DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Multimounting High Efficiency Three-Phase	Product code :	16122659

Frame	: 63	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: B35L(E)
Duty cycle	: 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]	: 6.0 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0001 kgm²
Design	: N		

Output [HP]		0.25	0.25	0.25
Poles		2	2	2
Frequency [Hz]		50	50	60
Rated voltage [V]		380	415	230/460
Rated current [A]		0.518	0.550	1.01/0.504
L. R. Amperes [A]		2.28	2.42	5.04/2.52
LRC [A]		4.4	4.4	5.0
No load current [A]		0.430	0.540	0.900/0.450
Rated speed [RPM]		2735	2780	3400
Slip [%]		8.83	7.33	5.56
Rated torque [kgfm]		0.066	0.065	0.053
Locked rotor torque [%]		220	270	320
Breakdown torque [%]		229	280	350
Service factor		1.00	1.00	1.15
Temperature rise		80 K	80 K	80 K
Locked rotor time		36s (cold) 20s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)
Noise level[2]		52.0 dB(A)	52.0 dB(A)	56.0 dB(A)
Efficiency (%)	25%			
	50%	60.0	58.0	55.0
	75%	64.0	60.0	62.0
	100%	66.0	65.0	64.0
Power Factor	25%			
	50%	0.58	0.48	0.48
	75%	0.70	0.60	0.60
	100%	0.80	0.70	0.70

		Drive end	Non drive end
Bearing type	:	6201 ZZ	6201 ZZ
Sealing	:	Oil Seal	Oil Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads
Max. traction : 4 kgf
Max. compression : 10 kgf

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	Date

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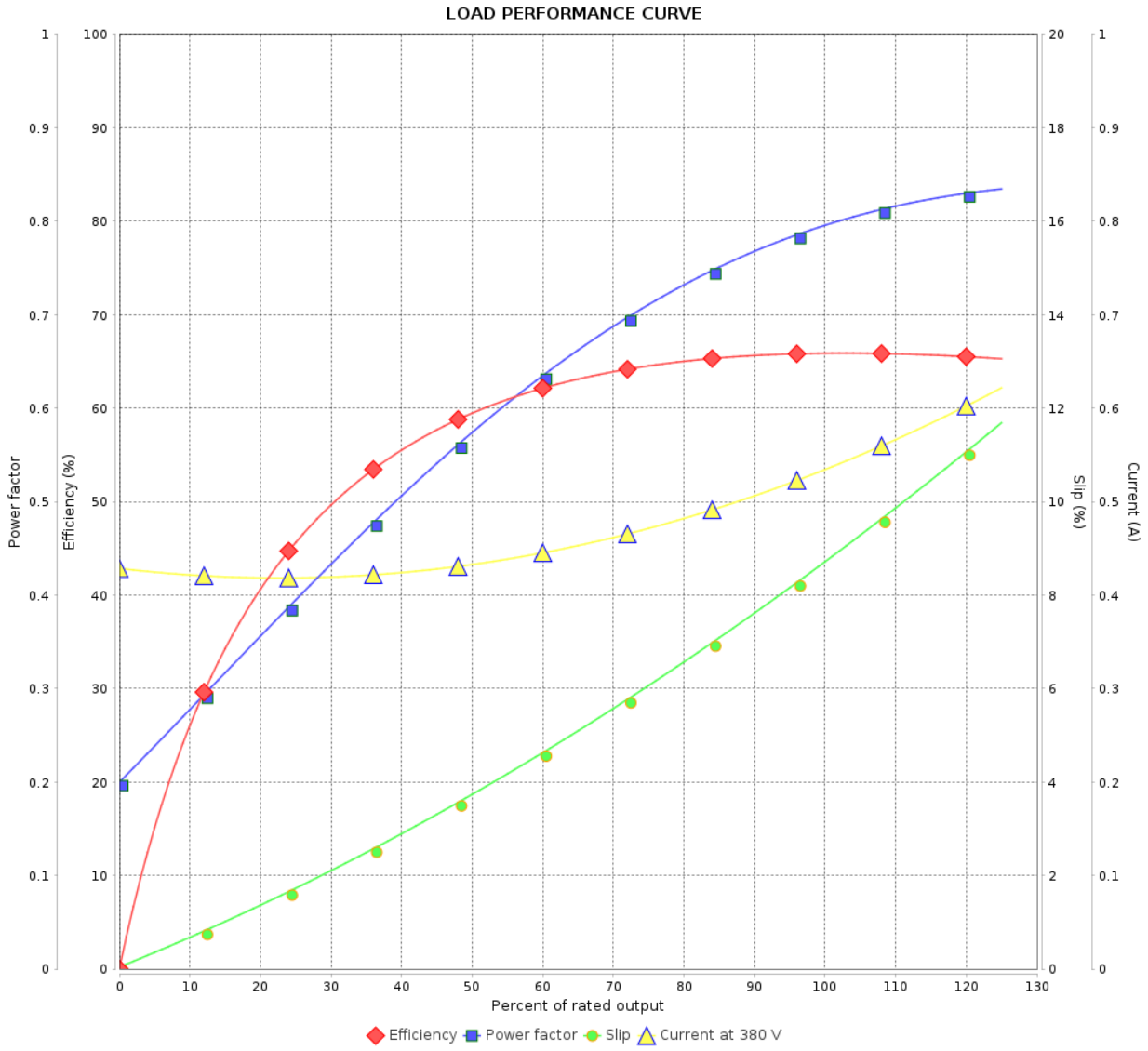
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Multimounting High Efficiency Three-Phase

Product code : 16122659



Performance	: 380 V 50 Hz 2P		
Rated current	: 0.518 A	Moment of inertia (J)	: 0.0001 kgm²
LRC	: 4.4	Duty cycle	: S1
Rated torque	: 0.066 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.00
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 2735 rpm	Design	: N

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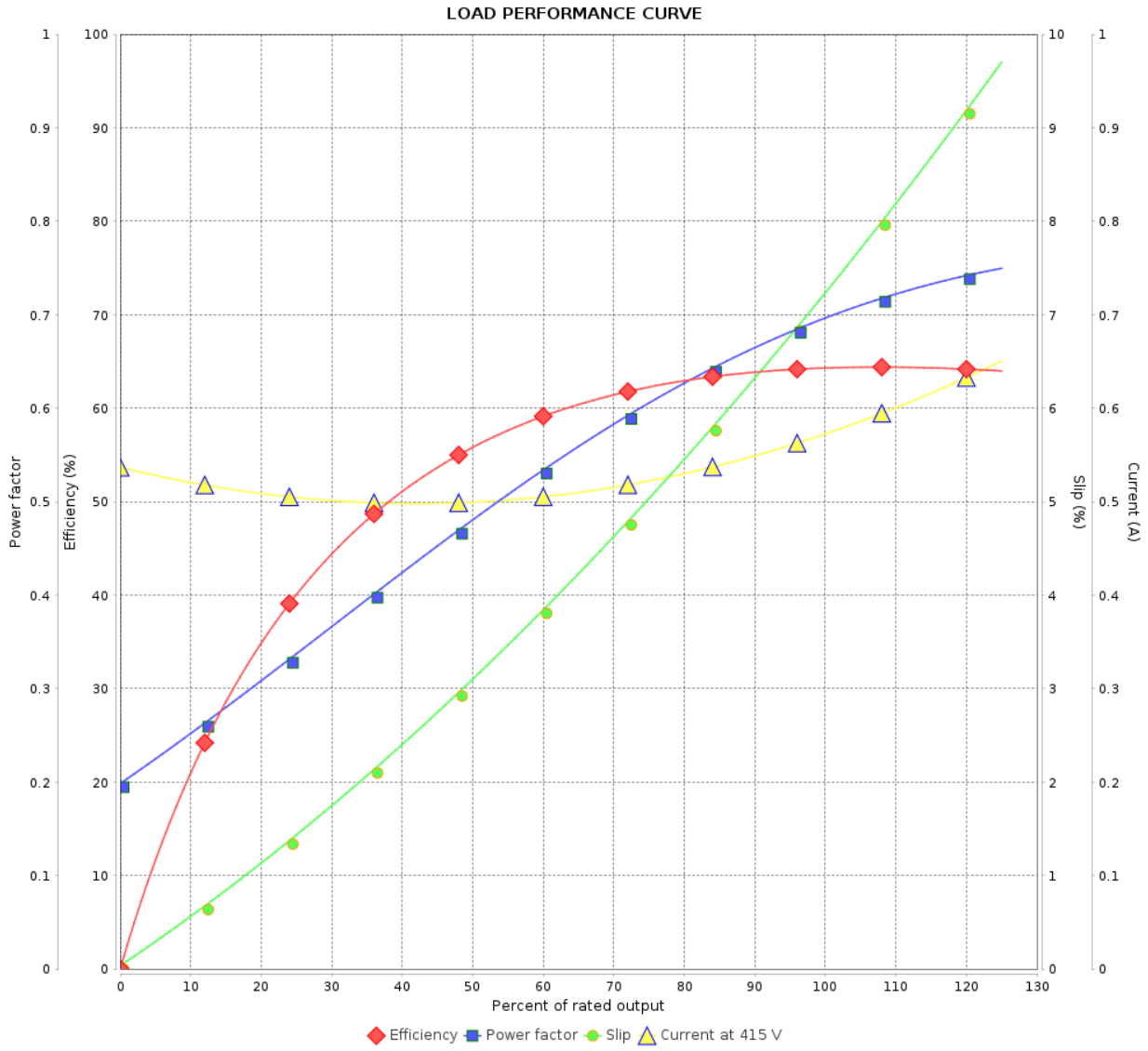
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Multimounting High Efficiency Three-Phase

Product code : 16122659



Performance	: 415 V 50 Hz 2P		
Rated current	: 0.550 A	Moment of inertia (J)	: 0.0001 kgm²
LRC	: 4.4	Duty cycle	: S1
Rated torque	: 0.065 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.00
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 2780 rpm	Design	: N

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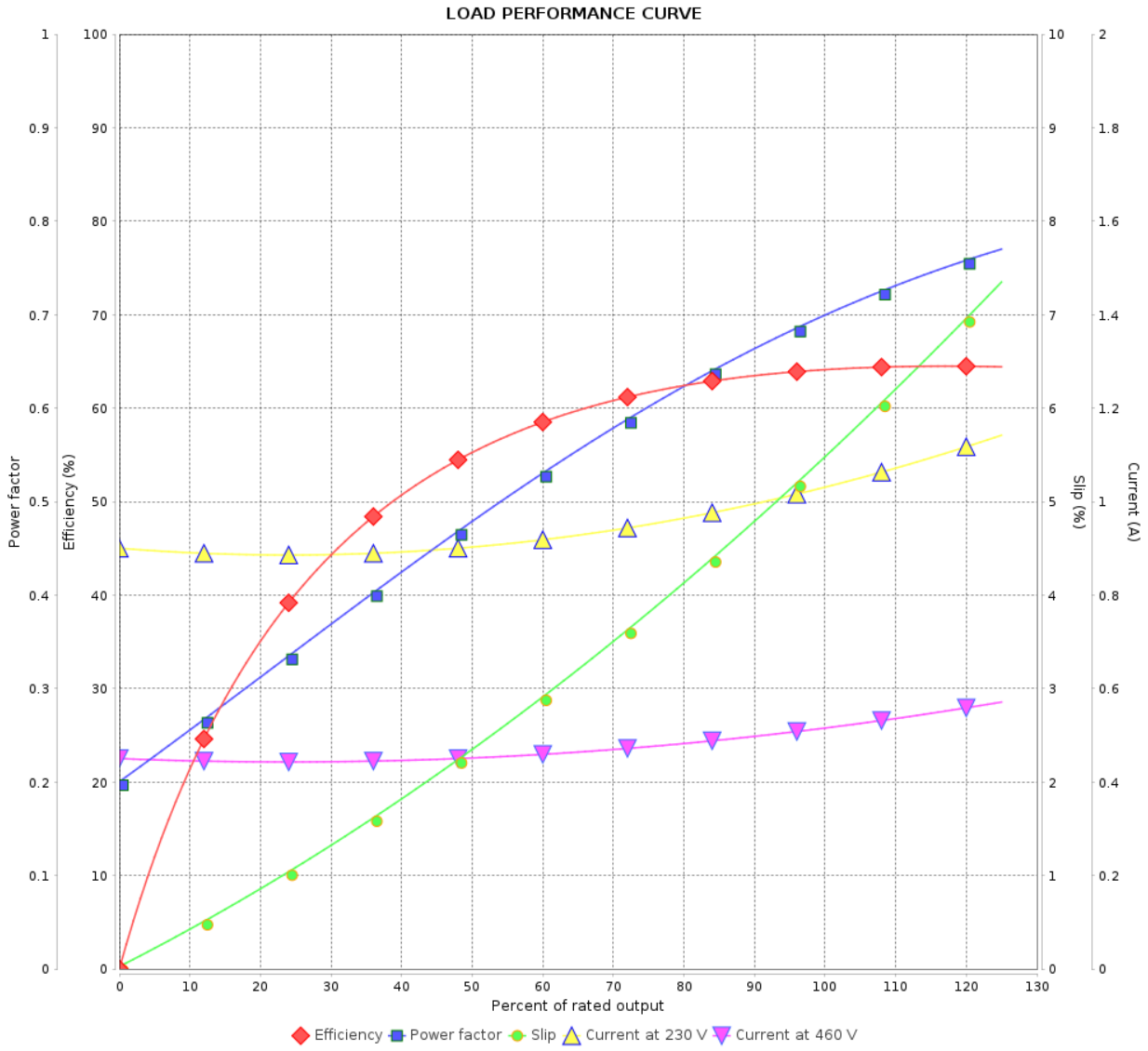
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Three Phase Induction Motor - Squirrel Cage

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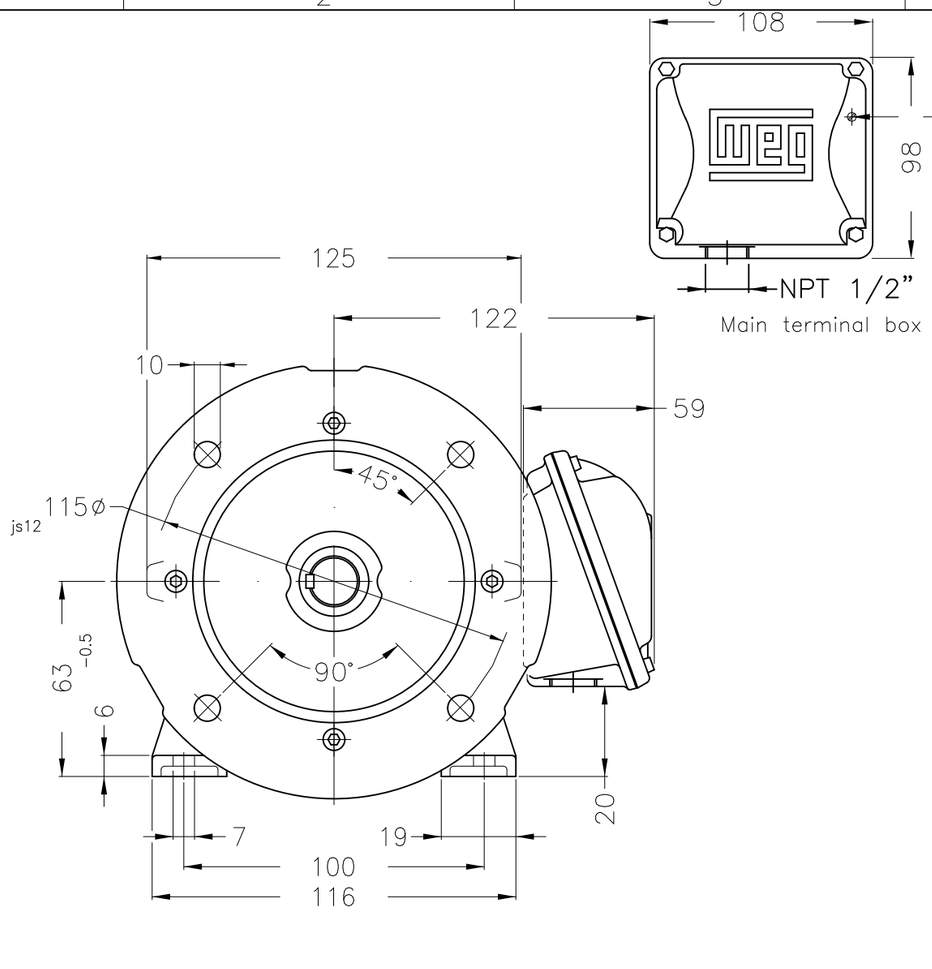


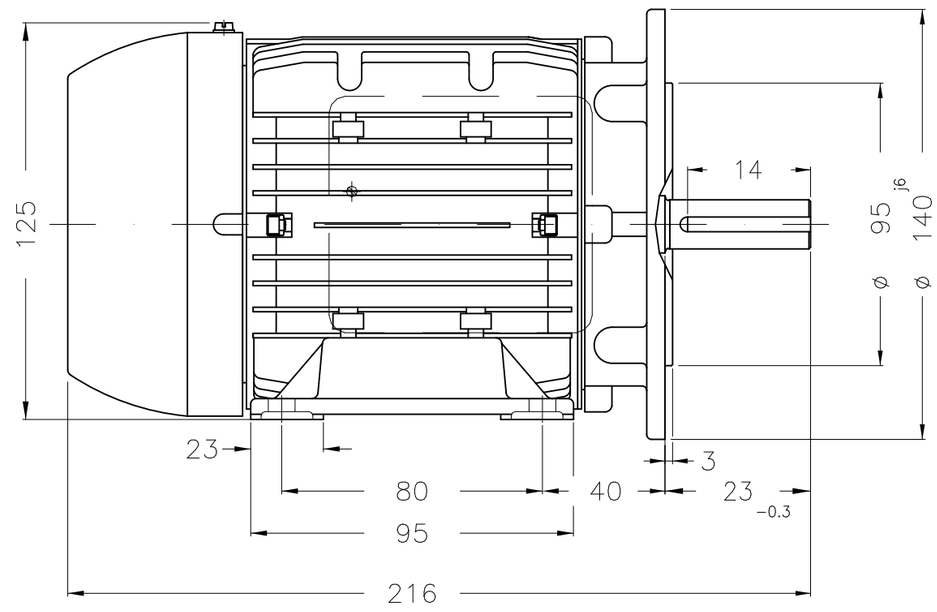
Performance	: 230/460 V 60 Hz 2P		
Rated current	: 1.01/0.504 A	Moment of inertia (J)	: 0.0001 kgm²
LRC	: 5.0	Duty cycle	: S1
Rated torque	: 0.053 kgfm	Insulation class	: F
Locked rotor torque	: 320 %	Service factor	: 1.15
Breakdown torque	: 350 %	Temperature rise	: 80 K
Rated speed	: 3400 rpm	Design	: N

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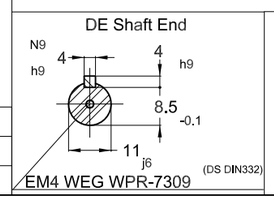
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DE Shaft End



Color RAL 7022

Painting plan 207N

Mounting B35L(E)

0.25 HP 02 Poles 60 Hz | A

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
			HYBRISUSER				00

EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN HIGH EFF.	PREVIEW
CHECKED		FRAME 63 IP55 TEFC	WDD 00
RELEASED			
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET 1 / 1

Dimensions in mm

XME A3

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