DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency Three-Phase

Product code : 11943107

Frame	: 364/5T
Output	: 40 HP (30 kW)
Poles	: 6
Frequency	: 60 Hz
Rated voltage	: 575 V
Rated current	: 37.2 A
L. R. Amperes	: 238 A
LRC	: 6.4x(Code G)
No load current	: 13.2 A
Rated speed	: 1183 rpm
Slip	: 1.42 %
Rated torque	: 24.5 kgfm
Locked rotor torque	: 200 %
Breakdown torque	: 240 %
Insulation class	: F
Service factor	: 1.25
Moment of inertia (J)	: 1.22 kgm²
Design	: B

Locked rotor time	: 37s (cold) 21s (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]	: 66.0 dB(A)
Starting method	: Direct On Line
Approx. weight[3]	: 406 kg

Output	50%	75%	100%
Efficiency (%)	93.6	93.6	94.1
Power Factor	0.73	0.82	0.86

Foundation loads

Max. traction : 458 kgf

Max. compression : 864 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)
6.1	5.0	4.4	2.8	1.9	1.1	0.8

		Drive end	Non drive end
Bearing type	:	6314 C3	6314 C3
Sealing	:	Taconite Labyrinth	Taconite Labyrinth
Lubrication interval	:	17000 h	17000 h
Lubricant amount	:	27 g	27 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

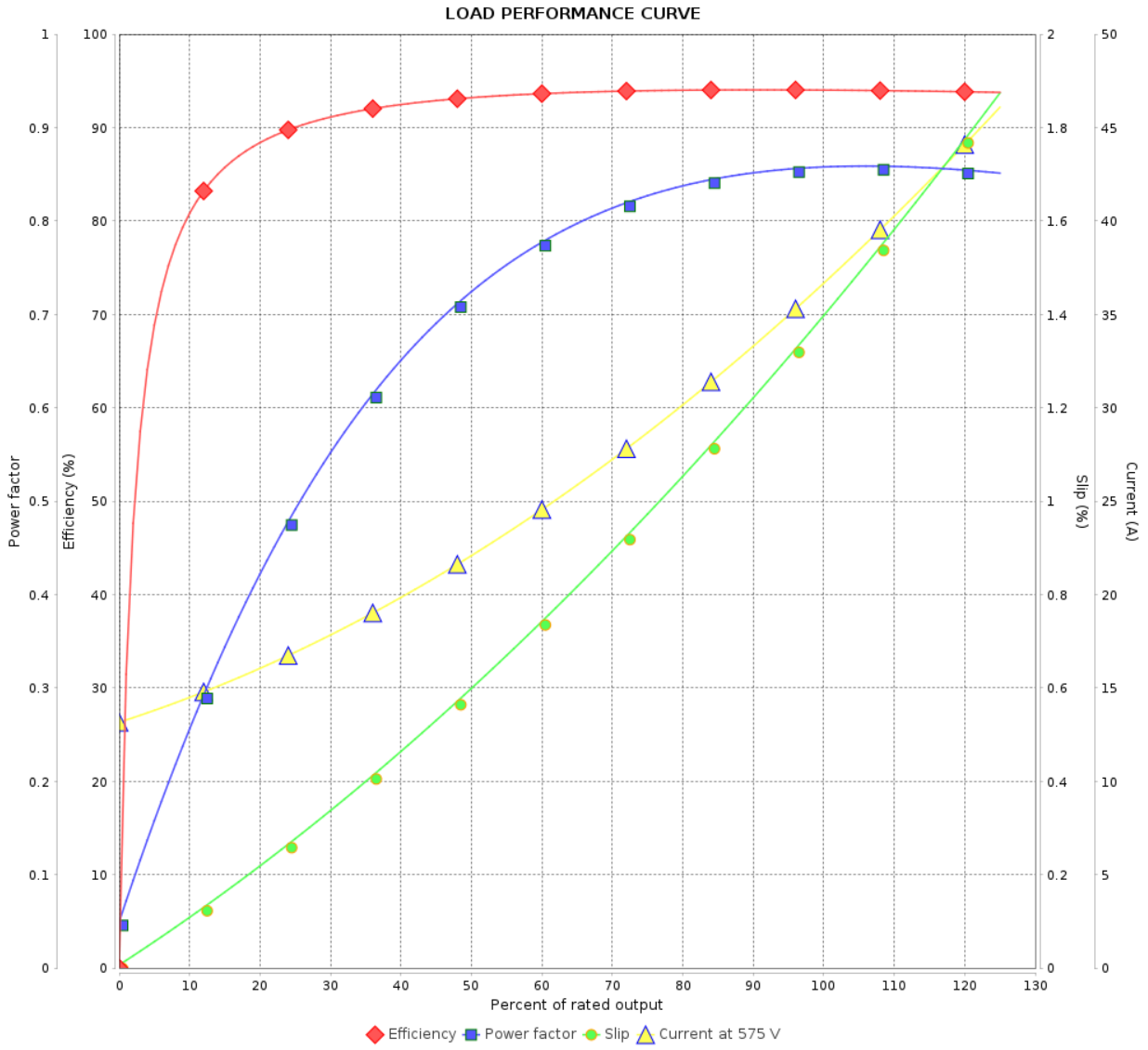
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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Product line	: W22 IEEE 841 NEMA Premium Efficiency Three-Phase	Product code :	11943107

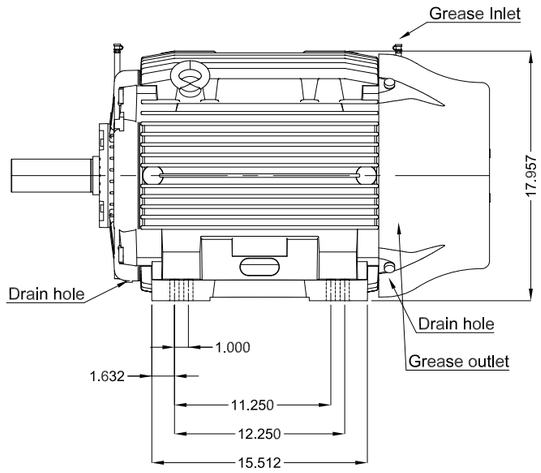


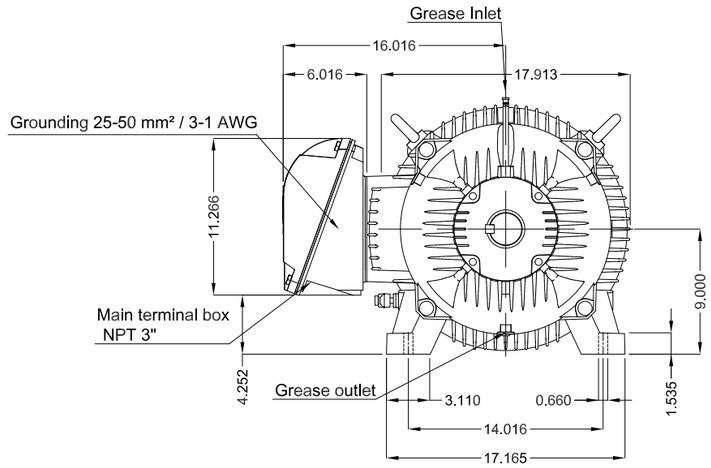
Performance	: 575 V 60 Hz 6P		
Rated current	: 37.2 A	Moment of inertia (J)	: 1.22 kgm²
LRC	: 6.4	Duty cycle	: Cont.(S1)
Rated torque	: 24.5 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.25
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 1183 rpm	Design	: B

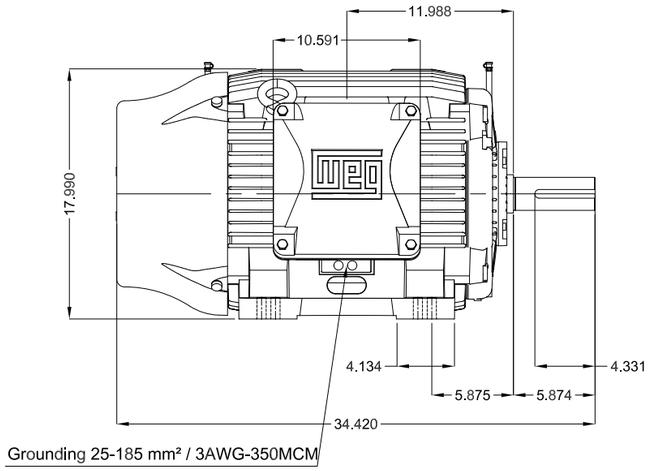
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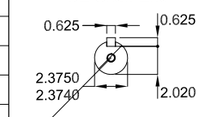






Without vertical jackscrews
Sealing - Taconite labyrinth
Grease outlet according to IEEE841
Color RAL 5009
Painting plan 222E
Mounting B3R(D)

DE Shaft End



DUNC 3/4"-10 WEG WPR-7339

40 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 IEEE 841 W22 NEMA PREM. EFF.
FRAME 364/5T IP55 TEFC

PREVIEW
WDD | 00
SHEET /

Dimensions in inches

A3

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