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 kgm²		
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

		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	

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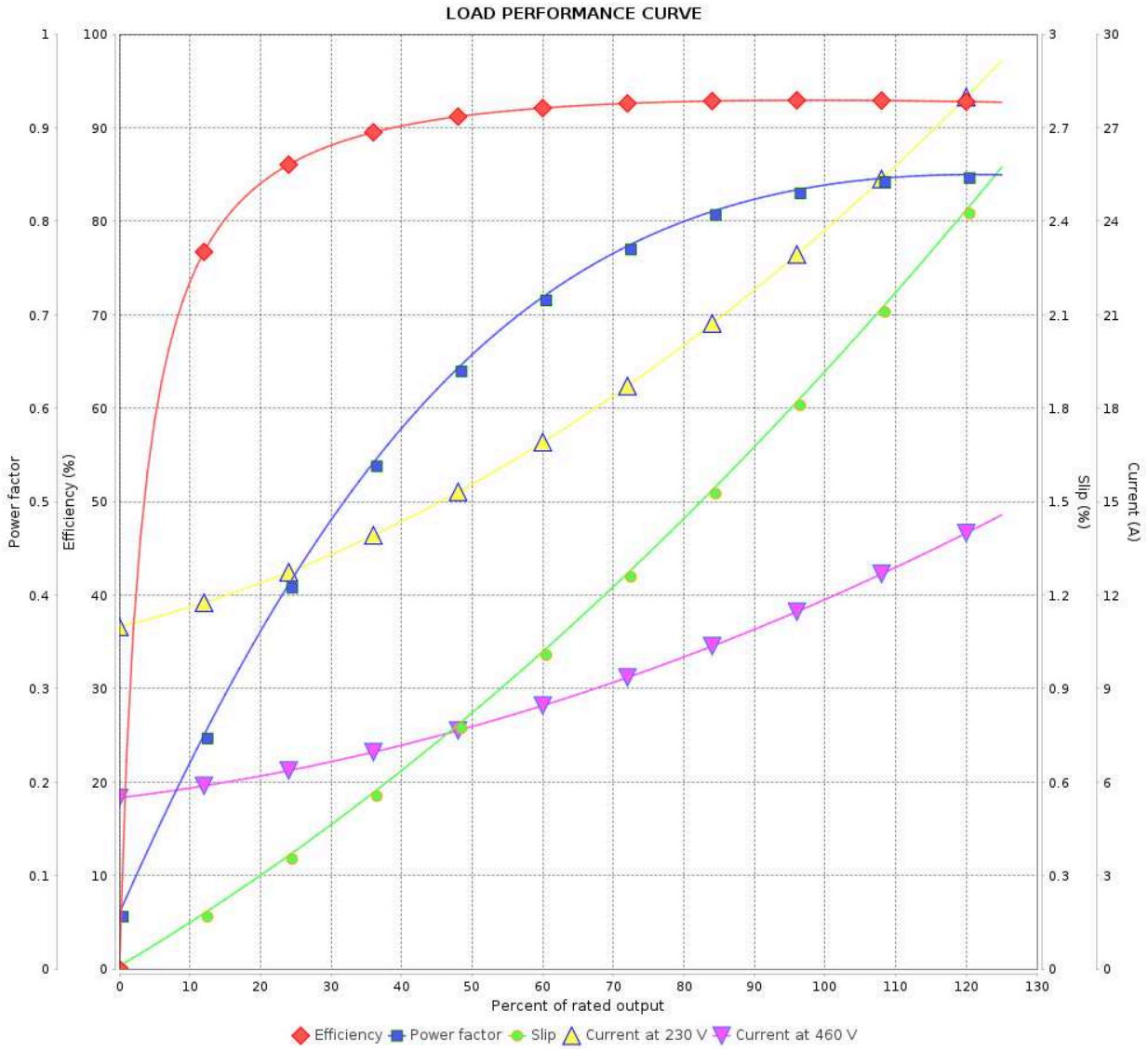
LOAD PERFORMANCE CURVE

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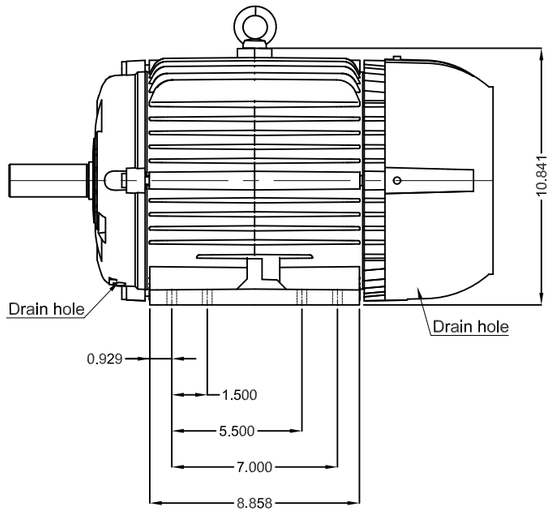


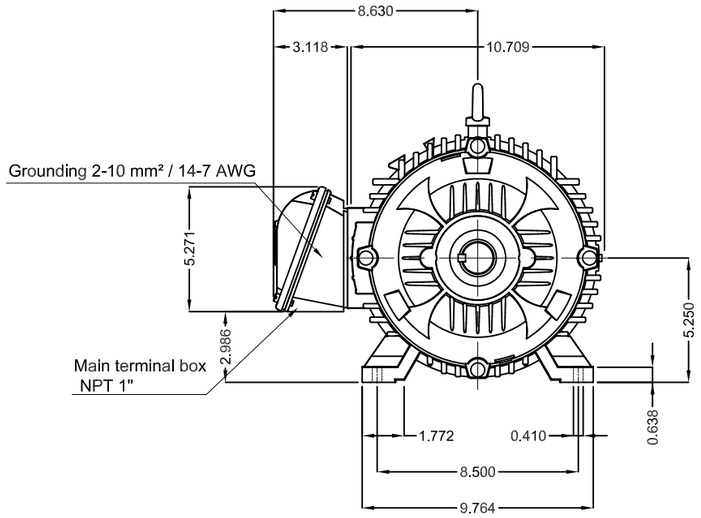
Performance	: 230/460 V 60 Hz 4P		
Rated current	: 24.0/12.0 A	Moment of inertia (J)	: 0.0751 kgm²
LRC	: 8.4	Duty cycle	: Cont.(S1)
Rated torque	: 4.11 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.25
Breakdown torque	: 350 %	Temperature rise	: 80 K
Rated speed	: 1765 rpm	Design	: A

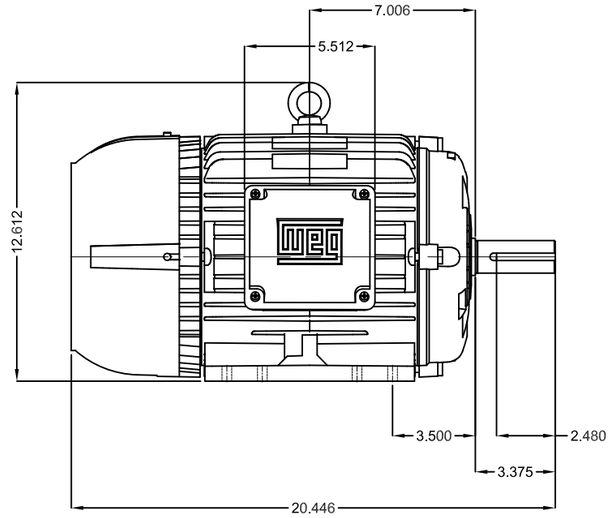
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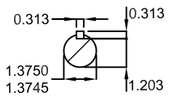
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DE Shaft End



Color RAL 5009
Painting plan 207A
Mounting NEMA F-1
Mounting B3R(D)

10 HP 04 Poles 60 Hz | A

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
			HYBRISUSER				00

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR W22 SUPER PREM. EFF.
FRAME L213/5T IP55 TEFC

PREVIEW
WDD 00
SHEET /

Dimensions in inches
A3

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