

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Compressor Duty Single-Phase      Product code : 10021789

Frame	: G56H	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 105 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 208-230 V	Ambient temperature	: -20°C to +40°C
Poles	: 2	Altitude	: 1000 m.a.s.l.
Rated current	: 21.0-19.1 A	Protection degree	: IP21
	: 6.5x(Code G)	Cooling method	: IC01 - ODP
Rated speed	: 3455 rpm	Mounting	: F-1
Rated torque	: 1.05 kgfm	Rotation <sup>1</sup>	: Both (CW and CCW)
Insulation class	: F	Starting method	: Direct On Line
Service factor	: 1.00	Approx. weight <sup>3</sup>	: 21.9 kg
Moment of inertia (J)	: 0.0030 kgm <sup>2</sup>		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	83.0	85.0	85.0	Max. traction	: 56 kgf
Power Factor	0.99	0.99	0.99	Max. compression	: 78 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

<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>	<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>
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Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	30/05/2026		1 / 2	

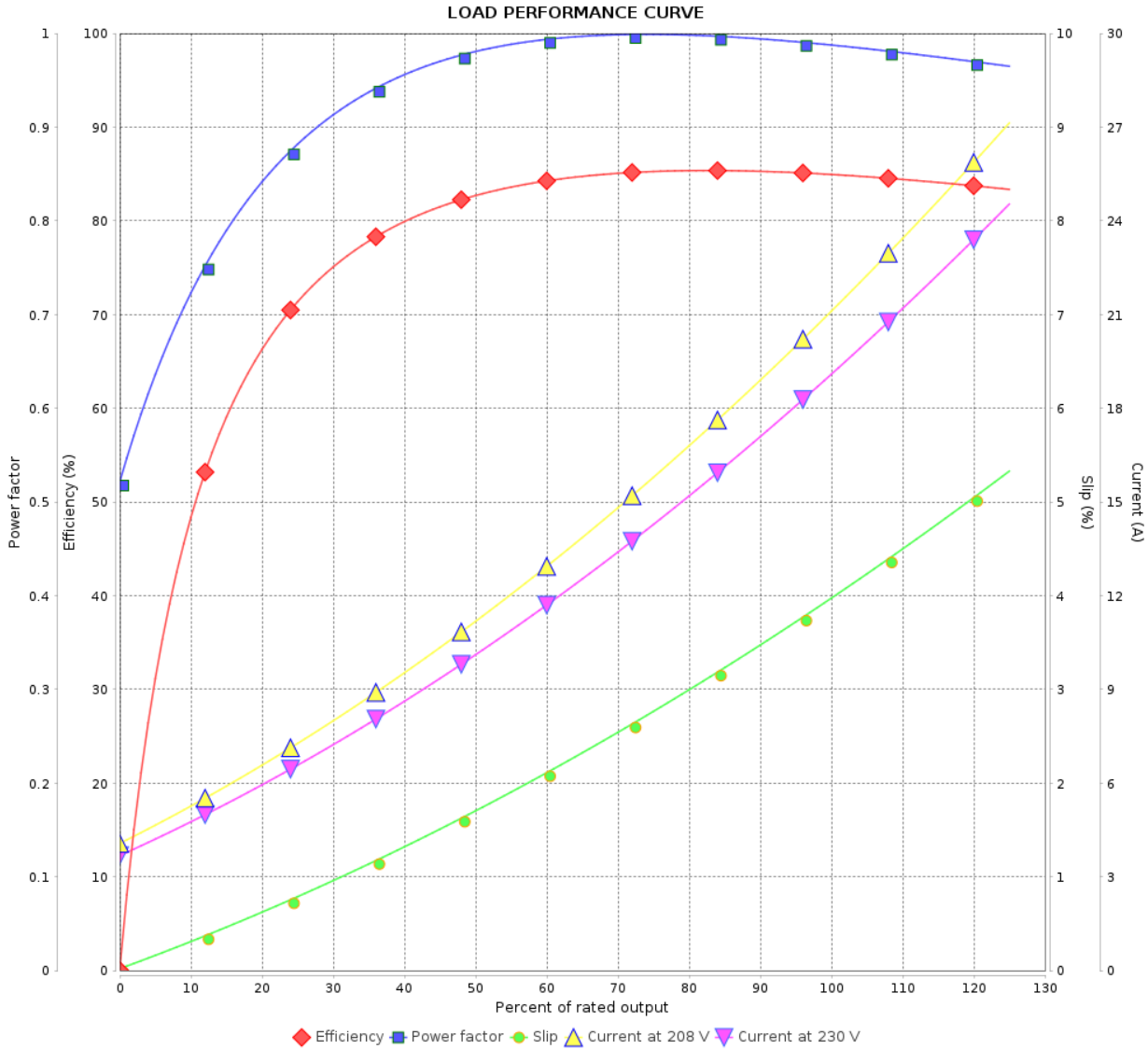
# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

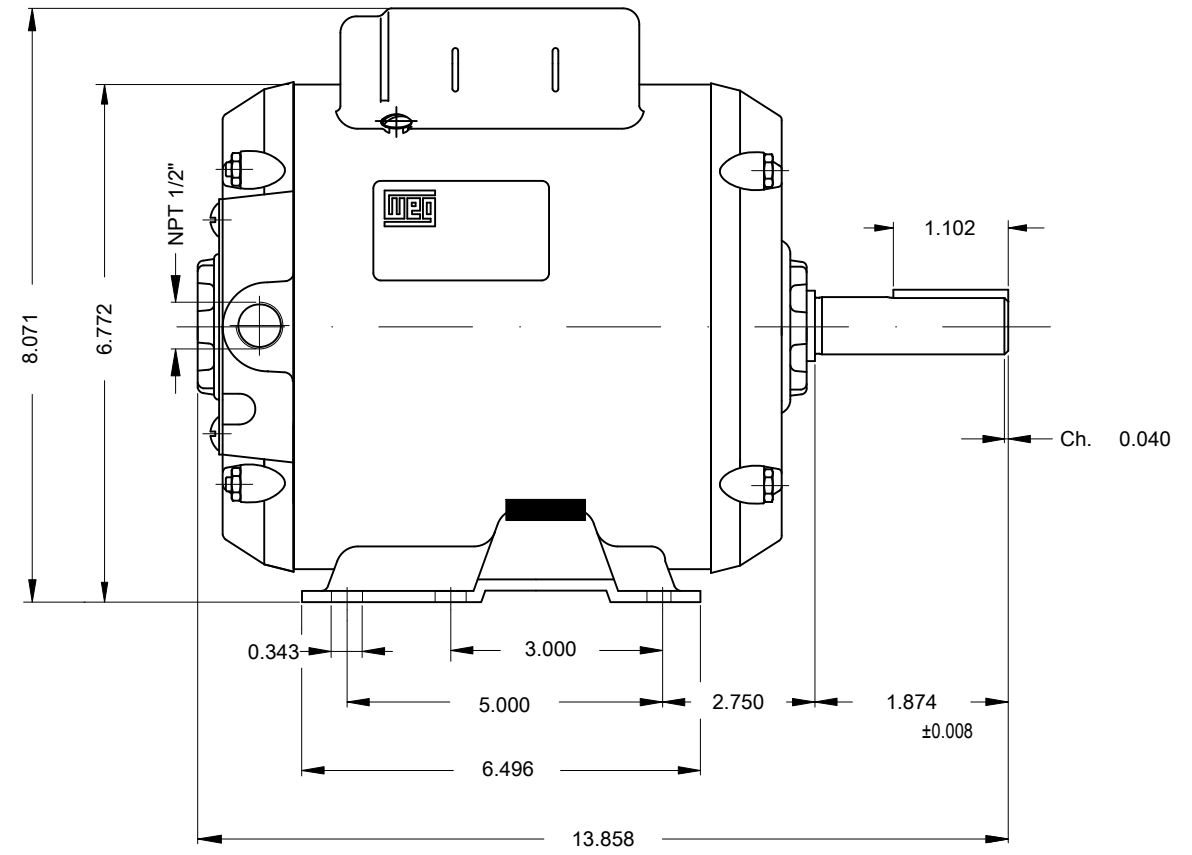
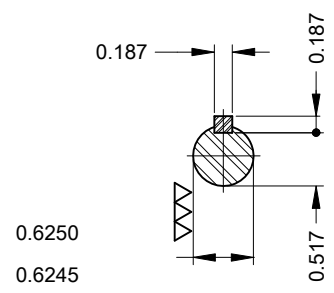
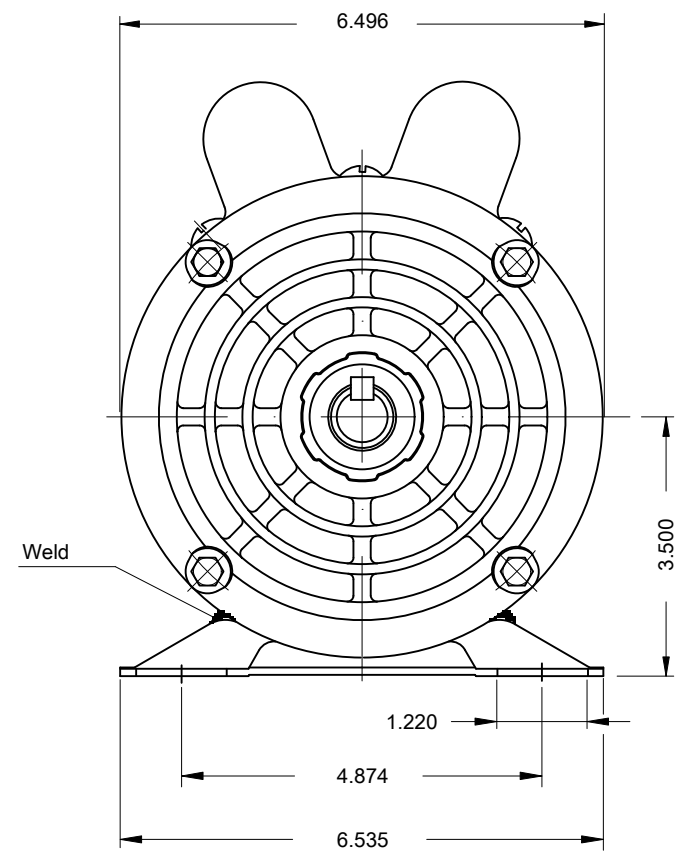
Product line : Compressor Duty Single-Phase Product code : 10021789

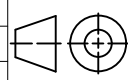


Rev.	Changes Summary	Performed	Checked	Date
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1 2 3 4 5 6

A  
B  
C  
D  
E



Color Munsell N 1 matte black									
Painting plan 207N									
Mounting B3R(D)									
					HYBRISUSER	00			
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	 SINGLE PH. MOTOR COMPRESSOR DUTY FRAME G56H IP21 ODP			PREVIEW				
CHECKED					WDD	00			
RELEASED									
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			

5 HP 02 Poles 60 Hz

A



Dimensions in inches XME A3