DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

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

Product code : 15845772

Frame	: 184LP	Locked rotor time	: 30s (cold) 17s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 6.57 A	Protection degree	: IP55
L. R. Amperes	: 46.6 A	Cooling method	: IC411 - TEFC
LRC	: 7.1x(Code J)	Mounting	: W-6
No load current	: 3.10 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1750 rpm	Noise level[2]	: 56.0 dB(A)
Slip	: 2.78 %	Starting method	: Direct On Line
Rated torque	: 2.07 kgfm	Approx. weight[3]	: 71.0 kg
Locked rotor torque	: 250 %		
Breakdown torque	: 330 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0156 kgm²		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	86.5	88.5	89.5
Power Factor	0.00	0.59	0.71	0.79

Foundation loads

Max. traction

Max. compression

		Drive end	Non drive end
Bearing type	:	6206 C3	7306BECB
Sealing	:	Oil Seal	Lip Seal
Lubrication interval	:	19765 h	16157 h
Lubricant amount	:	5 g	7 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	30/10/2024		1 / 2	

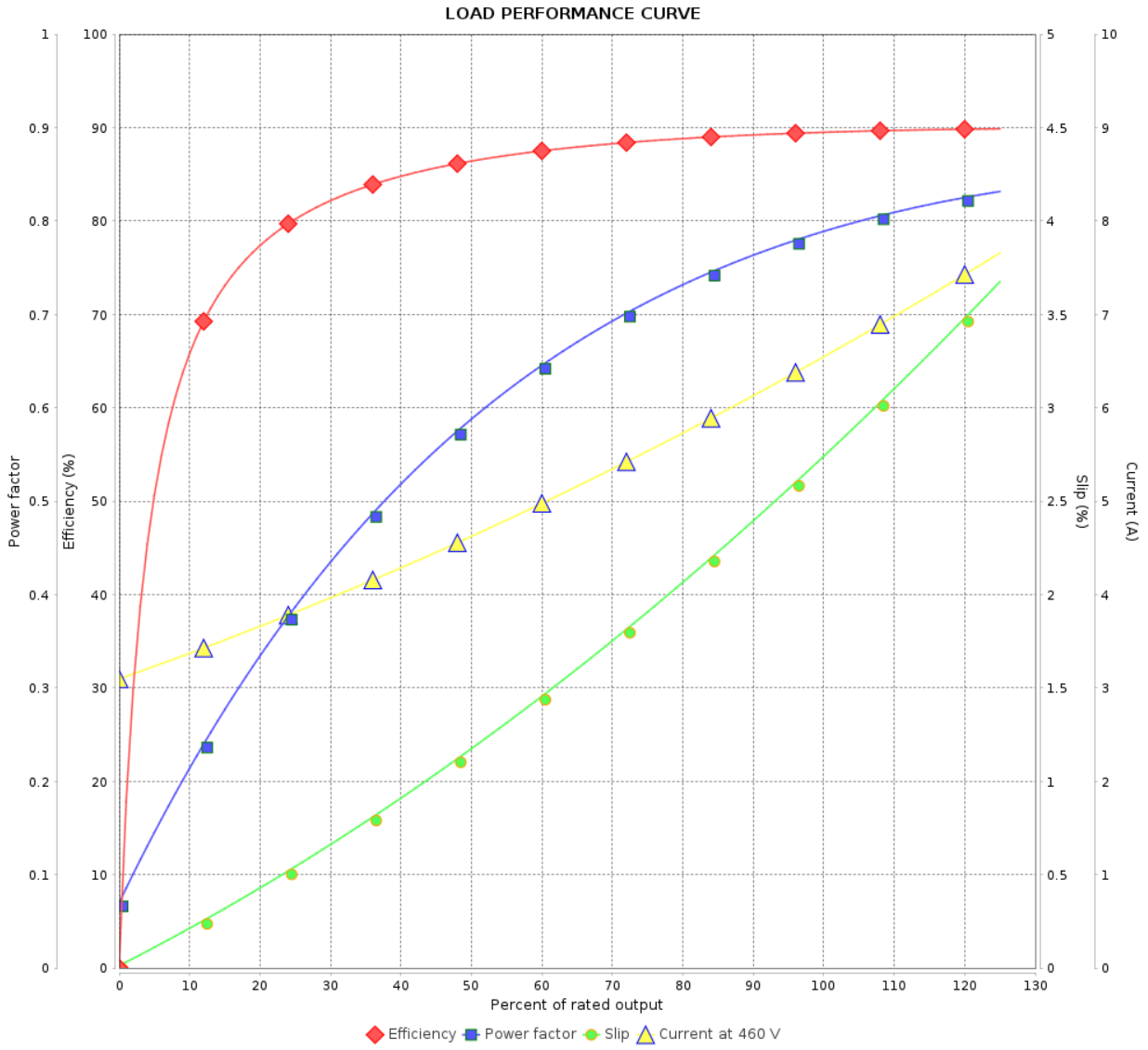
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.
Subject to change without notice

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase	Product code :	15845772



Performance	: 460 V 60 Hz 4P

Rated current	: 6.57 A	Moment of inertia (J)	: 0.0156 kgm²
LRC	: 7.1	Duty cycle	: Cont.(S1)
Rated torque	: 2.07 kgfm	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 1750 rpm	Design	: B

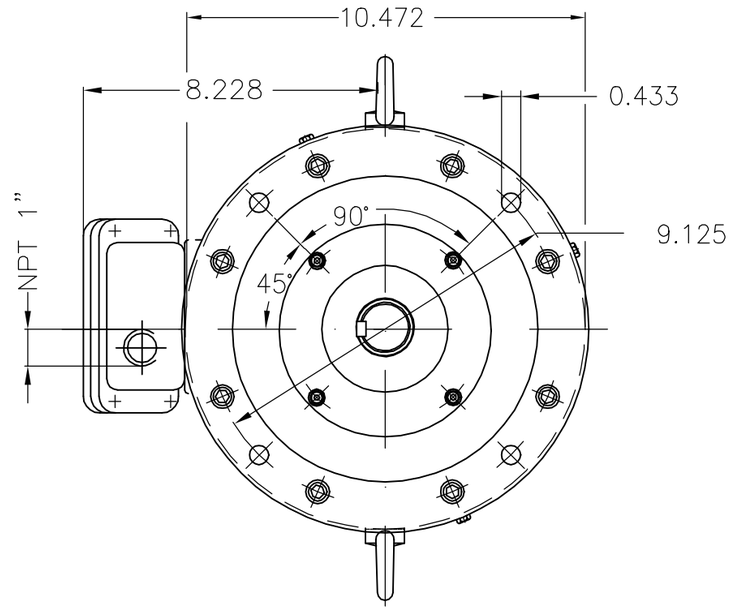
Rev.	Changes Summary	Performed	Checked	Date

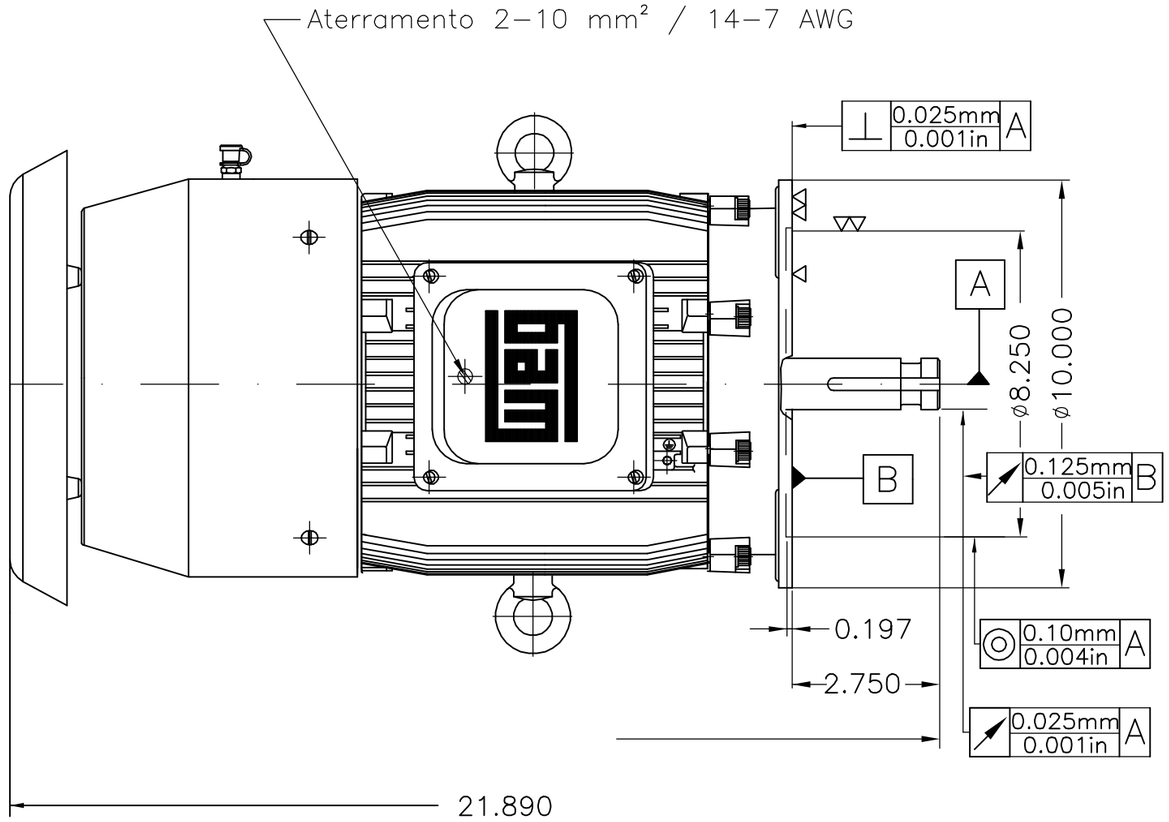
Performed by				
Checked by			Page	Revision
Date	30/10/2024		2 / 2	

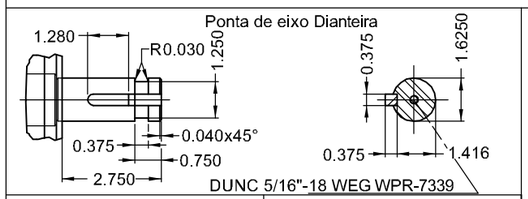
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.
Subject to change without notice

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
Forma construtiva NEMA W-6
Forma construtiva V1

5 HP 04 Polos 60 Hz | A

V.J. PAMENSKY CANADA INC.

ECM	LOC	RESUMO MODIFICAÇÃO	EXECUTADO	VERIFICADO	LIBERADO	DATA	VER
500002148791		ALT CONFORME 418229042	CLAUDEMIRR	JACKSONDC	JACKSONDC	14.06.2022	01
500001885176		INITIAL ISSUE 417654340/0-ELET	DVEGINI	CLEITONGS	AMANDAL	04.02.2021	00

EXECUTOR	DVEGINI	MOTOR TRIFÁSICO IN LINE EXTRA THRUST	10008297958		
VERIFICADOR	CLEITONGS	CARCAÇA 184LP IP55 TEFC	000	01	
LIBERADOR	AMANDAL				
DATA LB.	04.02.2021	WMO Jaragua do Sul Engenharia de Produto	FOLHA	1 / 1	

CÓPIA SEM CONTROLE
Dimensões em polegada
LIBERADO
A3
ZME

Propriedade da WEG. Proibida reprodução sem autorização prévia.

1174431302-01