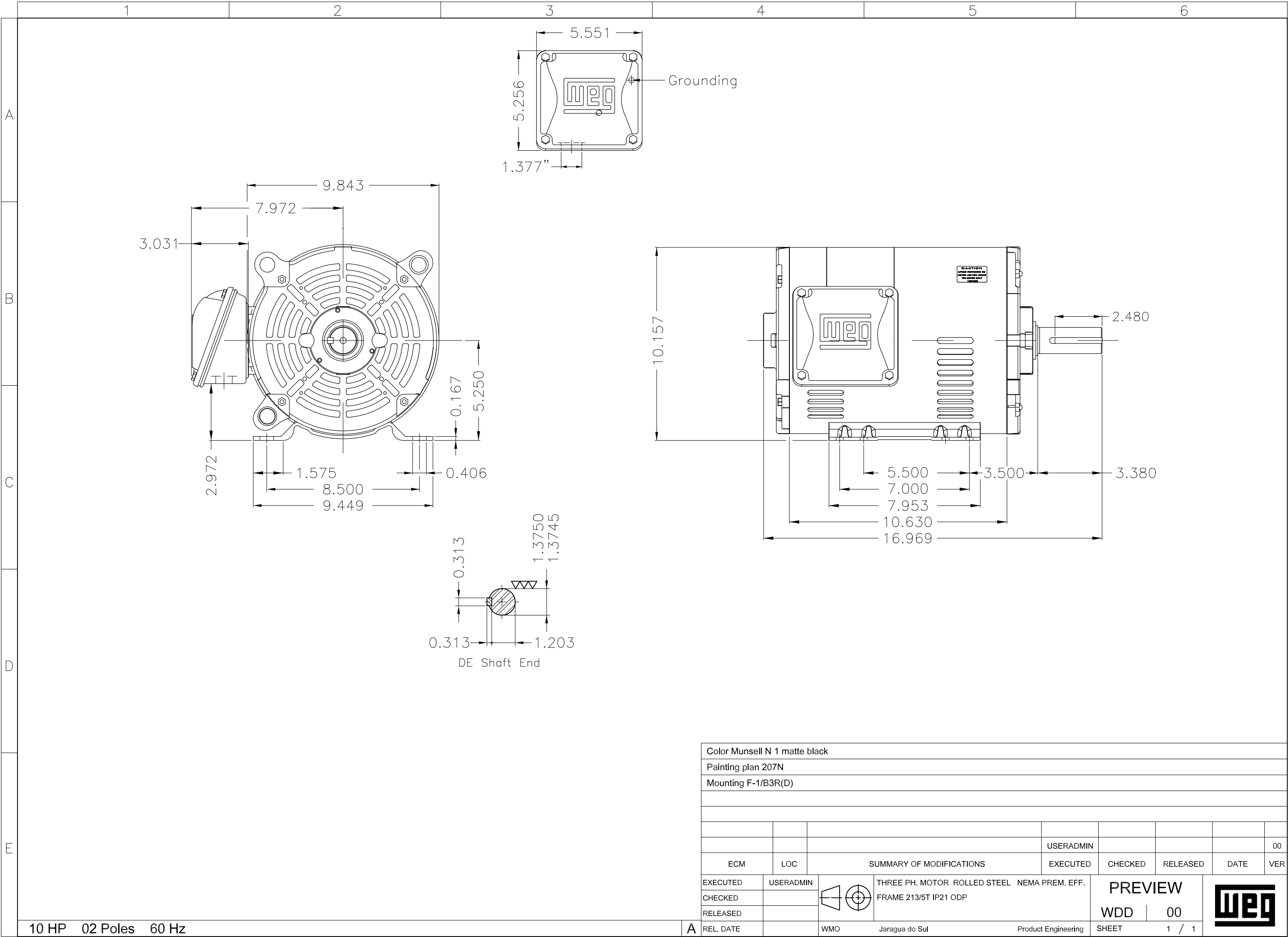
Notes
USABLE @208V 26.5A SF 1.00 SFA 26.5A

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.

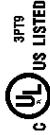
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 1		
Checked by				
Date	13/11/2023			
		Revision		





NEMA
Premium



MADE IN MEXICO

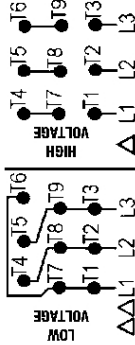
MAT: 12674776 CC029A
W01.T00IC0X0N
MODEL 01036OT3E213T-S
13NOV2023 S/N:

PH 3	Hz 60	HP 10
FR 213/5T		KW 7.5
DUTY CONT.		V 230/460
ALT 1000 m.a.s.l		A 24.0/12.0
INS CL F AT 80K		SFA 27.6/13.8
AMB 40°C	DES B	SF 1.15
ENCL ODP	CODE H	PF 0.88
		RPM 3535
		NEMA NOM. EFF 89.5%

ALTERNATE RATING: 10HP 50Hz 190-220/380-415V SF1.15
29.0-25.1/14.5-13.3A 2910RPM EFF 88.5% (IE1) IEC 60034-1

Inverter duty motor For 80Hz use on VPWM 1000:1 VT, 3:1 CT

DE 6208-ZZ	ODE 6206-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.

