DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W01 - TEFC - Standard Efficiency Jet Pump - Forma J Derating		
Product code	: 14804531	Catalog #	: .7536ES3EJP56J-S

Frame	: 56J	Locked rotor time	: 23 s (hot) 41 s (cold)
Output	: 0.75 HP (0.55 kW)	Temperature rise[4]	: 80 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l
Rated current	: 2.50-2.26/1.13 A	Protection degree	: IP55
L. R. Amperes	: 15.8/7.91 A	Cooling method	: IC411 - TEFC
LRC	: 7.0 Code K	Mounting	: F-1/B34R(D)
No load current	: 1.10/0.550 A	Rotation[1]	: Counter clockwise
Rated speed	: 3475 rpm	Noise level[2]	: 68 dB(A)
Slip	: 3.47 %	Starting method	: Direct On Line
Rated torque	: 1.13 ft.lb	Approx. weight[3]	: 20.3 lb
Locked rotor torque	: 250 %	Design	:
Pull up torque	: 210 %		
Breakdown torque	: 290 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0522 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	62.0	68.0	72.0
Power Factor	0.70	0.79	0.85

Load type	: -	
Load torque	: -	
Load inertia (J=GD²/4)	: -	

	Drive end	Non drive end
Bearing type	6203-2RS	6202-2RS
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	MOBIL POLYREX EM	

Foundation loads	
Max. traction	: 22 lb
Max. compression	: 42 lb

Notes:

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00

Standards

Specification	: MG1 - Part 10	Vibration	: MG1 - Part 7
Test	: MG1 - Part 12	Tolerance	: MG1 - Part 12
Noise	: MG1 - Part 9		

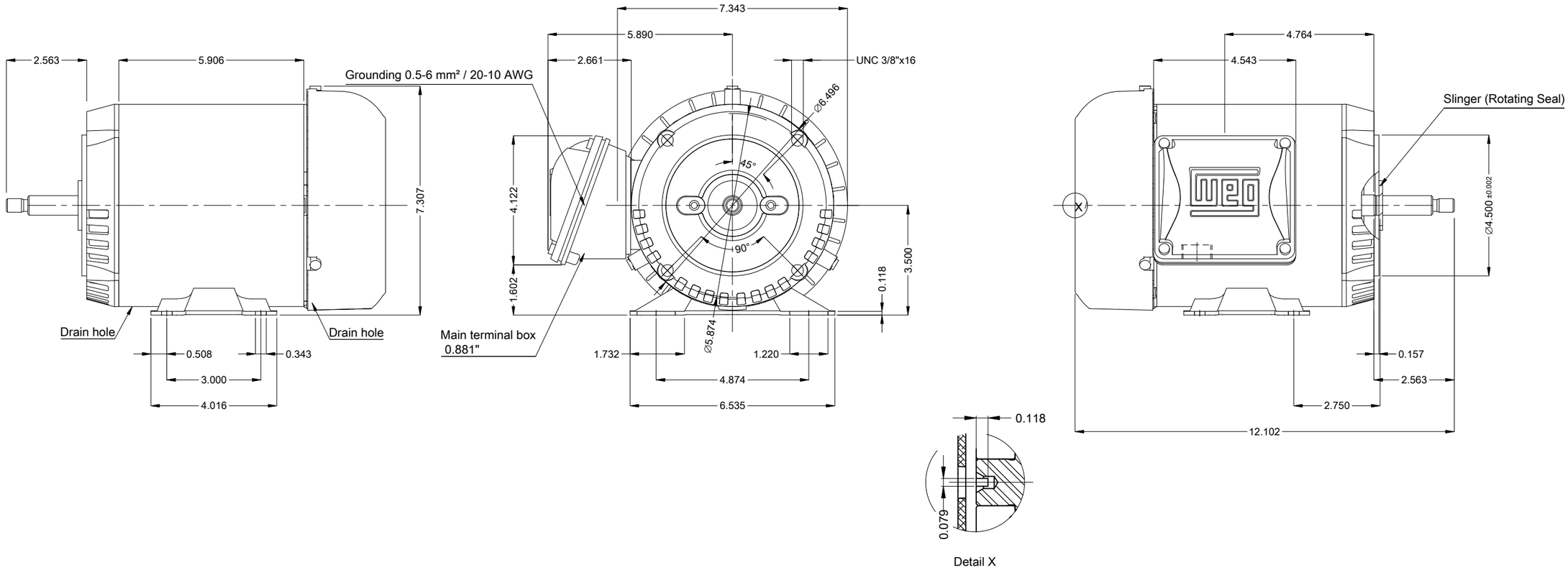
This revision replaces and cancel the previous one, which must be eliminated..
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +0dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.
(4) At 100% of full load.

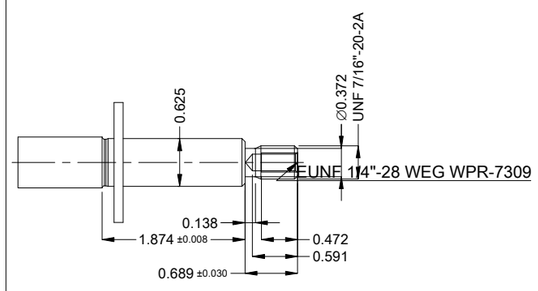
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

Rev.	Changes Summary	Performed	Checked	Date
				2026/11/19

Performed by				
Checked by			Page	Revision
Date	2026/11/19		1/1	0

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Shaft material - stainless steel AISI 304
Fan cover - steel plate
Color Munsell N 1 matte black
Painting plan 207N
Mounting MARKET F-1/B34R(D)
Mounting B34D

0.75 HP 02 Poles 60 Hz | A

Scale 2 : 7

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED
FRAME 56J IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

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MADE IN MÉXICO

C UL US LISTED 3PT9 FOR SAFE AREA

C CSA® US

MAT: 14804531
W01.TE0IC0X0X
MODEL .7536ES3EJP56J-S

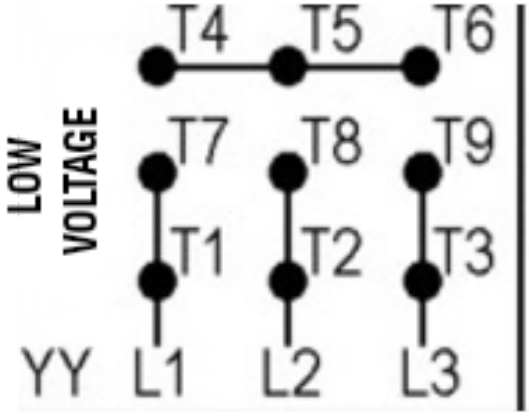
For 60Hz: Class I, Zone 2, IIC
Class I, Div.2, Gr. A,B,C,D - T3
Div 2 Inverter Duty (SF1.00)
CT 2:1/VT 1000:1

PH 3	Hz 60	HP 0.75	
FR 56J		kW 0.55	
DUTY CONT.		V 230/460	
ALT 1000 m.a.s.l		A 2.26/1.13	
INS CL F DT 80K	IP55	SFA 2.60/1.30	
AMB 40°C	DES -	SF 1.15	
ENCL TEFC	CODE K	PF 0.85	
USABLE @208V 2.50A SF 1.00		RPM 3475	
		NEMA NOM. EFF	72.0%

ALTERNATE RATING: 0.75HP 50Hz 190-220/380-415V SF1.00
2.52-2.26/1.26-1.20A 2825RPM EFF 73.0% (IE1) IEC 60034-1

For safe area-Inverter duty motor For 60Hz use on VPWM 1000:1 VT, 10:1 CT

DE 6203-2RS	ODE 6202-2RS	MOBIL POLYREX EM	



T1-BLU T2-WHT
T3-ORG T4-YEL
T5-BLK T6-GRY
T7-PNK T8-RED
T9-RED BRK

WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.

AVERTISSEMENT: Le moteur doit être mis à la terre conformément aux codes électriques locaux et nationaux afin d'éviter tout choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine.