DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Single-Phase	Product code :	14206514

Frame	: W56	Cooling method	: IC01 - ODP
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]	: 10.4 kg
Design	: N	Moment of inertia (J)	: 0.0012 kgm²

Output [HP]		0.75
Poles		2
Frequency [Hz]		60
Rated voltage [V]		115/208-230
Rated current [A]		9.64/5.33-4.82
L. R. Amperes [A]		77.1/42.6-38.6
LRC [A]		8.0x(Code L)
No load current [A]		6.80/2.93-3.40
Rated speed [RPM]		3500
Slip [%]		2.78
Rated torque [kgfm]		0.156
Locked rotor torque [%]		260
Breakdown torque [%]		300
Service factor		
Temperature rise		80 K
Locked rotor time		10s (cold) 6s (hot)
Noise level[2]		56.0 dB(A)
Efficiency (%)	25%	
	50%	56.0
	75%	63.0
	100%	67.0
Power Factor	25%	
	50%	0.54
	75%	0.66
	100%	0.74

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

Foundation loads

Max. traction : 9 kgf

Max. compression : 20 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.

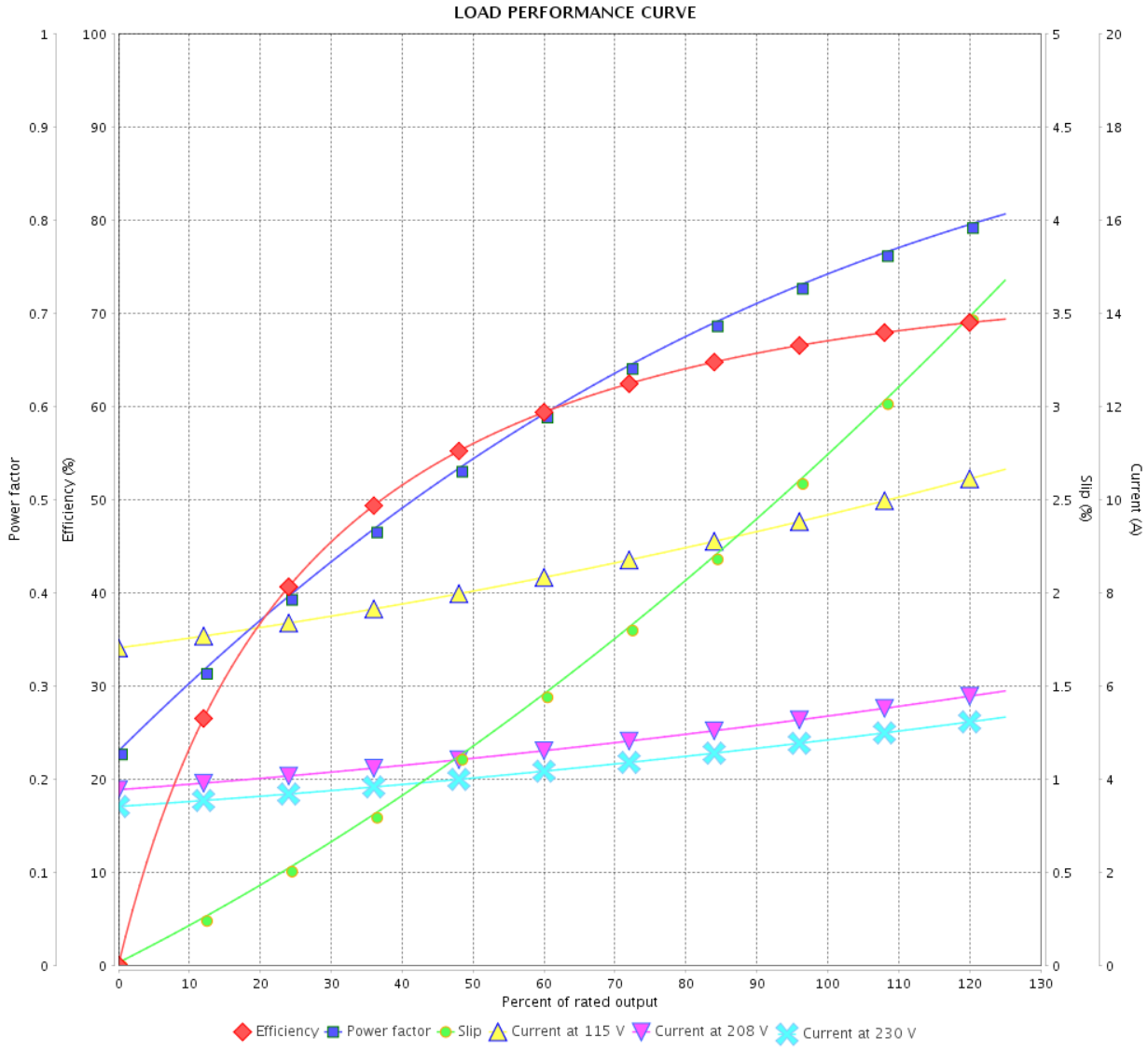
Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	17/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

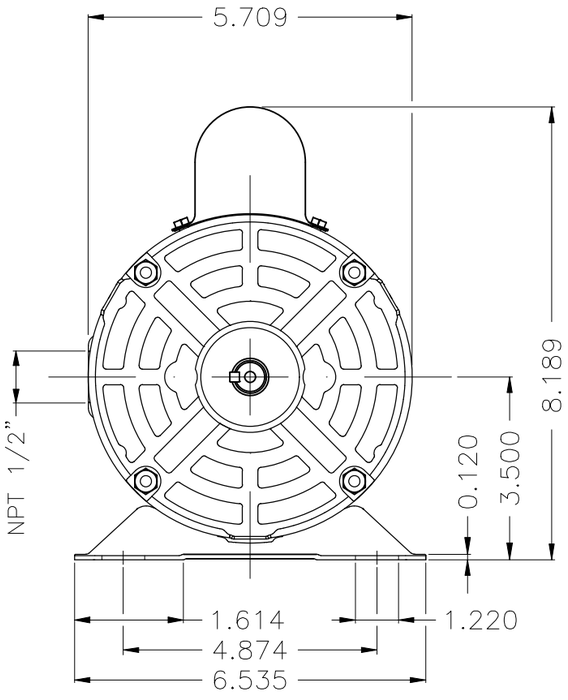
Customer	:		
Product line	: Single-Phase	Product code :	14206514

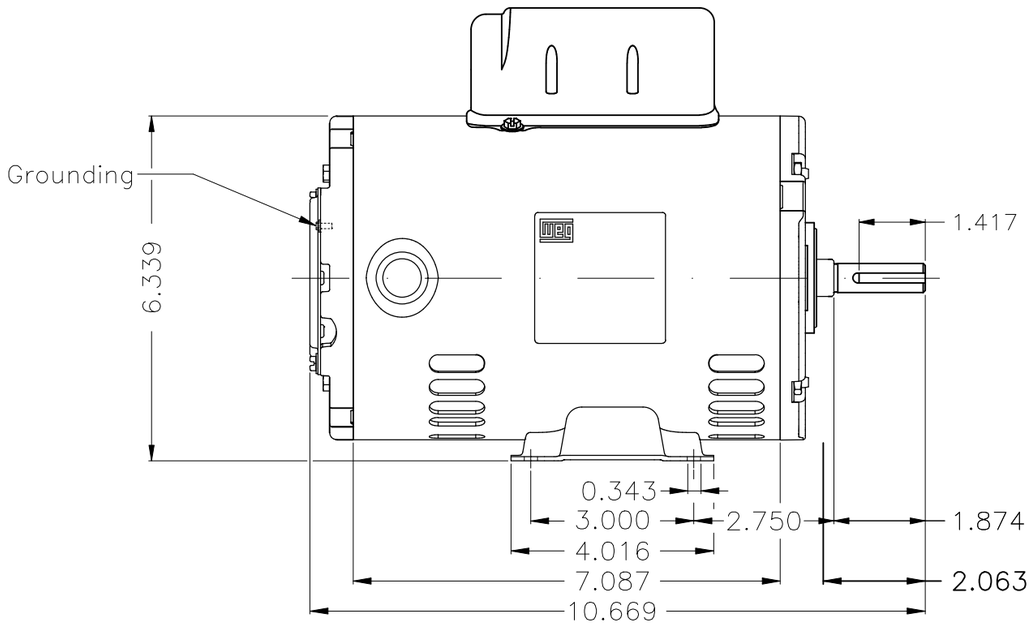


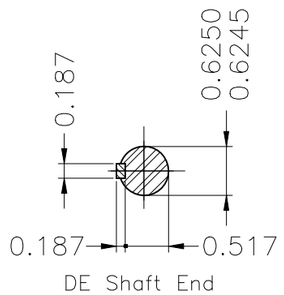
Performance	: 115/208-230 V 60 Hz 2P		
Rated current	: 9.64/5.33-4.82 A	Moment of inertia (J)	: 0.0012 kgm²
LRC	: 8.0	Duty cycle	: Cont.(S1)
Rated torque	: 0.156 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	:
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm	Design	: N

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	17/05/2022		2 / 2	







Color Munsell N 1 matte black

Painting plan 207N

Mounting F-1/B3R(D)

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

EXECUTED	HYBRISUSER	SINGLE PH. MOTOR ROLLED STEEL	PREVIEW
CHECKED		FRAME W56 IP21 ODP	WDD 00
RELEASED			
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET 1 / 1

0.75 HP 02 Poles 60 Hz

A

Dimensions in inches

XME A3