DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: 00022 Single-Phase	Product code :	12884005

Frame	: W56	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]	: 9.7 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0020 kgm²
Design	: N		

Output [HP]		0.5
Poles		4
Frequency [Hz]		60
Rated voltage [V]		115/230
Rated current [A]		8.00/4.00
L. R. Amperes [A]		45.6/22.8
LRC [A]		5.7x(Code M)
No load current [A]		6.60/3.30
Rated speed [RPM]		1730
Slip [%]		3.89
Rated torque [kgfm]		0.210
Locked rotor torque [%]		320
Breakdown torque [%]		270
Service factor		1.15
Temperature rise		80 K
Locked rotor time		18s (cold) 10s (hot)
Noise level[2]		52.0 dB(A)
Efficiency (%)	25%	48.5
	50%	52.0
	75%	59.0
	100%	64.0
Power Factor	25%	0.25
	50%	0.44
	75%	0.54
	100%	0.63

		Drive end	Non drive end
Bearing type	:	6203 2RS	6202 2RS
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 13 kgf

Max. compression : 23 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

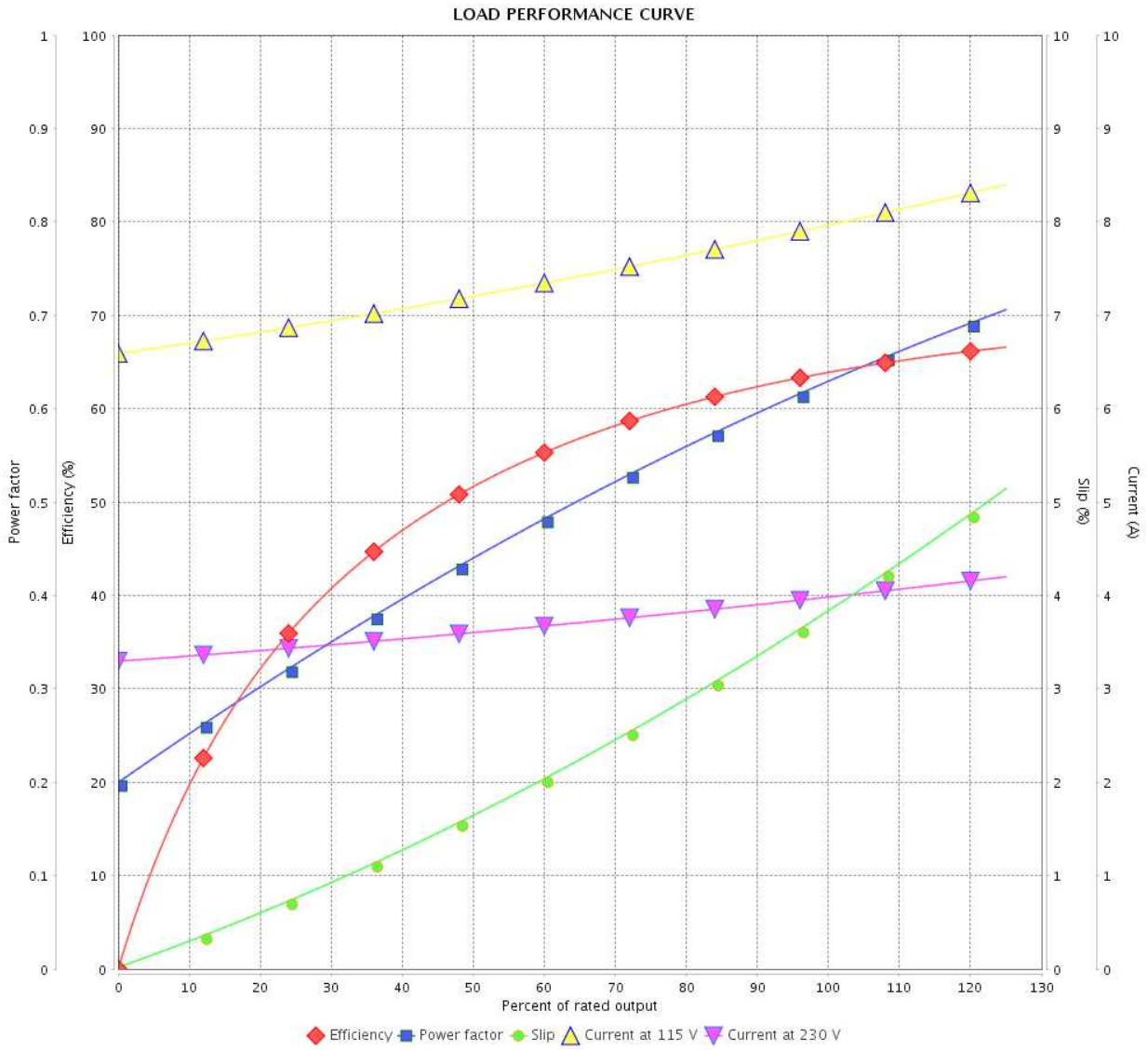
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: 00022 Single-Phase	Product code :	12884005

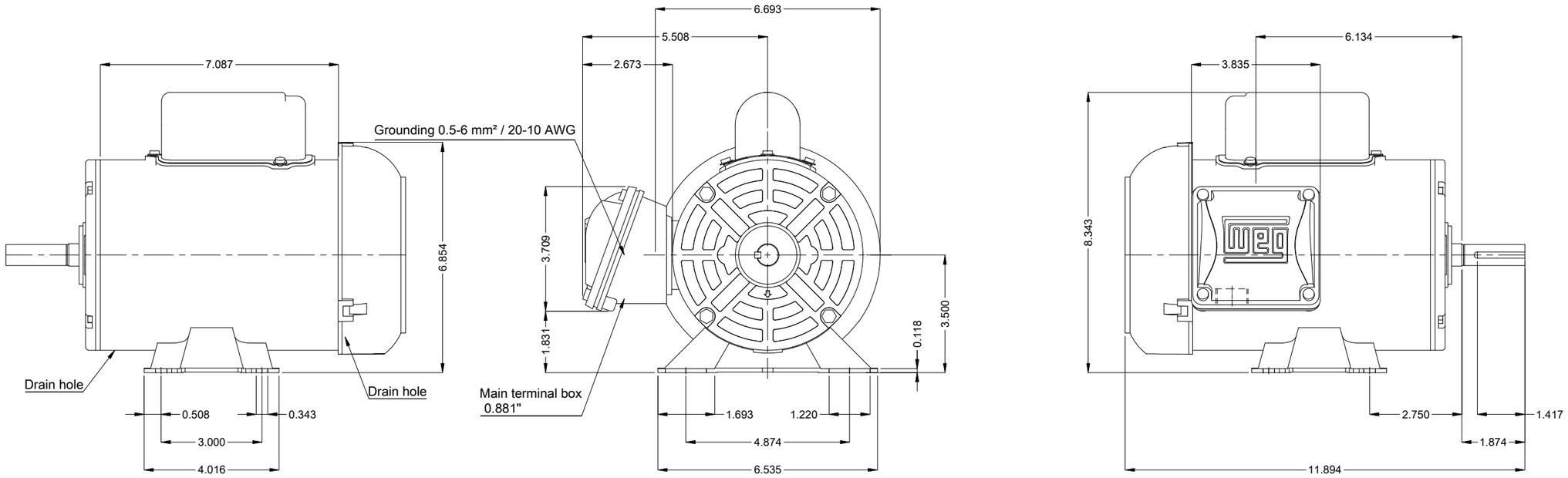


Performance	: 115/230 V 60 Hz 4P		
Rated current	: 8.00/4.00 A	Moment of inertia (J)	: 0.0020 kgm²
LRC	: 5.7	Duty cycle	: Cont.(S1)
Rated torque	: 0.210 kgfm	Insulation class	: F
Locked rotor torque	: 320 %	Service factor	: 1.15
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1730 rpm	Design	: N

Rev.	Changes Summary	Performed	Checked	Date

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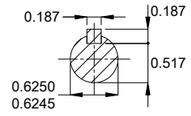


Reinforce the foot with 2 mig welding spots

Mounting MARKET F-1/B3R(D)

Mounting F-1/B3R(D)

DE Shaft End



0.5 HP 04 Poles 60 Hz

A

Scale 2 : 7

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

SINGLE PH. MOTOR ROLLED STEEL FARM DUTY

FRAME W56 IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

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