

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%	Foundation loads	
Efficiency (%)	0.000	91.7	92.4	93.0	Max. traction	: 221 kgf
Power Factor	0.00	0.66	0.78	0.84	Max. compression	: 312 kgf

	Drive end	Non drive end
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

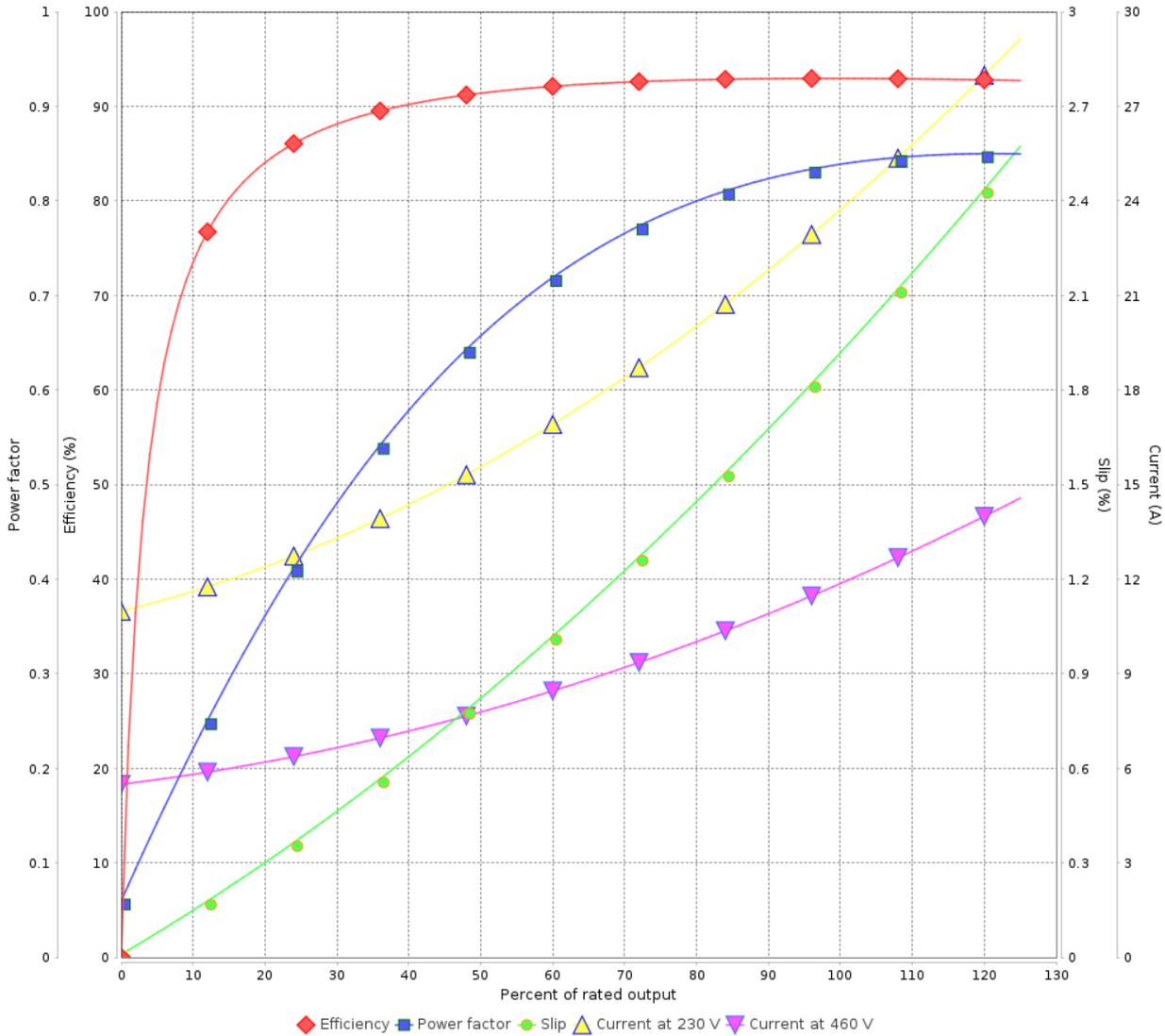
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Super Premium Efficiency Three-Phase Product code : 14637591

LOAD PERFORMANCE CURVE

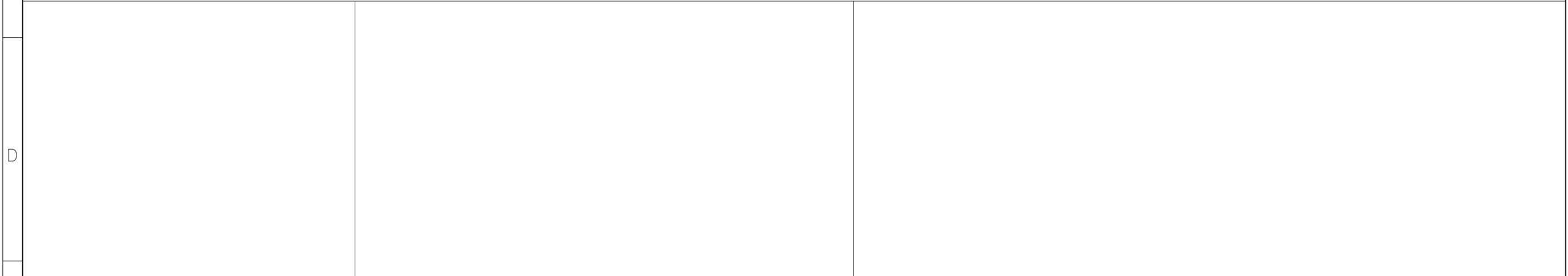
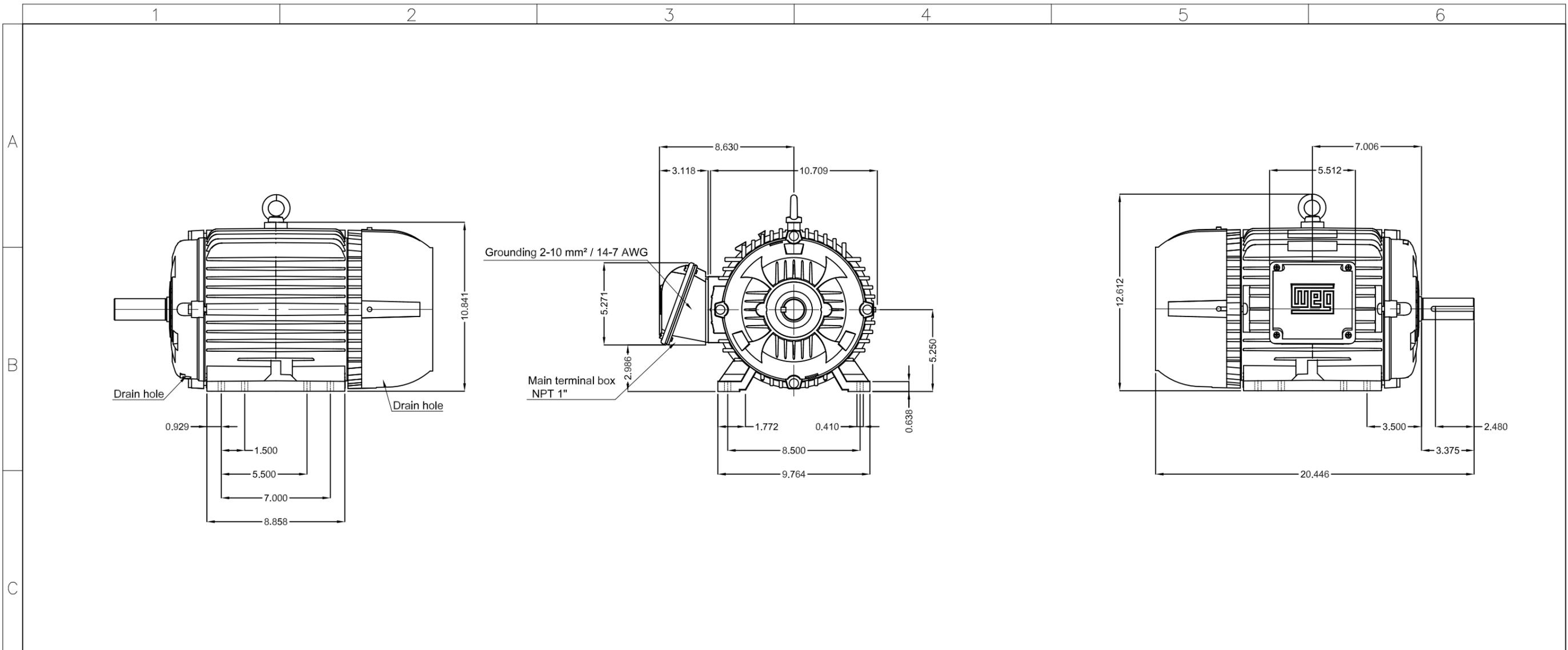


Performance : 230/460 V 60 Hz 4P

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
Performed by			Page	Revision
Checked by				
Date				



Color RAL 5009										A	
Painting plan 207A											
Mounting NEMA F-1											
Mounting B3R(D)											
10 HP 04 Poles 60 Hz											
HYBRISUSER										00	
ECM	LOC	SUMMARY OF MODIFICATIONS					EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR W22 SUPER PREM. EFF.					EXECUTED	CHECKED	RELEASED	DATE	VER
CHECKED		FRAME L213/5T IP55 TEFC					EXECUTED	CHECKED	RELEASED	DATE	VER
RELEASED							EXECUTED	CHECKED	RELEASED	DATE	VER
REL. DATE							EXECUTED	CHECKED	RELEASED	DATE	VER
						PREVIEW		WDD 00			
						SHEET /					