DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 Close Coupled Pump JM NEMA Premium Efficiency Three-Phase

Product code : 12941830

Frame	: 254/6JM	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation¹	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight³	: 139 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.1867 kgm²
Design	: B		

Output [HP]		10	10	10	10
Poles		6	6	6	6
Frequency [Hz]		60	50	50	50
Rated voltage [V]		230/460	380	400	415
Rated current [A]		26.6/13.3	15.4	14.8	14.4
L. R. Amperes [A]		173/86.5	78.5	84.4	87.8
LRC [A]		6.5x(Code H)	5.1x(Code F)	5.7x(Code G)	6.1x(Code H)
No load current [A]		12.0/6.00	6.40	6.80	7.20
Rated speed [RPM]		1175	965	970	975
Slip [%]		2.08	3.50	3.00	2.50
Rated torque [kgfm]		6.17	7.50	7.48	7.44
Locked rotor torque [%]		229	170	200	220
Breakdown torque [%]		280	220	240	260
Service factor		1.25	1.00	1.15	1.15
Temperature rise		80 K	105 K	105 K	80 K
Locked rotor time		46s (cold) 26s (hot)	39s (cold) 22s (hot)	39s (cold) 22s (hot)	39s (cold) 22s (hot)
Noise level²		59.0 dB(A)	57.0 dB(A)	57.0 dB(A)	57.0 dB(A)
Efficiency (%)	25%				
	50%	90.2	90.2	90.2	89.5
	75%	91.0	89.5	90.2	90.2
	100%	91.0	89.1	89.5	89.5
Power Factor	25%				
	50%	0.63	0.66	0.63	0.60
	75%	0.74	0.79	0.77	0.75
	100%	0.78	0.83	0.82	0.81

Losses at normative operating points (speed;torque), in percentage of rated output power

Losses (%)	P1 (0,9;1,0)	9.8	9.8	9.8	9.8
	P2 (0,5;1,0)	8.4	8.4	8.4	8.4
	P3 (0,25;1,0)	7.8	7.8	7.8	7.8
	P4 (0,9;0,5)	5.0	5.0	5.0	5.0
	P5 (0,5;0,5)	3.6	3.6	3.6	3.6
	P6 (0,5;0,25)	2.5	2.5	2.5	2.5
	P7 (0,25;0,25)	1.8	1.8	1.8	1.8

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

Foundation loads

Max. traction : 235 kgf

Max. compression : 374 kgf

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).

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

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DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Notes
USABLE @208V 28.5A SF 1.15 SFA 32.8A

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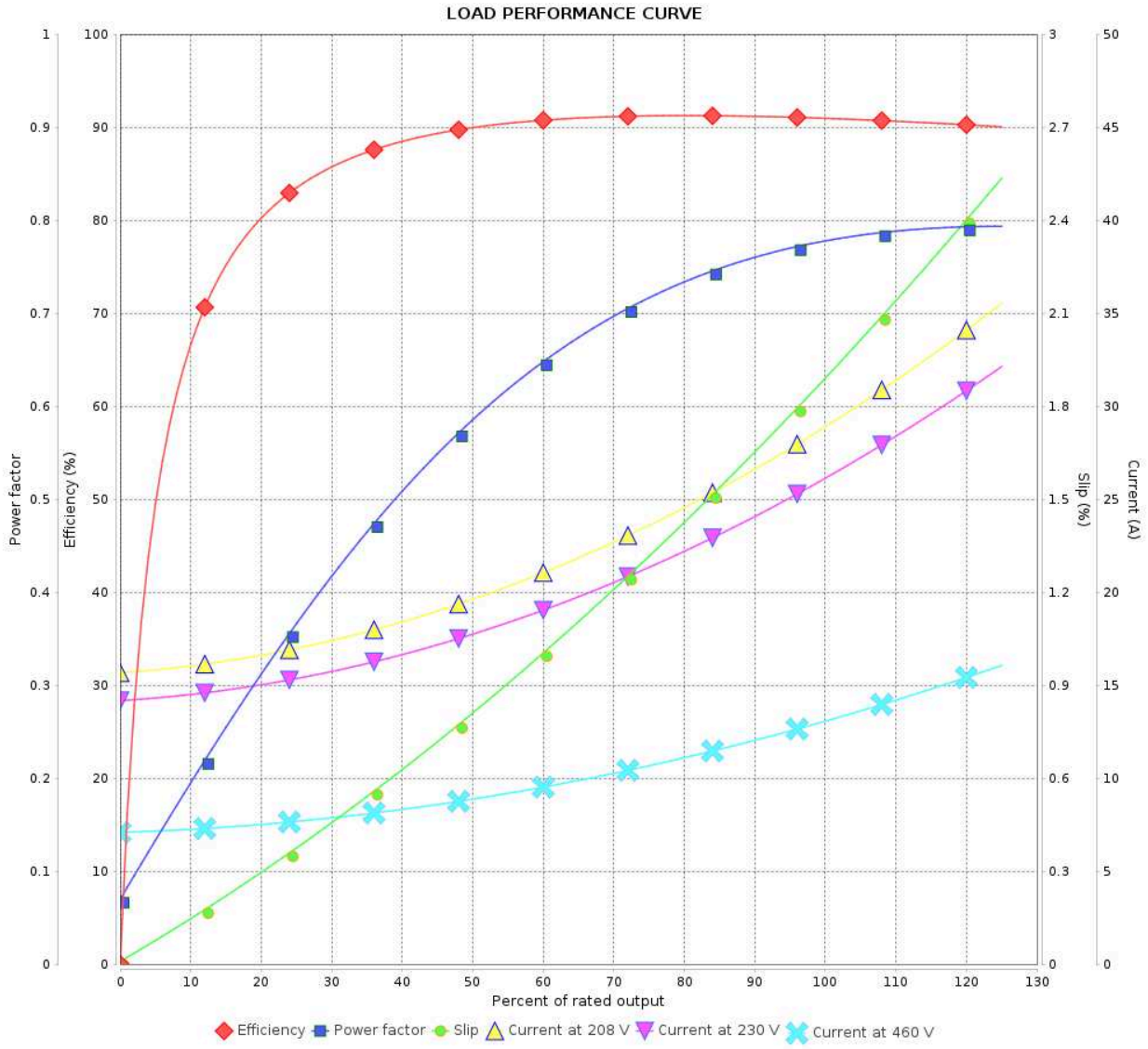
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 Close Coupled Pump JM NEMA Premium Efficiency Three-Phase	Product code :	12941830



Performance	: 230/460 V 60 Hz 6P		
Rated current	: 26.6/13.3 A	Moment of inertia (J)	: 0.1867 kgm²
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 6.17 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.25
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 1175 rpm	Design	: B

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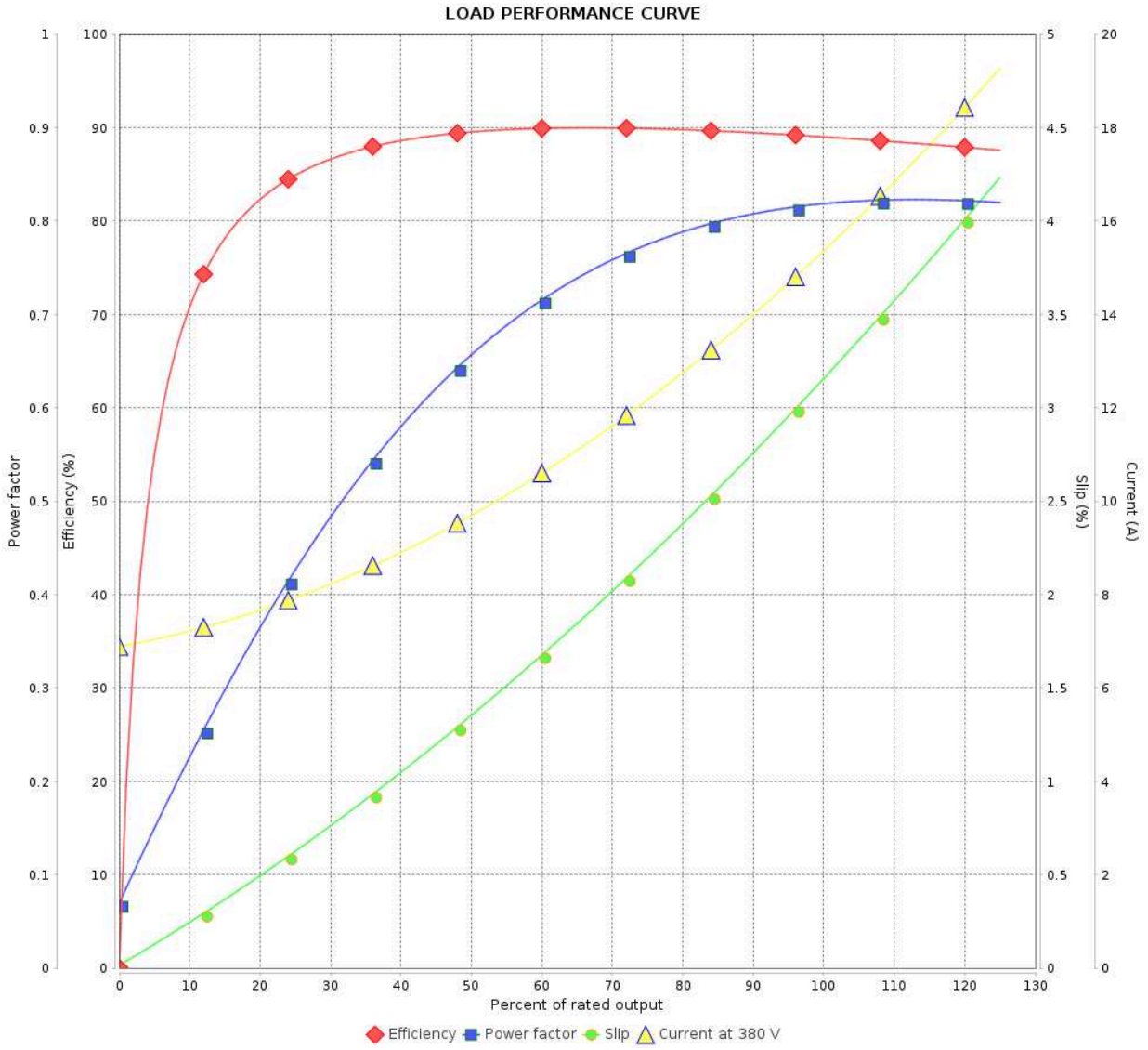
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 Close Coupled Pump JM NEMA Premium Efficiency Three-Phase

Product code : 12941830



Performance	: 380 V 50 Hz 6P IE3		
Rated current	: 15.4 A	Moment of inertia (J)	: 0.1867 kgm²
LRC	: 5.1	Duty cycle	: Cont.(S1)
Rated torque	: 7.50 kgfm	Insulation class	: F
Locked rotor torque	: 170 %	Service factor	: 1.00
Breakdown torque	: 220 %	Temperature rise	: 105 K
Rated speed	: 965 rpm	Design	: B

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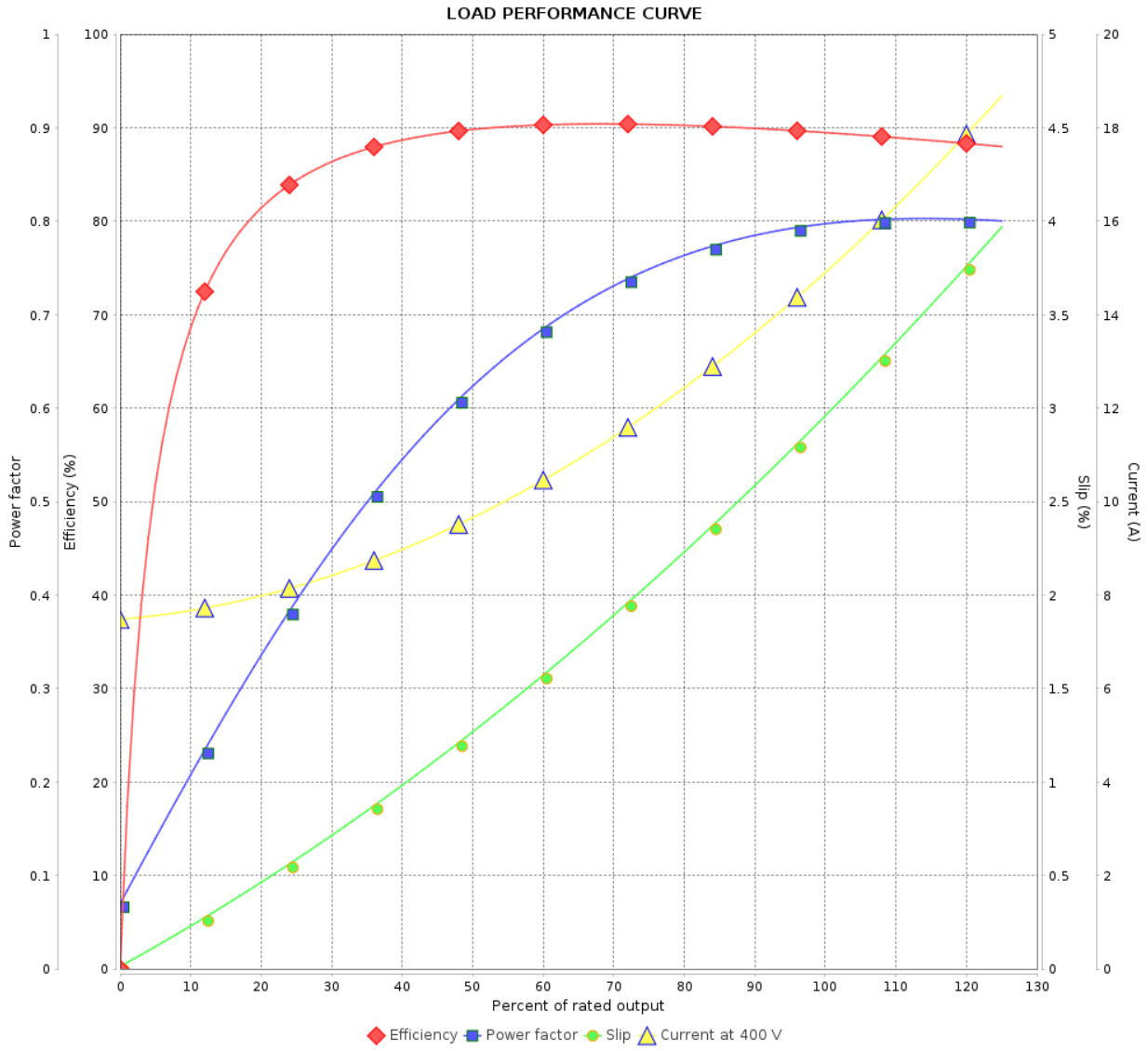
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 Close Coupled Pump JM NEMA Premium Efficiency Three-Phase	Product code :	12941830



Performance	: 400 V 50 Hz 6P IE3		
Rated current	: 14.8 A	Moment of inertia (J)	: 0.1867 kgm²
LRC	: 5.7	Duty cycle	: Cont.(S1)
Rated torque	: 7.48 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 240 %	Temperature rise	: 105 K
Rated speed	: 970 rpm	Design	: B

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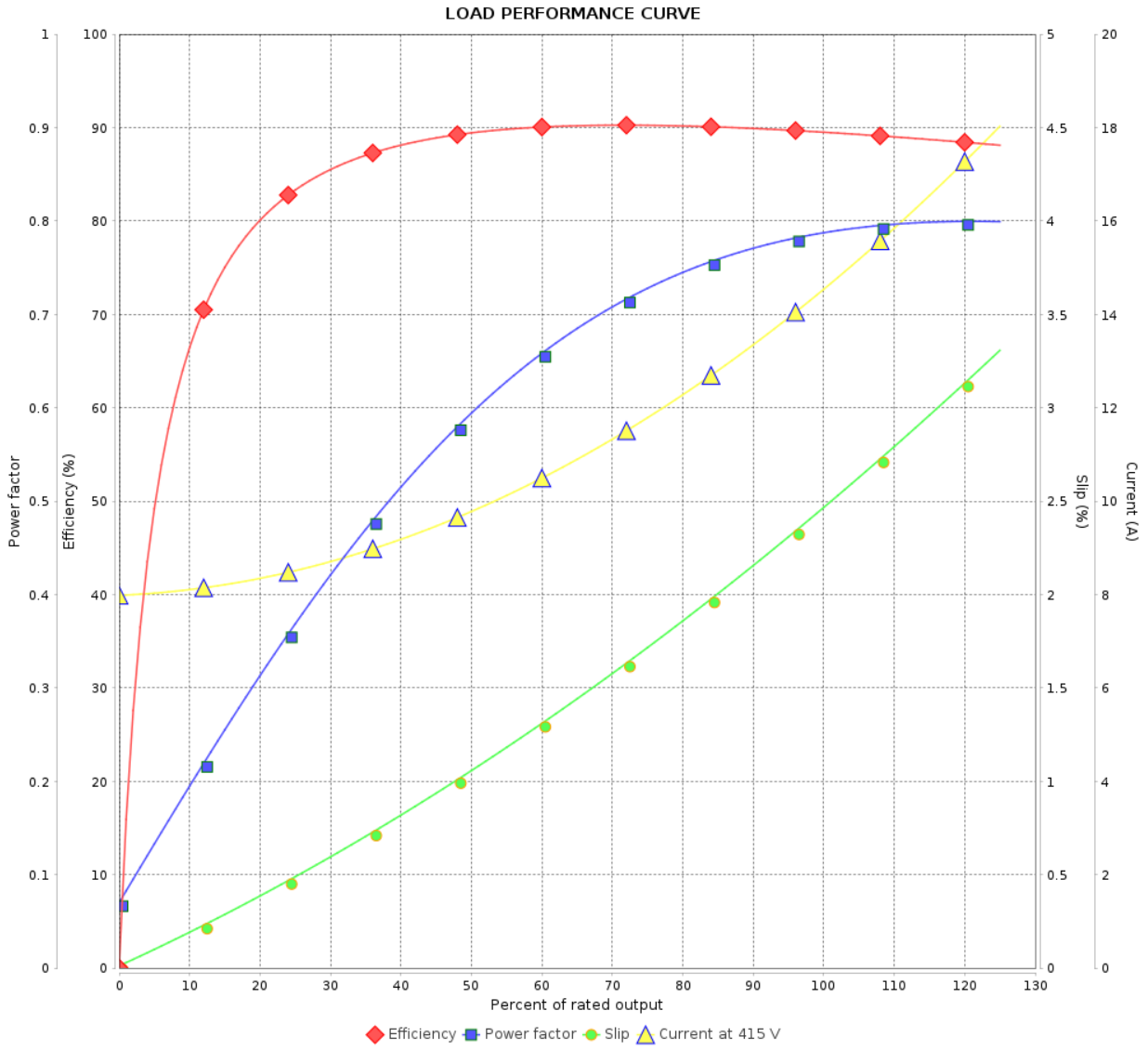
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 Close Coupled Pump JM NEMA Premium Efficiency Three-Phase

Product code : 12941830

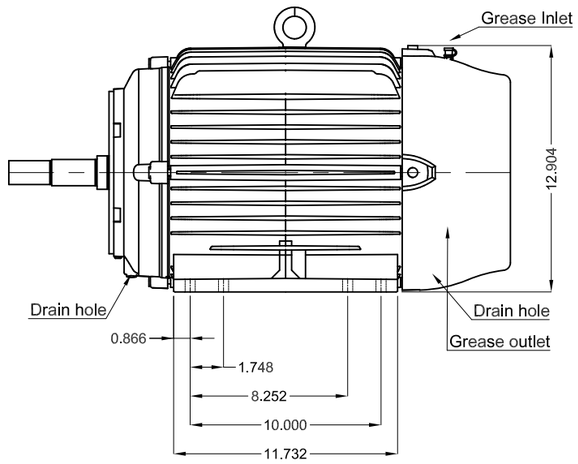


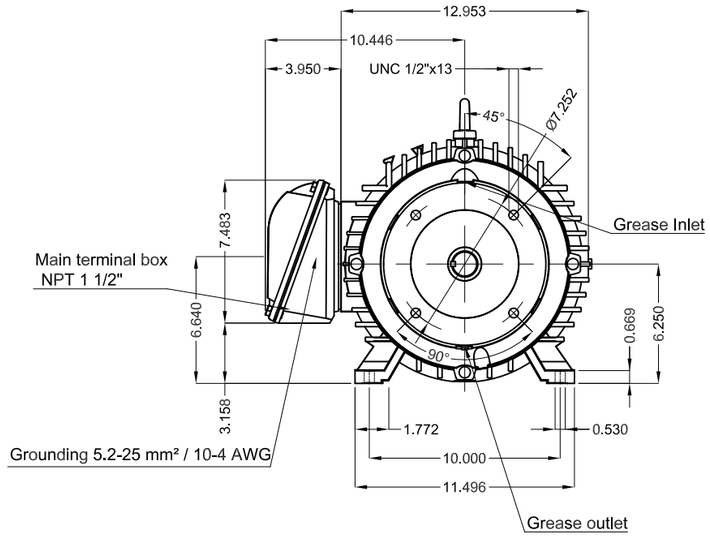
Performance	: 415 V 50 Hz 6P IE3		
Rated current	: 14.4 A	Moment of inertia (J)	: 0.1867 kgm²
LRC	: 6.1	Duty cycle	: Cont.(S1)
Rated torque	: 7.44 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 975 rpm	Design	: B

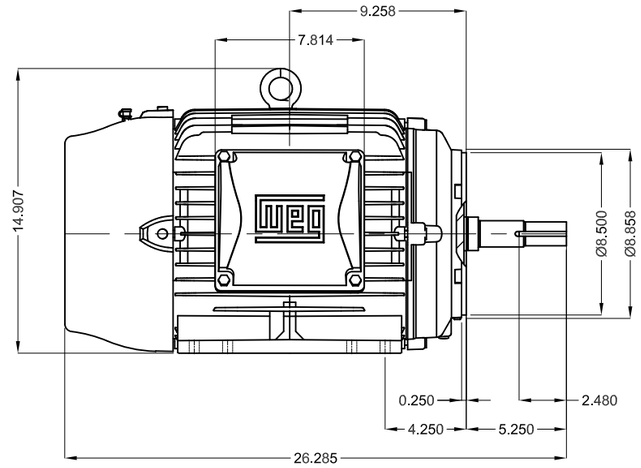
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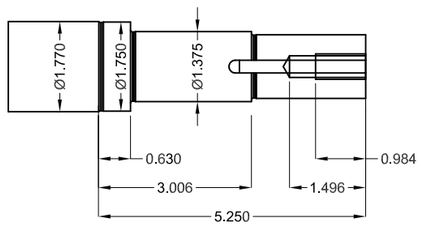
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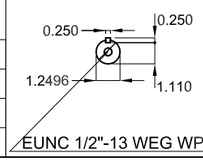








DE Shaft End



EUNC 1/2"-13 WEG WPR-7309

Color RAL 5009
Painting plan 203A
Mounting NEMA F-1
Mounting B34R(D)

10 HP 06 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 JM/JP/JET PUMP W22 NEMA PREM. EFF.
FRAME 254/6JM IP55 TEFC

PREVIEW

WDD 00

SHEET /

Dimensions in inches

A3

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