

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Single-Phase Product code : 10796366

Frame	: G143/5T	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 17.4/8.70-8.70 A	Protection degree	: IP55
L. R. Amperes	: 113/56.5-56.5 A	Cooling method	: IC411 - TEFC
LRC	: 6.5x(Code K)	Mounting	: F-1
No load current	: 11.8/5.09-5.90 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1750 rpm	Noise level ²	: 55.0 dB(A)
Slip	: 2.78 %	Starting method	: Direct On Line
Rated torque	: 0.622 kgfm	Approx. weight ³	: 22.5 kg
Locked rotor torque	: 280 %		
Breakdown torque	: 260 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0082 kgm ²		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	70.0	75.0	76.5	Max. traction	: 35 kgf
Power Factor	0.00	0.52	0.64	0.72	Max. compression	: 57 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6205 ZZ	6203 ZZ
Sealing	:	V'Ring	V'Ring
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
Performed by		Page 1 / 2 Revision		
Checked by				
Date	26/10/2024			

LOAD PERFORMANCE CURVE

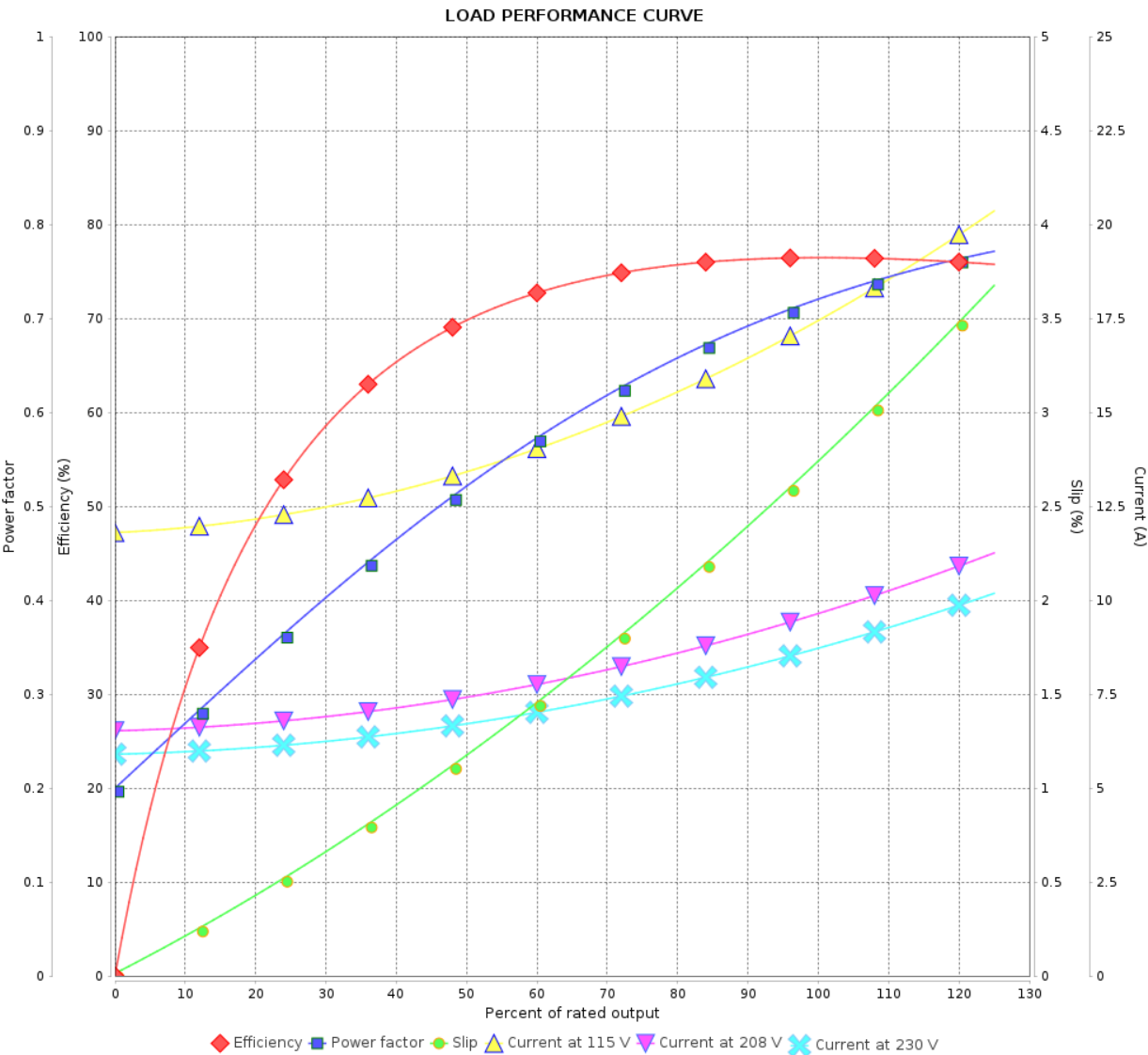
Single Phase Induction Motor - Squirrel Cage



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Product line : General Single-Phase

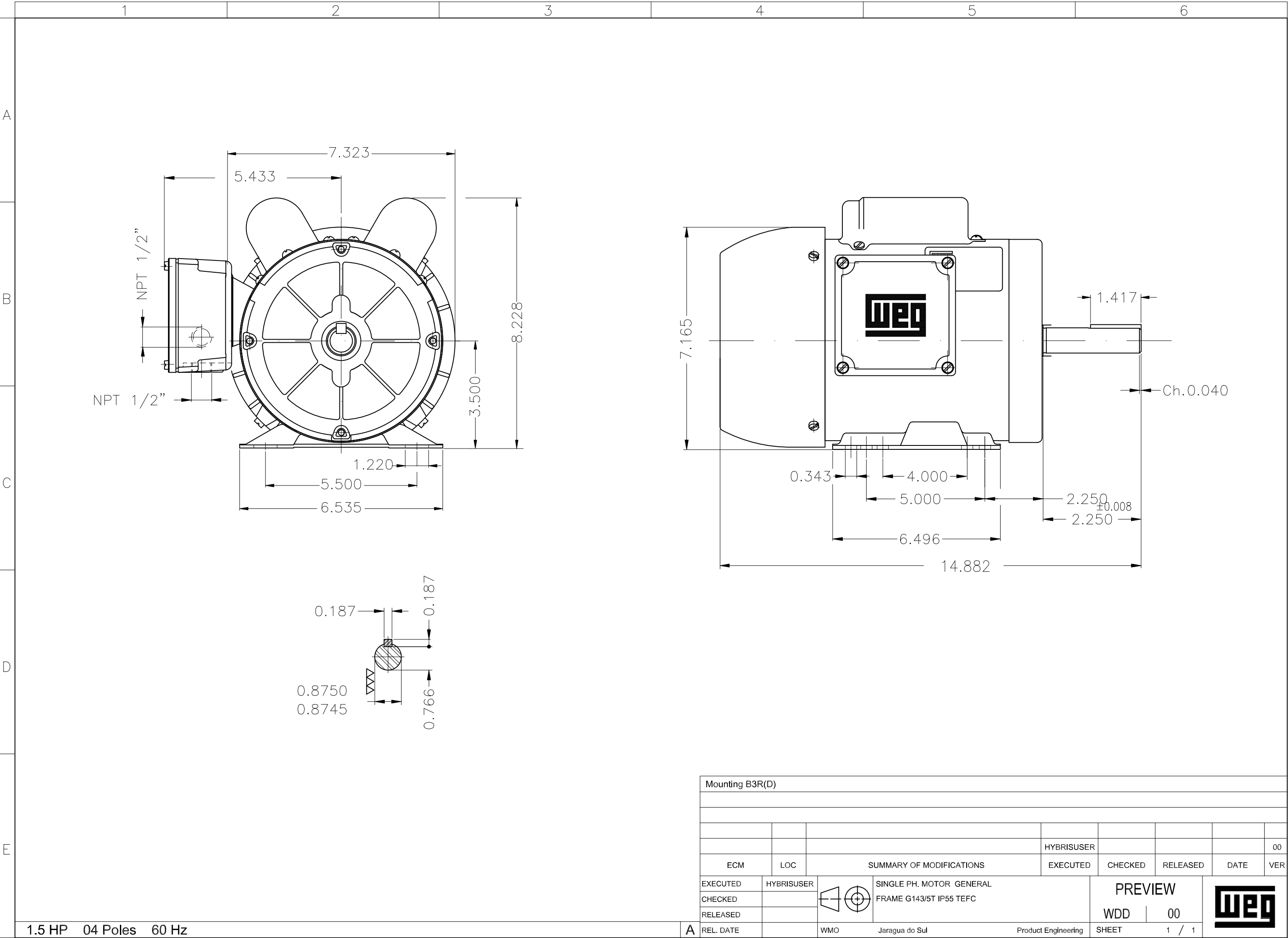
Product code : 10796366



Performance : 115/208-230 V 60 Hz 4P

Rated current	: 17.4/8.70-8.70 A	Moment of inertia (J)	: 0.0082 kgm ²
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 0.622 kgfm	Insulation class	: B
Locked rotor torque	: 280 %	Service factor	:
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 1750 rpm		

Rev.	Changes Summary	Performed	Checked	Date
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Mounting B3R(D)										
						HYBRISUSER				00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER		SINGLE PH. MOTOR GENERAL FRAME G143/5T IP55 TEFC				PREVIEW			
CHECKED										
RELEASED										
REL. DATE										
		WMO	Jaragua do Sul			Product Engineering	SHEET	1 / 1		