

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :	
Product line	: Standard Efficiency Three-Phase
Product code	: 13286641
Frame	: 56
Insulation class	: F
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Cooling method	: IC01 - ODP
Mounting	: F-1
Rotation ¹	: Both (CW and CCW)
Starting method	: Direct On Line
Approx. weight ²	: 9.4 kg
Moment of inertia (J)	: 0.0025 kgm ²
Output [HP]	0.75
Poles	4
Frequency [Hz]	60
Rated voltage [V]	208-230/460
Rated current [A]	2.96-2.68/1.34
L. R. Amperes [A]	18.7-16.9/8.44
LRC [A]	6.3x(Code K)
No load current [A]	1.90-2.20/1.10
Rated speed [RPM]	1755
Slip [%]	2.50
Rated torque [kgfm]	0.310
Locked rotor torque [%]	229
Breakdown torque [%]	300
Service factor	
Temperature rise	80 K
Locked rotor time	23s (cold) 13s (hot)
Noise level ²	52.0 dB(A)
Efficiency (%)	25%
	50%
	75%
	100%
Power Factor	25%
	50%
	75%
	100%
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ
Sealing	: Without Without Bearing Seal Bearing Seal
Lubrication interval	: - -
Lubricant amount	: - -
Lubricant type	: Mobil Polyrex EM
Foundation loads	Max. traction : 28 kgf Max. compression : 37 kgf
Notes USABLE @208V SF 1.00	
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
17/05/2022	
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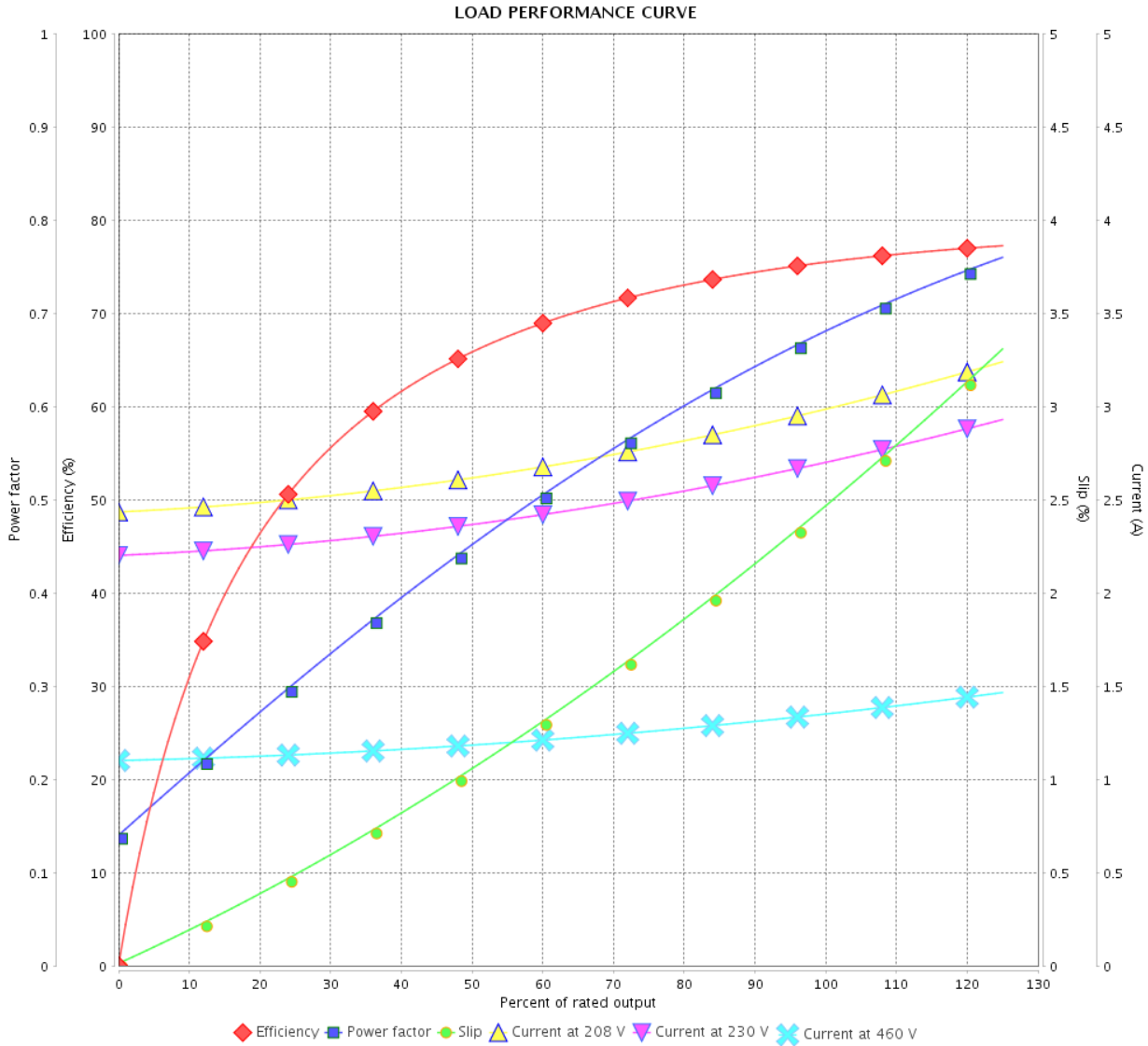
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13286641



Performance : 208-230/460 V 60 Hz 4P

Rated current : 2.96-2.68/1.34 A
 LRC : 6.3
 Rated torque : 0.310 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 300 %
 Rated speed : 1755 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

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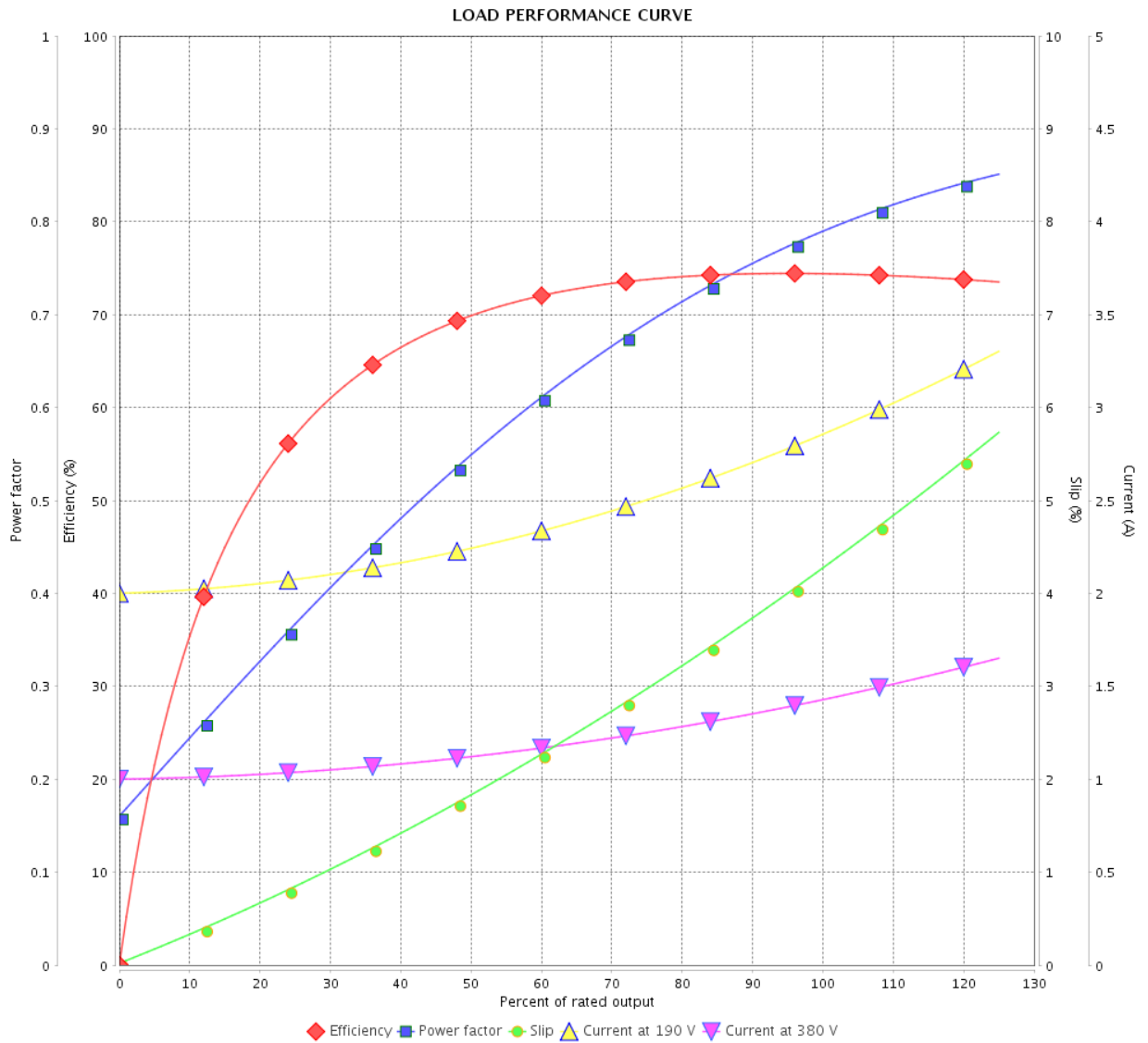
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Standard Efficiency Three-Phase Product code : 13286641



Performance : 190/380 V 50 Hz 4P

Rated current : 2.84/1.42 A
 LRC : 5.2
 Rated torque : 0.379 kgfm
 Locked rotor torque : 160 %
 Breakdown torque : 220 %
 Rated speed : 1435 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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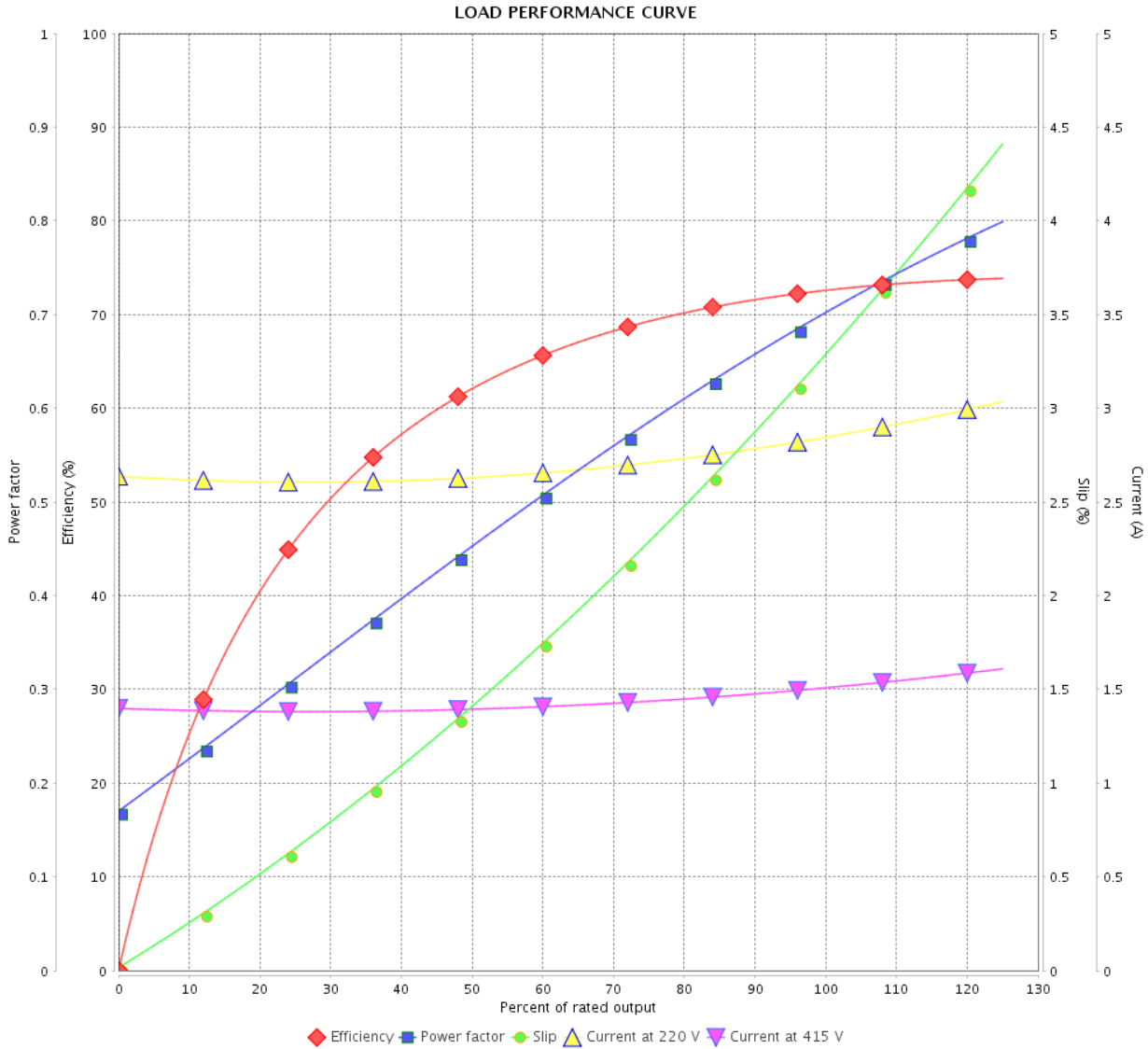
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13286641



Performance : 220/415 V 50 Hz 4P

Rated current : 2.85/1.51 A
 LRC : 5.4
 Rated torque : 0.375 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 270 %
 Rated speed : 1450 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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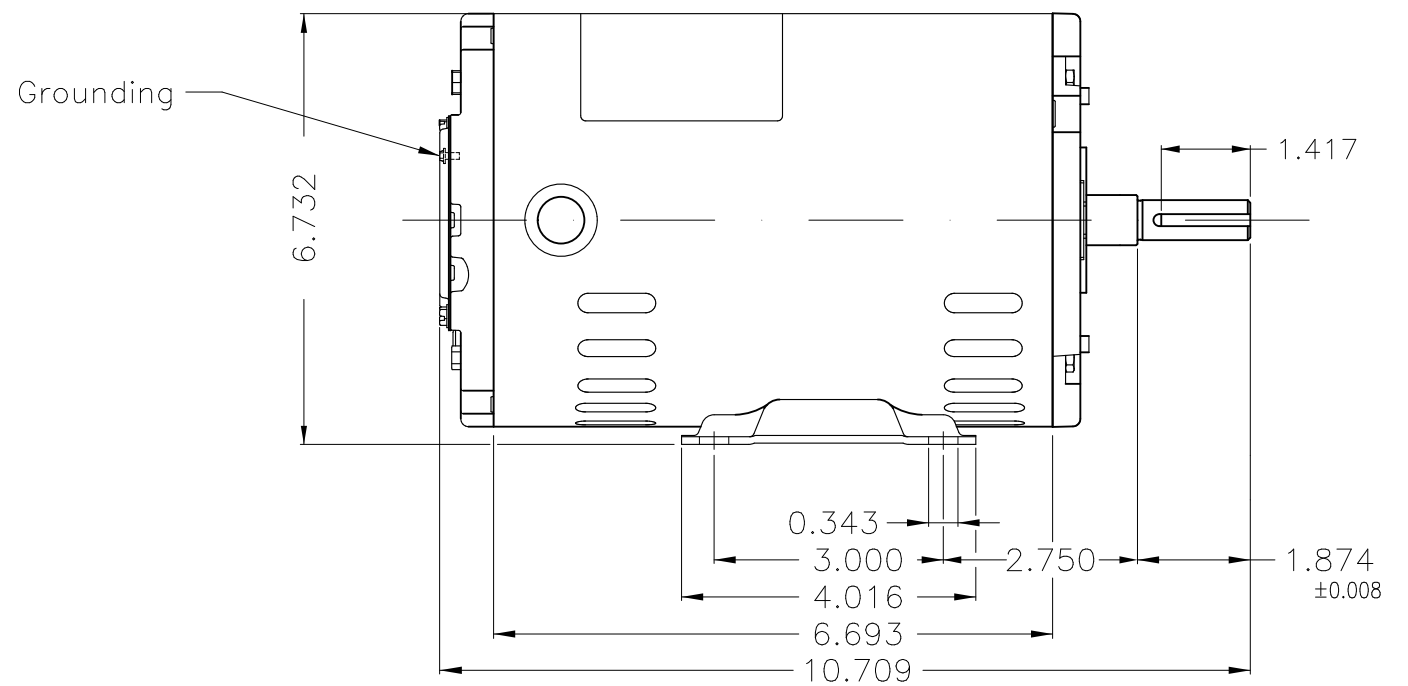
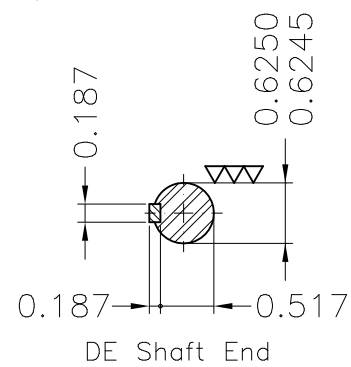
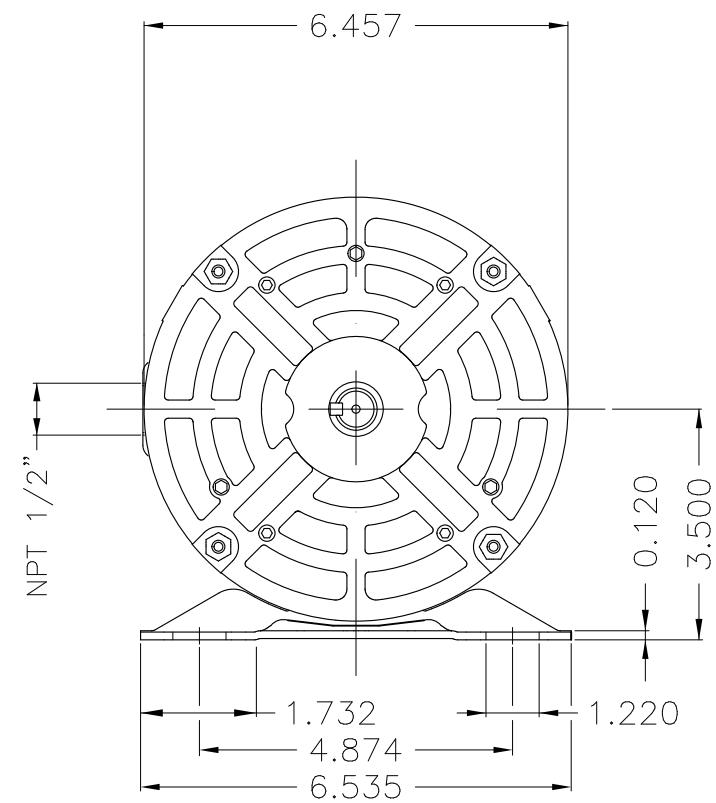
A

B

C

D

E



Color Munsell N 1 matte black
 Painting plan 207N
 Mounting F-1/B3R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL	EXECUTED	CHECKED	RELEASED		
CHECKED		FRAME 56 IP21 ODP					00
RELEASED							

WMO Jaragua do Sul Product Engineering

REL. DATE SHEET 1 / 1

PREVIEW WDD 00

weg

0.75 HP 04 Poles 60 Hz

A