

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :		
Product line	: Premium Efficiency Three-Phase	
Product code	: 13484361	
Frame	: 56HC	
Insulation class	: F	
Duty cycle	: Cont.(S1)	
Ambient temperature	: -20°C to +40°C	
Altitude	: 1000 m.a.s.l.	
Protection degree	: IP55	
Design	: B	
Cooling method	: IC411 - TEFC	
Mounting	: F-1	
Rotation ¹	: Both (CW and CCW)	
Starting method	: Direct On Line	
Approx. weight ²	: 19.2 kg	
Moment of inertia (J)	: 0.0055 kgm ²	
Output [HP]	2	
Poles	4	
Frequency [Hz]	60	
Rated voltage [V]	230/460	
Rated current [A]	5.44/2.72	
L. R. Amperes [A]	44.6/22.3	
LRC [A]	8.2x(Code K)	
No load current [A]	2.80/1.40	
Rated speed [RPM]	1745	
Slip [%]	3.06	
Rated torque [kgfm]	0.832	
Locked rotor torque [%]	270	
Breakdown torque [%]	300	
Service factor	1.15	
Temperature rise	80 K	
Locked rotor time	27s (cold) 15s (hot)	
Noise level ²	52.0 dB(A)	
Efficiency (%)	25%	86.0
	50%	85.5
	75%	87.5
	100%	86.5
Power Factor	25%	0.35
	50%	0.60
	75%	0.73
	100%	0.80
Bearing type	: Drive end 6204 ZZ Non drive end 6202 ZZ	
Sealing	: V'Ring Without Bearing Seal	
Lubrication interval	: -	
Lubricant amount	: -	
Lubricant type	: Mobil Polyrex EM	
Foundation loads	Max. traction : 79 kgf	
	Max. compression : 98 kgf	
Notes USABLE @208V 6.02A SF 1.00 SFA 6.02A		
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 by	Performed	
Checked by	Checked	
Date	13/05/2022	
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Revision		

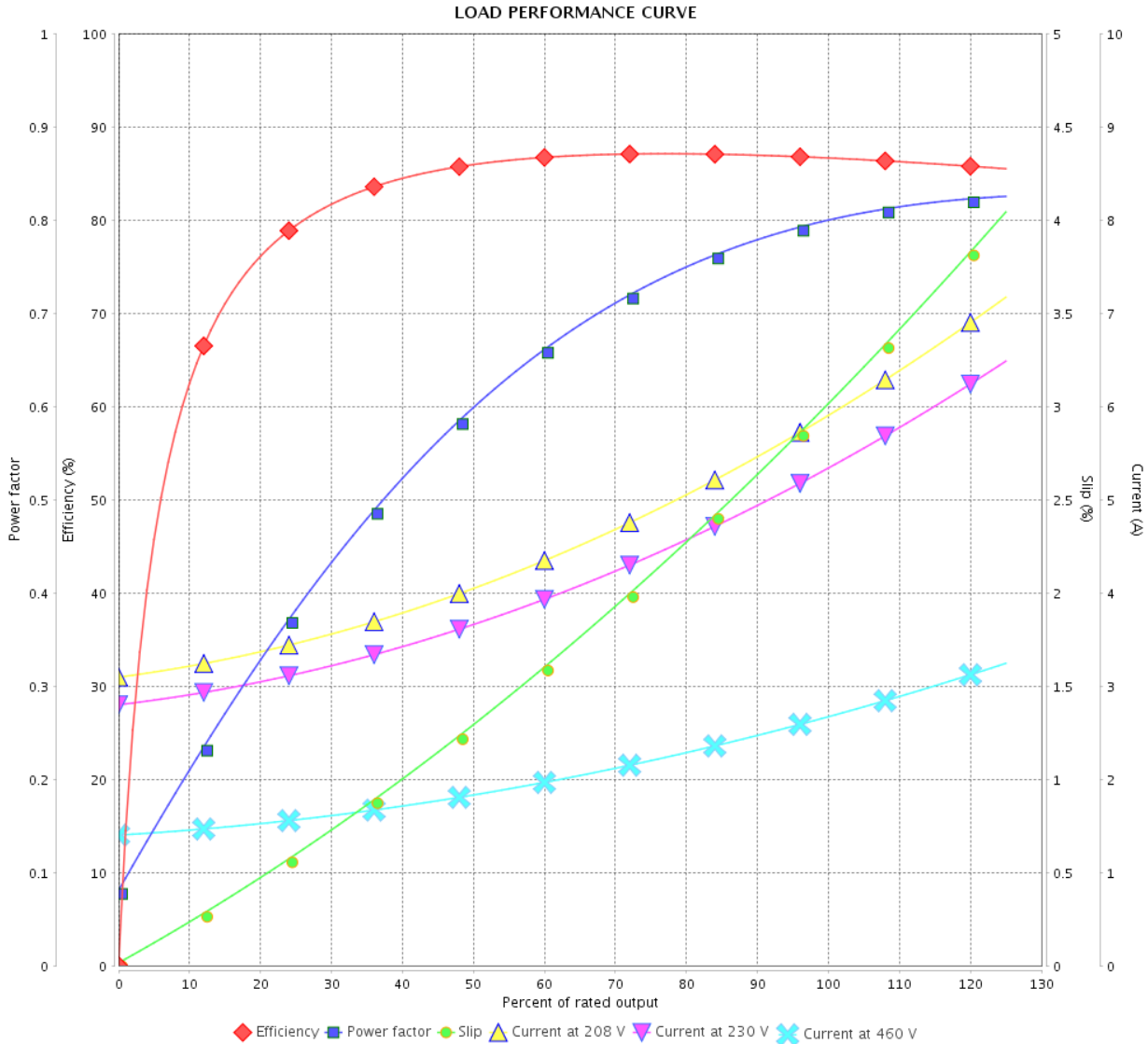
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 13484361



Performance : 230/460 V 60 Hz 4P

Rated current : 5.44/2.72 A
 LRC : 8.2
 Rated torque : 0.832 kgfm
 Locked rotor torque : 270 %
 Breakdown torque : 300 %
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0055 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
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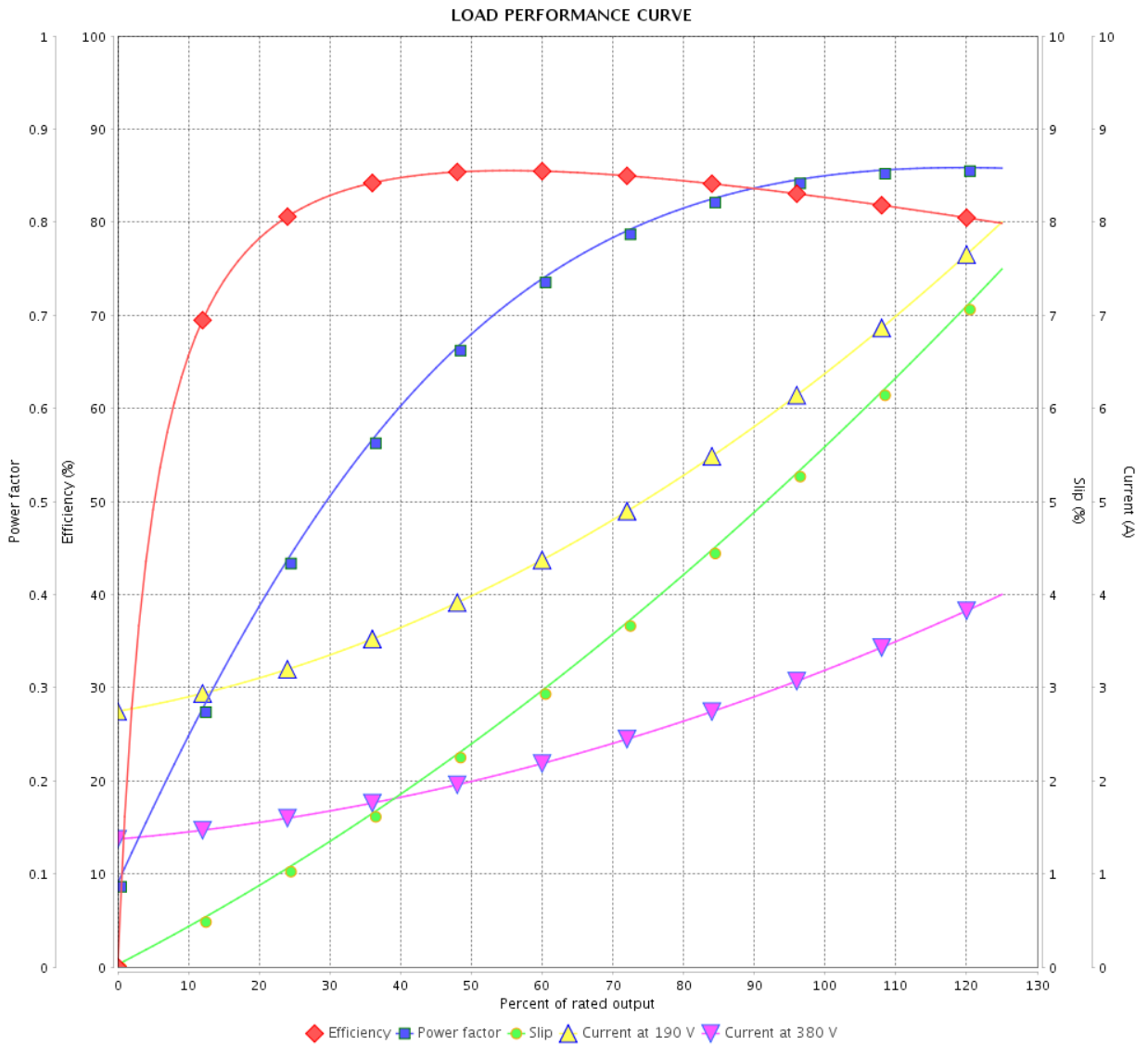
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Premium Efficiency Three-Phase Product code : 13484361



Performance : 190/380 V 50 Hz 4P

Rated current : 6.50/3.25 A
 LRC : 6.0
 Rated torque : 1.03 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 240 %
 Rated speed : 1415 rpm

Moment of inertia (J) : 0.0055 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
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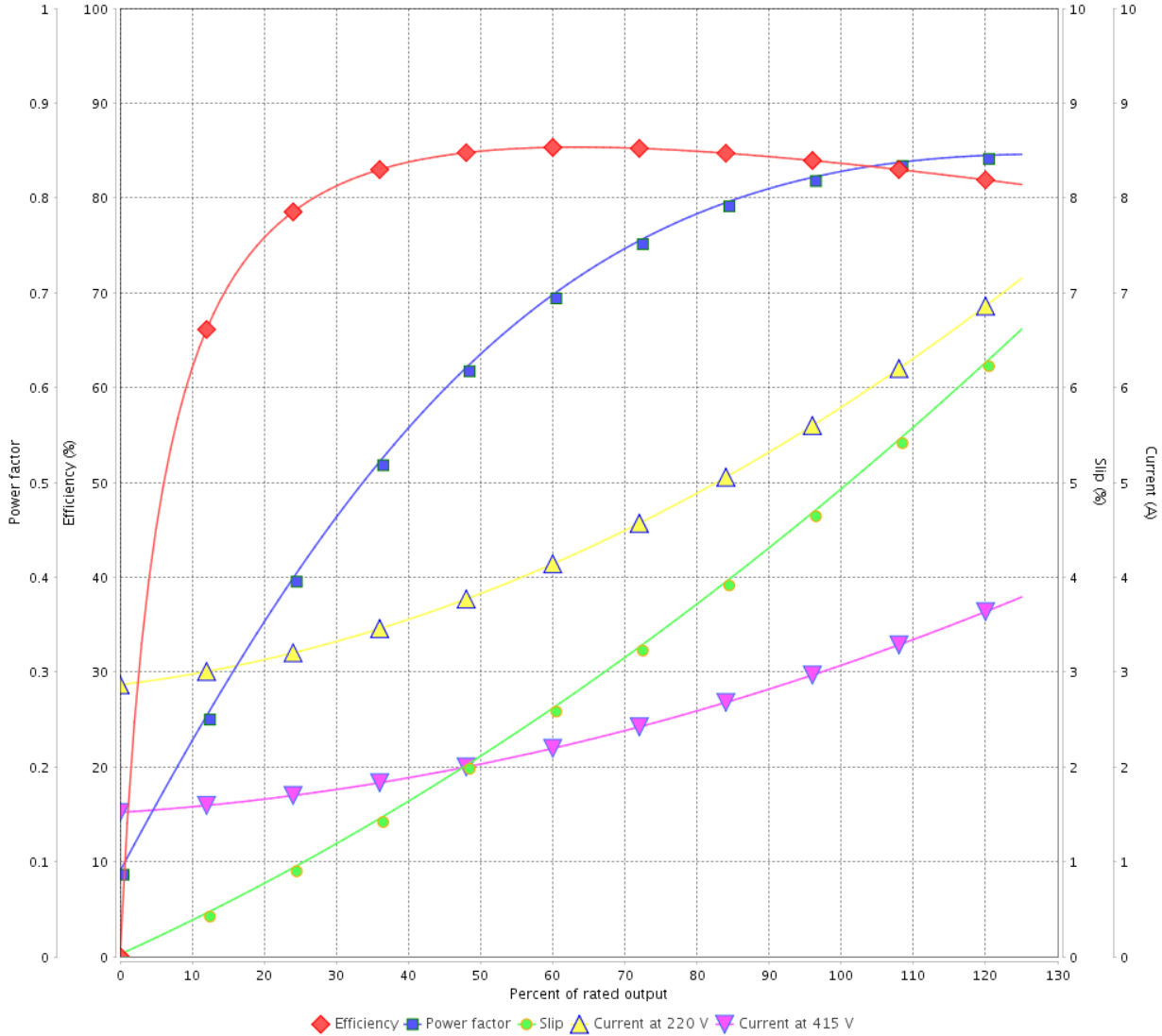
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 13484361

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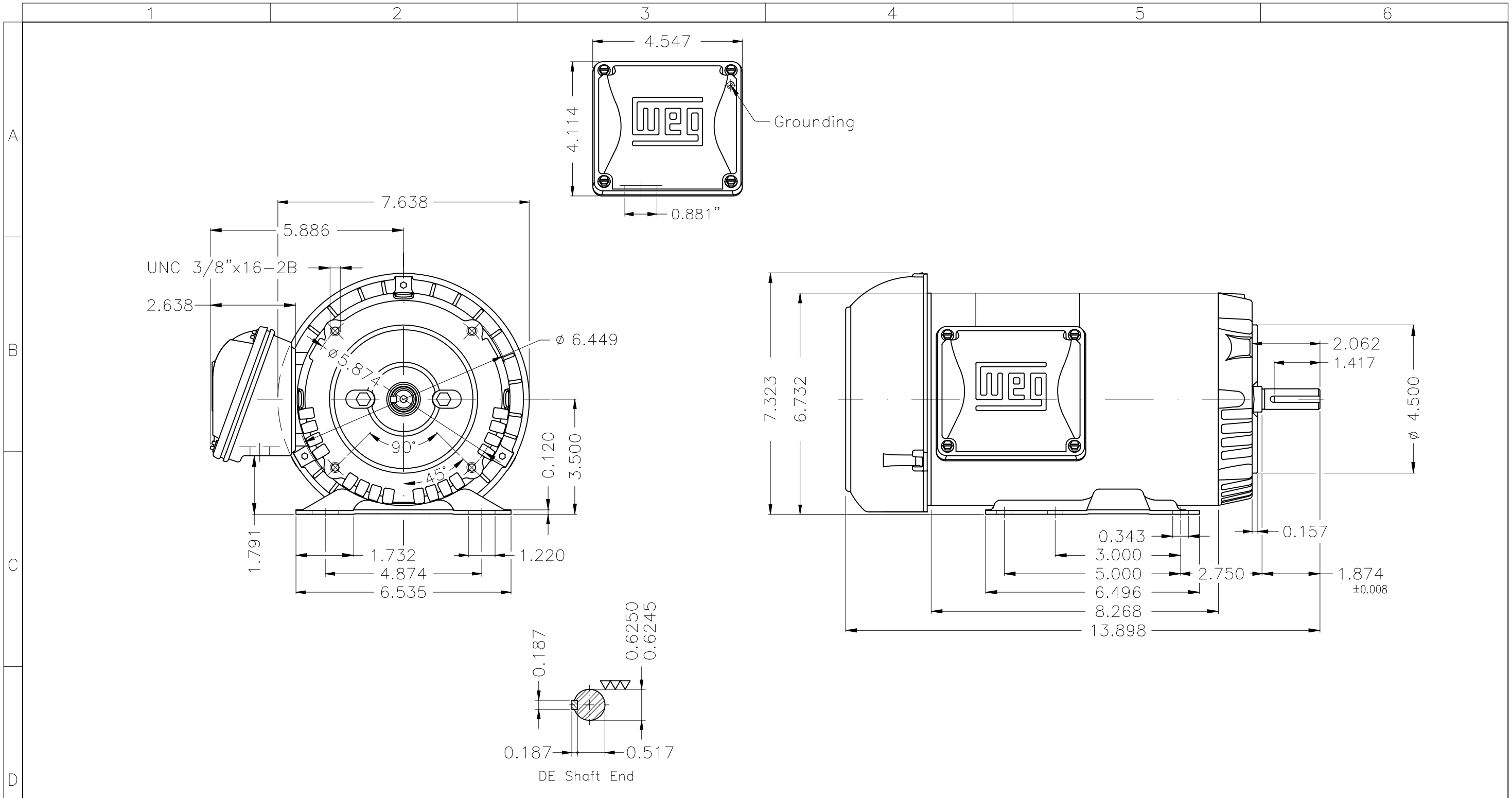


Performance : 220/415 V 50 Hz 4P

Rated current : 5.89/3.12 A
 LRC : 6.7
 Rated torque : 1.02 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 270 %
 Rated speed : 1425 rpm

Moment of inertia (J) : 0.0055 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
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A
B
C
D
E

Dimensions in inches
XME A3

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 PREM. EFF.				
CHECKED		FRAME 56HC IP55 TEFC				
RELEASED						
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET 1 / 1	

2 HP 04 Poles 60 Hz

A

