DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: NEMA Premium Efficiency Three-Phase	Product code :	12682585

Frame	: 143/5T	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
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]	: 18.4 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0054 kgm²
Design	: B		

Output [HP]		2
Poles		2
Frequency [Hz]		60
Rated voltage [V]		575
Rated current [A]		1.98
L. R. Amperes [A]		19.6
LRC [A]		9.9x(Code L)
No load current [A]		0.850
Rated speed [RPM]		3520
Slip [%]		2.22
Rated torque [kgfm]		0.412
Locked rotor torque [%]		250
Breakdown torque [%]		300
Service factor		1.15
Temperature rise		80 K
Locked rotor time		23s (cold) 13s (hot)
Noise level[2]		68.0 dB(A)
Efficiency (%)	25%	82.1
	50%	82.5
	75%	85.5
	100%	85.5
Power Factor	25%	0.45
	50%	0.73
	75%	0.83
	100%	0.89

		Drive end	Non drive end
Bearing type	:	6205 ZZ	6203 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 26 kgf

Max. compression : 44 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

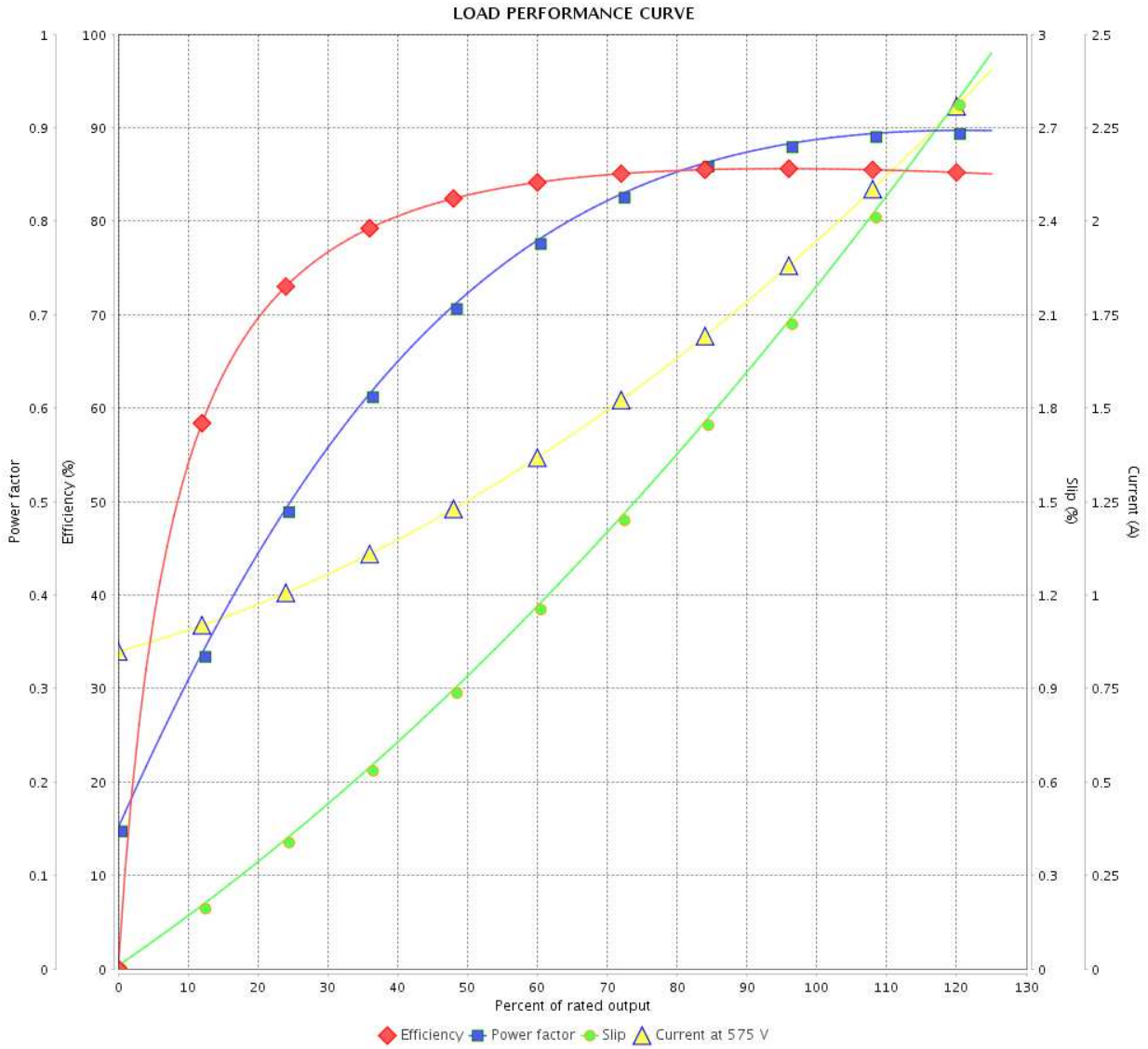
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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Product line	: NEMA Premium Efficiency Three-Phase
Product code :	12682585

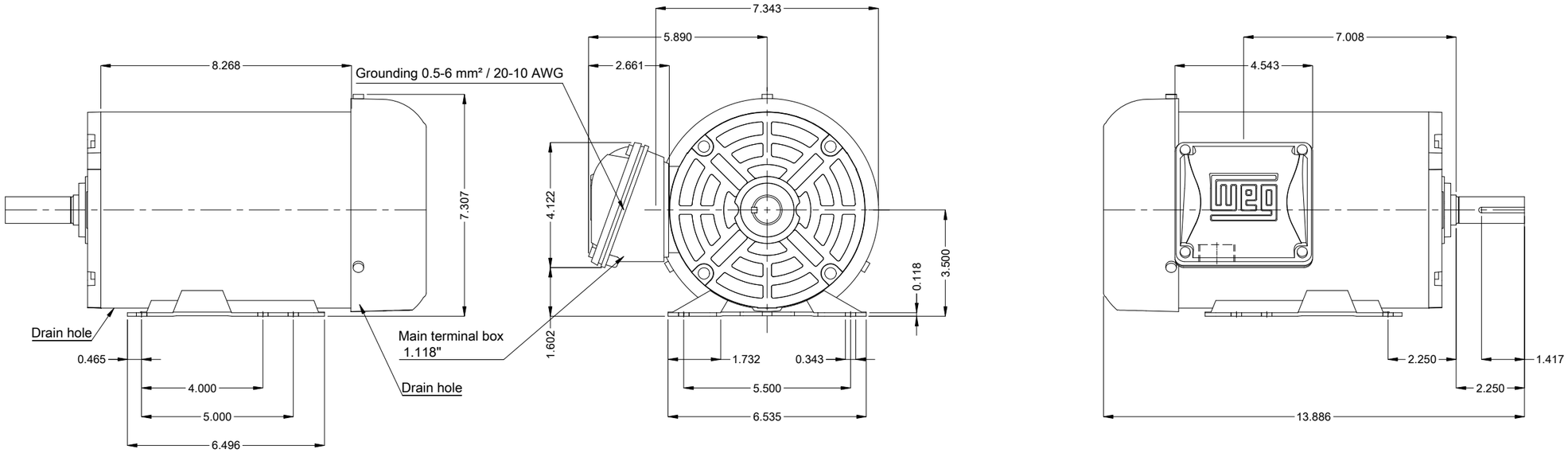


Performance	: 575 V 60 Hz 2P		
Rated current	: 1.98 A	Moment of inertia (J)	: 0.0054 kgm²
LRC	: 9.9	Duty cycle	: Cont.(S1)
Rated torque	: 0.412 kgfm	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3520 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date

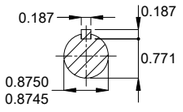
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Fan cover - steel plate	
Color Munsell N 1 matte black	
Painting plan 207N	
Mounting MARKET F-1/B3R(D)	
Mounting F-1/B3R(D)	

DE Shaft End



2 HP 02 Poles 60 Hz

A

Scale 1 : 4

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR ROLLED STEEL NEMA PREM. EFF.
FRAME 143/5T IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

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