DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 Super Premium Efficiency Three-Phase

Product code : 18431197

Frame	: 447/9T
Output	: 150 HP (110 kW)
Poles	: 6
Frequency	: 60 Hz
Rated voltage	: 575 V
Rated current	: 143 A
L. R. Amperes	: 1074 A
LRC	: 7.5x(Code J)
No load current	: 68.8 A
Rated speed	: 1190 rpm
Slip	: 0.83 %
Rated torque	: 91.5 kgfm
Locked rotor torque	: 260 %
Breakdown torque	: 320 %
Insulation class	: F
Service factor	: 1.25
Moment of inertia (J)	: 6.13 kgm²
Design	: A

Locked rotor time	: 39s (cold) 22s (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]	: 70.0 dB(A)
Starting method	: Direct On Line
Approx. weight[3]	: 1023 kg

Output	50%	75%	100%
Efficiency (%)	95.0	95.8	96.2
Power Factor	0.62	0.74	0.80

Foundation loads

Max. traction	: 1925 kgf
Max. compression	: 3197 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)
4.2	3.2	2.6	2.7	1.8	1.4	0.9

		Drive end	Non drive end
Bearing type	:	6322 C3	6319 C3
Sealing	:	WSeal	WSeal
Lubrication interval	:	11000 h	13000 h
Lubricant amount	:	60 g	45 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	07/07/2026		1 / 2	

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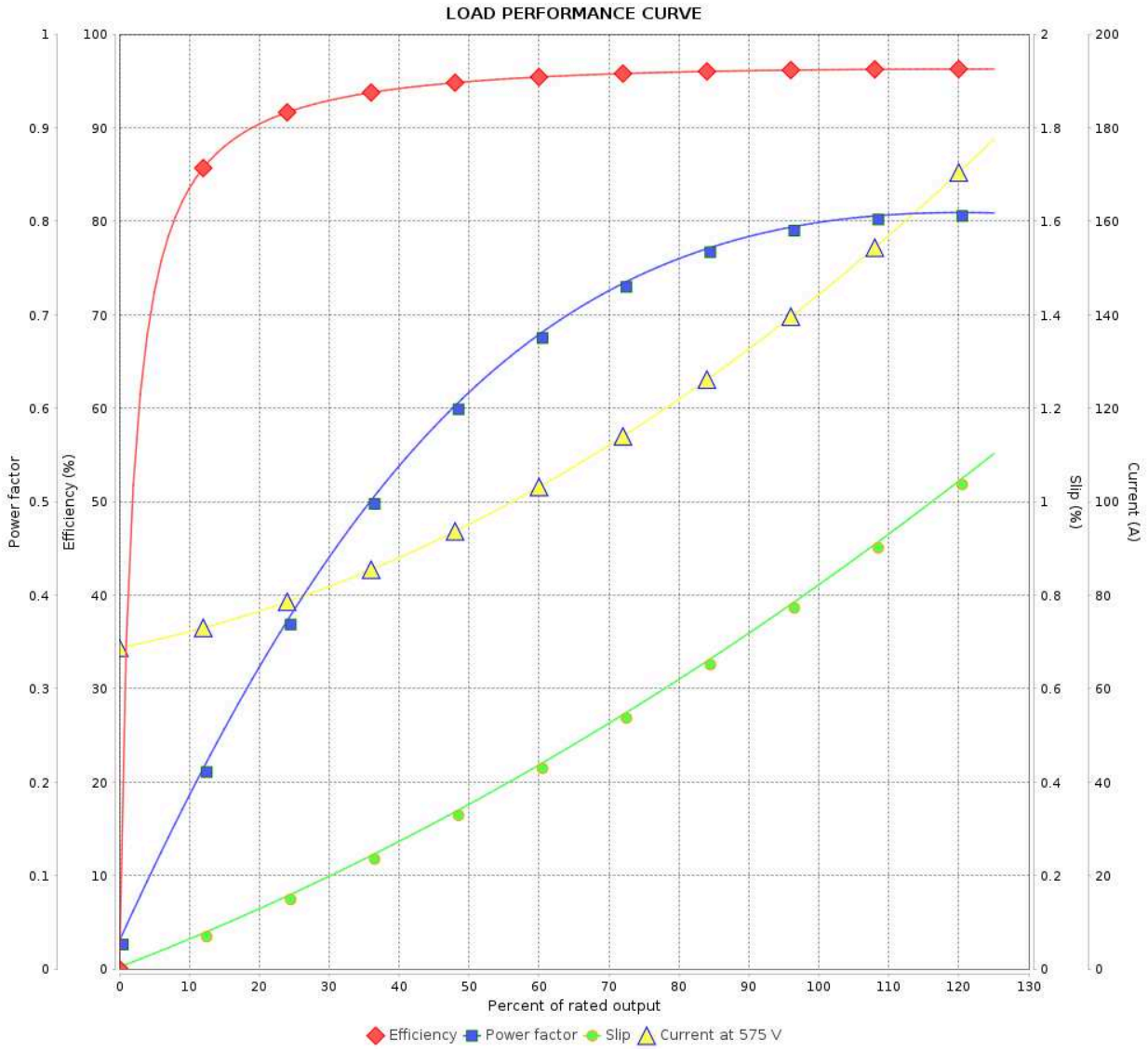
LOAD PERFORMANCE CURVE

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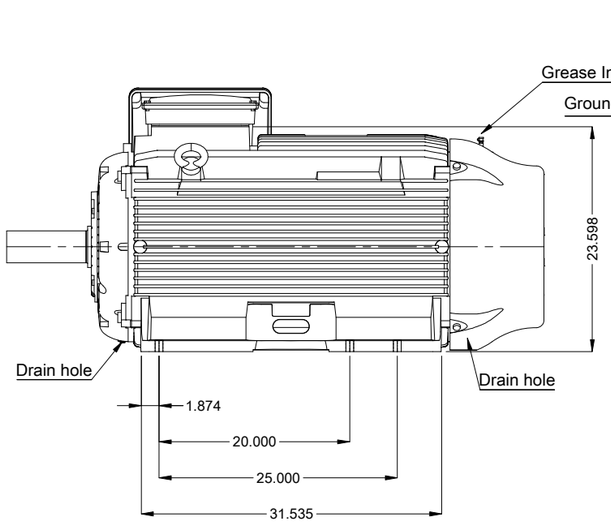


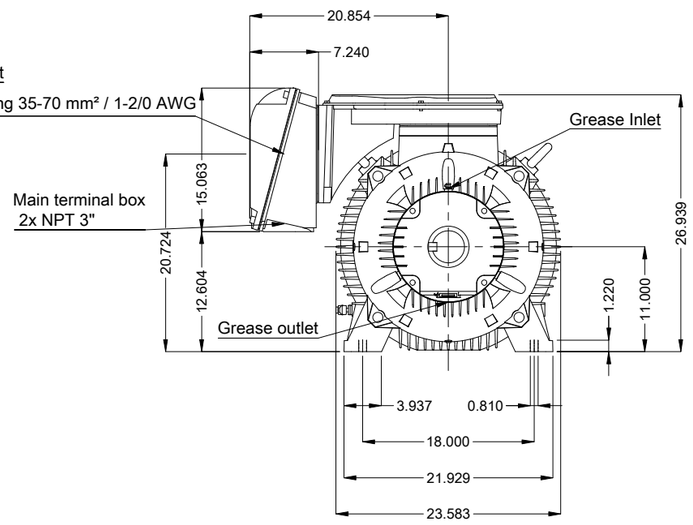
Performance	: 575 V 60 Hz 6P		
Rated current	: 143 A	Moment of inertia (J)	: 6.13 kgm²
LRC	: 7.5	Duty cycle	: Cont.(S1)
Rated torque	: 91.5 kgfm	Insulation class	: F
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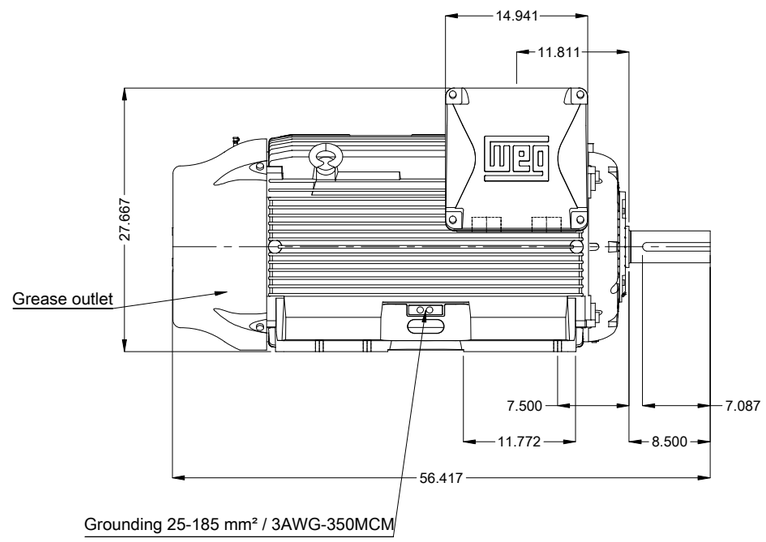
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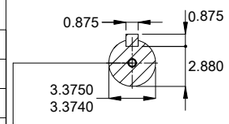






Color RAL 6002
Painting plan 203A
Mounting NEMA F-1
Mounting B3R(D)

DE Shaft End



DUNC 3/4"-10 WEG WPR-7339

150 HP 06 Poles 60 Hz | A

Scale 1 : 16

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 447/9T IP55 TEFC

PREVIEW
WDD 00
SHEET 1 / 1

Dimensions in inches

A3

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