DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	14930210

Frame	: 213TC	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 7.5 HP (5.5 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	: 18.4/9.18 A	Protection degree	: IP55
L. R. Amperes	: 130/65.2 A	Cooling method	: IC411 - TEFC
LRC	: 7.1x(Code H)	Mounting	: F-3
No load current	: 8.40/4.20 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	: 3.08 kgfm	Approx. weight[3]	: 70.0 kg
Locked rotor torque	: 220 %		
Breakdown torque	: 310 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.0566 kgm²		
Design	: B		

Output	50%	75%	100%
Efficiency (%)	89.5	91.0	91.7
Power Factor	0.66	0.76	0.82

Foundation loads

Max. traction	: 162 kgf
Max. compression	: 236 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)
8.8	7.0	6.5	4.9	3.3	2.4	1.6

		Drive end	Non drive end
Bearing type	:	6308 ZZ	6207 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes
USABLE @208V 19.9A SF 1.15 SFA 22.9A

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	17/08/2026		1 / 2	

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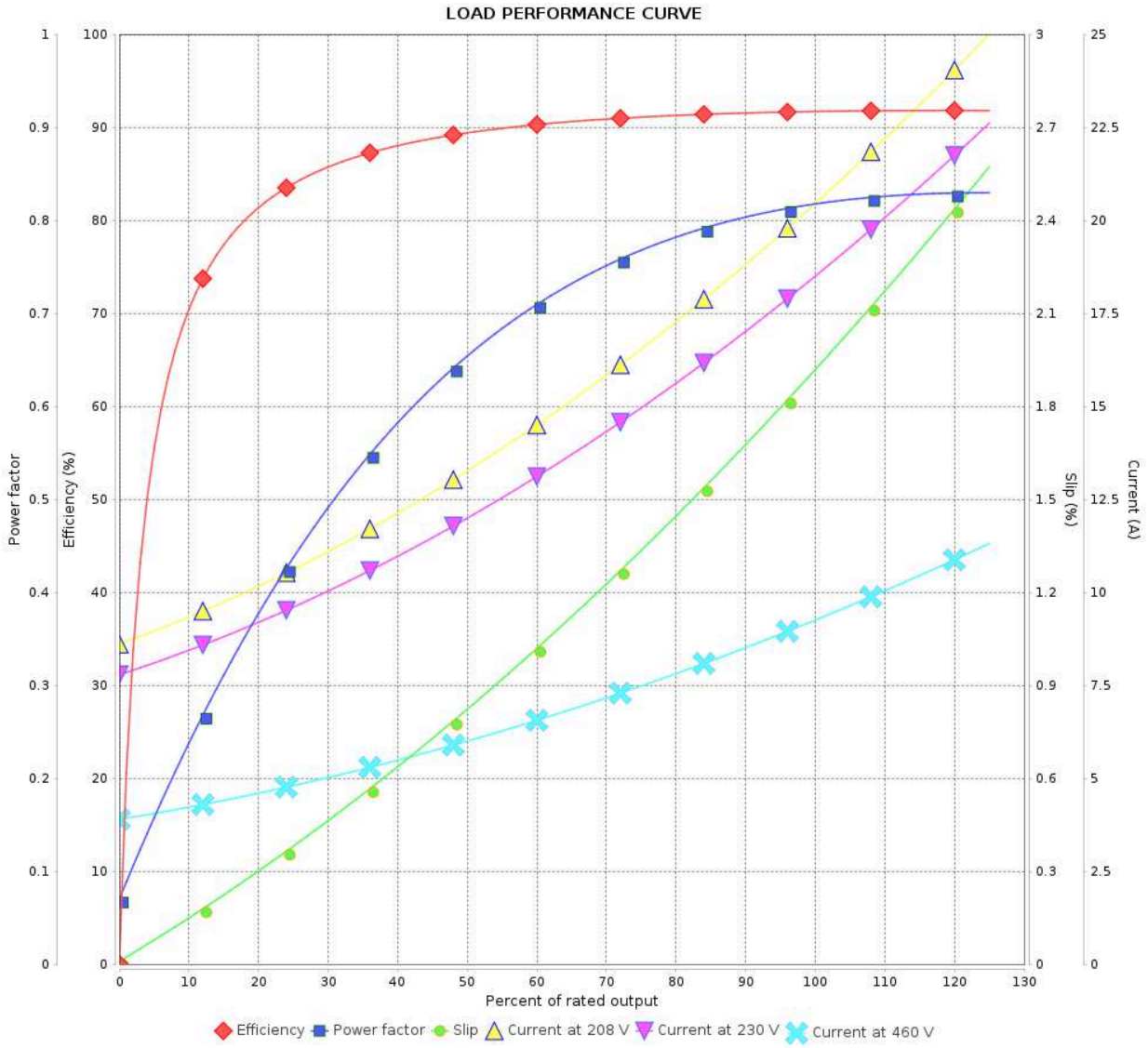
LOAD PERFORMANCE CURVE

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Product code : 14930210

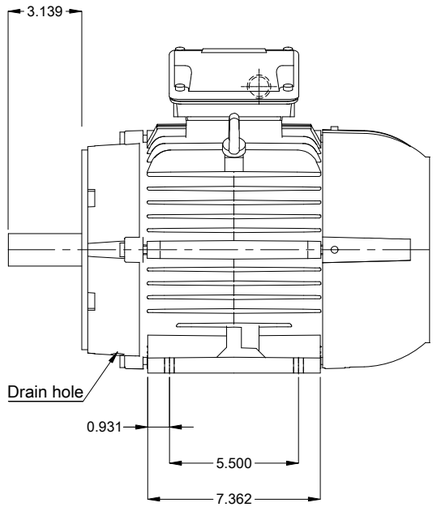


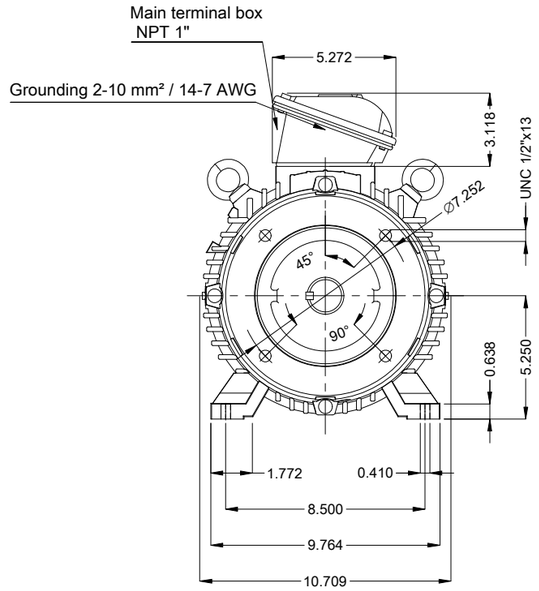
Performance	: 230/460 V 60 Hz 4P		
Rated current	: 18.4/9.18 A	Moment of inertia (J)	: 0.0566 kgm²
LRC	: 7.1	Duty cycle	: Cont.(S1)
Rated torque	: 3.08 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.25
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 1765 rpm	Design	: B

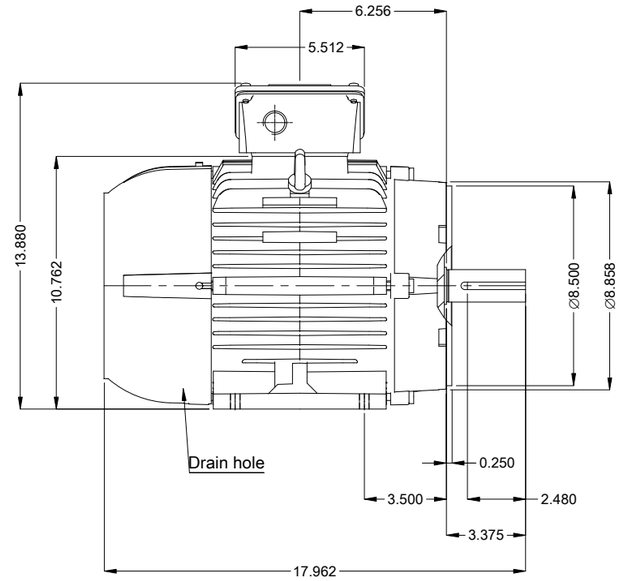
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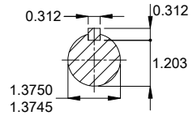
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DE Shaft End



Color RAL 5009
Painting plan 207A
Mounting NEMA F-3
Mounting B34T

7.5 HP 04 Poles 60 Hz | A

Scale 2 : 13

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR W22 NEMA PREM. EFF.
FRAME 213TC IP55 TEFC

PREVIEW
WDD 00
SHEET 1 / 1

Dimensions in inches

A3

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