DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Single-Phase	Product code :	13624378

Frame	: W56	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation[1]	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight[3]	: 10.4 kg
Design	: N	Moment of inertia (J)	: 0.0022 kgm²

Output [HP]		0.5
Poles		4
Frequency [Hz]		60
Rated voltage [V]		115/208-230
Rated current [A]		4.86/3.04-2.43
L. R. Amperes [A]		37.4/23.4-18.7
LRC [A]		7.7x(Code K)
No load current [A]		2.70/1.16-1.35
Rated speed [RPM]		1730
Slip [%]		3.89
Rated torque [kgfm]		0.210
Locked rotor torque [%]		300
Breakdown torque [%]		270
Service factor		
Temperature rise		80 K
Locked rotor time		27s (cold) 15s (hot)
Noise level[2]		50.0 dB(A)
Efficiency (%)	25%	
	50%	65.0
	75%	73.0
	100%	76.2
Power Factor	25%	
	50%	0.72
	75%	0.81
	100%	0.87

		Drive end	Non drive end
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 12 kgf

Max. compression : 23 kgf

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

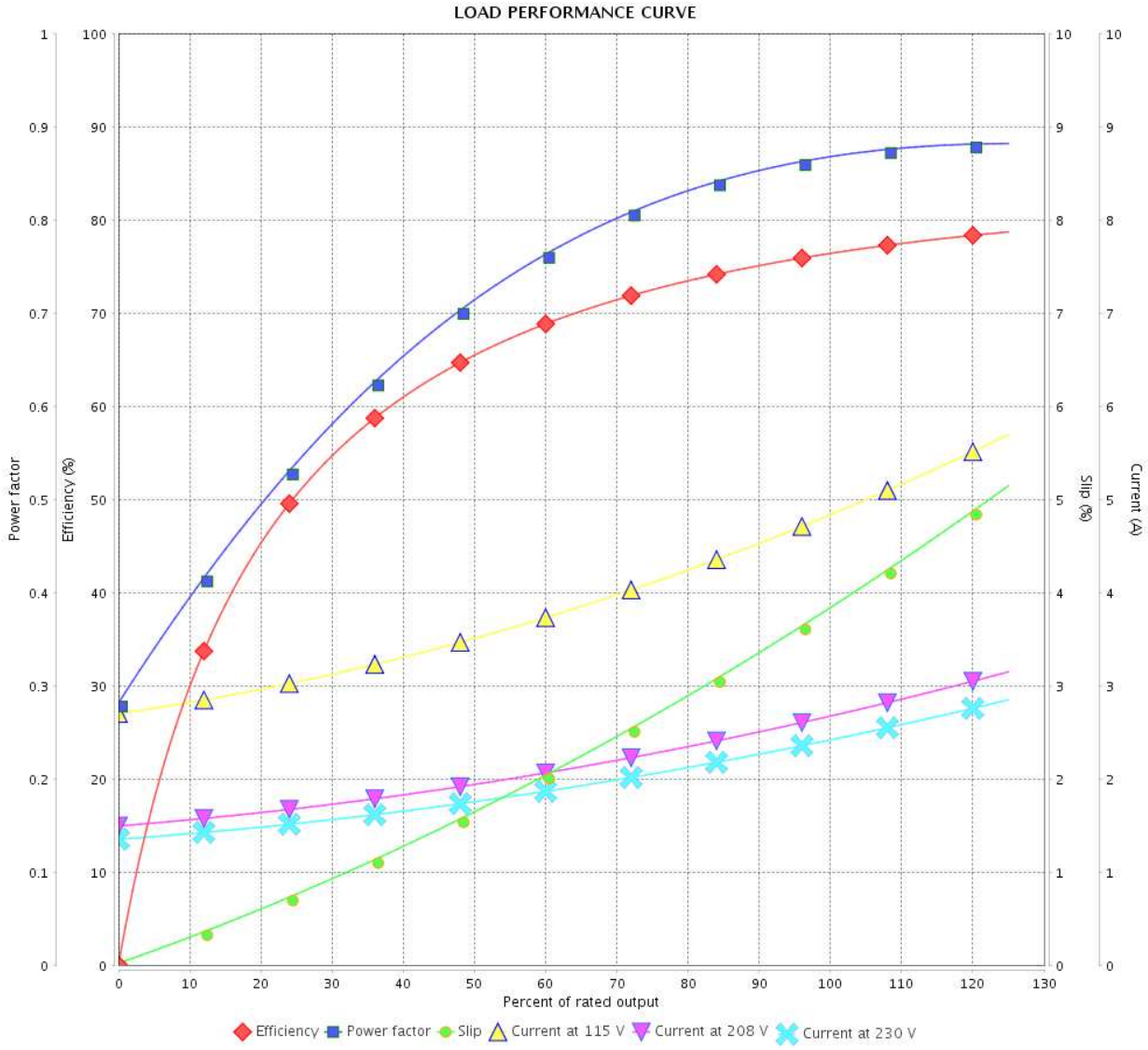
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: Single-Phase	Product code :	13624378

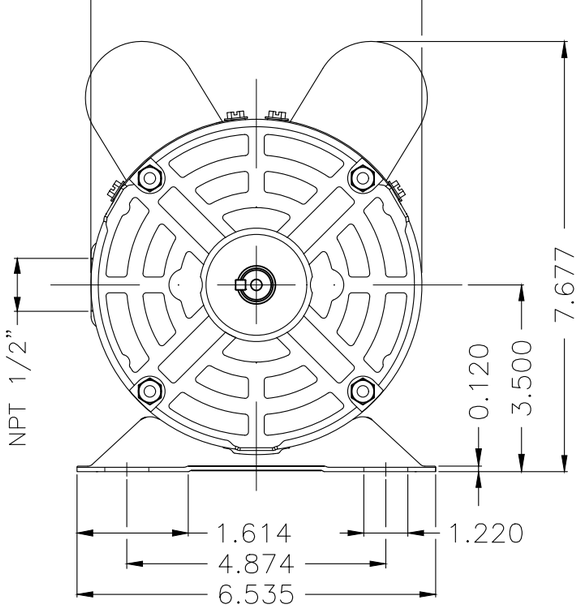


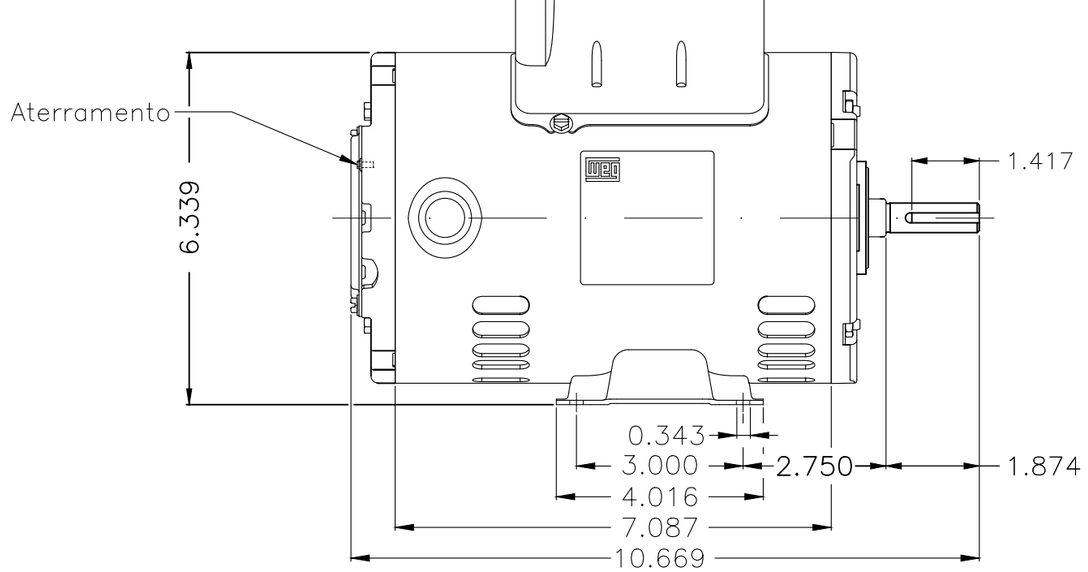
Performance	: 115/208-230 V 60 Hz 4P		
Rated current	: 4.86/3.04-2.43 A	Moment of inertia (J)	: 0.0022 kgm²
LRC	: 7.7	Duty cycle	: Cont.(S1)
Rated torque	: 0.210 kgfm	Insulation class	: F
Locked rotor torque	: 300 %	Service factor	:
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1730 rpm	Design	: N

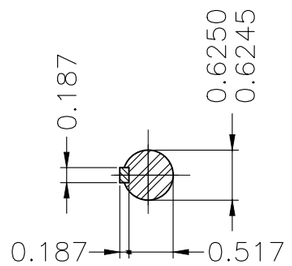
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Ponta de eixo Dianteira

0.5 HP 04 Polos 60 Hz

A

Forma construtiva B3D							
V.J. PAMENSKY CANADA INC.							
500002718508		Documento novo 422376210	WRAFAEL	WRAFAEL	HONNICKE	29.08.2024	00
ECM	LOC	RESUMO MODIFICAÇÃO	EXECUTADO	VERIFICADO	LIBERADO	DATA	VER

EXECUTOR	WRAFAEL	MOTOR MONO. ROLLED STEEL PREM. EFF.	10012494986		
VERIFICADOR	WRAFAEL	CARCAÇA W56 IP21 ODP	000	00	
LIBERADOR	HONNICKE				
DATA LB.	29.08.2024	WMO Jaragua do Sul Engenharia de Produto	FOLHA	1 / 1	

CÓPIA SEM CONTROLE

Dimensões em polegada

LIBERADO

A3

XME

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