DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 Super Premium Efficiency Three-Phase

Product code : 19249343

Frame	: 254/6T
Output	: 20 HP (15 kW)
Poles	: 2
Frequency	: 60 Hz
Rated voltage	: 575 V
Rated current	: 18.4 A
L. R. Amperes	: 140 A
LRC	: 7.6x(Code H)
No load current	: 5.76 A
Rated speed	: 3545 rpm
Slip	: 1.53 %
Rated torque	: 4.09 kgfm
Locked rotor torque	: 260 %
Breakdown torque	: 340 %
Insulation class	: F
Service factor	: 1.25
Moment of inertia (J)	: 0.0804 kgm²
Design	: A

Locked rotor time	: 41s (cold) 23s (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]	: 72.0 dB(A)
Starting method	: Direct On Line
Approx. weight[3]	: 141 kg

Output	50%	75%	100%
Efficiency (%)	91.0	92.4	93.0
Power Factor	0.75	0.84	0.88

Foundation loads

Max. traction	: 140 kgf
Max. compression	: 298 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)
7.1	5.5	5.1	3.7	2.2	1.4	0.8

		Drive end	Non drive end
Bearing type	:	6309 C3	6209 C3
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	19000 h	20000 h
Lubricant amount	:	13 g	9 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

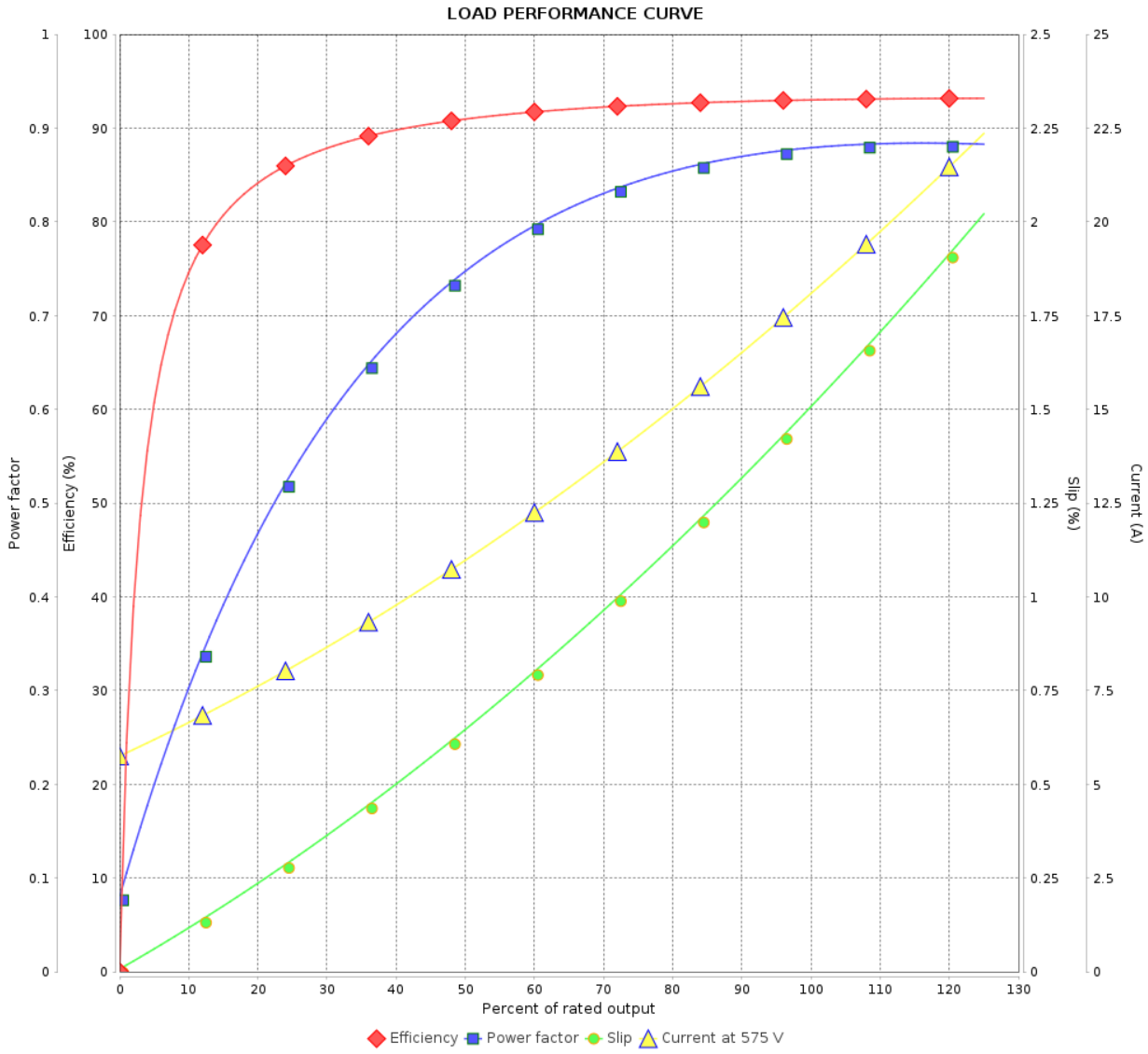
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W22 Super Premium Efficiency Three-Phase
Product code :	19249343



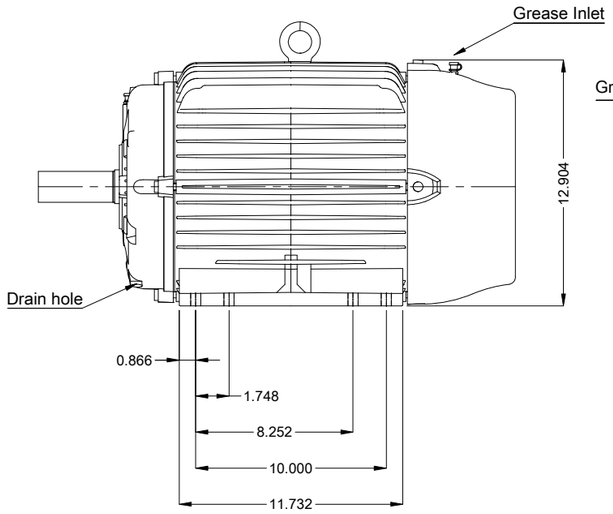
Performance	: 575 V 60 Hz 2P

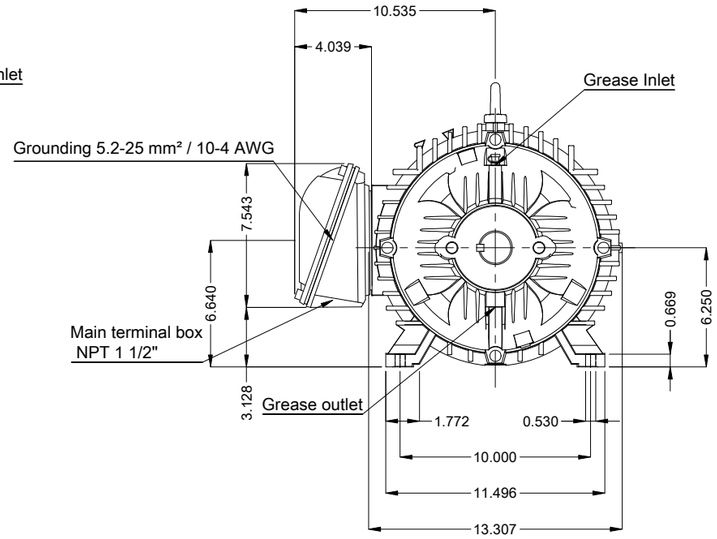
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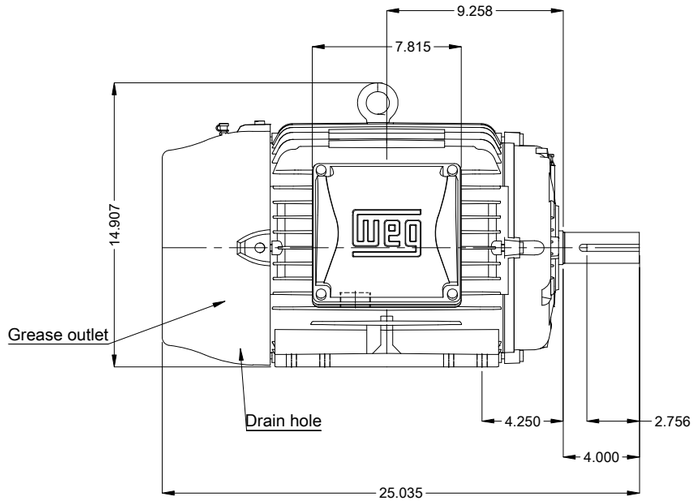
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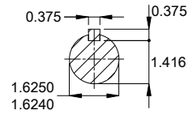
Color RAL 6002

Painting plan 203A

Mounting NEMA F-1

Mounting B3R(D)

DE Shaft End



20 HP 02 Poles 60 Hz

A

Scale 1 : 8

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 254/6T IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

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