

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase	Product code : 12682530	
Frame : 143/5JM		Cooling method : IC01 - ODP		
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 : 19.8 kg		
Design : B		Moment of inertia (J) : 0.0060 kgm ²		
Output [HP]		1.5		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.66		
L. R. Amperes [A]		14.4		
LRC [A]		8.7x(Code L)		
No load current [A]		0.958		
Rated speed [RPM]		1760		
Slip [%]		2.22		
Rated torque [kgfm]		0.619		
Locked rotor torque [%]		280		
Breakdown torque [%]		330		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		27s (cold) 15s (hot)		
Noise level ²		52.0 dB(A)		
Efficiency (%)	25%	83.6		
	50%	84.0		
	75%	86.5		
	100%	86.5		
Power Factor	25%	0.32		
	50%	0.56		
	75%	0.69		
	100%	0.77		
Bearing type : 6206 ZZ		Drive end	Non drive end	Foundation loads Max. traction : 48 kgf Max. compression : 68 kgf
Sealing : Without		Bearing Seal	Bearing Seal	
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
Performed by				
Checked by			Page	Revision
Date	16/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

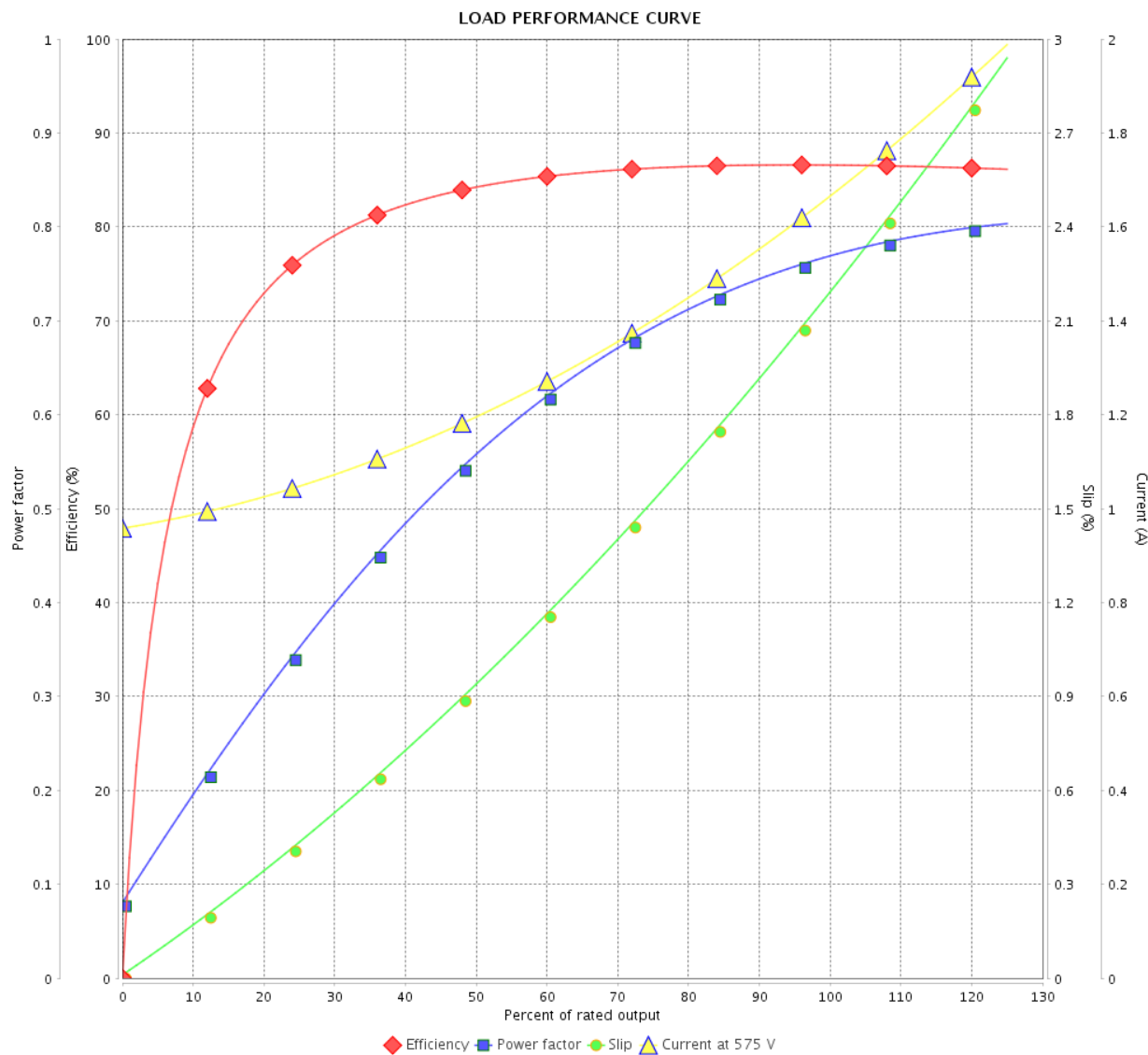
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Efficiency Three-Phase

Product code : 12682530

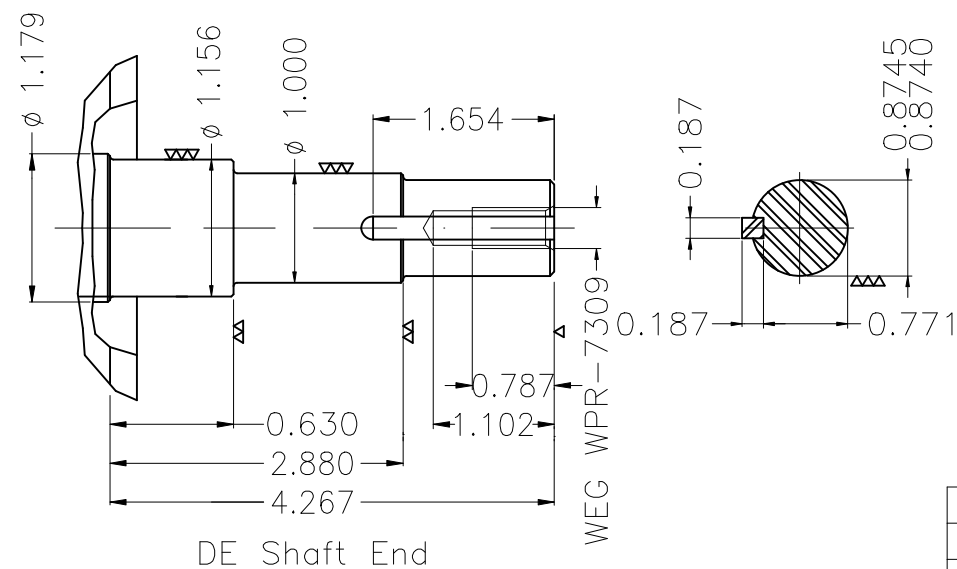
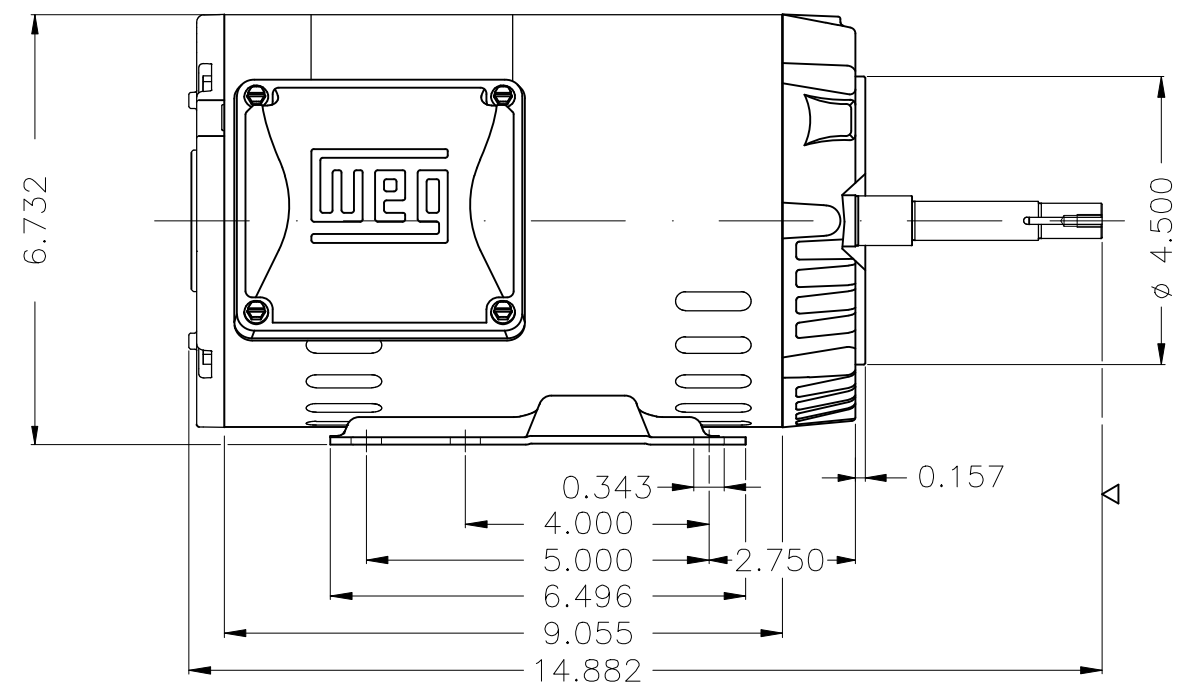
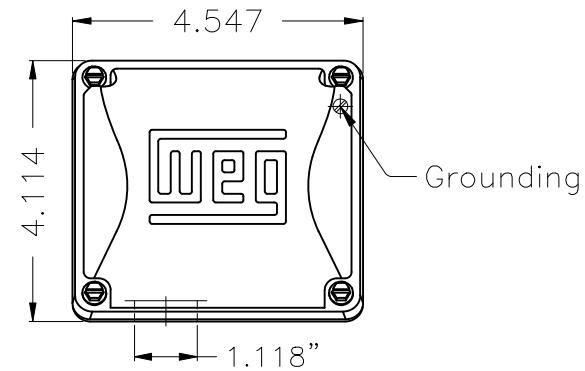
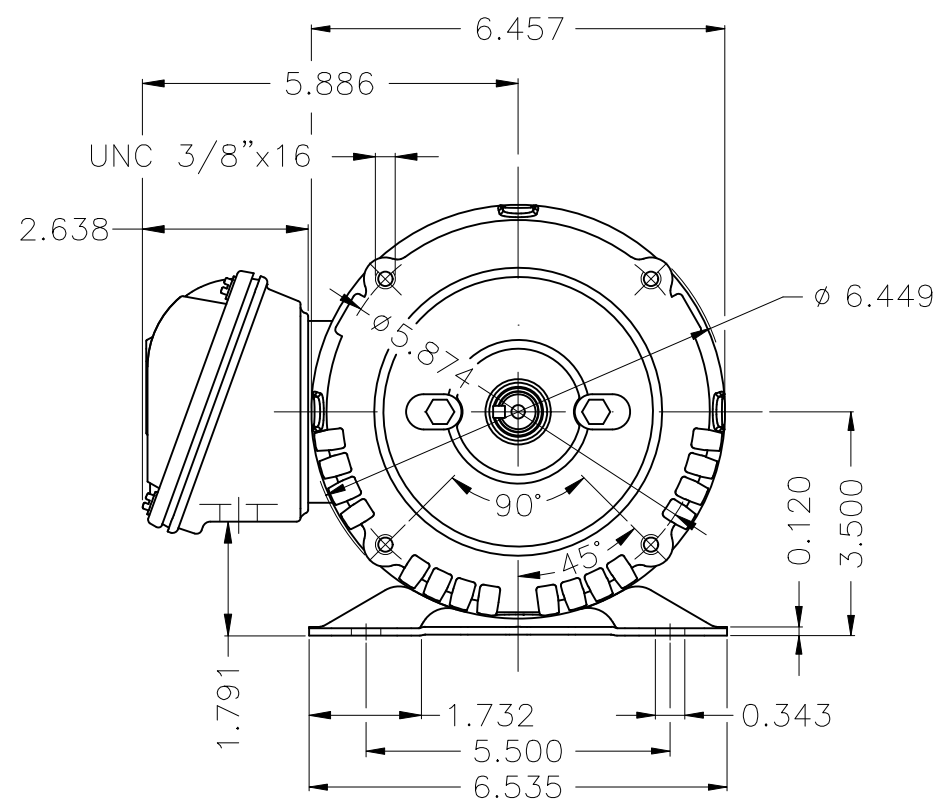


Performance : 575 V 60 Hz 4P

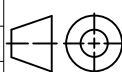

Rated current : 1.66 A
LRC : 8.7
Rated torque : 0.619 kgfm
Locked rotor torque : 280 %
Breakdown torque : 330 %
Rated speed : 1760 rpm

Moment of inertia (J) : 0.0060 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page 2 / 2	Revision
Checked by					
Date	16/05/2022				



EUNC 3/8"-16 WEG WPR-7309

Color Munsell N 1 matte black									
Painting plan 207N									
Mounting B34D									
						HYBRISUSER			00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE VER
EXECUTED	HYBRISUSER		THREE PH. MOTOR ROLLED STEEL JM NEMA PREM.EFF.				PREVIEW WDD 00		
CHECKED			FRAME 143/5JM IP21 ODP						
RELEASED									
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			

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Dimensions in inches

KME	A3
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