

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Close Coupled Pump JM
NEMA Premium Efficiency Three-Phase
Product code : 13469729
Catalog # : 00336ET3E145JM-W22

Frame	: 143/5JM	Locked rotor time	: 25s (cold) 14s (hot)
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 7.42/3.71 A	Protection degree	: IP55
L. R. Amperes	: 60.1/30.1 A	Cooling method	: IC411 - TEFC
LRC	: 8.1x(Code J)	Mounting	: F-1
No load current	: 2.60/1.30 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3460 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 3.89 %	Starting method	: Direct On Line
Rated torque	: 4.55 ft.lb	Approx. weight ³	: 58.6 lb
Locked rotor torque	: 330 %		
Breakdown torque	: 360 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.0605 sq.ft.lb		
Design	: B		

Output	50%	75%	100%	Foundation loads
Efficiency (%)	85.5	86.5	86.5	Max. traction : 129 lb
Power Factor	0.70	0.81	0.86	Max. compression : 188 lb

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

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
14.8	12.3	11.7	6.8	4.3	2.6	1.7

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6206 ZZ	6204 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

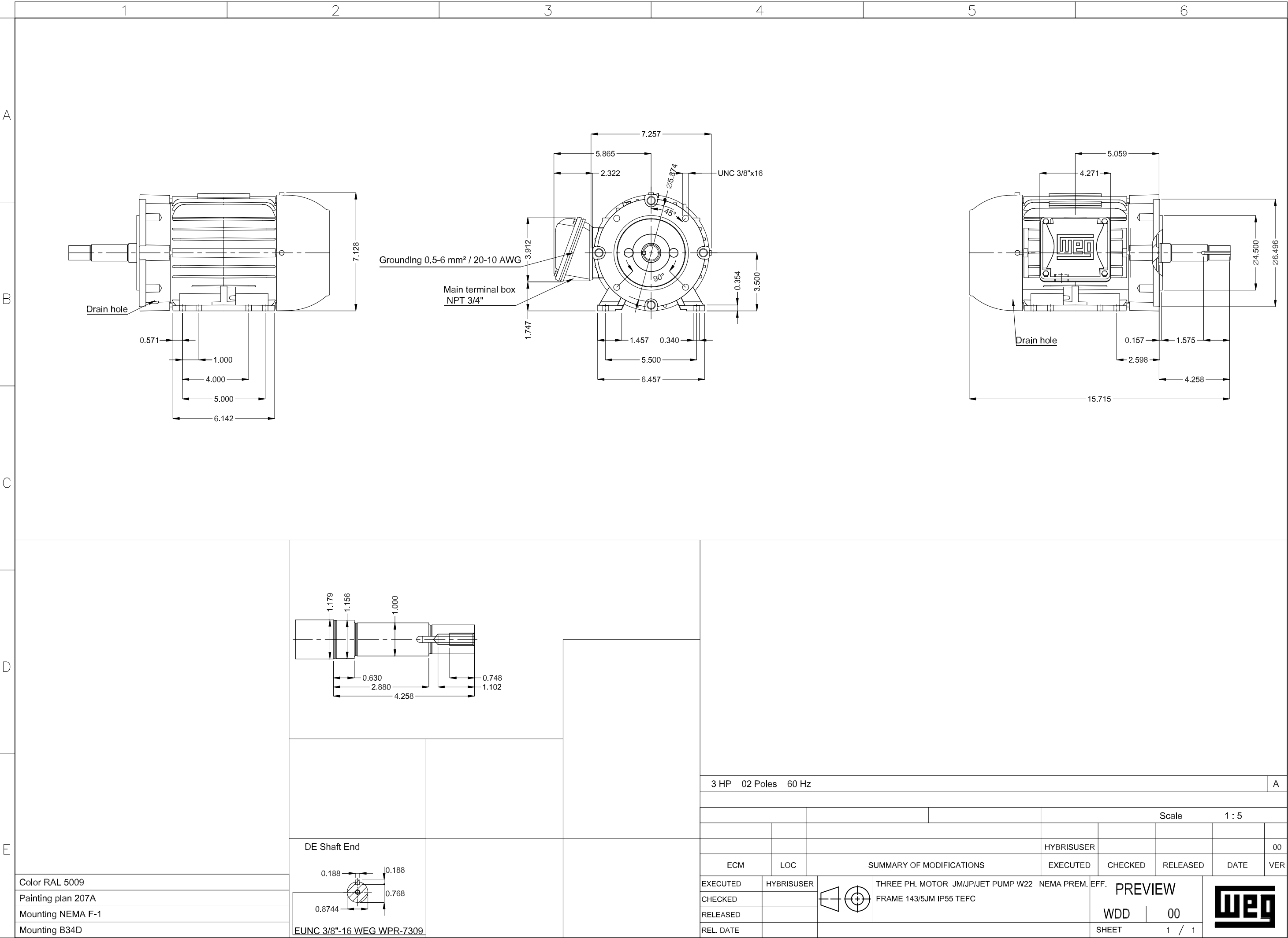
Notes

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	Date
Performed by		Page 1 / 1 Revision		
Checked by				
Date	12/03/2025			





Class I, Div 2, Gr A, B, C, D, 1.15SF - T3
 Class II, Div 2, IIC, 1.15SF - T3
 Class II, Div 2, Gr F, G - T5
 60Hz: For use on PWM: Gr. A, B, C, D, F, G, VT 1000:1, CT 20:1, 1.00SF - T4A



FOR SAFE AREA
 Mod.TE1BFOXON
 CC029A

MADE IN BRAZIL
 13469729

MODEL 00336ET3E145JM-W22

Inverter Duty Motor
 Severe Duty

PH3 60Hz Fr. 143/5JM 1000m.a.s.l. IP55 TEFC 59lb

V 230/460

A 7.42/3.71

HP 3.0

kW 2.2

SF 1.25

SFA 9.28/4.64

RPM 3460

PF 0.86

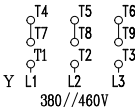
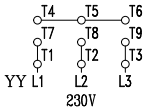
AMB 40°C

INS cl. F DT80K NEMA NOM EFF 86.5%

DUTY CONT.

DES B Code J

3.0HP 2.2kW 50Hz 380V 4.44A 2820RPM SF 1.25 SFA 5.55 EFF 84.6% (IE2)



MOBIL POLYREX EM

