DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase

Product code : 15037011

Frame	: 364/5LP	Locked rotor time	: 28s (cold) 16s (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	: 66.5 A	Protection degree	: IP55
L. R. Amperes	: 466 A	Cooling method	: IC411 - TEFC
LRC	: 7.0x(Code G)	Mounting	: W-6
No load current	: 22.4 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1780 rpm	Noise level[2]	: 75.0 dB(A)
Slip	: 1.11 %	Starting method	: Direct On Line
Rated torque	: 30.6 kgfm	Approx. weight[3]	: 496 kg
Locked rotor torque	: 240 %		
Breakdown torque	: 290 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.9798 kgm²		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	94.5	95.0	95.4
Power Factor	0.00	0.74	0.83	0.87

Foundation loads

Max. traction

Max. compression

		Drive end	Non drive end
Bearing type	:	6314	7311BECB
Sealing	:	Oil Seal	Lip Seal
Lubrication interval	:	4895 h	4784 h
Lubricant amount	:	27 g	18 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	29/10/2024		1 / 2	

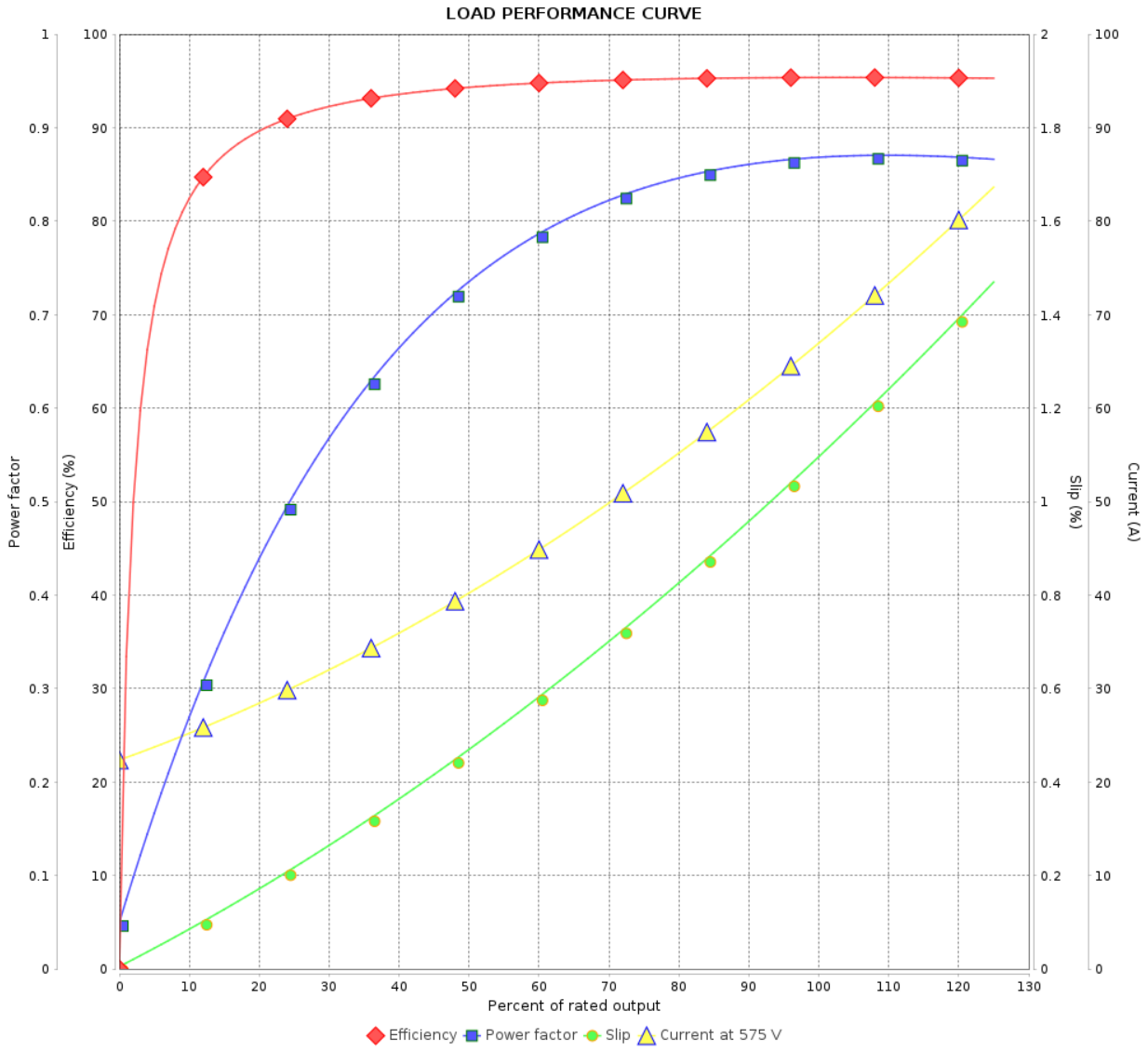
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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Product line	: W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase	Product code :	15037011



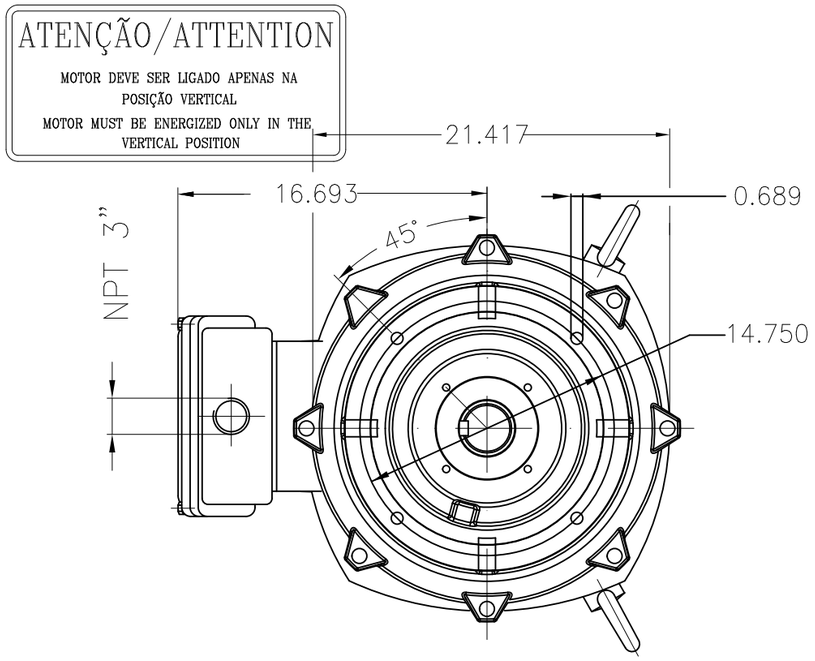
Performance	: 575 V 60 Hz 4P

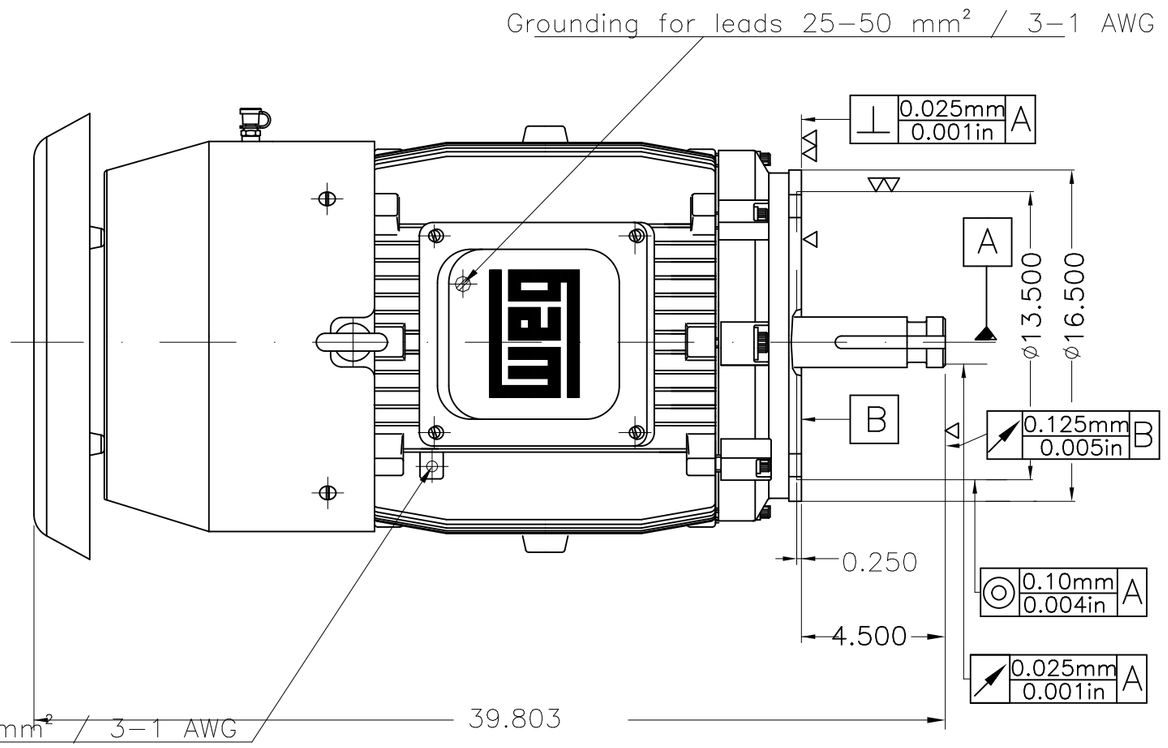
Rated current	: 66.5 A	Moment of inertia (J)	: 0.9798 kgm²
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 30.6 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.25
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 1780 rpm	Design	: B

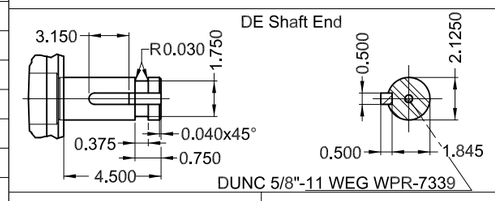
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Fan cover - steel plate
Sealing - oil seal ring
Rubber drain plug
Without switch off thermal protection
B key
Grease - Mobil Polyrex EM
Plastic flat plug
Class F insulation - 80K temperature rise
Without Space Heaters
Shaft material - SAE/ABNT 1040/45
Without terminal block
NDE sealing - lip seal
Aluminum fan
Bearing cap
Reduced balancing with half key
Without epoxi in the cables outlet
Certification CSA/UL
Packing - crate
Without thermal protection on bearings
With grease fitting
Color RAL 5009
Painting plan 203A
Service factor 1.25
Mounting NEMA W-6
Mounting V1

75 HP 04 Poles 60 Hz | A

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

EXECUTED	HYBRISUSER	THREE PH. MOTOR IN LINE EXTRA THRUST NEMA PREM. EFF.	PREVIEW
CHECKED		FRAME 364/5LP IP55 TEFC	WDD 00
RELEASED			
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET 1 / 1

Dimensions in inches

XME A3

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