DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Three-Phase	Product code :	14453335

Frame	: W56	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation¹	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight³	: 8.2 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0008 kgm²

Output [HP]		0.5
Poles		2
Frequency [Hz]		60
Rated voltage [V]		575
Rated current [A]		0.627
L. R. Amperes [A]		4.83
LRC [A]		7.7x(Code L)
No load current [A]		0.334
Rated speed [RPM]		3435
Slip [%]		4.58
Rated torque [kgfm]		0.106
Locked rotor torque [%]		330
Breakdown torque [%]		360
Service factor		1.15
Temperature rise		80 K
Locked rotor time		32s (cold) 18s (hot)
Noise level²		65.0 dB(A)
Efficiency (%)	25%	
	50%	68.0
	75%	72.0
	100%	74.0
Power Factor	25%	
	50%	0.64
	75%	0.75
	100%	0.80

		Drive end	Non drive end
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 8 kgf

Max. compression : 16 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

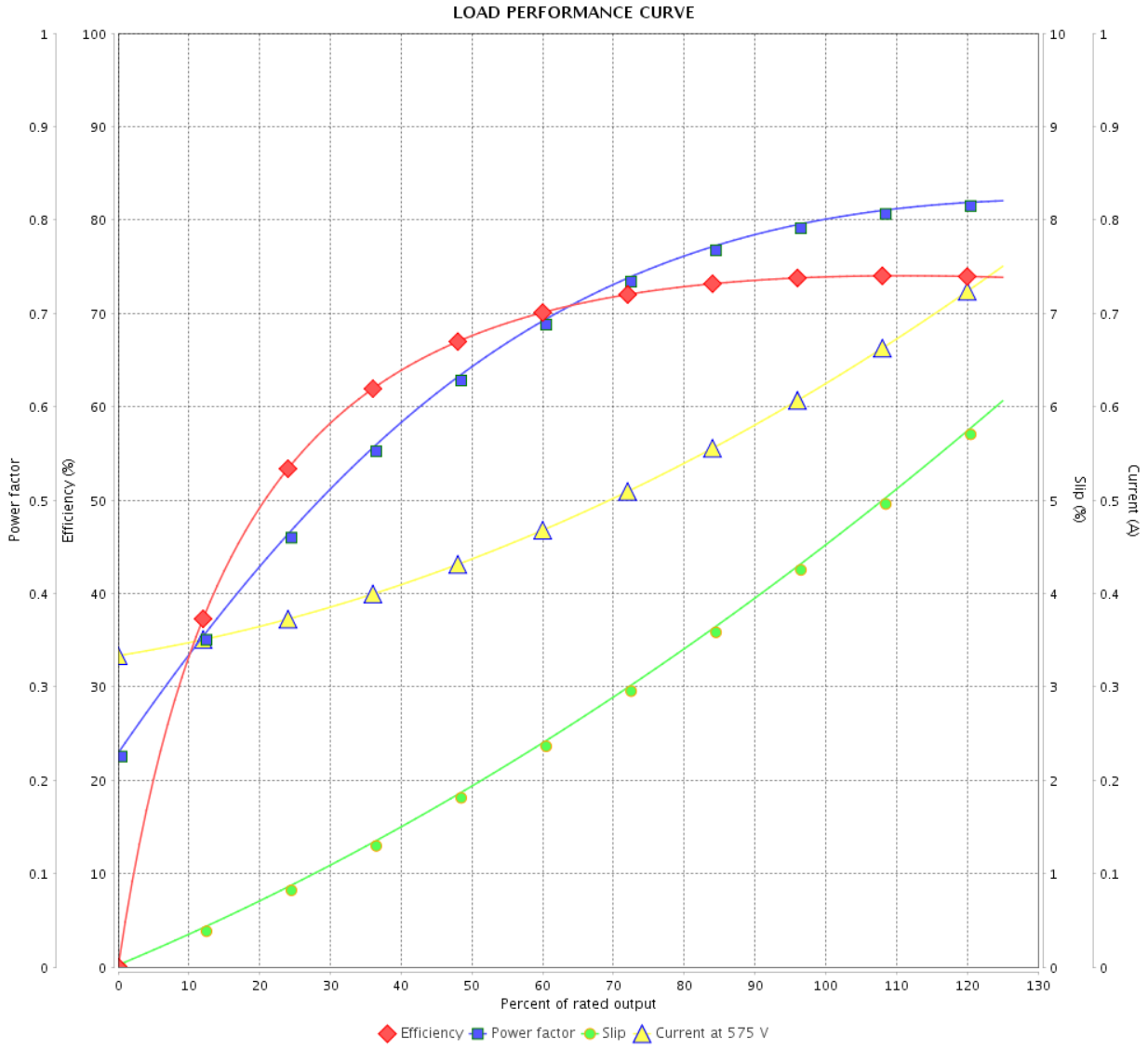
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LOAD PERFORMANCE CURVE

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Customer	:		
Product line	: Three-Phase	Product code :	14453335

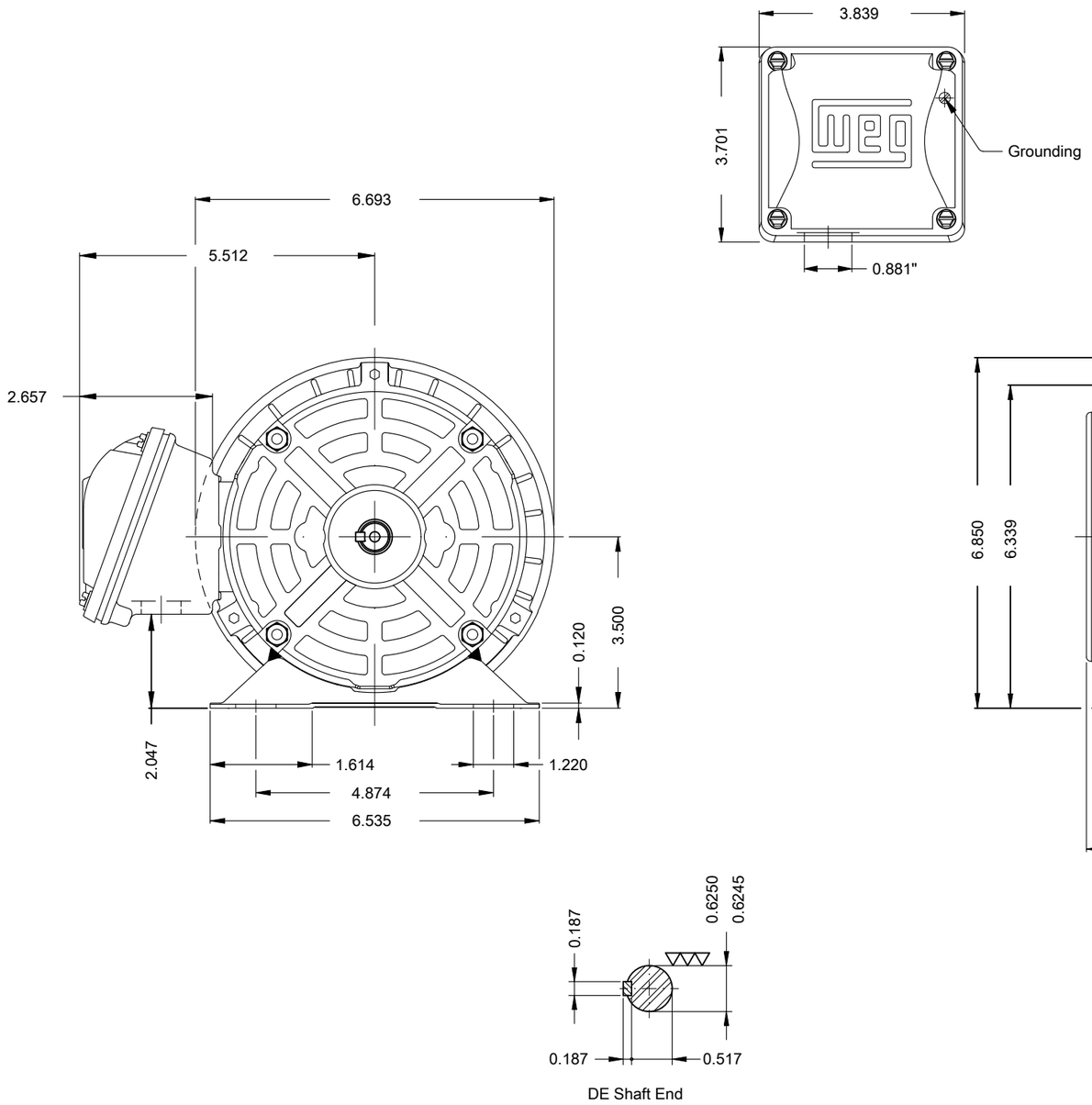


Performance	: 575 V 60 Hz 2P		
Rated current	: 0.627 A	Moment of inertia (J)	: 0.0008 kgm²
LRC	: 7.7	Duty cycle	: Cont.(S1)
Rated torque	: 0.106 kgfm	Insulation class	: F
Locked rotor torque	: 330 %	Service factor	: 1.15
Breakdown torque	: 360 %	Temperature rise	: 80 K
Rated speed	: 3435 rpm		

Rev.	Changes Summary	Performed	Checked	Date

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Reforzar la pata con 2 puntos de soldadura mig

Forma constructiva F-1/B3R(D)

V.J. PAMENSKY CANADA INC.

500003196004		New drawing	ALVAREZZ	ELIZABETH	FMONROY	23.03.2026	00
No MODIFICACION	LOC	RESUMEN DE MODIFICACIONES	EJECUTADO	VERIFICADO	LIBERADO	FECHA	VER

EJEC.	ALVAREZZ	MOTOR TRIF. ROLLED STEEL PREM. EFF.	10014459673	
VERIF.	ELIZABETH	CARCASA W56 IP55 TEFC	000	00
LIBER.	FMONROY			
FECHA LB.	23.03.2026	WEG HUEHUETOCA [Ventas Exportacion]	HOJA	1 / 1

0.5 HP 02 Polos 60 Hz | 423108059 | A | ZME | A3

COPIA SIN CONTROL

LIBERADO SISTEMA Dimensiones em pulgadas

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