DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W40 JP Pump NEMA Premium Efficiency Three-Phase

Product code : 15860076

Frame	: 364/5JP	Locked rotor time	: 25s (cold) 14s (hot)
Output	: 75 HP (55 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 68.4 A	Protection degree	: IP23
L. R. Amperes	: 465 A	Cooling method	: IC01 - ODP
LRC	: 6.8x(Code G)	Mounting	: F-1
No load current	: 24.4 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1780 rpm	Noise level[2]	: 69.0 dB(A)
Slip	: 1.11 %	Starting method	: Direct On Line
Rated torque	: 30.6 kgfm	Approx. weight[3]	: 360 kg
Locked rotor torque	: 220 %		
Breakdown torque	: 260 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.7059 kgm²		
Design	: B		

Output	50%	75%	100%
Efficiency (%)	94.5	95.0	95.0
Power Factor	0.73	0.82	0.85

Foundation loads

Max. traction : 714 kgf

Max. compression : 1074 kgf

		Drive end	Non drive end
Bearing type	:	6314 C3	6212 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	27 g	13 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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Date	30/10/2024		1 / 2	

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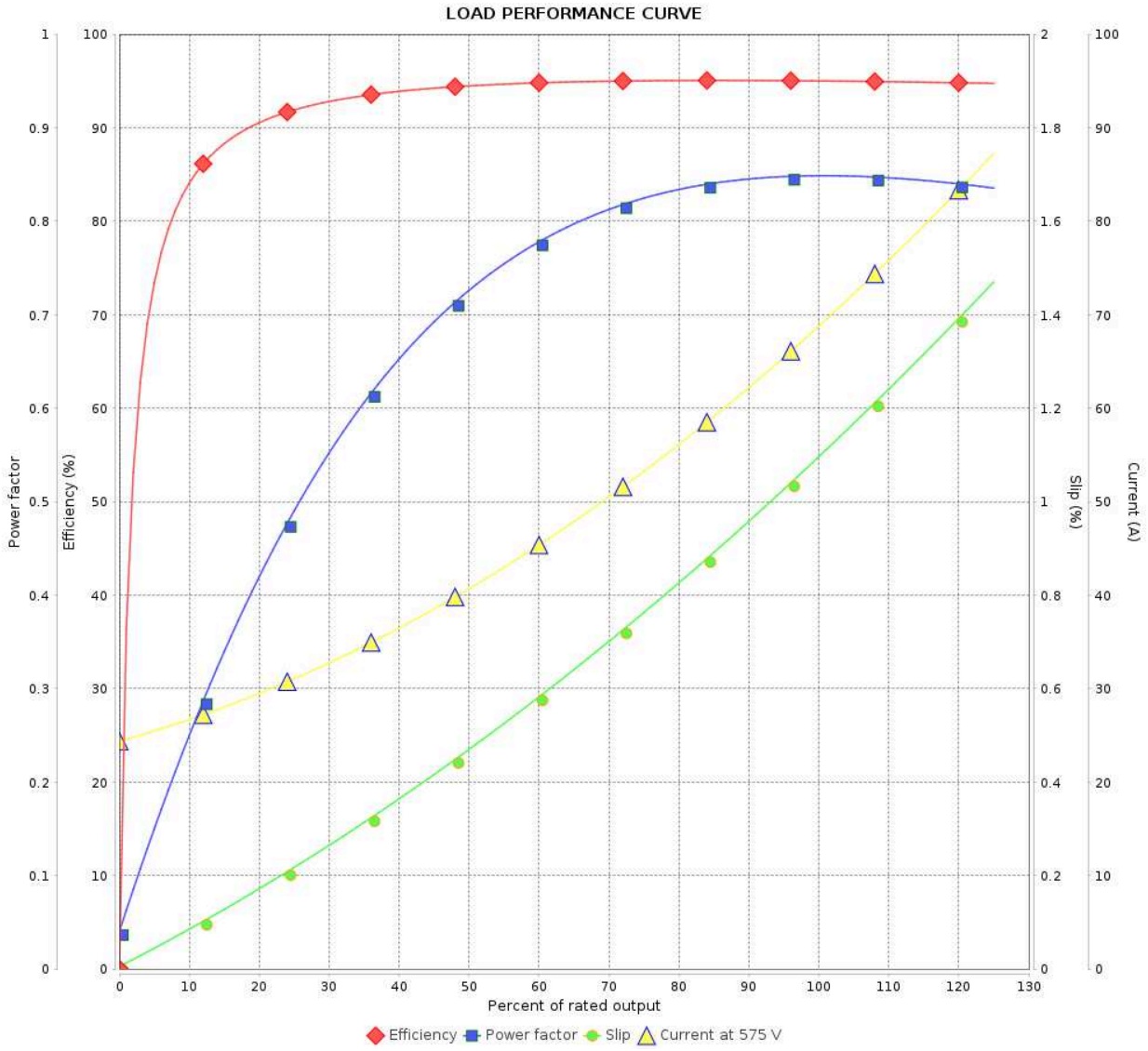
LOAD PERFORMANCE CURVE

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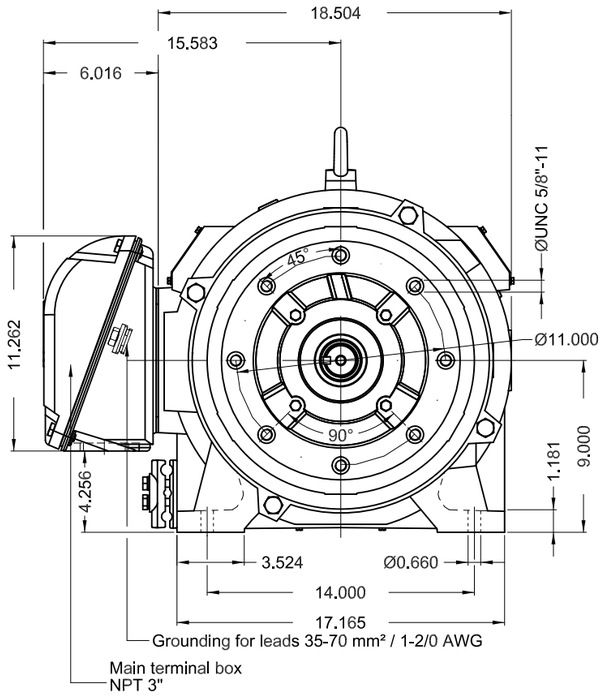


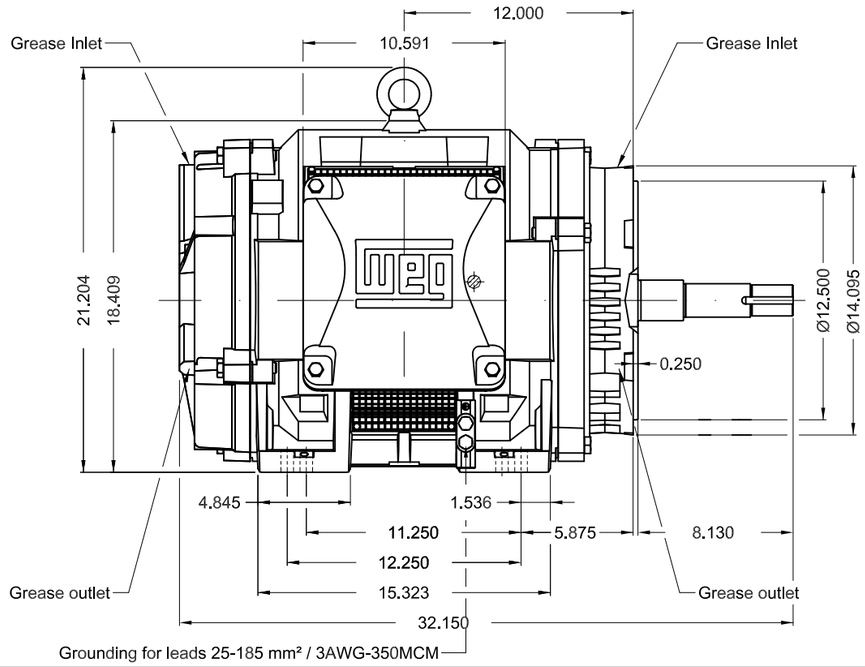
Performance	: 575 V 60 Hz 4P		
Rated current	: 68.4 A	Moment of inertia (J)	: 0.7059 kgm²
LRC	: 6.8	Duty cycle	: Cont.(S1)
Rated torque	: 30.6 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.25
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 1780 rpm	Design	: B

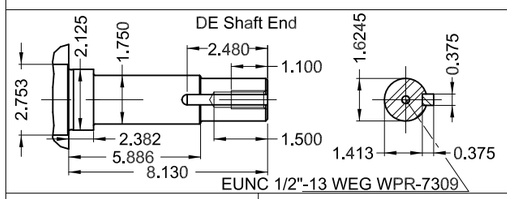
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Color RAL 5009
Painting plan 203A
Mounting NEMA F-1
Mounting B34R(D)

75 HP 04 Poles 60 Hz — A

1:8

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR W40 CLOSE COUPLED PUMP JP TYPE NEMA PREM EFF
FRAME 364/5JP IP23 ODP

WMO Jaragua do Sul Product Engineering

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

XME A3

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