

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 JM Pump Single-Phase Product code : 14427977
Catalog # : 00536ES1B184JM-W22

Frame	: 182/4JM	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 41.1/22.1-20.8 A	Protection degree	: IP55
L. R. Amperes	: 358/192-181 A	Cooling method	: IC411 - TEFC
LRC	: 8.7x(Code K)	Mounting	: F-1
No load current	: 16.8/0.000-8.60 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3515 rpm	Starting method	: Direct On Line
Slip	: 2.36 %	Approx. weight ³	: 103 lb
Rated torque	: 7.47 ft.lb		
Locked rotor torque	: 320 %		
Breakdown torque	: 320 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1898 sq.ft.lb		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	78.0	82.5	84.0	Max. traction	: 101 lb
Power Factor	0.00	0.78	0.87	0.89	Max. compression	: 204 lb

	Drive end	Non drive end
Bearing type	: 6307 ZZ	6206 ZZ
Sealing	: V'Ring	V'Ring
Lubrication interval	: 0 h	0 h
Lubricant amount	: 0 g	0 g
Lubricant type	Mobil Polyrex EM	

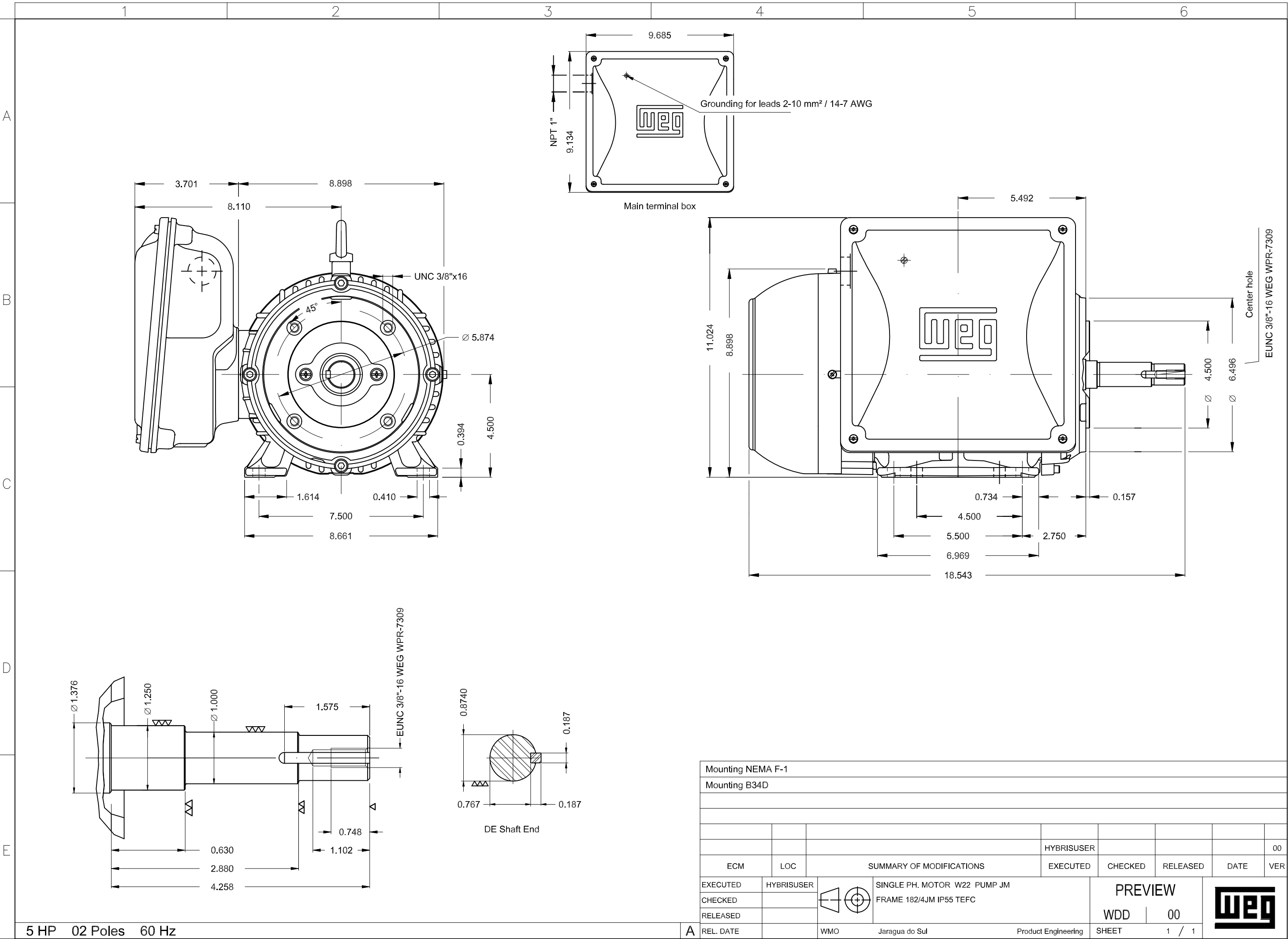
Notes

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





Mod.ME1BFOXOX

MADE IN BRAZIL
14427977

MODEL 00536ES1B184JM-W22

Electric Motor
Severe Duty

PH1 60Hz Fr. 182/4JM 1000m.a.s.l. IP55 TEFC 111lb

V 115/230

A 41.1/20.8

HP 5.0

kW 3.7

SF 1.15

SFA

RPM 3515

PF 0.89

AMB 40°C

INS cl. F DT80K

NEMA NOM EFF 84.0%

DUTY CONT.

DES - Code K

USABLE @208V 22.1A SF 1.00

TO REVERSE ROTATION INVERT T5 AND T8



LOW VOLTAGE



HIGH VOLTAGE



MOBIL POLYREX EM

