

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:	
Product line	: NEMA Premium Efficiency Three-Phase	Product code :	14284619
		Catalog # :	01018XT3E215TC
Frame	: L215TC	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight ²	: 229 lb
Protection degree	: IP55	Moment of inertia (J)	
Design	: B		
Output [HP]	10		10
Poles	4		4
Frequency [Hz]	50		60
Rated voltage [V]	380		208-230/460
Rated current [A]	15.3		28.1-25.4/12.7
L. R. Amperes [A]	87.2		183-165/82.5
LRC [A]	5.7x(Code G)		6.5x(Code H)
No load current [A]	5.30		9.48-11.0/5.50
Rated speed [RPM]	1450		1765
Slip [%]	3.33		1.94
Rated torque [ft.lb]	36.2		29.8
Locked rotor torque [%]	165		210
Breakdown torque [%]	220		300
Service factor	1.00		1.15
Temperature rise	80 K		80 K
Locked rotor time	36s (cold) 20s (hot)		27s (cold) 15s (hot)
Noise level ²	56.0 dB(A)		58.0 dB(A)
Efficiency (%)	25%	0.000	0.000
	50%	90.2	90.2
	75%	89.5	91.0
	100%	88.5	91.7
Power Factor	25%	0.00	0.00
	50%	0.70	0.62
	75%	0.80	0.75
	100%	0.84	0.81
Bearing type	: <u>Drive end</u> 6308 2RS <u>Non drive end</u> 6207 2RS	Foundation loads	
Sealing	: Oil Seal Lip Seal	Max. traction	: 389 lb
Lubrication interval	: 0 h 0 h	Max. compression	: 618 lb
Lubricant amount	: 0 g 0 g		
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
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Customer : _____

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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TORQUE AND CURRENT VS SPEED CURVE



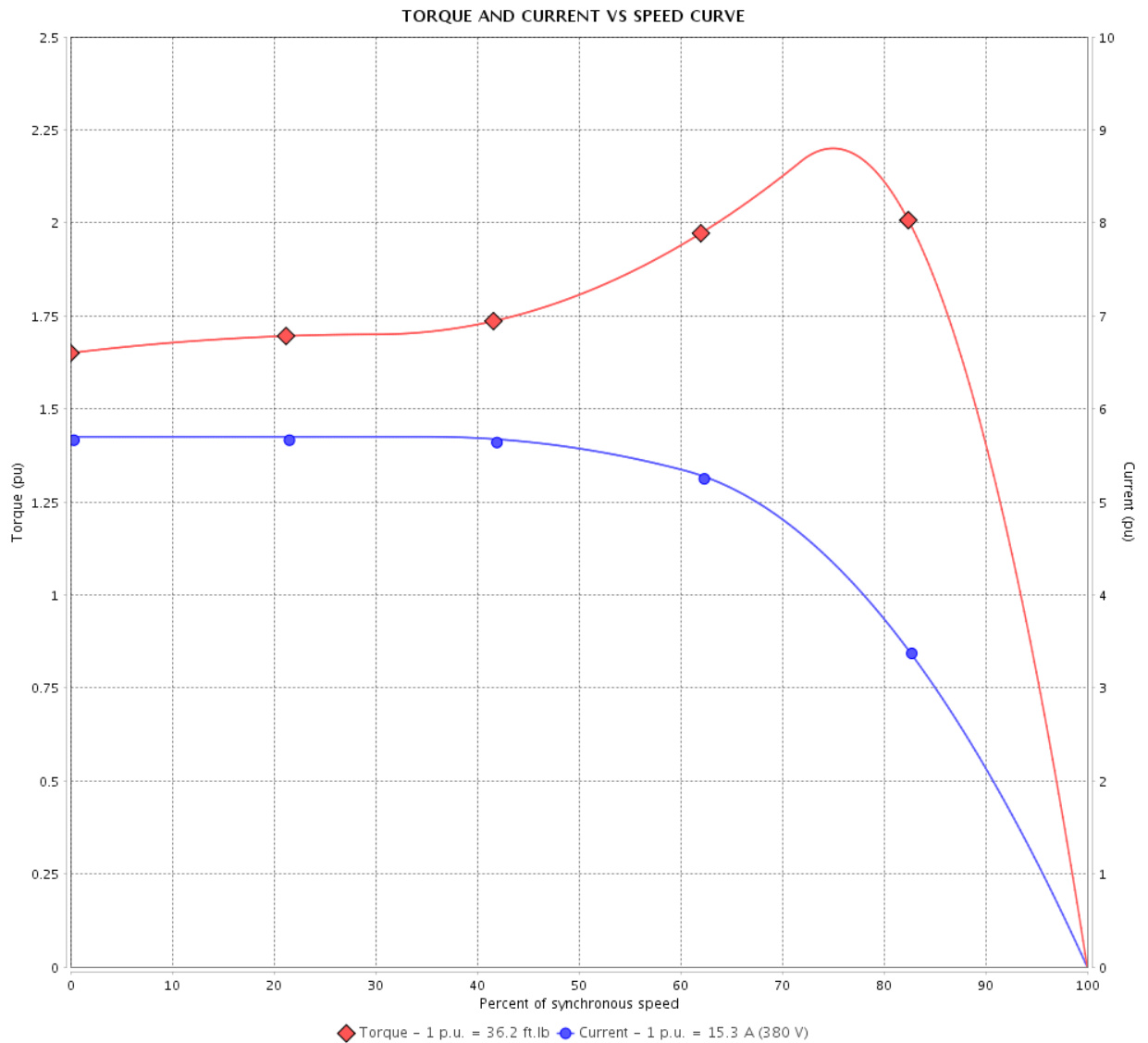
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14284619

Catalog # : 01018XT3E215TC



Performance : 380 V 50 Hz 4P

Rated current : 15.3 A
 LRC : 5.7
 Rated torque : 36.2 ft.lb
 Locked rotor torque : 165 %
 Breakdown torque : 220 %
 Rated speed : 1450 rpm

Moment of inertia (J)
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : B

Locked rotor time : 36s (cold) 20s (hot)

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Performed by			Page 3 /	Revision
Checked by				
Date	12/04/2022			

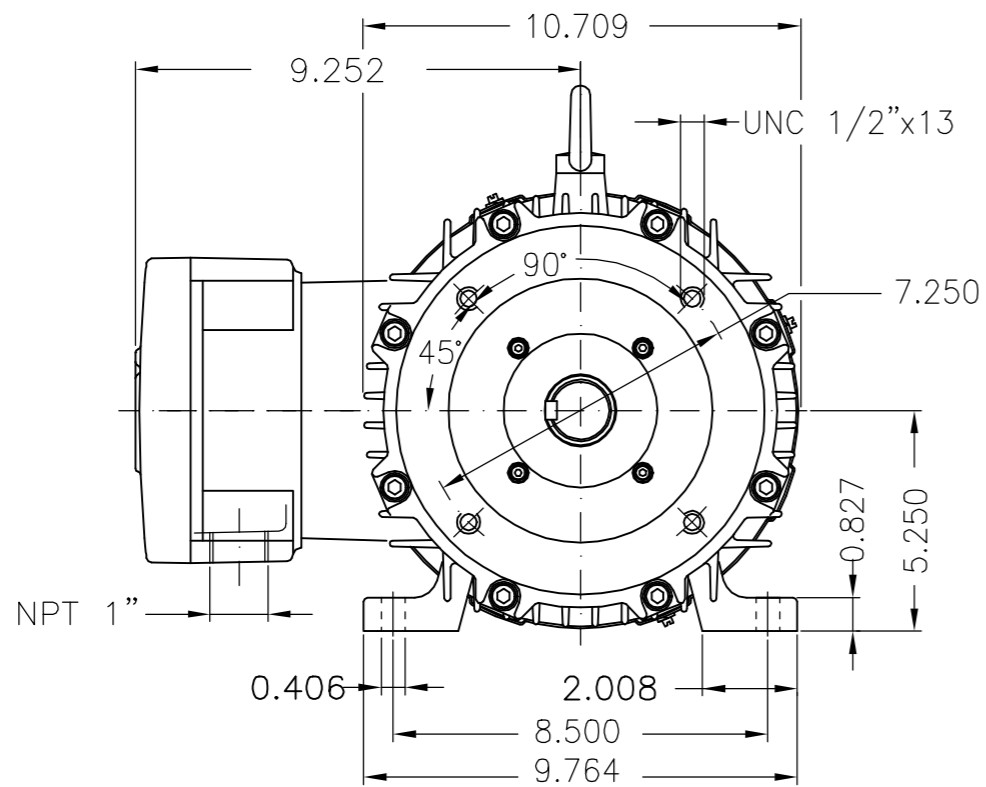
EIXO/SHAFT	
PADRÃO/STANDARD	X
OPCIONAL/OPTIONAL	
ESPECIAL/SPECIAL	

Dimensões em polegada
Dimensions in inches

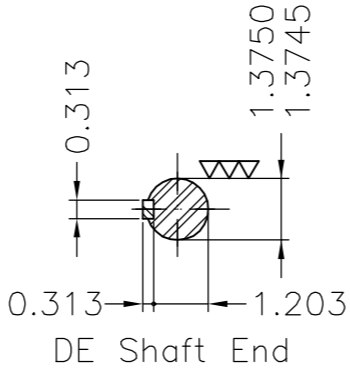
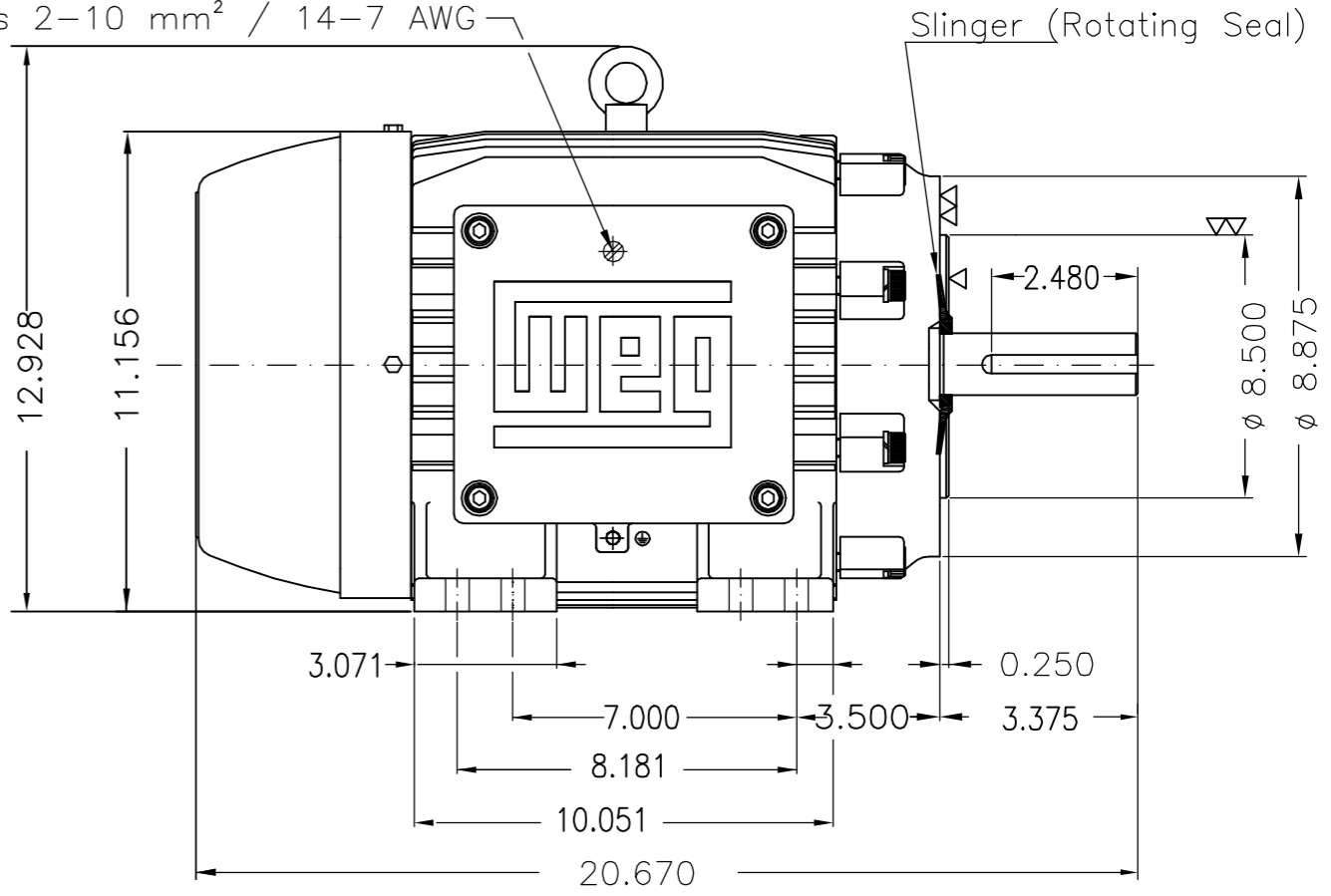
**CERTIFIED
WEG MOTORES**
Certified document.
Not subject to changes.

THIS IS AN UPDATED REVISION, THE
PREVIOUS ONE MUST BE DISREGARDED.

A
B
C
D
E



Grounding for leads 2-10 mm² / 14-7 AWG



Caixa de ligação W21 / W21 terminal box						
Cor RAL 5009 / Color RAL 5009						
Plano de pintura 202P / Painting plan 202P						
Forma construtiva NEMA F-1 / Mounting NEMA F-1						
Forma construtiva B34D / Mounting B34R(D)						
WEG ELECTRIC CORPORATION - WEG						
500001594952		ALTERADO CONF. CLAIM 415204042	RICLAV		20.05.2019	03
500001427824		REMOVED HIDDEN NOTE CODE 485	ERIC	MENSOR	MENSOR	13.03.2018 02
ECM ECM	LOC LOC	RESUMO MODIFICAÇÃO SUMMARY OF MODIFICATIONS	EXECUTADO EXECUTED	VERIFICADO CHECKED	LIBERADO RELEASED	DATA DATE VER VER
EXEC. /EXECUTED	NSCHMIDT	THREE-PHASE EXPLOSION PROOF MOTOR FRAME L215TC IP55 TEFC	10005474706		000 03	
VERIF. /CHECKED						
LIBER. /RELEASED	DANIELAW					
DATA LB /REL DT	18.01.2018	WMO	Jaraguá do Sul	Product Engineering	FOLHA/SHEET	1 / 1

10 HP 04 Poles 60Hz 414924098/1

UNCONTROLLED COPY RELEASED ZME A3



MADE IN BRAZIL


W21X NEMA
Premium

14284619



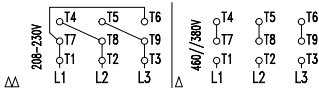
LISTED

CC029A

Inverter Duty Motor
Severe Duty

MODEL 01018XT3E215TC

PH 3	FR L215TC		
HP(kW) 10.0(7.5)		HZ 60	IP55
V 230/460		A 25.4/12.7	
RPM 1765		NEMA NOM EFF 91.7%	
PF 0.81		SFA 29.2/14.6	DES B
INS CL F Δ T 80 K		SF 1.15	ENCL TEFC
DUTY CONT.		CODE H	ALT 1000 m.a.s.l.
AMB 40°C	USABLE @208V	28.1 A	SF 1.15 SFA 32.3
AMB 55°C SF1.0			
10HP 7.5kW 50Hz 380V 15.3A 1450RPM SF1.00 EFF 88.5% (IE1)			


 → 6308-2RS MOBIL POLYREX EM
 → 6207-2RS

236 Lbs


 TEMP CODE T3C
 CSA/UL: Class I - Div. 1 - Groups C and D
 CSA: Class II - Div. 1 - Groups F and G
 CSA: Class I - Zone 1 - IIB

EXPLOSION PROOF MOTOR

FOR USE ON VPWM VFD 1000:1VT, 20:1CT, 1.0SF, T3C, AMB 40°C.