DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel 00022 Single-Phase Product code : 19226131

Frame	: W56C	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 115/230 V	Ambient temperature	: -20°C to +40°C
Poles	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 8.00/4.00 A	Protection degree	: IP55
	: 5.7x(Code M)	Cooling method	: IC411 - TEFC
Rated speed	: 1730 rpm	Mounting	: F-1
Rated torque	: 0.210 kgfm	Rotation[1]	: Both (CW and CCW)
Insulation class	: F	Noise level[2]	: 52.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0020 kgm²	Approx. weight[3]	: 0.0 kg
Design	: N		

Output	50%	75%	100%
Efficiency (%)	52.0	59.0	64.0
Power Factor	0.44	0.54	0.63

Foundation loads

Max. traction	: 13 kgf
Max. compression	: 22 kgf

		Drive end	Non drive end
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

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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Date	26/03/2026		1 / 2	

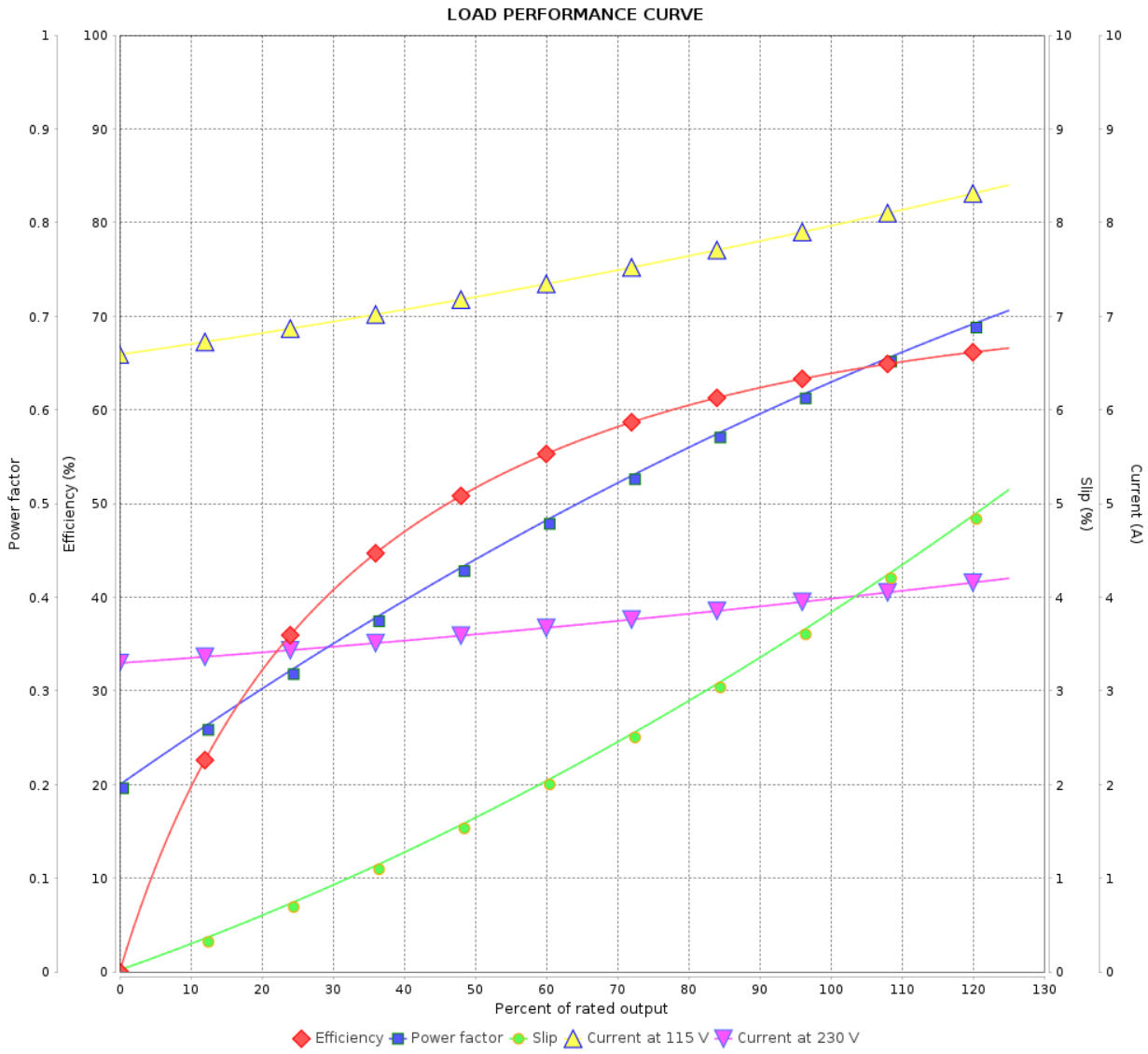
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer :

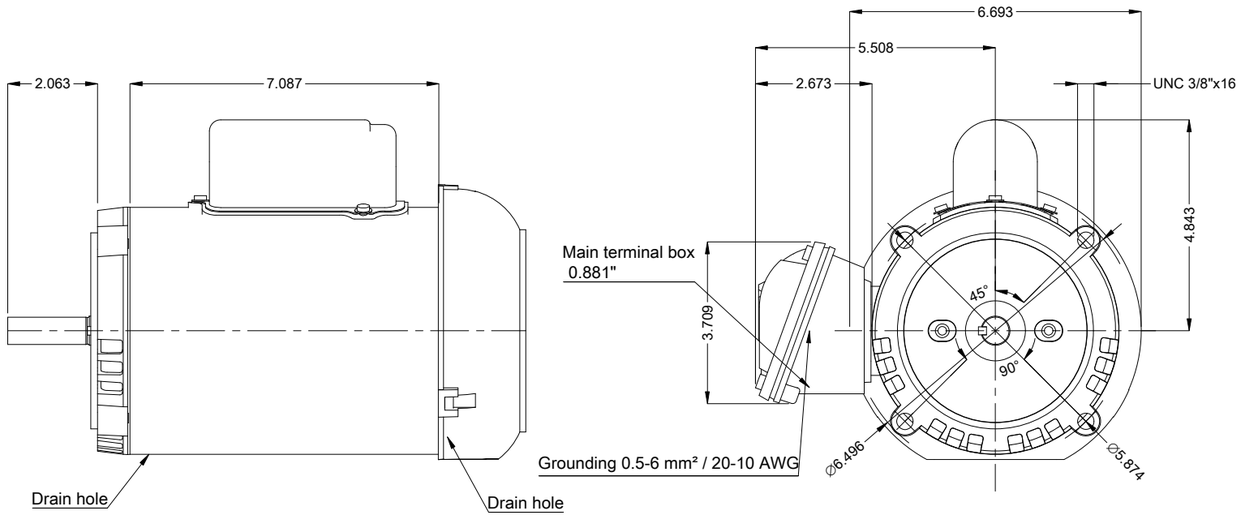
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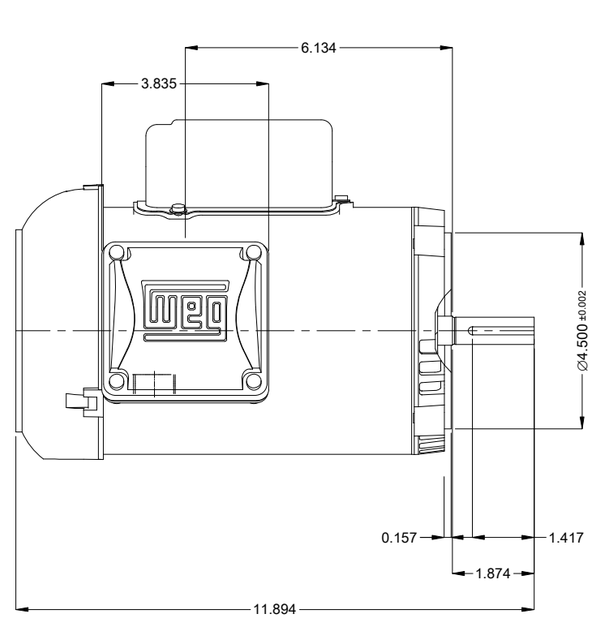


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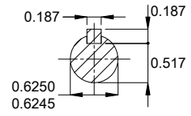
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NDE-bearing with double shield-ZZ
DE-bearing with double shield-ZZ
Mounting MARKET F-1/B14R(D)
Mounting F-1/B14R(D)

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	SINGLE PH. MOTOR ROLLED STEEL FARM DUTY	PREVIEW
CHECKED		FRAME W56C IP55 TEFC	WDD 00
RELEASED			SHEET 1 / 1
REL. DATE			

Dimensions in inches

A3

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