

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 11610354
Catalog # : 01018ET3E215TC-W22

Frame	: 213/5TC	Locked rotor time	: 30s (cold) 17s (hot)
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 25.3/12.7 A	Protection degree	: IP55
L. R. Amperes	: 162/81.1 A	Cooling method	: IC411 - TEFC
LRC	: 6.4x(Code H)	Mounting	: F-1
No load current	: 11.6/5.80 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1765 rpm	Noise level ²	: 58.0 dB(A)
Slip	: 1.94 %	Vibration	: A
Rated torque	: 29 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 240 %	Approx. weight ³	: 172 lb
Breakdown torque	: 295 %	Painting plan	: 207A (ISO 12944 - C3)
Insulation class	: F	Color	: RAL 5009
Service factor	: 1.25	Design	: B
Moment of inertia (J)	: 1.51 sq.ft.lb		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	91.0 90.0	91.7 90.0	91.7 89.8	Max. traction	: 460 lb
	89.2 88.7	89.9 89.8	90.1 90.3		
	88.0 90.3	88.5 90.2	88.5 89.5		
	90.3	90.2	90.2		
Power Factor	0.65 0.61	0.76 0.74	0.81 0.81	Max. compression	: 636 lb
	0.57 0.53	0.70 0.67	0.77 0.75		
	0.72 0.68	0.81 0.79	0.85 0.84		
	0.64	0.76	0.82		

Losses at normative operating points (speed;torque), in percentage of rated output power

Losses (%)	P1 (0,9;1,0)	8.8	11.0	10.7	10.4	12.6	11.4	10.5
	P2 (0,5;1,0)	7.3	9.2	8.9	8.7	10.5	9.5	8.8
	P3 (0,25;1,0)	7.1	8.9	8.6	8.4	10.2	9.2	8.5
	P4 (0,9;0,5)	4.6	5.7	5.6	5.4	6.6	5.9	5.5
	P5 (0,5;0,5)	3.2	4.0	3.8	3.8	4.5	4.1	3.8
	P6 (0,5;0,25)	2.2	2.8	2.7	2.6	3.2	2.9	2.7
	P7 (0,25;0,25)	1.5	1.9	1.9	1.8	2.2	2.0	1.9

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6308 ZZ	6207 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	00088	

Notes

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page Revision 1 / 2		
Checked by				
Date	05/10/2026			

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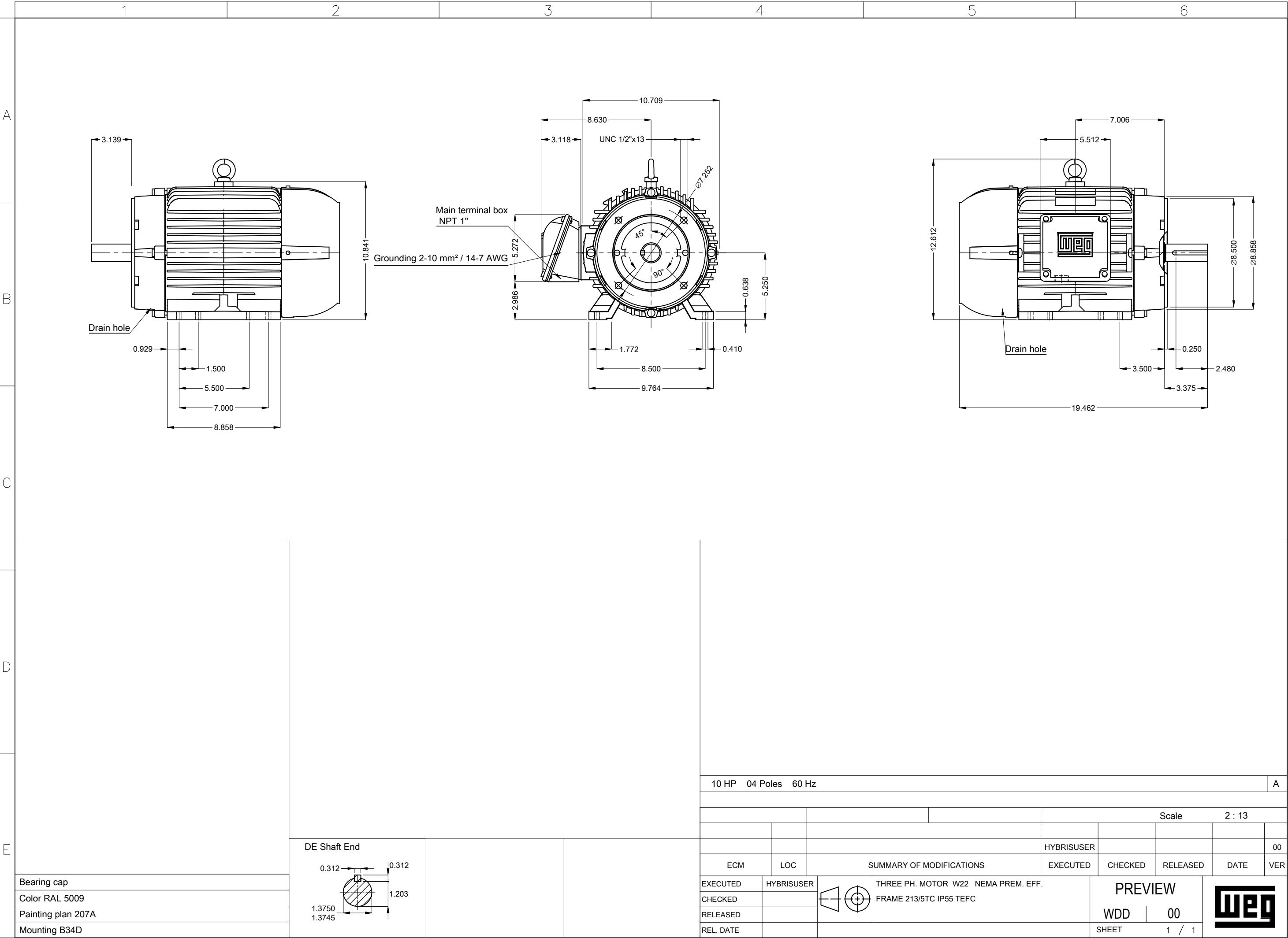


Customer :

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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Performed by			Page 2 / 2		Revision
Checked by					
Date	05/10/2026				



MADE IN MEXICO
11610354



MODEL 01018ET3E215TC-W22

Inverter Duty Motor
Severe Duty



Class I, Div 2, Gr A, B, C, D, 1.15SF - T3
Class II, Zone 2, IIC, 1.15SF - T3
Class II, Div 2, Gr F, G - T4
60Hz: For use on PWM: Gr. A, B, C, D, F,
VT 1000:1, CT 20:1, 1.00SF - T3A



FOR SAFE AREA
Mod. TE1BFOXON
CC029A

PH3 60Hz Fr. 213/5TC 1000m.a.s.l. IP55 TEFC 176lb

V 230/460

A 25.3/12.7

HP 10

kW 7.5

SF 1.25

SFA 31.6/15.9

RPM 1765

PF 0.81

AMB 40°C

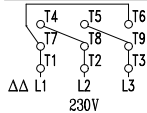
INS cl. F DT80K

NEMA NOM EFF 91.7%

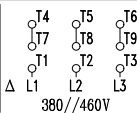
DUTY CONT.

DES B Code H

10HP 7.5kW 50Hz 380V 15.2A 1450RPM SF 1.15 SFA 17.5 EFF 88.5% (IE1)



230V



380//460V



POLYUREA BASED GREASE

