

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: W22 Super Premium Efficiency Three-Phase		Product code : 14637591	
Frame	: L213/5T		Locked rotor time	: 28s (cold) 16s (hot)	
Output	: 10 HP (7.5 kW)		Temperature rise	: 80 K	
Poles	: 4		Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C	
Rated voltage	: 230/460 V		Altitude	: 1000 m.a.s.l.	
Rated current	: 24.0/12.0 A		Protection degree	: IP55	
L. R. Amperes	: 202/101 A		Cooling method	: IC411 - TEFC	
LRC	: 8.4x(Code K)		Mounting	: F-1	
No load current	: 11.0/5.50 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1765 rpm		Noise level ²	: 58.0 dB(A)	
Slip	: 1.94 %		Starting method	: Direct On Line	
Rated torque	: 4.11 kgfm		Approx. weight ³	: 91.0 kg	
Locked rotor torque	: 229 %				
Breakdown torque	: 350 %				
Insulation class	: F				
Service factor	: 1.25				
Moment of inertia (J)	: 0.0751 kgm ²				
Design	: A				
Output	25%	50%	75%	100%	
Efficiency (%)	0.000	91.7	92.4	93.0	
Power Factor	0.00	0.66	0.78	0.84	
Foundation loads					
Max. traction : 221 kgf					
Max. compression : 312 kgf					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6308 ZZ	6207 ZZ		
Sealing	:	V'Ring	V'Ring		
Lubrication interval	:	0 h	0 h		
Lubricant amount	:	0 g	0 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
Performed by					
Checked by				Page	Revision
Date	20/10/2024			1 / 2	

LOAD PERFORMANCE CURVE

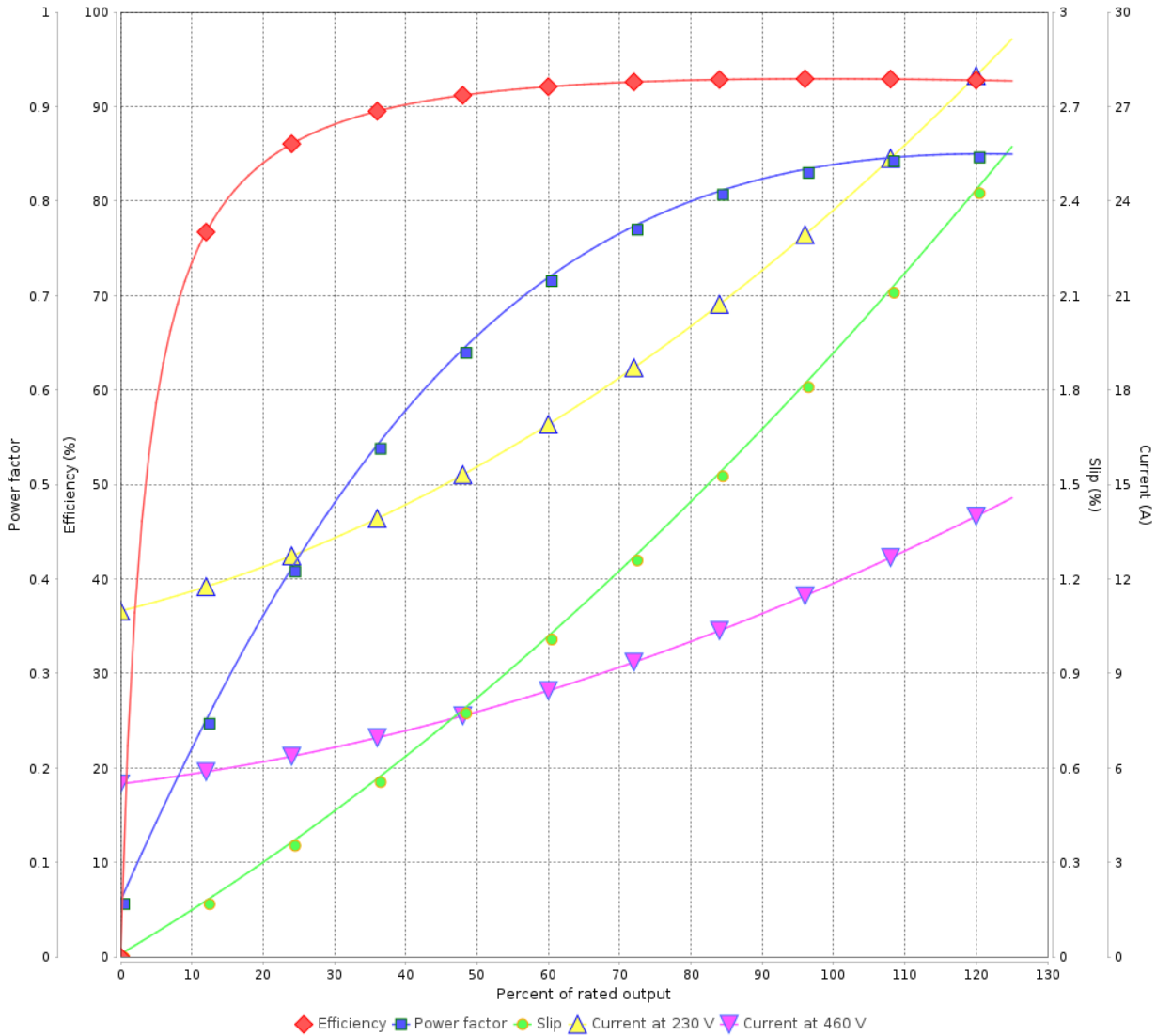
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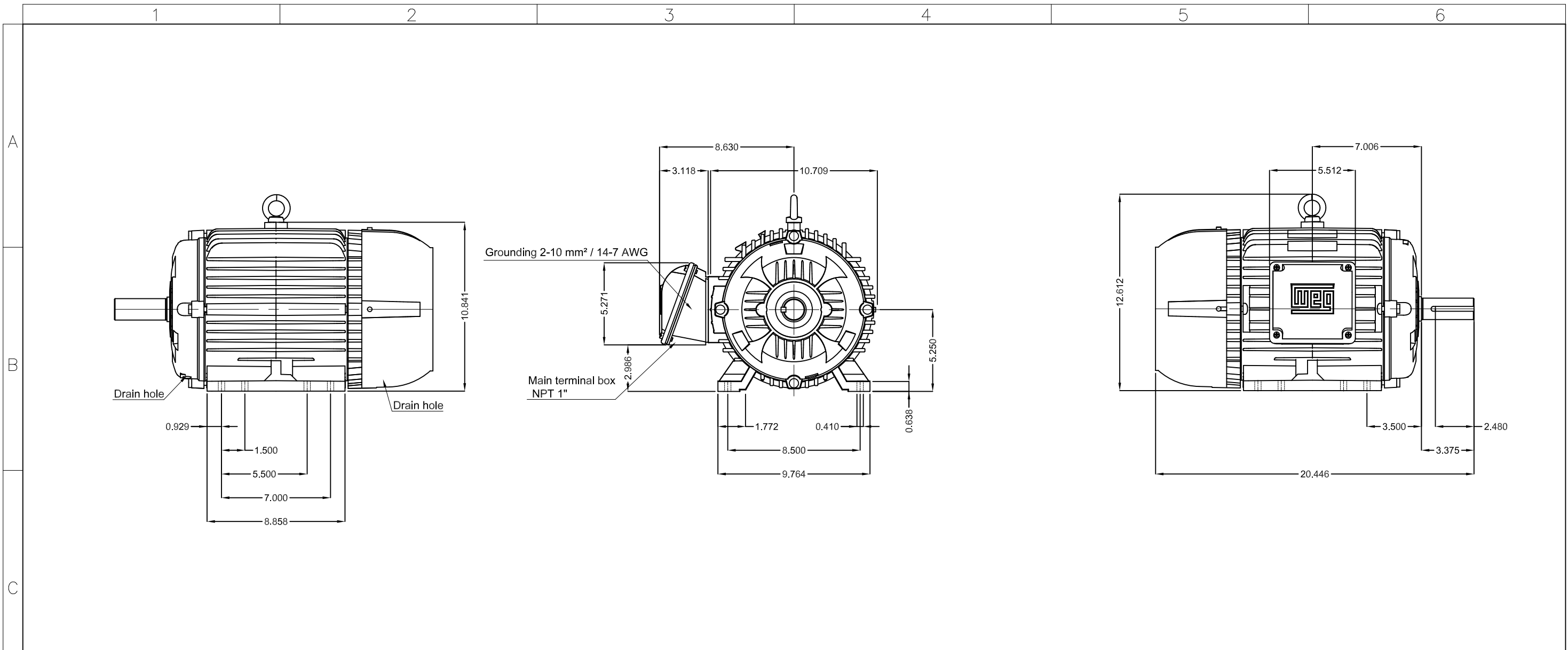


Performance : 230/460 V 60 Hz 4P

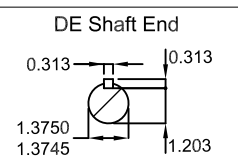
Rated current : 24.0/12.0 A
 LRC : 8.4
 Rated torque : 4.11 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 350 %
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.0751 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : A

Rev.	Changes Summary	Performed	Checked	Date
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Color RAL 5009
 Painting plan 207A
 Mounting NEMA F-1
 Mounting B3R(D)



10 HP 04 Poles 60 Hz										A	
HYBRISUSER										00	
ECM	LOC	SUMMARY OF MODIFICATIONS					EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR W22 SUPER PREM. EFF.					PREVIEW				
CHECKED		FRAME L213/5T IP55 TEFC					WDD 00				
RELEASED							SHEET /				
REL. DATE											