

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 IEEE 841 NEMA Premium Efficiency Three-Phase		Product code : 13763562		
Frame	: 213/5T		Locked rotor time	: 102s (cold) 57s (hot)		
Output	: 5 HP (3.7 kW)		Temperature rise	: 80 K		
Poles	: 6		Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C		
Rated voltage	: 200 V		Altitude	: 1000 m.a.s.l.		
Rated current	: 15.7 A		Protection degree	: IP55		
L. R. Amperes	: 107 A		Cooling method	: IC411 - TEFC		
LRC	: 6.8x(Code J)		Mounting	: F-1		
No load current	: 7.94 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1170 rpm		Noise level ²	: 55.0 dB(A)		
Slip	: 2.50 %		Starting method	: Direct On Line		
Rated torque	: 3.10 kgfm		Approx. weight ³	: 82.0 kg		
Locked rotor torque	: 170 %					
Breakdown torque	: 260 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.0620 kgm ²					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	88.5	89.5	89.5	Max. traction : 108 kgf	
Power Factor	0.00	0.58	0.70	0.76	Max. compression : 190 kgf	
			<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6308 C3		6207 C3		
Sealing	:	Inpro/Seal		Inpro/Seal		
Lubrication interval	:	20000 h		20000 h		
Lubricant amount	:	11 g		7 g		
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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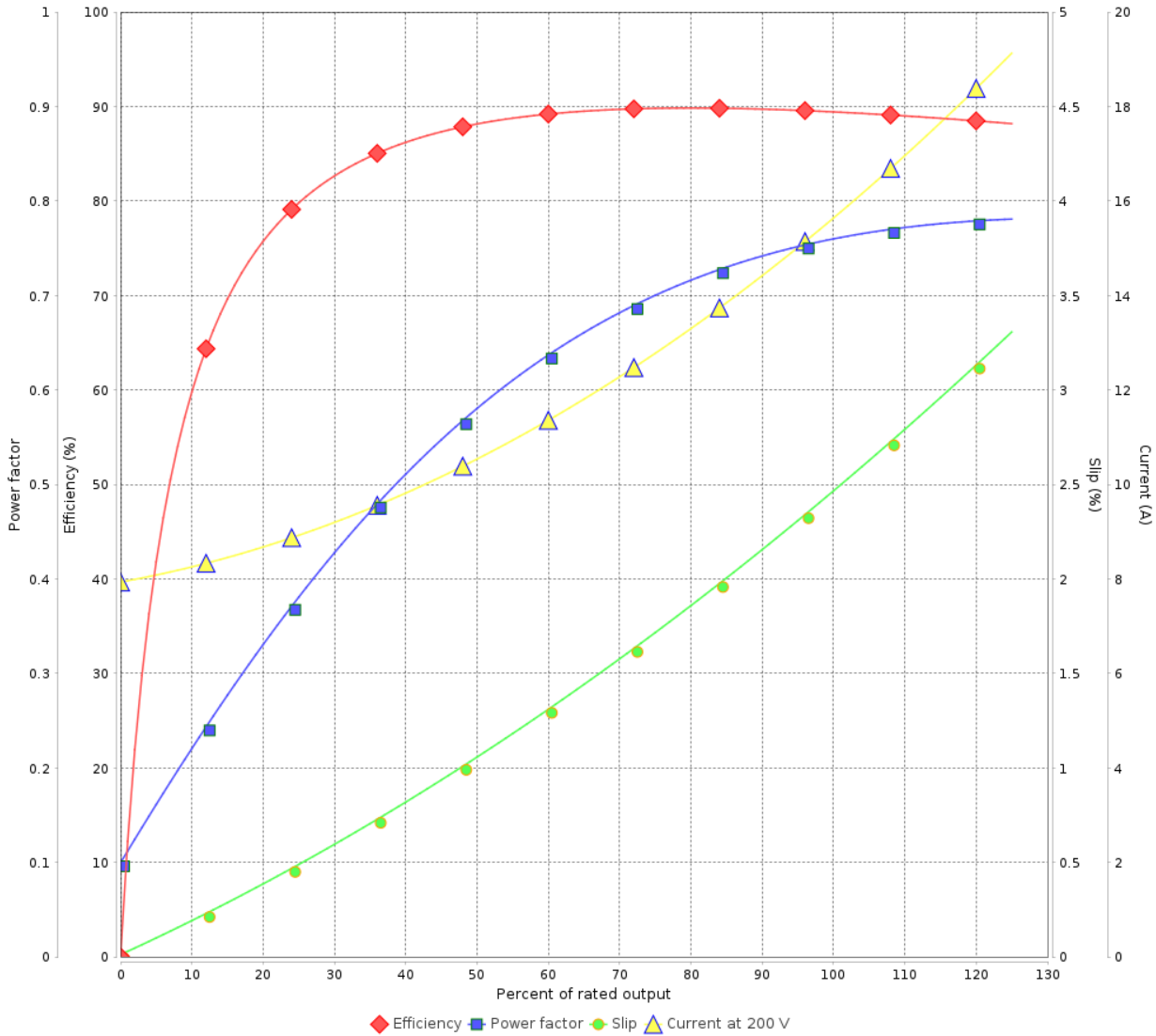
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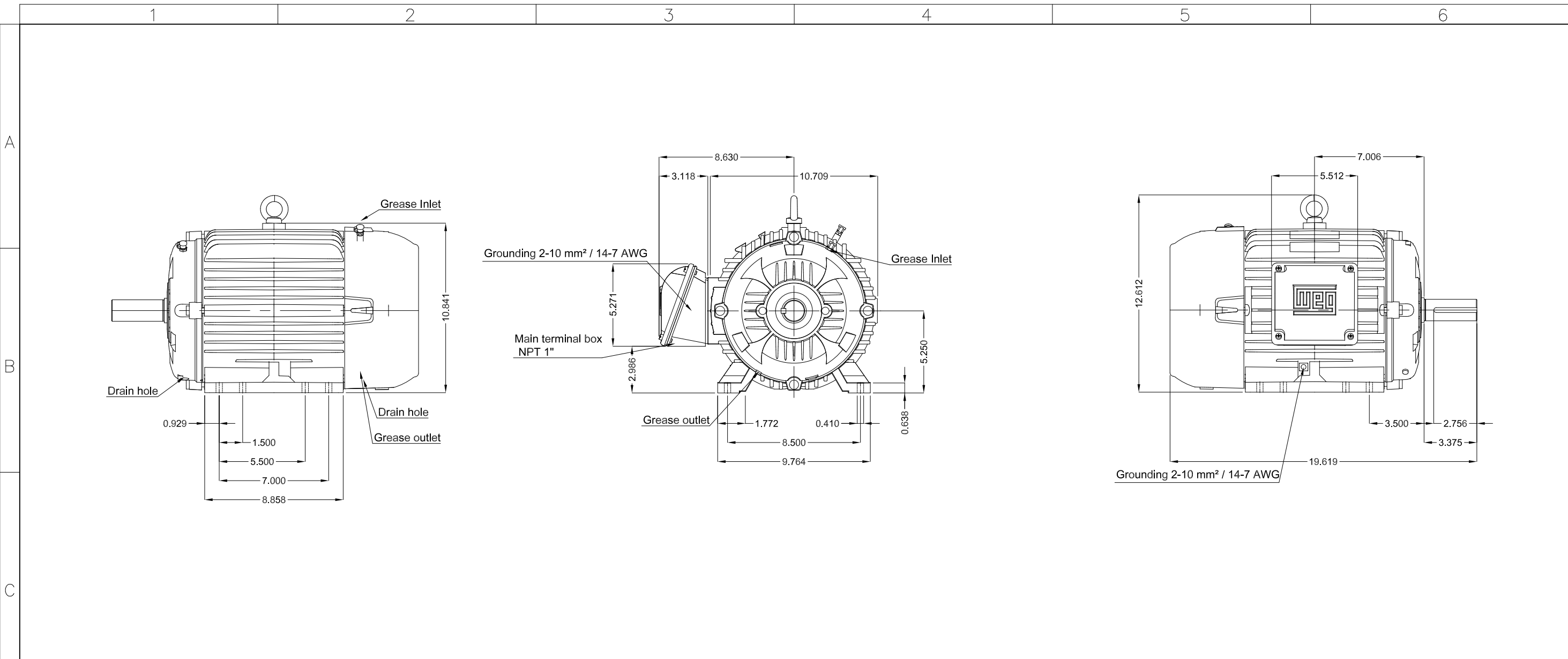
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Performance : 200 V 60 Hz 6P

Rated current	: 15.7 A	Moment of inertia (J)	: 0.0620 kgm ²
LRC	: 6.8	Duty cycle	: Cont.(S1)
Rated torque	: 3.10 kgfm	Insulation class	: F
Locked rotor torque	: 170 %	Service factor	: 1.25
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 1170 rpm	Design	: B

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5 HP 06 Poles 60 Hz A

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ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER	
EXECUTED	HYBRISUSER	THREE PH. MOTOR IEEE 841 W22 NEMA PREM. EFF. FRAME 213/5T IP55 TEFC				PREVIEW					
CHECKED						WDD		00			
RELEASED						SHEET		/			
REL. DATE											

- Grease outlet according to IEEE841
- Color RAL 5009
- Painting plan 202E
- Mounting NEMA F-1
- Mounting B3R(D)

