DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W22 Cooling Tower - TEFC - NEMA Premium Efficiency - Derating		
Product code	: 11972215	Catalog #	: 01018ET3ECT215T-W22

Frame	: 213/5T	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: B3L(E)
Duty cycle	: S1	Rotation	: Both
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 1000 m	Approx. weight	: 172 lb
Protection degree	: IP55	Moment of inertia (J)	: 1.51 sq.ft.lb
Design	: B		

Output		10 HP (7.5 kW)	10 HP (7.5 kW)
Poles		4	4
Frequency		60 Hz	60 Hz
Rated voltage		230/460 V	208 V
Rated current		25.3/12.7 A	27.4 A
L. R. Amperes		162/81.1 A	176 A
LRC		6.4 Code H	6.4 Code H
No load current		11.6/5.80 A	10.0 A
Rated speed		1765 rpm	1765 rpm
Slip		1.94 %	1.94 %
Rated torque		29.7 ft.lb	29.7 ft.lb
Locked rotor torque		240 %	240 %
Breakdown torque		295 %	295 %
Service factor		1.25	1.25
Temperature rise		80 K	80 K
Noise level		58 dB(A)	58.0 dB(A)
Locked rotor time		17 s (hot) 31 s (cold)	17 s (hot) 31 s (cold)
Efficiency (%)	50%	91.0	91.0
	75%	91.7	91.7
	100%	91.7	91.7
Power Factor	50%	0.65	0.65
	75%	0.76	0.76
	100%	0.81	0.81
Losses at normative operating points (speed;torque), in percentage of rated output power			
P1 (0,9;1,0)		8.78	8.78
P2 (0,5;1,0)		7.32	7.32
P3 (0,25;1,0)		7.08	7.08
P4 (0,9;0,5)		4.57	4.57
P5 (0,5;0,5)		3.16	3.16
P6 (0,5;0,25)		2.23	2.23
P7 (0,25;0,25)		1.55	1.55

	Drive end	Non drive end
Bearing type	6308-2RS	6207-2RS
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	POLYUREA BASED GREASE	

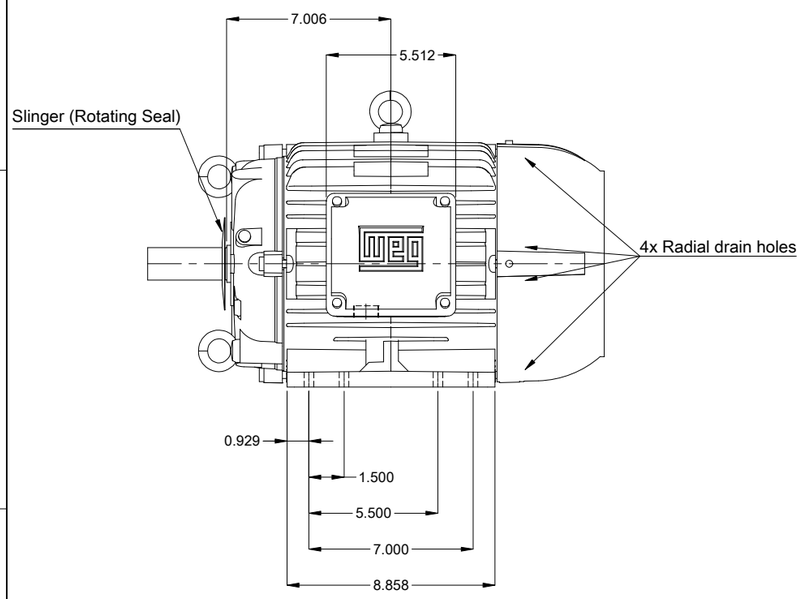
Foundation loads	
Max. traction	: 403 lb
Max. compression	: 575 lb

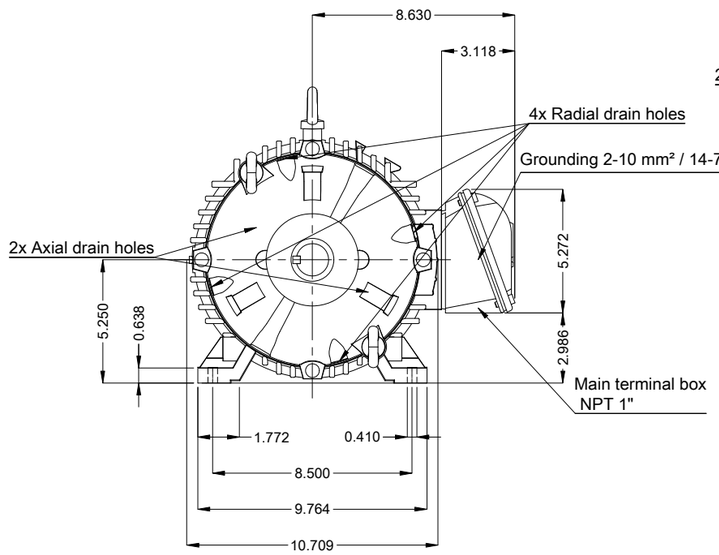
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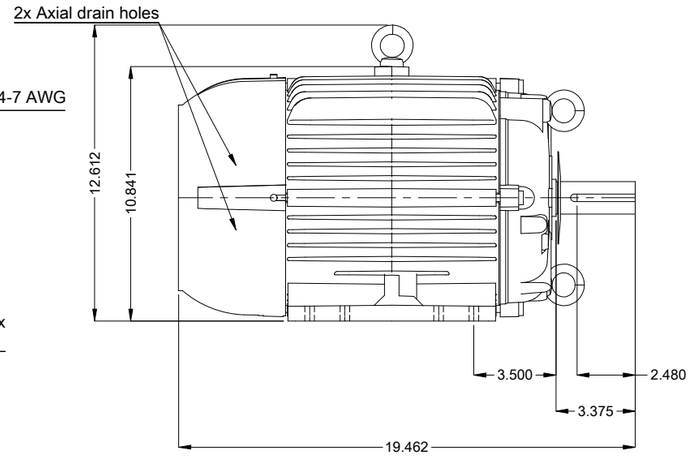
Rev.	Changes Summary	Performed	Checked	Date
				2026/11/18

Performed by				
Checked by			Page	Revision
Date	2026/11/18		1/1	0

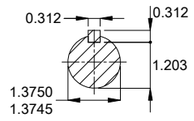
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DE Shaft End



Color RAL 5009
Painting plan 202E
Mounting NEMA F-2
Mounting B3L(E)

10 HP 04 Poles 60 Hz | A

Scale 2 : 13

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR COOLING TOWER W22 NEMA PREM. EFF.
FRAME 213/5T IP55 TEFC

PREVIEW
WDD 00
SHEET 1 / 1

Dimensions in inches

A3

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W22 NEMA PREMIUM

CC029A

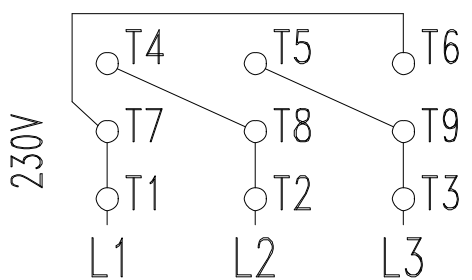
COOLING TOWER

Inverter Duty Motor
Severe Duty

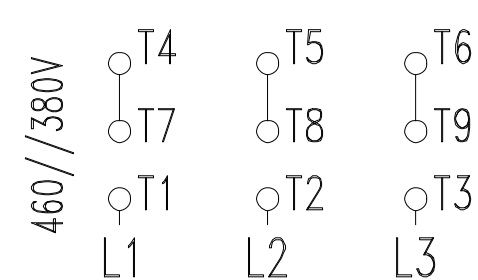
11972215

MADE IN BRAZIL

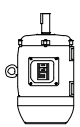
PH 3	FR 213/5T	HP(kW) 10.0(7.5)	Hz 60	SF 1.25	PF 0.81
V 230/460	A 25.3/12.7	RPM 1765	INS. CL. F	△T 80 K	
NEMA NOM EFF 91.7 %	DES B	DUTY CONT.	AMB 40°C		
ENCL TEFC	IP55	SFA 31.6/15.9		ALT 1000 m.a.s.l.	
10HP 7.5kW 50Hz 380V 15.2A 1450RPM SF1.15 EFF 88.5% (IE1)					CODE H



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→ 6308-2RS

→ 6207-2RS

POLYUREA BASED GREASE

176 Lbs

For 60Hz: Class I, Div 2, Gr. A, B, C, D, 1.15SF-T3
Class I, Zone 2, IIC, 1.15SF-T3
Class II, Div 2, Gr. F, G-T4

For use on PWM, Gr. A, B, C, D and F
VT 1000:1, CT 20:1, 1.0SF, T3

C US Energy Verified

c UL us LISTED 3PT9

FOR SAFE AREA
MOD.TE1BF0X0N