DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W40 High Efficiency Three-Phase Product code : 16387626

Frame	: 284/6TS	Locked rotor time	: 28s (cold) 16s (hot)
Output	: 40 HP (30 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 200-208/400 V	Altitude	: 1000 m.a.s.l.
Rated current	: 110-106/54.9 A	Protection degree	: IP23
L. R. Amperes	: 682-657/340 A	Cooling method	: IC01 - ODP
LRC	: 6.2x(Code G)	Mounting	: F-1
No load current	: 34.8-39.0/27.3 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 3530 rpm	Noise level[2]	: 73.0 dB(A)
Slip	: 1.94 %	Starting method	: Direct On Line
Rated torque	: 8.22 kgfm	Approx. weight[3]	: 150 kg
Locked rotor torque	: 200 %		
Breakdown torque	: 210 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0746 kgm²		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	91.0	91.7	91.7
Power Factor	0.00	0.75	0.83	0.86

Foundation loads

Max. traction	: 0 kgf
Max. compression	: 0 kgf

		Drive end	Non drive end
Bearing type	:	6311 Z C3	6211 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	18 g	11 g
Lubricant type	:	Mobil Polyrex EM	

Notes
W40 NEMA High 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	09/07/2026		1 / 2	

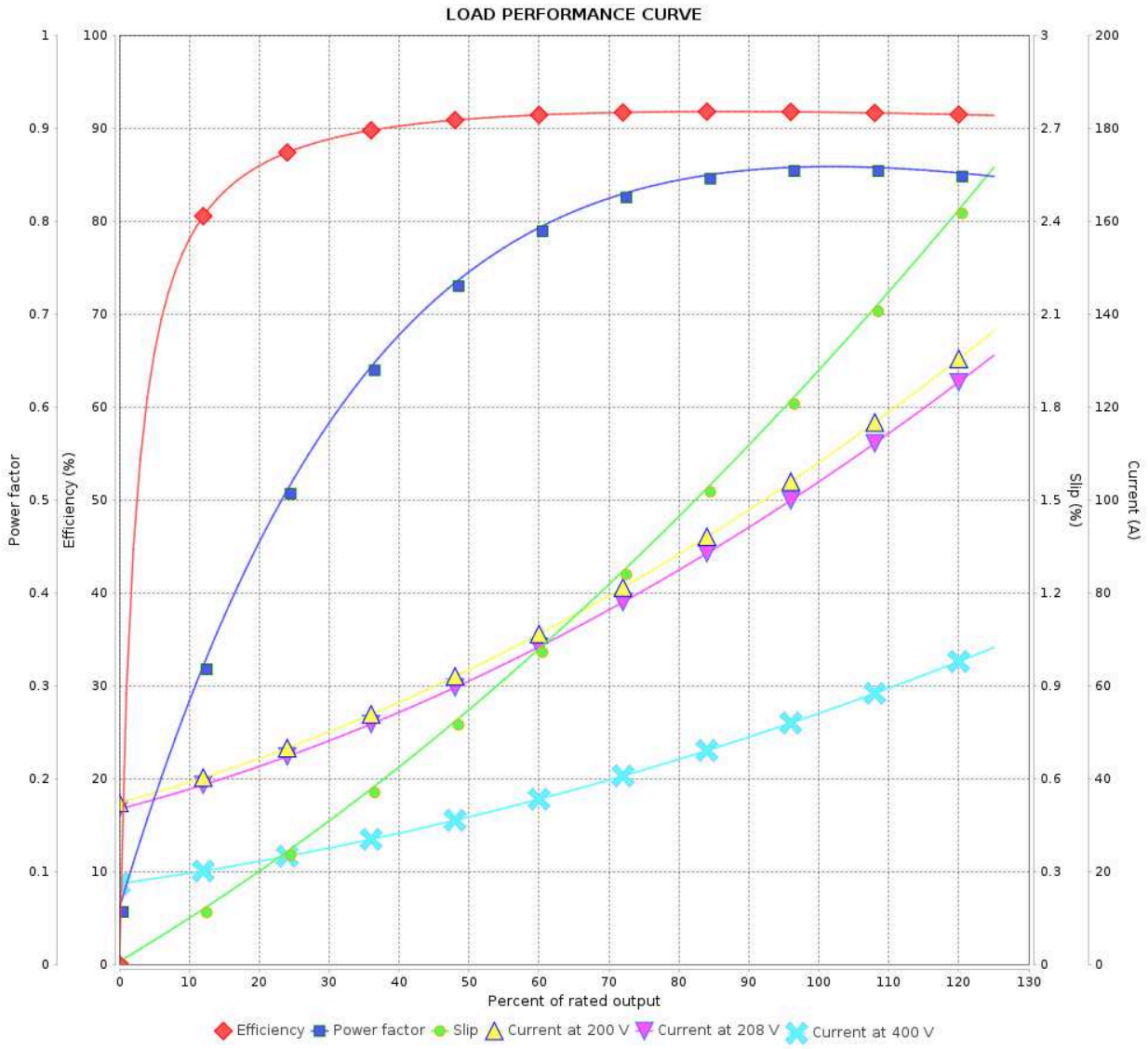
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W40 High Efficiency Three-Phase Product code : 16387626

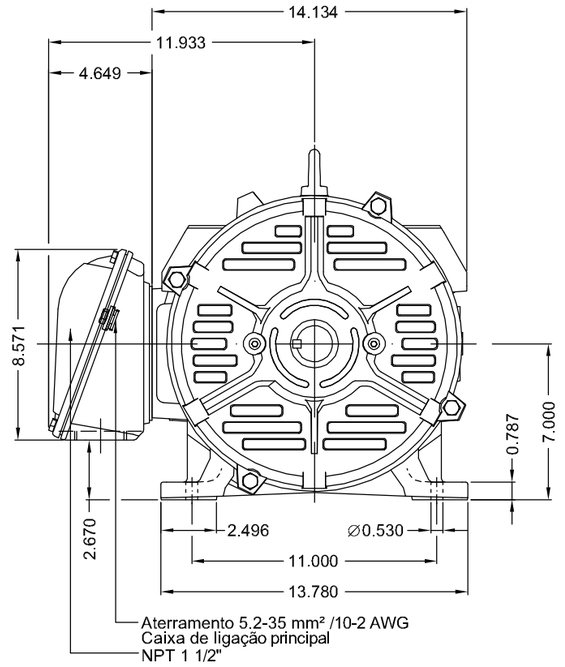


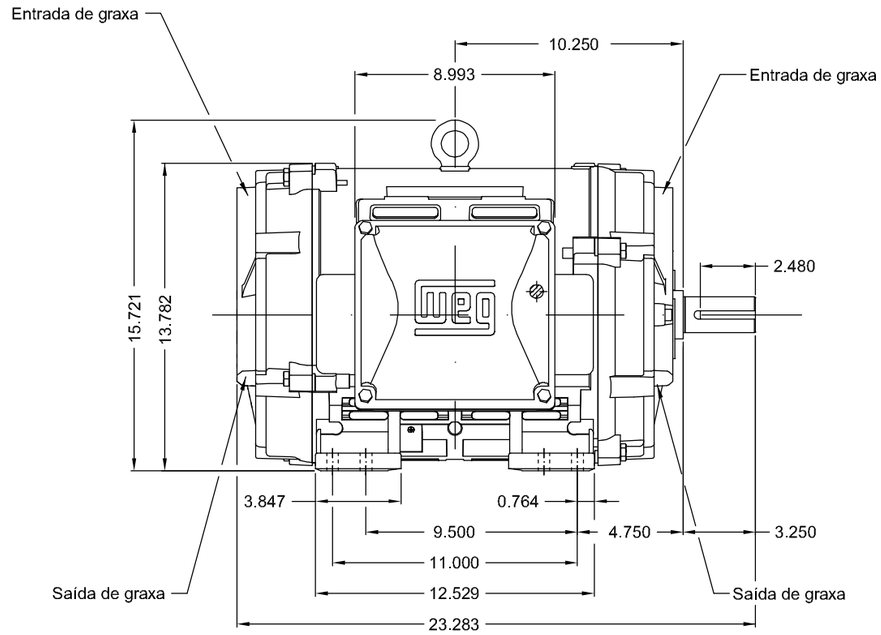
Performance	: 200-208/400 V 60 Hz 2P		
Rated current	: 110-106/54.9 A	Moment of inertia (J)	: 0.0746 kgm²
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 8.22 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 210 %	Temperature rise	: 80 K
Rated speed	: 3530 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date

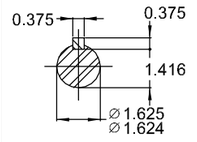
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Checked by			Page	Revision
Date	09/07/2026		2 / 2	

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Ponta de eixo Dianteira



Placa de identificação com marcações especiais

Forma construtiva NEMA F-1

Forma construtiva B3D

40 HP 02 Polos 60 Hz | A

V.J. PAMENSKY CANADA INC.

1:7

ECM	LOC	RESUMO MODIFICAÇÃO	EXECUTADO	VERIFICADO	LIBERADO	DATA	VER
500002045469		OK	PIRWBUSER	AMANDAL	AMANDAL	13.12.2021	00

EXECUTOR	PIRWBUSER	MOTOR TRIF. W40 HIGH EFF.	10009249532		
VERIFICADOR	AMANDAL	CARCAÇA 284/6TS IP23 ODP	000	00	
LIBERADOR	AMANDAL				
DATA LB.	13.12.2021	WMO Jaragua do Sul Engenharia de Produto	FOLHA	1 / 1	

CÓPIA SEM CONTROLE

Dimensões em polegada

LIBERADO

A3 ZME

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