

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: JM Pump NEMA Premium Efficiency Three-Phase	Product code :	13680185
Frame	: 143/5JM	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: W-6
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	: 18.7 kg
Design	: B	Moment of inertia (J)	: 0.0054 kgm ²
Output [HP]	3	3	3
Poles	2	2	2
Frequency [Hz]	60	50	50
Rated voltage [V]	230/460	190/380	220/415
Rated current [A]	7.18/3.59	8.78/4.39	7.56/4.01
L. R. Amperes [A]	57.4/28.7	53.6/26.8	56.0/29.7
LRC [A]	8.0x(Code J)	6.1x(Code G)	7.4x(Code J)
No load current [A]	2.60/1.30	2.60/1.30	2.91/1.54
Rated speed [RPM]	3480	2825	2860
Slip [%]	3.33	5.83	4.67
Rated torque [kgfm]	0.626	0.771	0.761
Locked rotor torque [%]	229	190	240
Breakdown torque [%]	300	229	270
Service factor		1.00	1.00
Temperature rise	80 K	105 K	105 K
Locked rotor time	16s (cold) 9s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²	62.0 dB(A)	60.0 dB(A)	60.0 dB(A)
Efficiency (%)	25%		
	50%	84.0	86.2
	75%	85.5	85.9
	100%	85.5	83.9
Power Factor	25%		
	50%	0.76	0.76
	75%	0.86	0.86
	100%	0.90	0.91
Bearing type	: Drive end 6206 ZZ Non drive end 6203 ZZ	Foundation loads	
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction	: 49 kgf
		Max. compression	: 68 kgf
Lubrication interval	: - -		
Lubricant amount	: - -		
Lubricant type	: Mobil Polyrex EM		
Notes USABLE @208V 7.94A SF 1.00 SFA 7.94A			
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.	
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Three Phase Induction Motor - Squirrel Cage

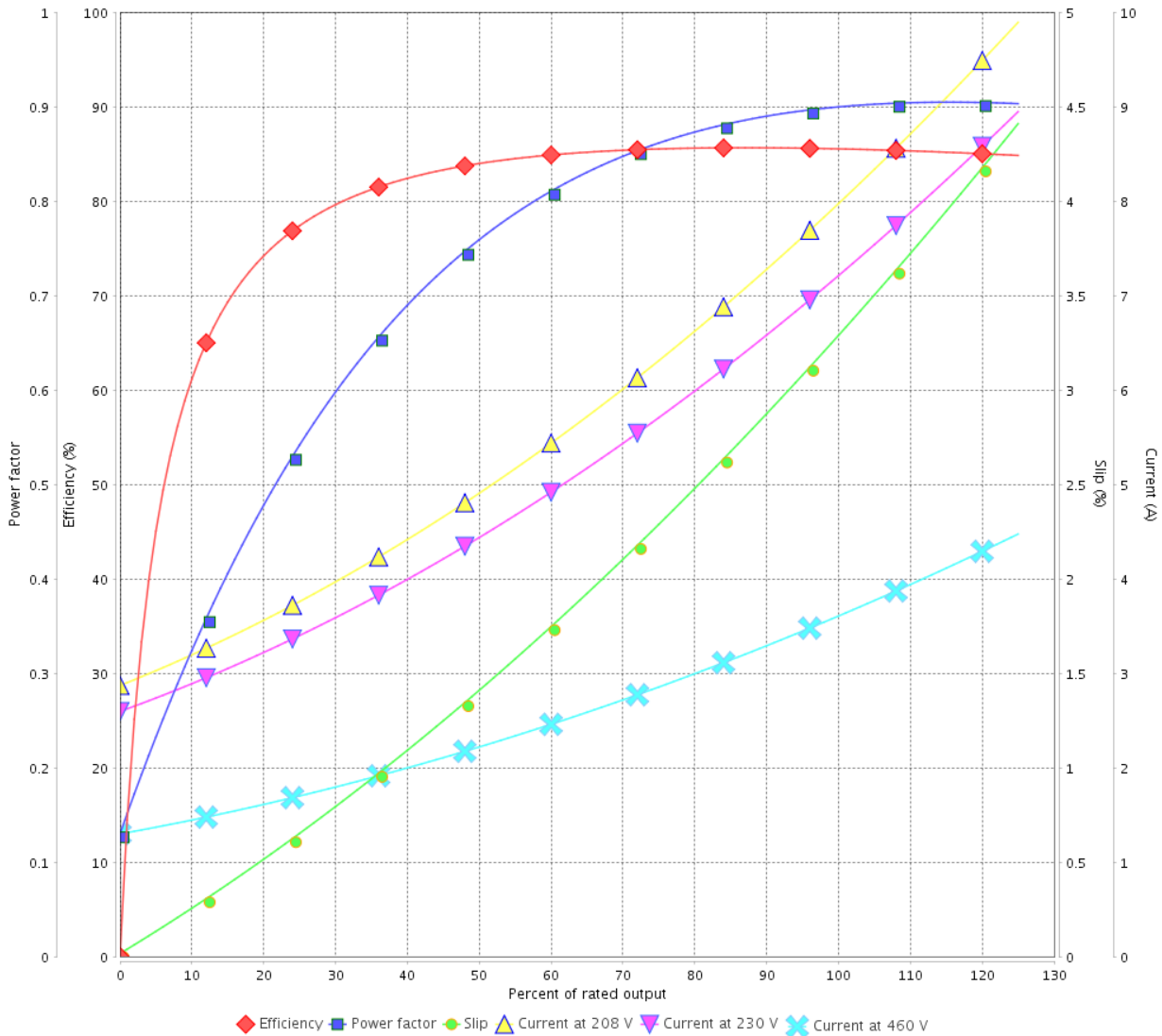


Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13680185

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Performance : 230/460 V 60 Hz 2P

Rated current : 7.18/3.59 A
LRC : 8.0
Rated torque : 0.626 kgfm
Locked rotor torque : 229 %
Breakdown torque : 300 %
Rated speed : 3480 rpm

Moment of inertia (J) : 0.0054 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 80 K
Design : B

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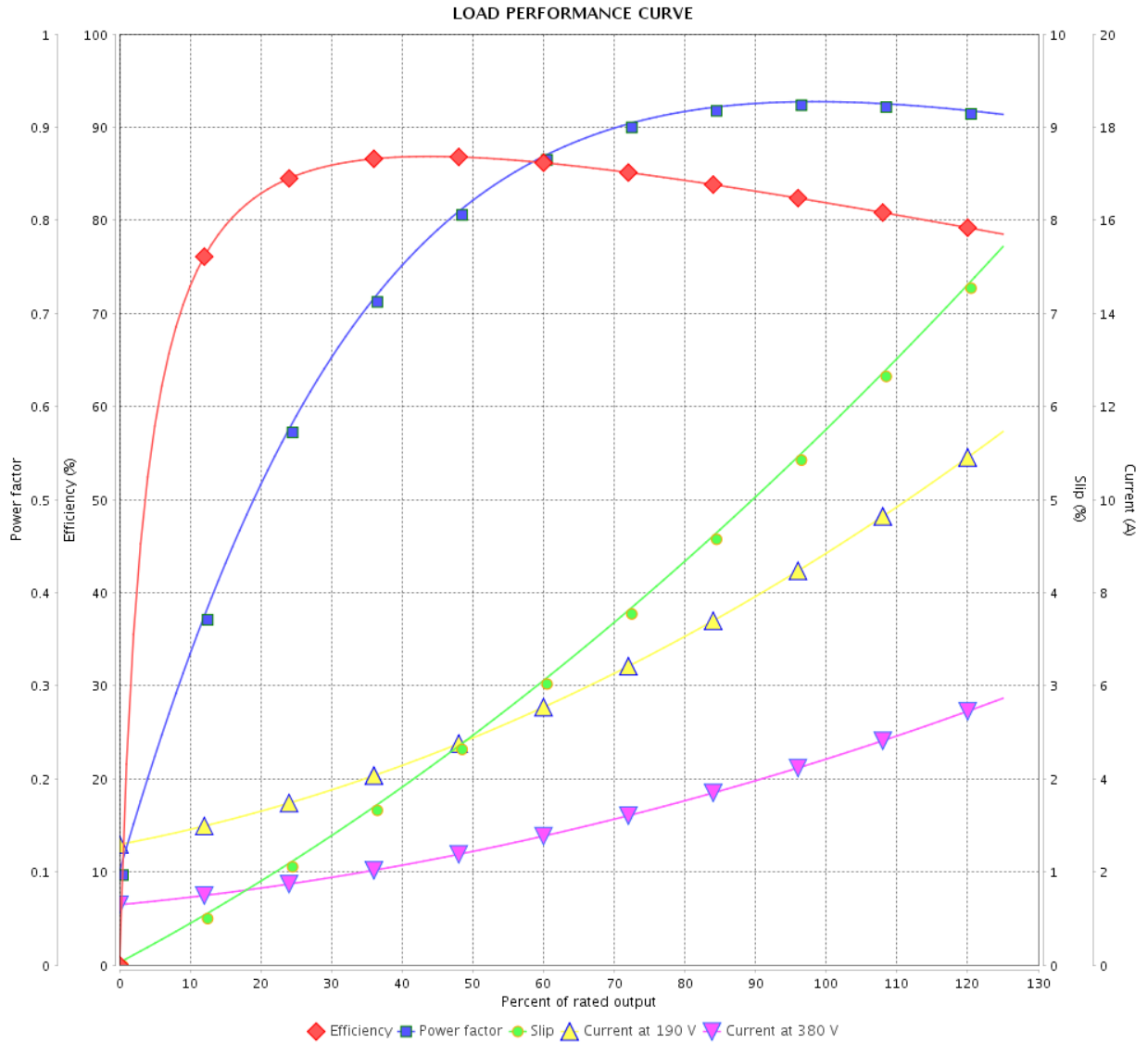
Three Phase Induction Motor - Squirrel Cage



Customer : _____

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Performance : 190/380 V 50 Hz 2P

Rated current : 8.78/4.39 A
 LRC : 6.1
 Rated torque : 0.771 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 229 %
 Rated speed : 2825 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

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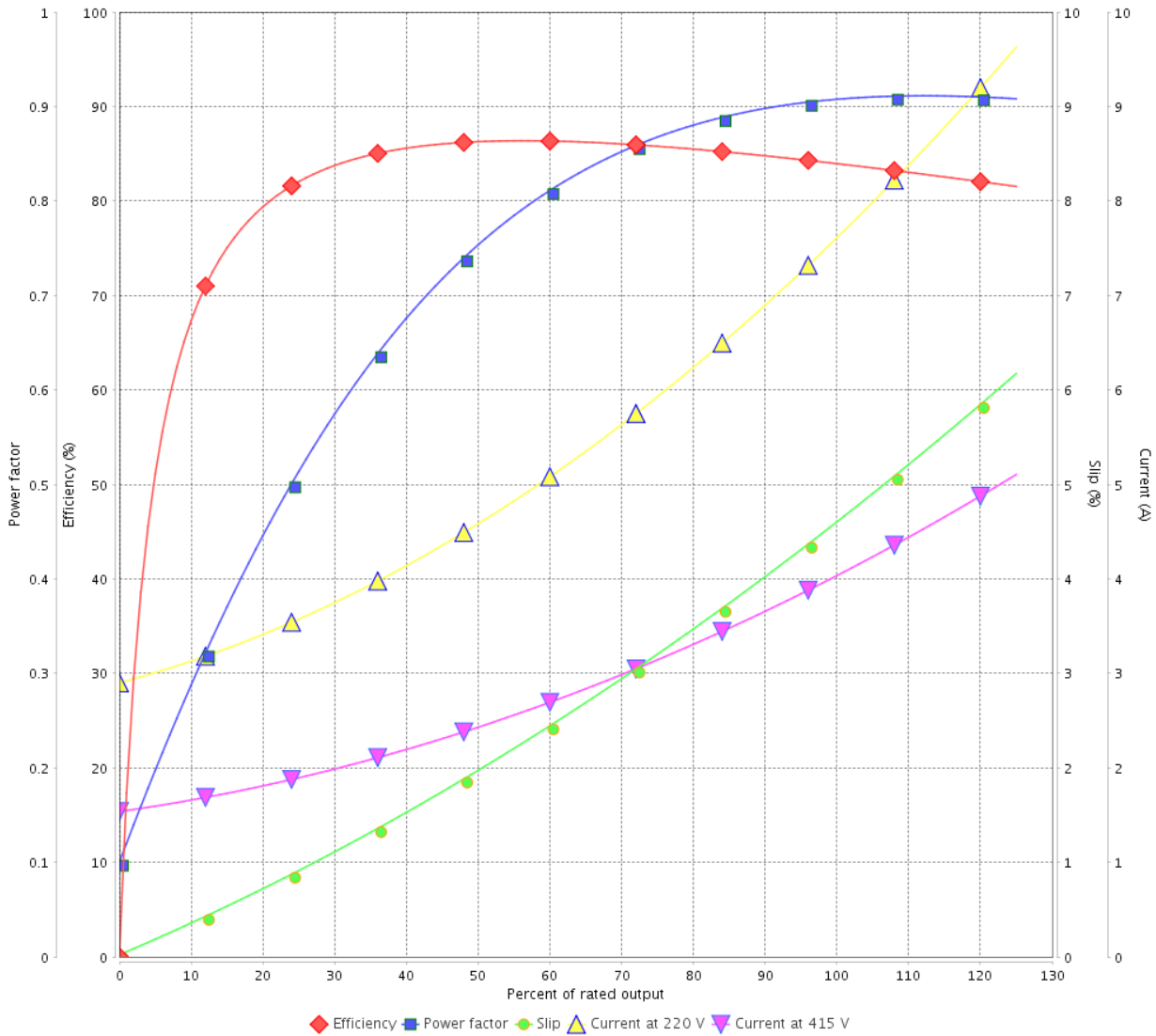


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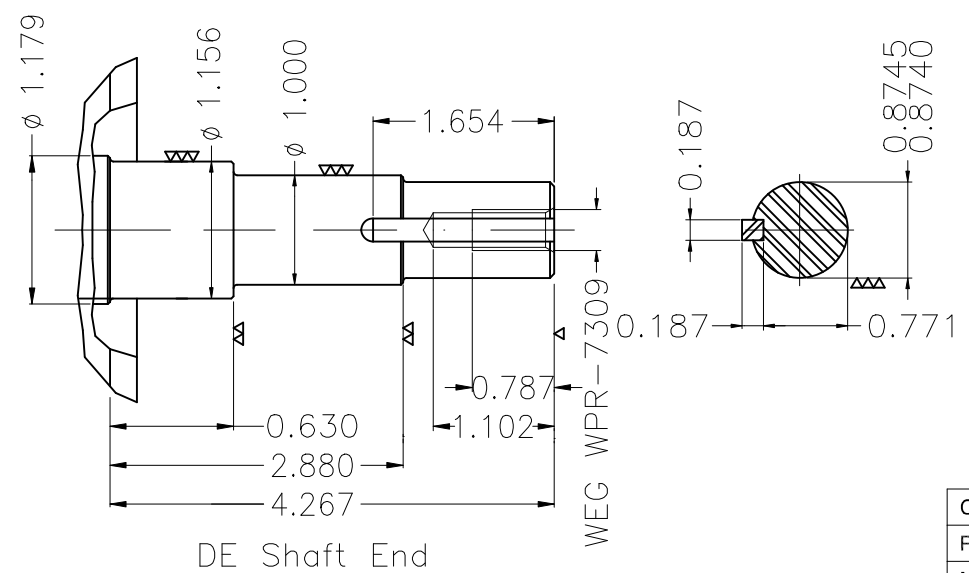
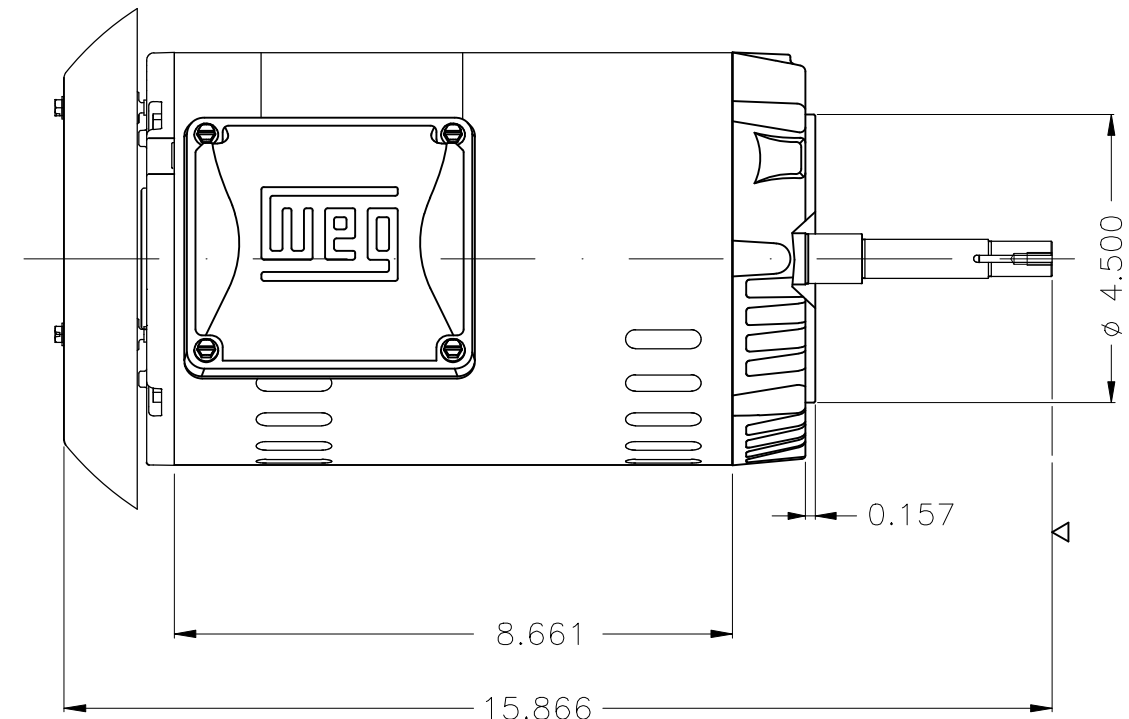
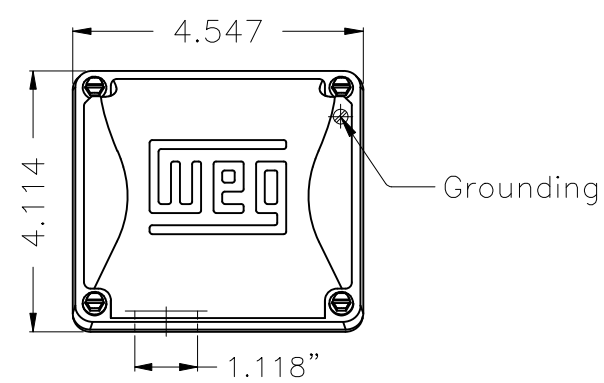
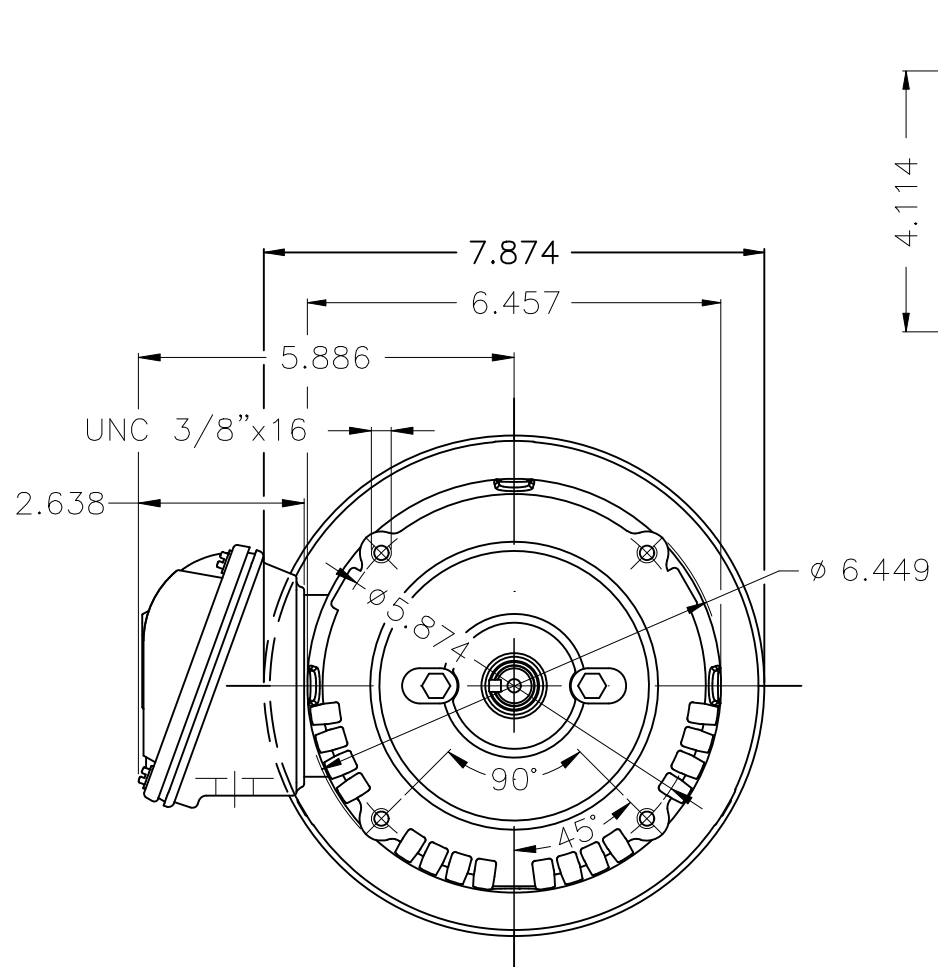


Performance : 220/415 V 50 Hz 2P

Rated current : 7.56/4.01 A
 LRC : 7.4
 Rated torque : 0.761 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 270 %
 Rated speed : 2860 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

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EUNC 3/8"-16 WEG WPR-7309

DE Shaft End

Color Munsell N 1 matte black
 Painting plan 207N
 Mounting W-6/V18R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL JM NEMA PREM. EFF.					00
CHECKED		FRAME 143/5JM IP21 ODP					
RELEASED							
REL. DATE	WMO	Jaragua do Sul	Product Engineering	WDD	00	1 / 1	

3 HP 02 Poles 60 Hz

A



Dimensions in inches XME A3