

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line	: W22 Brake Motor NEMA Premium Efficiency Three-Phase						
Product code	: 14433680						
Frame : 213/5T Output : 10 HP (7.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 575 V Rated current : 9.28 A L. R. Amperes : 66.8 A LRC : 7.2x(Code H) No load current : 2.88 A Rated speed : 3530 rpm Slip : 1.94 % Rated torque : 2.06 kgfm Locked rotor torque : 220 % Breakdown torque : 290 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0268 kgm ² Design : B	Locked rotor time : 32s (cold) 18s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 68.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 84.1 kg						
Output	50% 75% 100%						
Efficiency (%)	89.5 90.2 90.2						
Power Factor	0.79 0.87 0.90						
Foundation loads							
Max. traction : 68 kgf							
Max. compression : 152 kgf							
Losses at normative operating points (speed;torque), in percentage of rated output power							
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)	
10.7	8.7	7.8	5.2	3.3	2.1	1.3	
		<u>Drive end</u>		<u>Non drive end</u>			
Bearing type	:	6308 ZZ		6207 ZZ			
Sealing	:	V'Ring		Lip 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.			
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Brake information

Voltage: 525-575 V
Brake Torque: 8.15 kgfm

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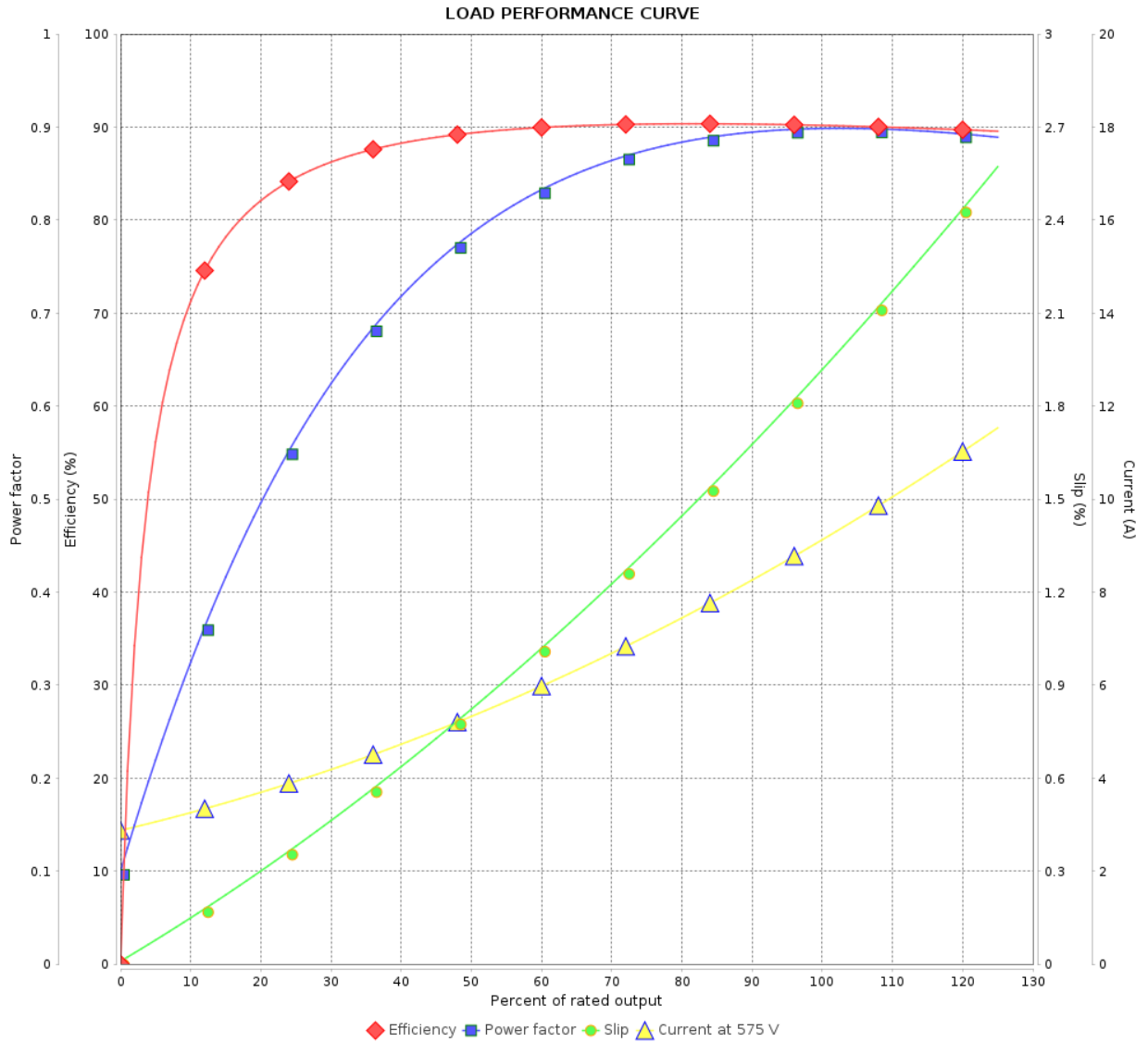
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

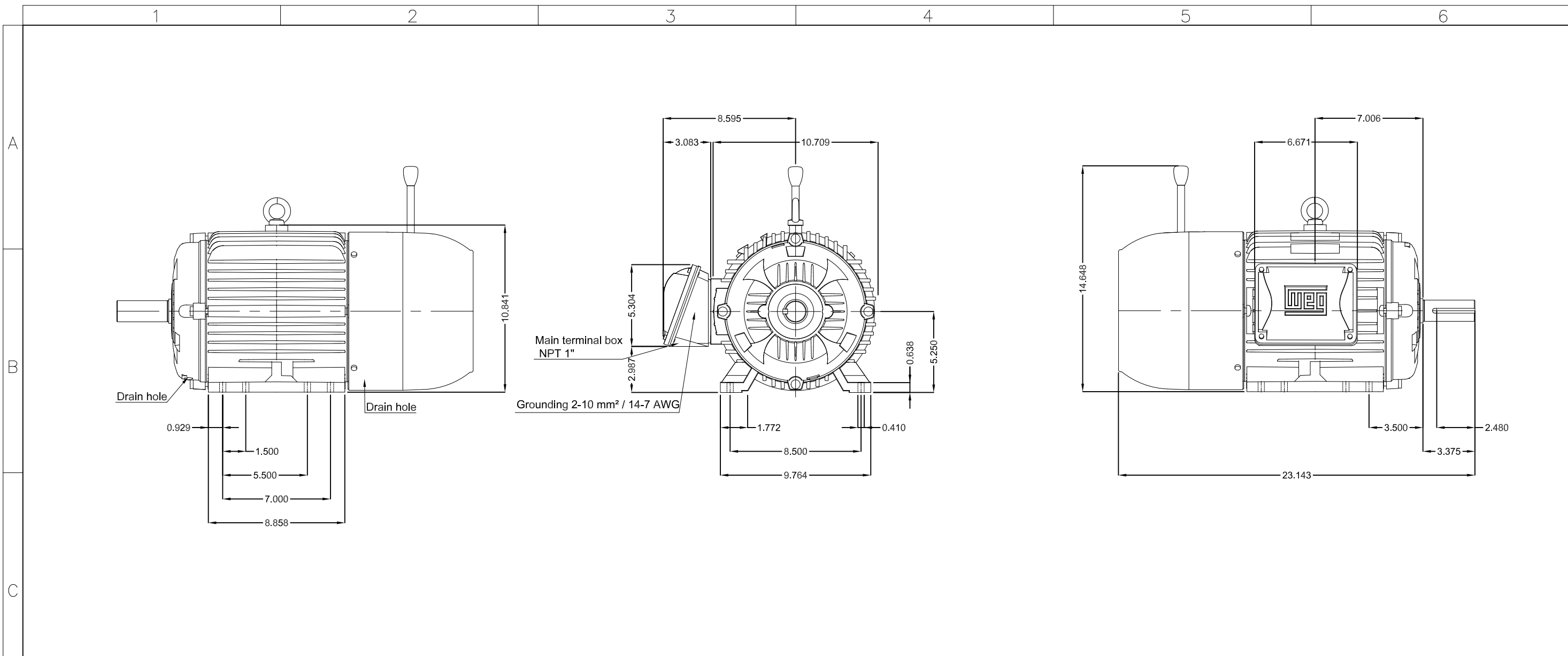
Product line : W22 Brake Motor NEMA Premium Efficiency Product code : 14433680
 Three-Phase



Performance : 575 V 60 Hz 2P

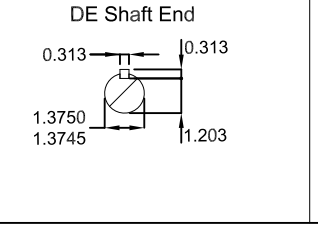
Rated current	: 9.28 A	Moment of inertia (J)	: 0.0268 kgm ²
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 2.06 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.25
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 3530 rpm	Design	: B

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10 HP	02 Poles	60 Hz	A
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Brake voltage 525-575 V
Break size 16 (80 Nm)
Color RAL 5009
Painting plan 207A
Mounting NEMA F-1
Mounting B3R(D)



ECM	LOC	SUMMARY OF MODIFICATIONS	HYBRISUSER	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR W22 BRAKE MOTOR NEMA PREM. EFF.						
CHECKED		FRAME 213/5T IP55 TEFC						
RELEASED								
REL. DATE								

PREVIEW
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