

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: JM Pump NEMA Premium Efficiency Three-Phase	Product code :	13439527	
Frame	: 254/6JM	Cooling method	: IC411 - TEFC	
Insulation class	: F	Mounting	: F-1	
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)	
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line	
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 111 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0551 kgm ²	
Design	: A			
Output [HP]	25			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	230/460			
Rated current [A]	57.0/28.5			
L. R. Amperes [A]	473/237			
LRC [A]	8.3x(Code J)			
No load current [A]	20.1/10.0			
Rated speed [RPM]	3530			
Slip [%]	1.94			
Rated torque [kgfm]	5.14			
Locked rotor torque [%]	240			
Breakdown torque [%]	340			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	14s (cold) 8s (hot)			
Noise level ²	75.0 dB(A)			
Efficiency (%)	25%			
	50%	91.0		
	75%	91.7		
	100%	91.7		
Power Factor	25%			
	50%	0.77		
	75%	0.85		
	100%	0.89		
Bearing type	: <u>Drive end</u> 6309 Z C3 <u>Non drive end</u> 6208 Z C3	Foundation loads		
Sealing	: V'Ring Without Bearing Seal	Max. traction	: 219 kgf	
Lubrication interval	: 15797 h 20000 h	Max. compression	: 330 kgf	
Lubricant amount	: 13 g 8 g			
Lubricant type	: Mobil Polyrex EM			
Notes USABLE @208V 63.0A SF 1.00 SFA 63.0A				
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				
Checked by			Page	Revision
Date	17/05/2022		1 /	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

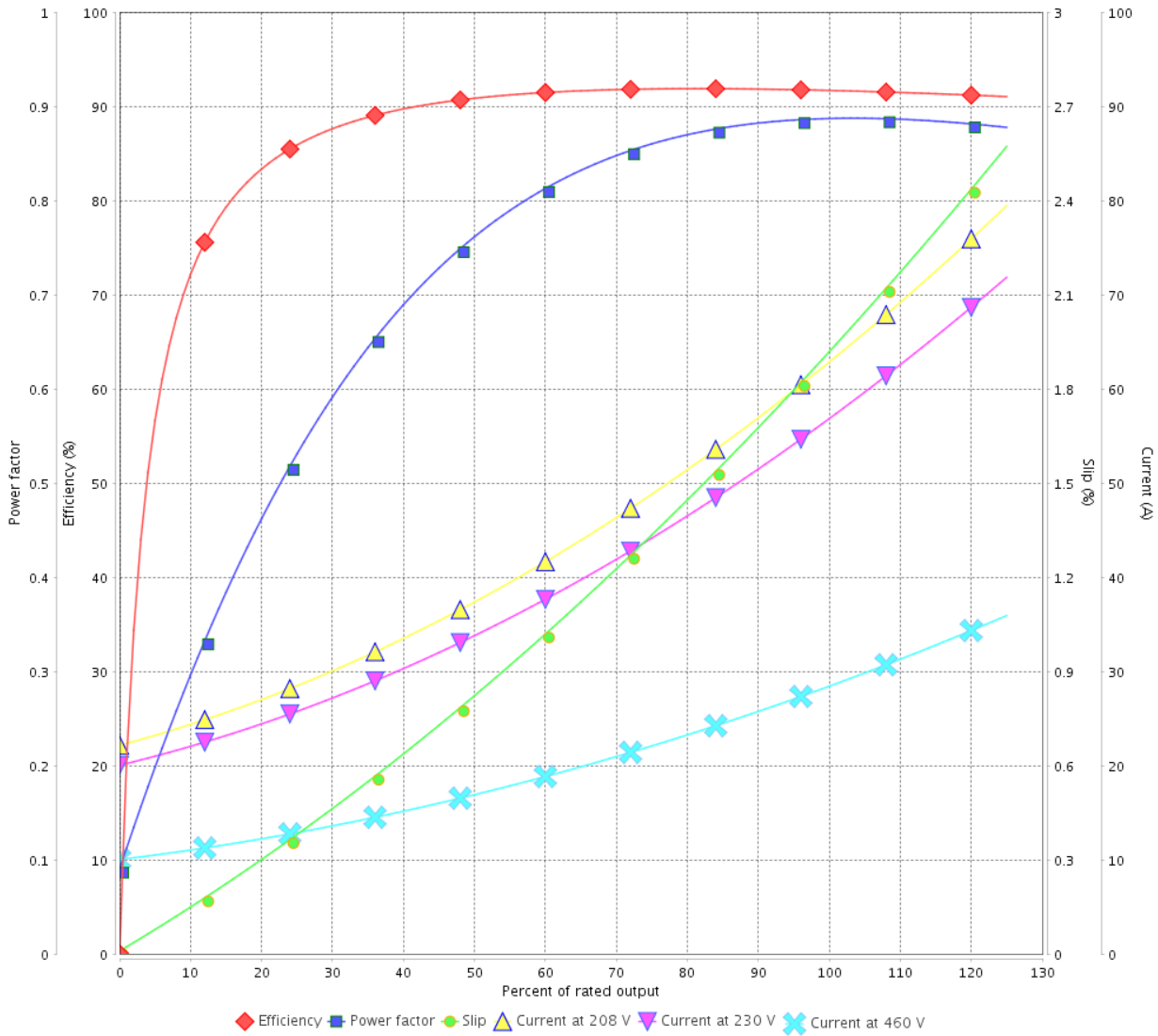


Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13439527

LOAD PERFORMANCE CURVE



Performance : 230/460 V 60 Hz 2P

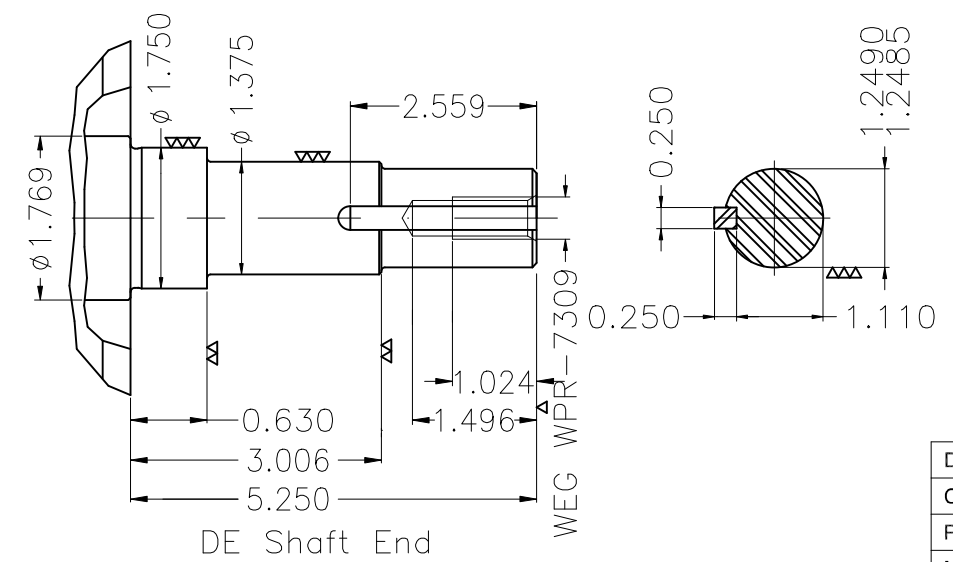
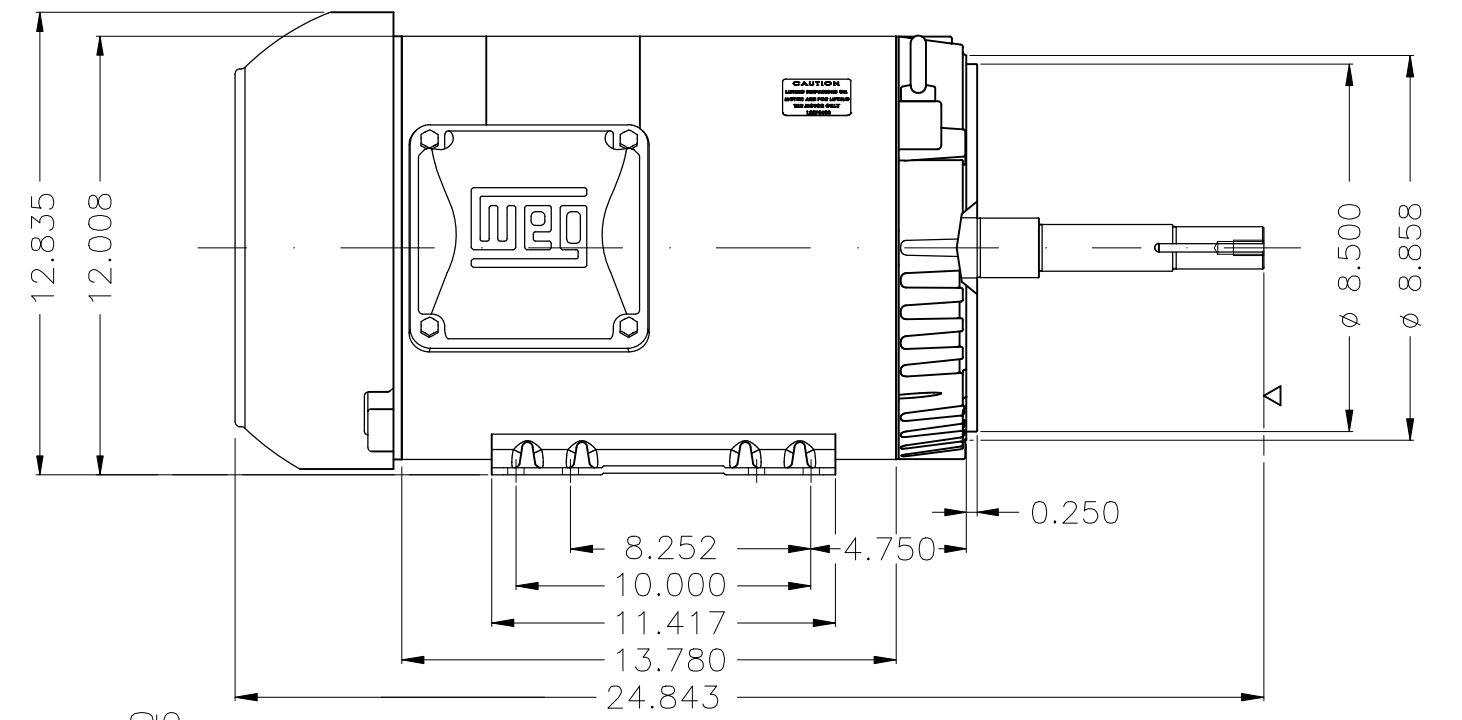
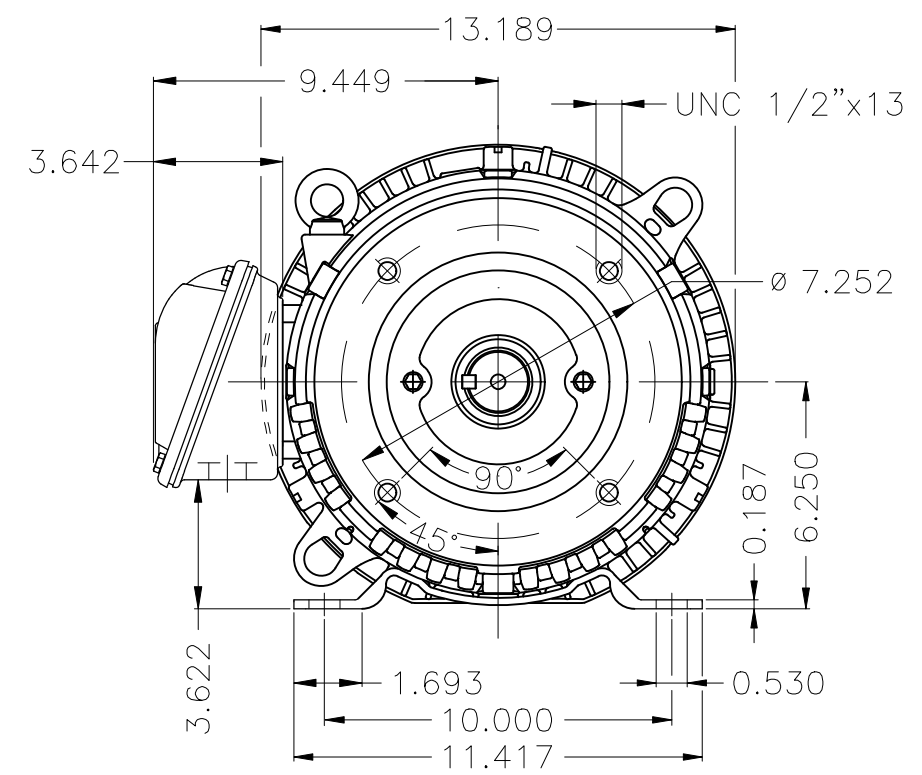
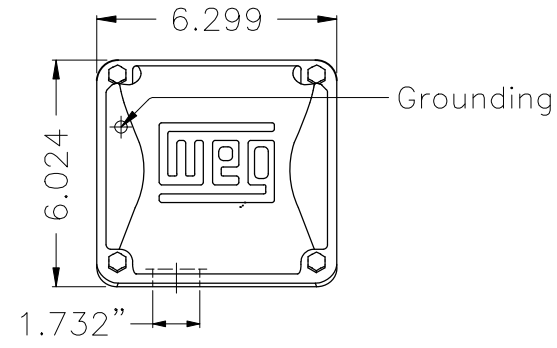
Rated current : 57.0/28.5 A
 LRC : 8.3
 Rated torque : 5.14 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 340 %
 Rated speed : 3530 rpm

Moment of inertia (J) : 0.0551 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				

1 2 3 4 5 6

A
B
C
D
E



EUNC 1/2"-13 WEG WPR-7309

DE Shaft End

Design A					
Color Munsell N 1 matte black					
Painting plan 207N					
Mounting B34D					
			HYBRISUSER		00
ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL JM NEMA PREM. EFF.			
CHECKED		FRAME 254/6JM IP55 TEFC			
RELEASED					
REL. DATE	WMO	Jaragua do Sul	Product Engineering	WDD	00
			SHEET		1 / 1

25 HP 02 Poles 60 Hz



Dimensions in inches XME A3