DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

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

Product code : 16665416

Frame	: 184LP	Locked rotor time	: 46s (cold) 26s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 6.10 A	Protection degree	: IP55
L. R. Amperes	: 45.7 A	Cooling method	: IC411 - TEFC
LRC	: 7.5x(Code J)	Mounting	: W-6
No load current	: 2.25 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 3495 rpm	Noise level[2]	: 69.0 dB(A)
Slip	: 2.92 %	Starting method	: Direct On Line
Rated torque	: 1.04 kgfm	Approx. weight[3]	: 70.0 kg
Locked rotor torque	: 229 %		
Breakdown torque	: 330 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0080 kgm²		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	85.5	87.5	88.5
Power Factor	0.00	0.70	0.81	0.86

Foundation loads

Max. traction : 0 kgf

Max. compression : 0 kgf

		Drive end	Non drive end
Bearing type	:	6206 C3	7306BECB
Sealing	:	Oil Seal	Lip Seal
Lubrication interval	:	13463 h	8437 h
Lubricant amount	:	5 g	7 g
Lubricant type	:	Mobil Polyrex EM	

Notes
IN LINE EXTRA THRUST
NEMA Premium Efficiency

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	17/07/2026		1 / 2	

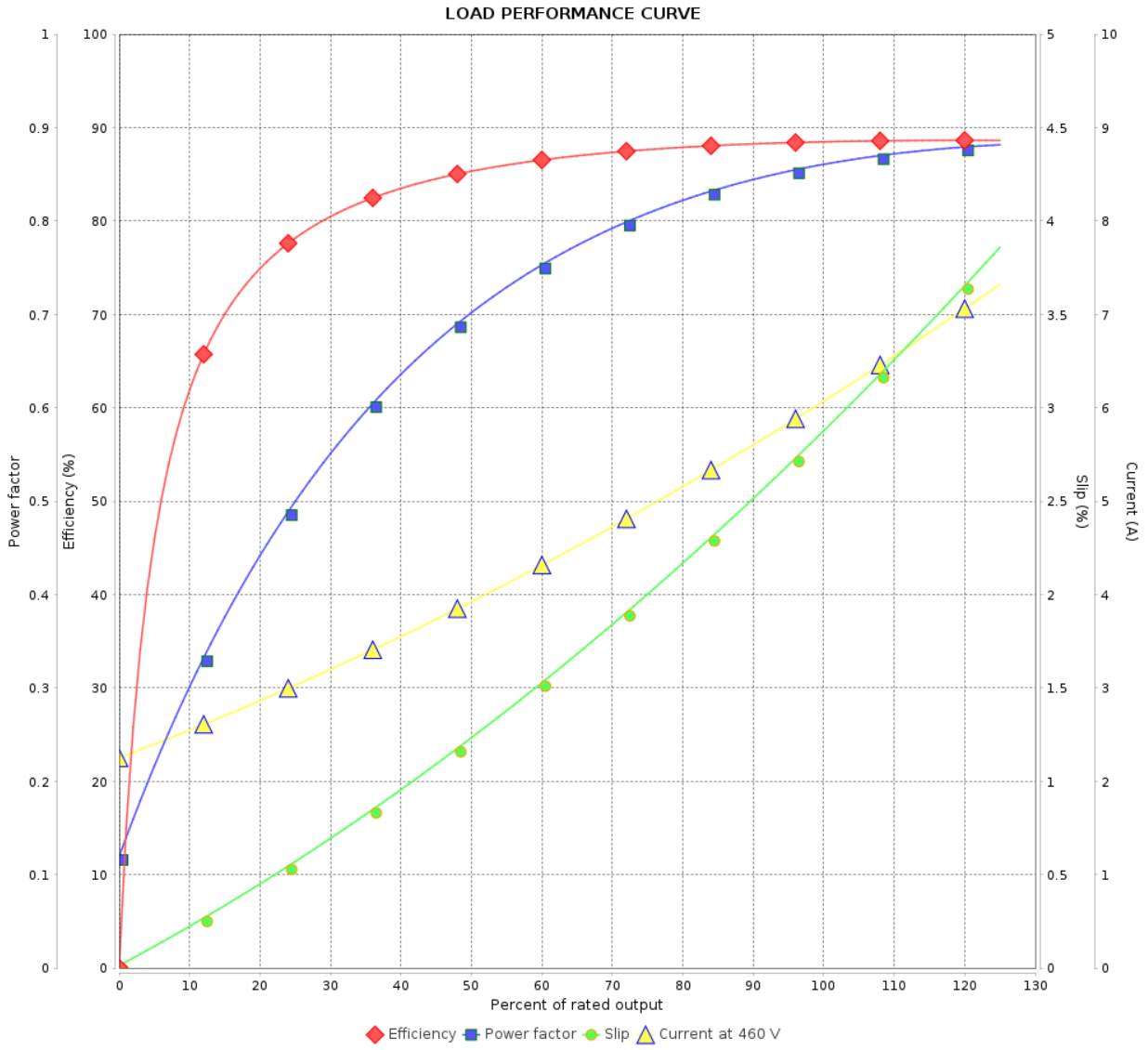
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase	Product code :	16665416



Performance	: 460 V 60 Hz 2P

Rated current	: 6.10 A	Moment of inertia (J)	: 0.0080 kgm²
LRC	: 7.5	Duty cycle	: Cont.(S1)
Rated torque	: 1.04 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 3495 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date

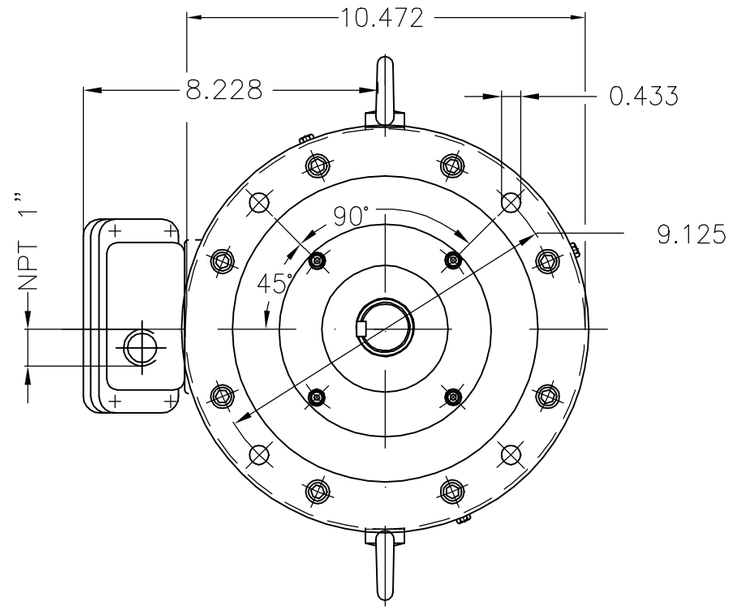
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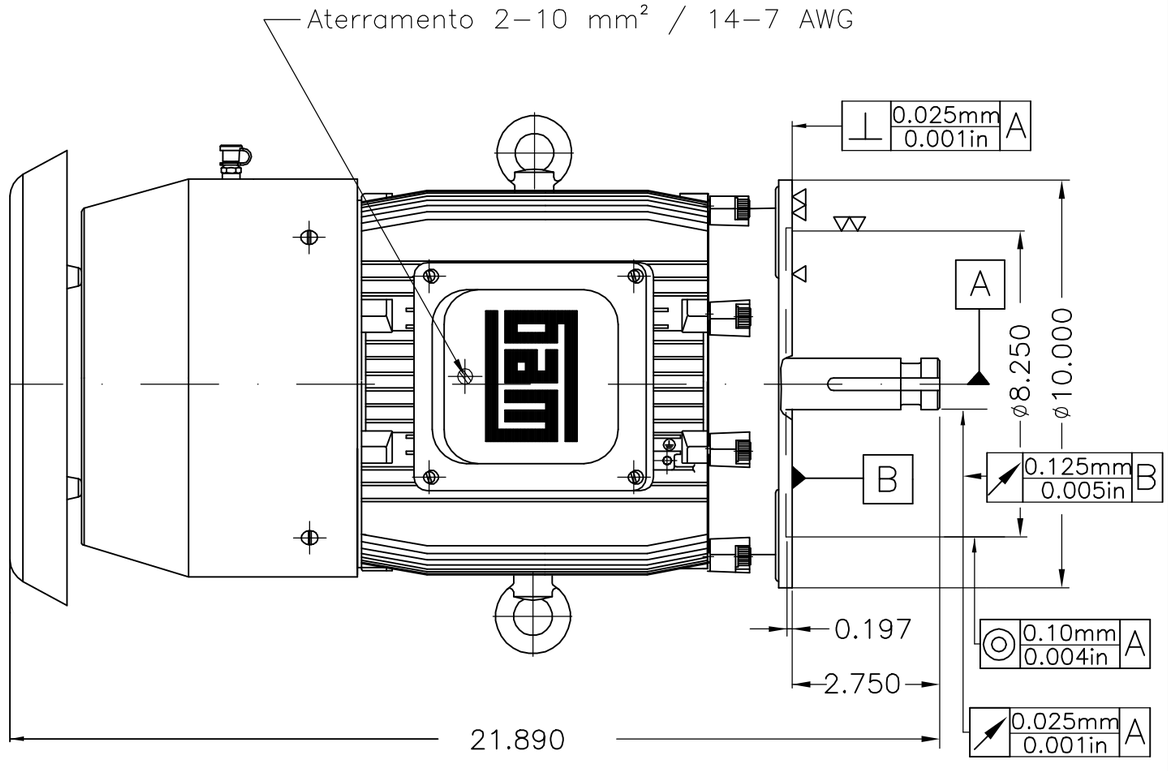
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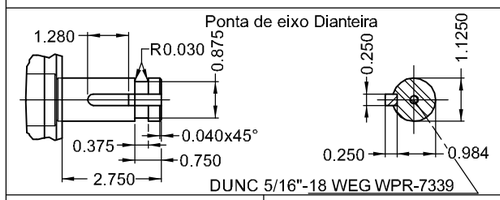
ATENÇÃO/ATTENTION

MOTOR DEVE SER LIGADO APENAS NA POSIÇÃO VERTICAL

MOTOR MUST BE ENERGIZED ONLY IN THE VERTICAL POSITION







Placa de identificação com a informação da linha do inversor especial	
Forma construtiva NEMA W-6	
Forma construtiva V1	

5 HP 02 Polos 60 Hz | A

V.J. PAMENSKY CANADA INC.

500002139162		INITIAL ISSUE - CLAIM 419849973	NOERNBERG	NOERNBERG	AMANDAL	27.05.2022	00
ECM	LOC	RESUMO MODIFICAÇÃO	EXECUTADO	VERIFICADO	LIBERADO	DATA	VER

EXECUTOR	NOERNBERG	MOTOR TRIFÁSICO IN LINE EXTRA THRUST	10009742251	
VERIFICADOR	NOERNBERG	CARCAÇA 184LP IP55 TEFC	000	00
LIBERADOR	AMANDAL			
DATA LB.	27.05.2022	WMO Jaragua do Sul Engenharia de Produto	FOLHA	1 / 1

CÓPIA SEM CONTROLE
Dimensões em polegada
LIBERADO
A3
ZME

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