

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :		
Product line	: Premium Efficiency Three-Phase	
Product code	: 13484287	
Frame	: 56C	
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 ³	: 16.4 kg	
Moment of inertia (J)	: 0.0052 kgm ²	
Output [HP]	1	
Poles	4	
Frequency [Hz]	60	
Rated voltage [V]	230/460	
Rated current [A]	2.94/1.47	
L. R. Amperes [A]	25.3/12.6	
LRC [A]	8.6x(Code M)	
No load current [A]	1.78/0.890	
Rated speed [RPM]	1765	
Slip [%]	1.94	
Rated torque [kgfm]	0.411	
Locked rotor torque [%]	280	
Breakdown torque [%]	300	
Service factor	1.00	
Temperature rise	80 K	
Locked rotor time	34s (cold) 19s (hot)	
Noise level ²	52.0 dB(A)	
Efficiency (%)	25%	81.0
	50%	82.5
	75%	84.0
	100%	85.5
Power Factor	25%	0.30
	50%	0.52
	75%	0.66
	100%	0.75
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 : 40 kgf	
	Max. compression : 56 kgf	
Notes USABLE @208V 3.25A SF 1.00 SFA 3.25A		
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	Date	
11/05/2022		
Page	Revision	
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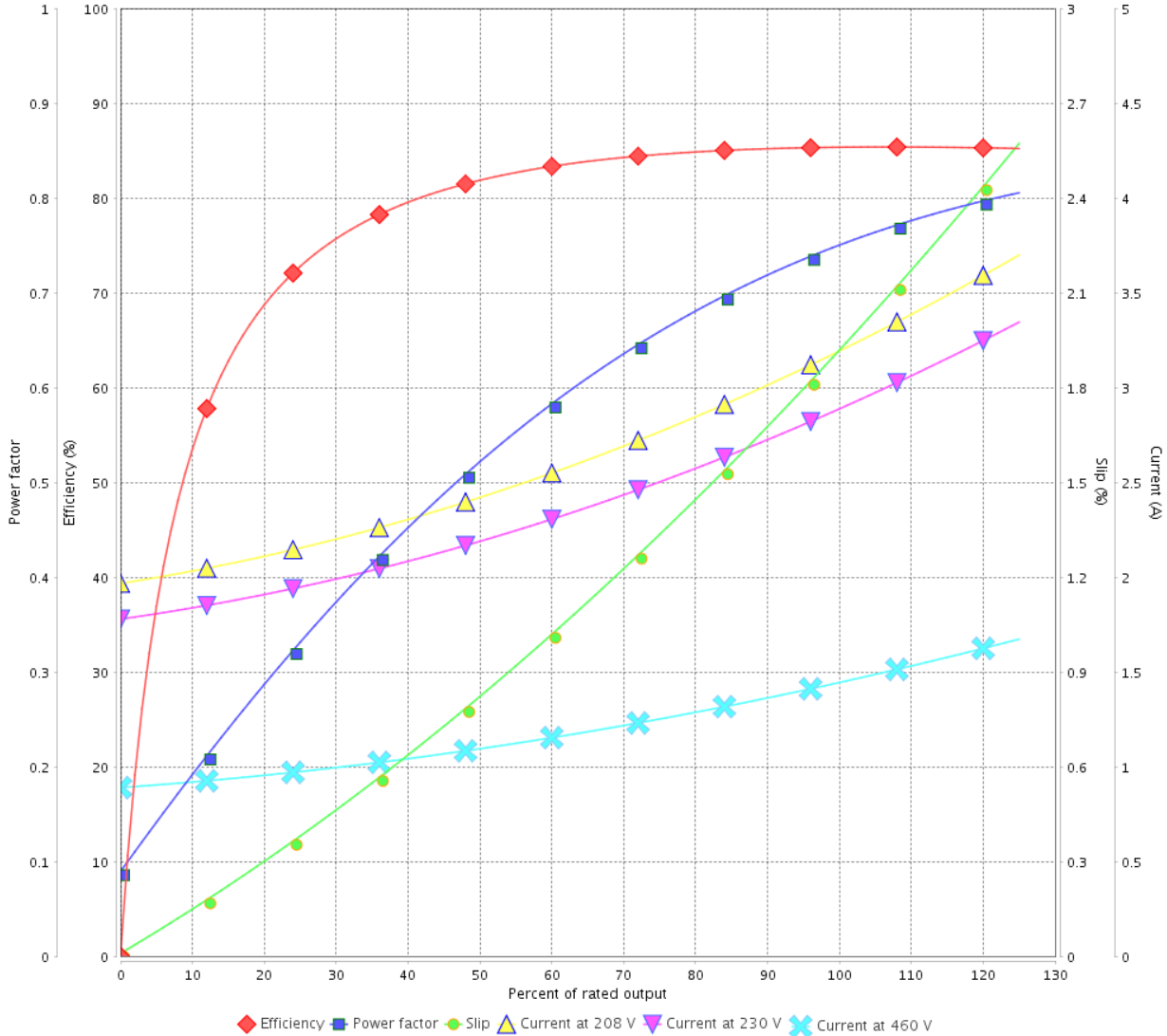
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 13484287

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Performance : 230/460 V 60 Hz 4P

Rated current : 2.94/1.47 A
 LRC : 8.6
 Rated torque : 0.411 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 300 %
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.0052 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : B

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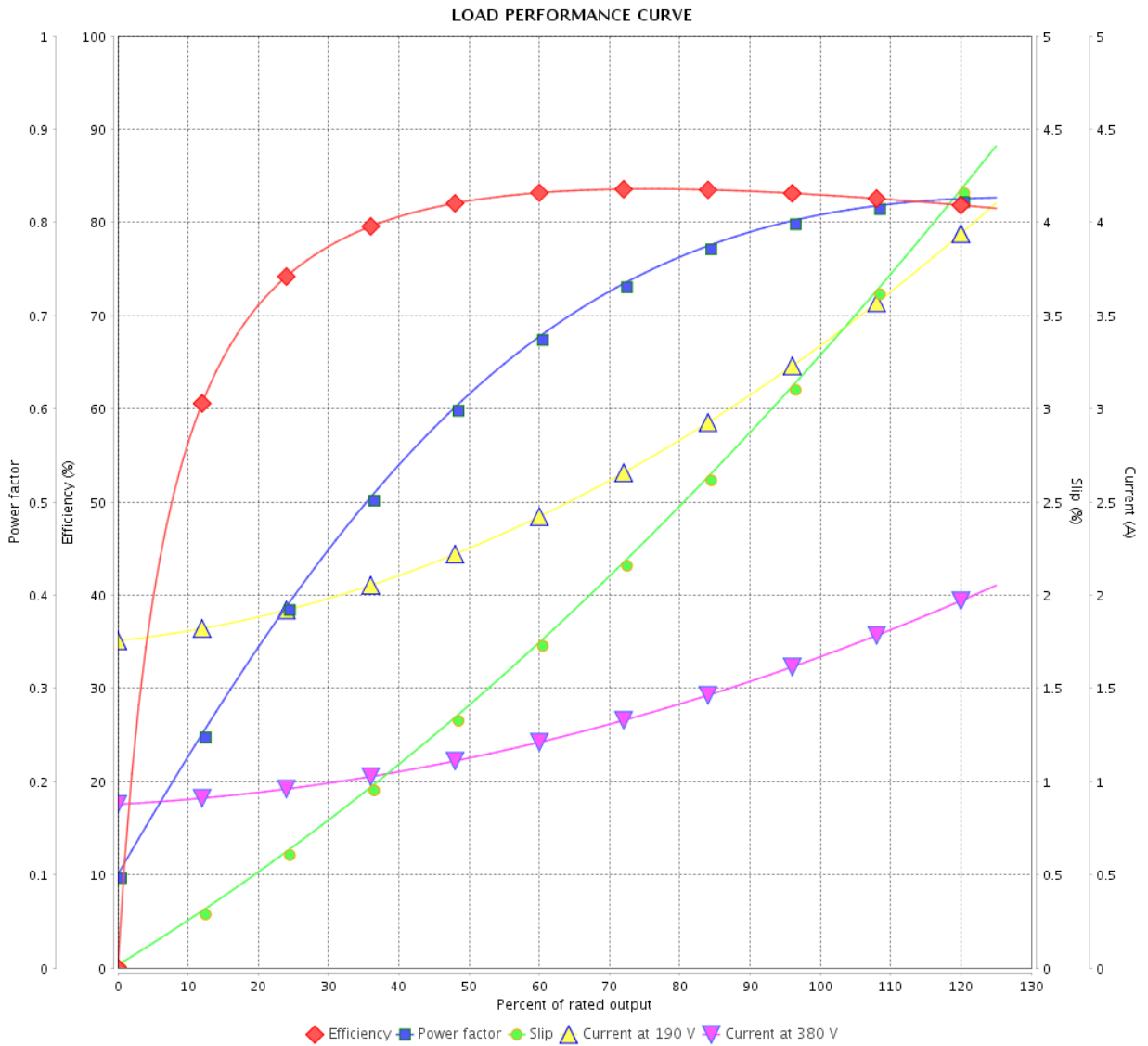
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Premium Efficiency Three-Phase Product code : 13484287



Performance : 190/380 V 50 Hz 4P

Rated current : 3.40/1.70 A
 LRC : 6.5
 Rated torque : 0.501 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 270 %
 Rated speed : 1450 rpm

Moment of inertia (J) : 0.0052 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : B

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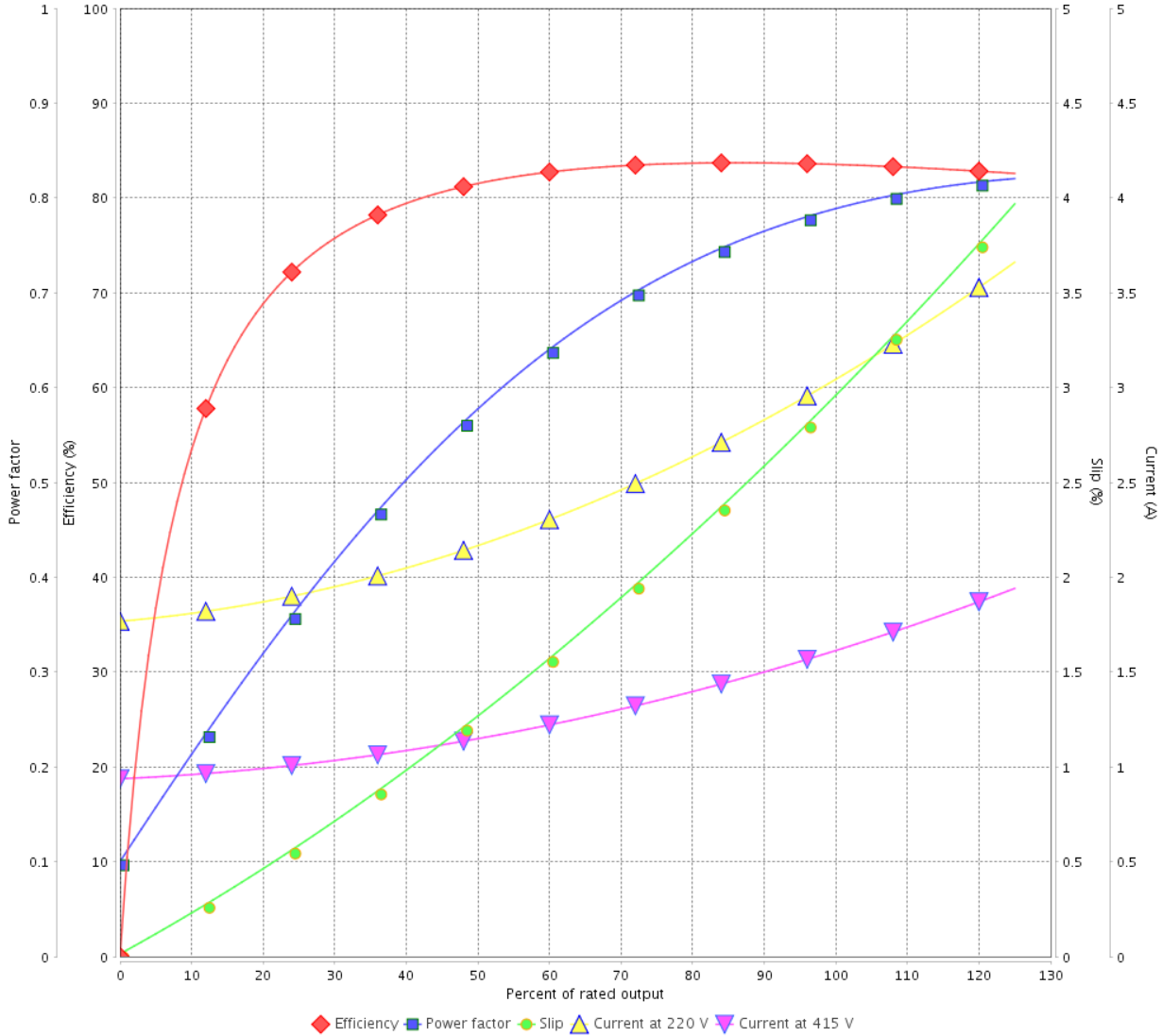
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 13484287

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Performance : 220/415 V 50 Hz 4P

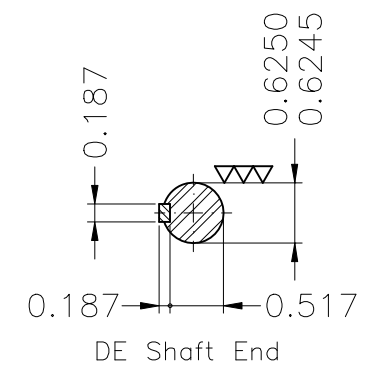
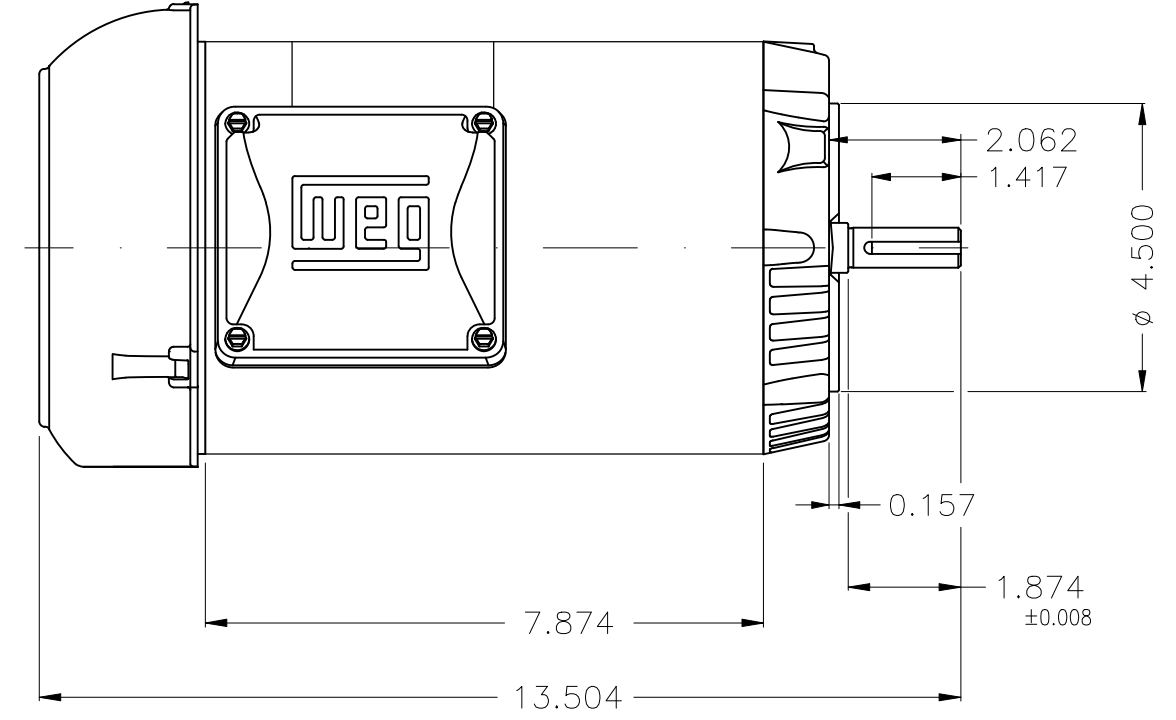
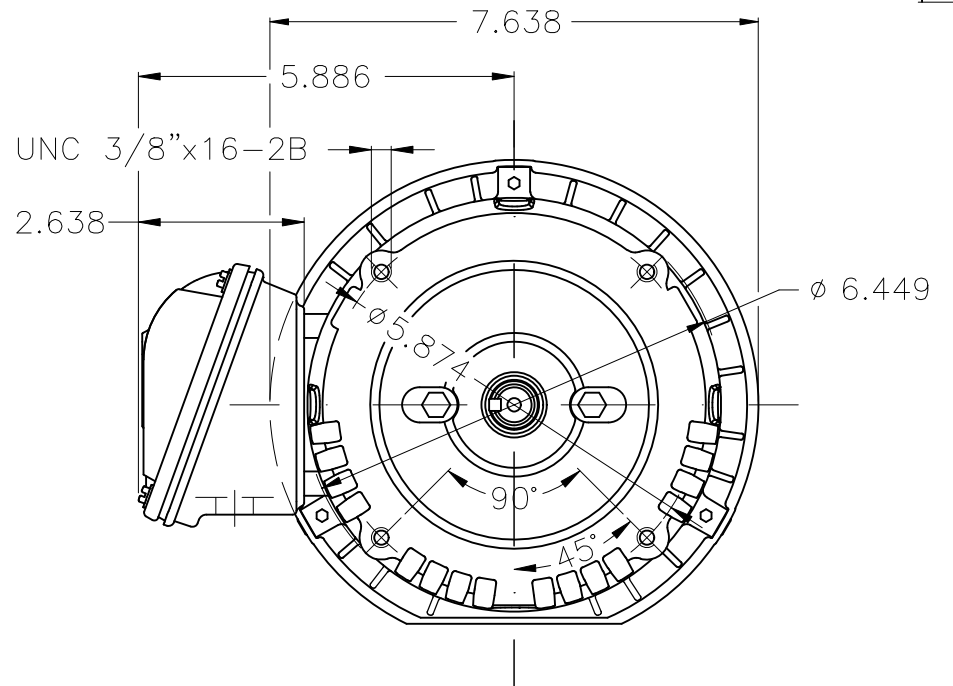
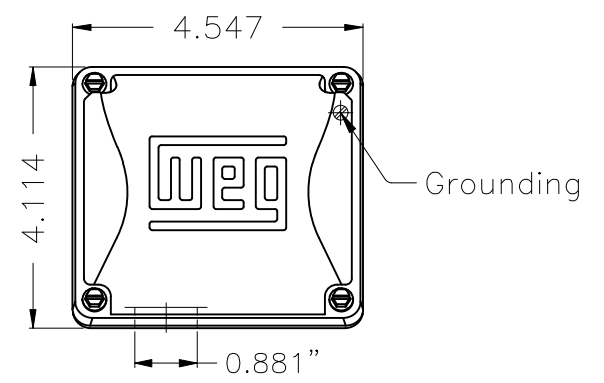
Rated current : 3.09/1.64 A
 LRC : 7.1
 Rated torque : 0.499 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 300 %
 Rated speed : 1455 rpm

Moment of inertia (J) : 0.0052 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
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1 2 3 4 5 6

A
B
C
D
E



Color Munsell N 1 matte black
 Painting plan 207N
 Mounting F-1/B14R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL PREM. EFF.					
CHECKED		FRAME 56C IP55 TEFC					
RELEASED							
REL. DATE	WMO	Jaragua do Sul	Product Engineering				

1 HP 04 Poles 60 Hz

A PREVIEW
 WDD 00
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