DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Compressor Duty Single-Phase Product code : 10698252

Frame	: F56H	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 29.4/16.2-14.7 A	Protection degree	: IP21
L. R. Amperes	: 176/97.2-88.2 A	Cooling method	: IC01 - ODP
LRC	: 6.0x(Code H)	Mounting	: F-1
No load current	: 13.0/5.60-6.50 A	Rotation¹	: Both (CW and CCW)
Rated speed	: 3440 rpm	Starting method	: Direct On Line
Slip	: 4.44 %	Approx. weight³	: 19.3 kg
Rated torque	: 0.633 kgfm		
Locked rotor torque	: 180 %		
Breakdown torque	: 190 %		
Insulation class	: B		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0028 kgm²		

Output	50%	75%	100%
Efficiency (%)	76.0	77.0	77.0
Power Factor	0.70	0.80	0.86

Foundation loads

Max. traction	: 29 kgf
Max. compression	: 48 kgf

		Drive end	Non drive end
Bearing type	:	6204 ZZ	6203 ZZ
Sealing	:	Without Bearing Seal	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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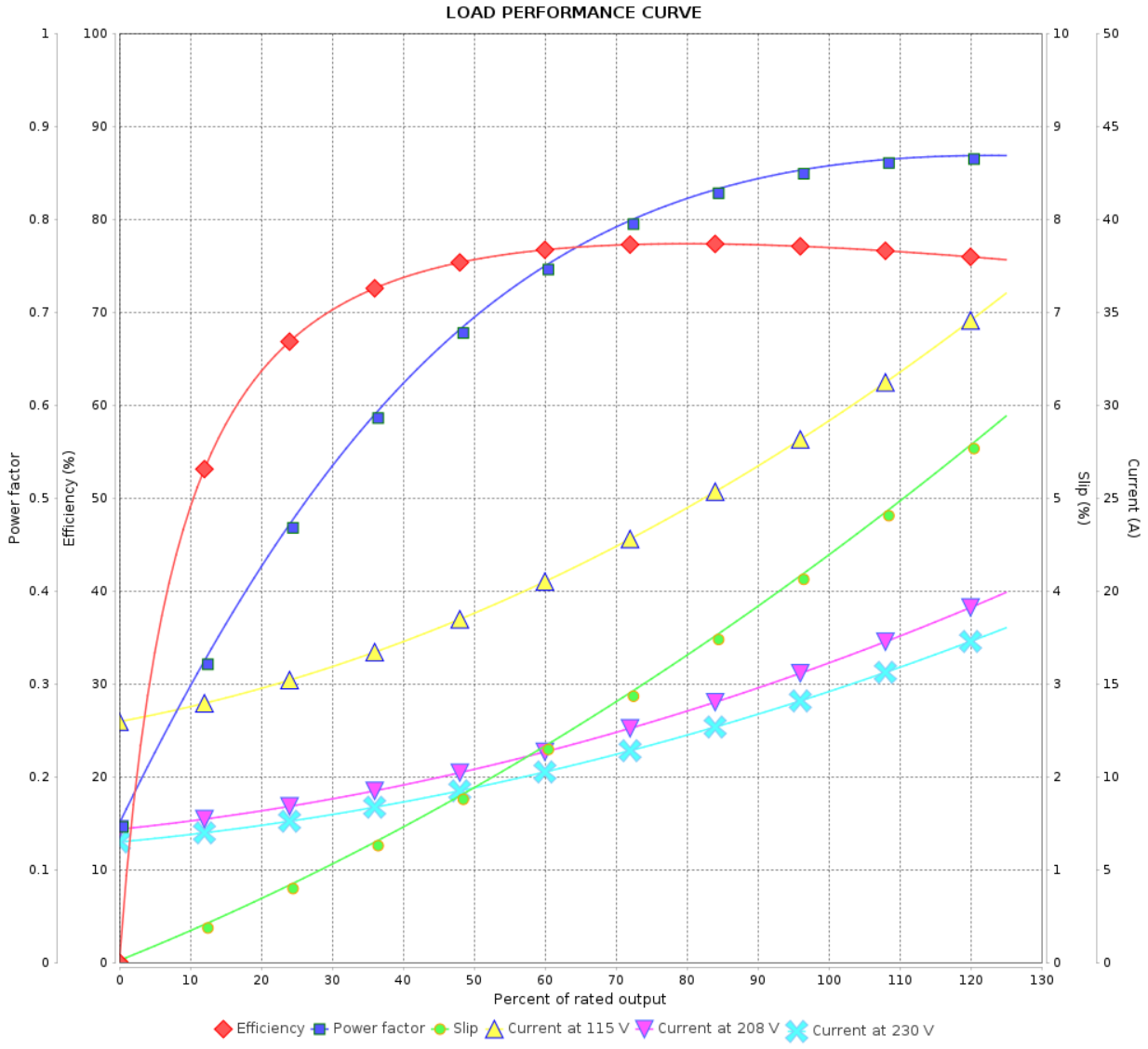
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Compressor Duty Single-Phase Product code : 10698252



Performance	: 115/208-230 V 60 Hz 2P		
Rated current	: 29.4/16.2-14.7 A	Moment of inertia (J)	: 0.0028 kgm²
LRC	: 6.0	Duty cycle	: Cont.(S1)
Rated torque	: 0.633 kgfm	Insulation class	: B
Locked rotor torque	: 180 %	Service factor	:
Breakdown torque	: 190 %	Temperature rise	: 80 K
Rated speed	: 3440 rpm		

Rev.	Changes Summary	Performed	Checked	Date

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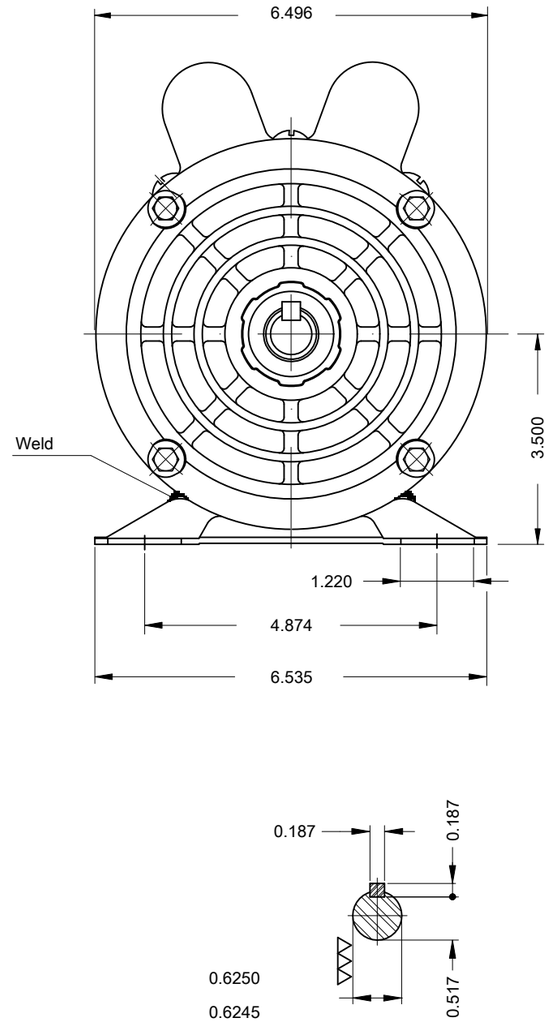

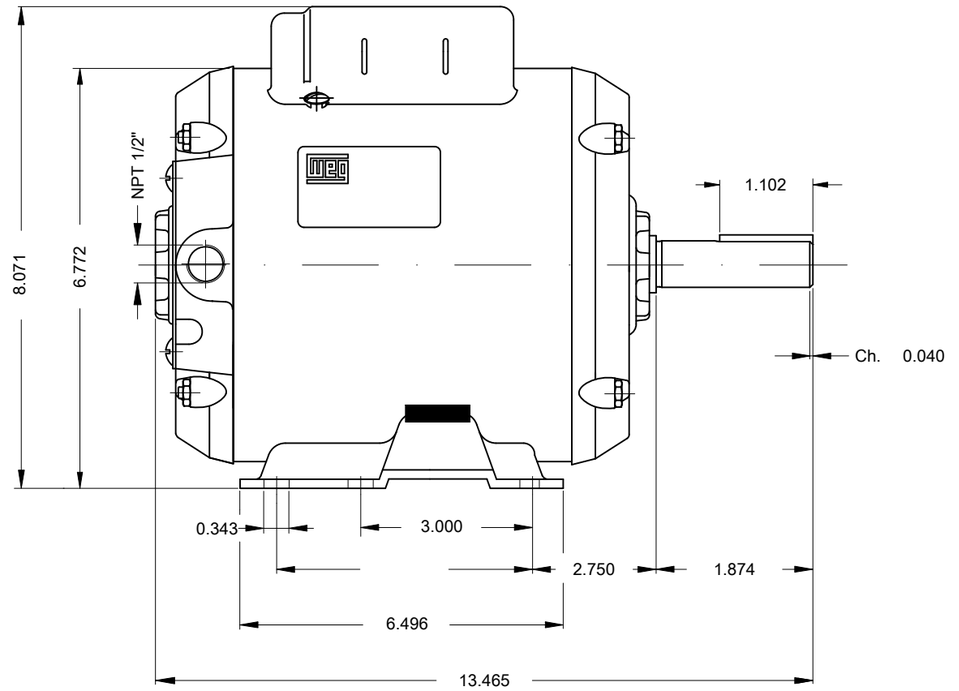

Color Munsell N 1 matte black

Painting plan 207N

Mounting B3R(D)

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

EXECUTED	HYBRISUSER	SINGLE PH. MOTOR COMPRESSOR DUTY	PREVIEW	
CHECKED		FRAME F56H IP21 ODP	WDD	00
RELEASED				
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET	1 / 1

3 HP 02 Poles 60 Hz

A

Dimensions in inches

XME A3

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