

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase Product code : 11997249

Frame	: 256TC	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 25 HP (18.5 kW)	Temperature rise	: 105 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 23.4 A	Protection degree	: IP23
L. R. Amperes	: 141 A	Cooling method	: IC01 - ODP
LRC	: 6.0x(Code G)	Mounting	: F-1
No load current	: 7.52 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3530 rpm	Noise level ²	: 67.0 dB(A)
Slip	: 1.94 %	Starting method	: Direct On Line
Rated torque	: 5.14 kgfm	Approx. weight ³	: 103 kg
Locked rotor torque	: 200 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0412 kgm ²		
Design	: B		

Output	50%	75%	100%	Foundation loads
Efficiency (%)	90.2	91.0	91.0	Max. traction : 150 kgf
Power Factor	0.76	0.84	0.87	Max. compression : 254 kgf

	Drive end	Non drive end	
		6209 Z C3	6209 Z C3
Bearing type	: 6309 Z C3	Without Bearing Seal	Without Bearing Seal
Sealing	: Without Bearing Seal	20000 h	20000 h
Lubrication interval	: 20000 h	13 g	9 g
Lubricant amount	: 13 g		
Lubricant type	: Mobil Polyrex EM		

Notes

This revision replaces and cancel the previous one, which must be eliminated.

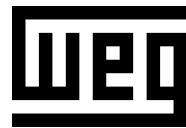
- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



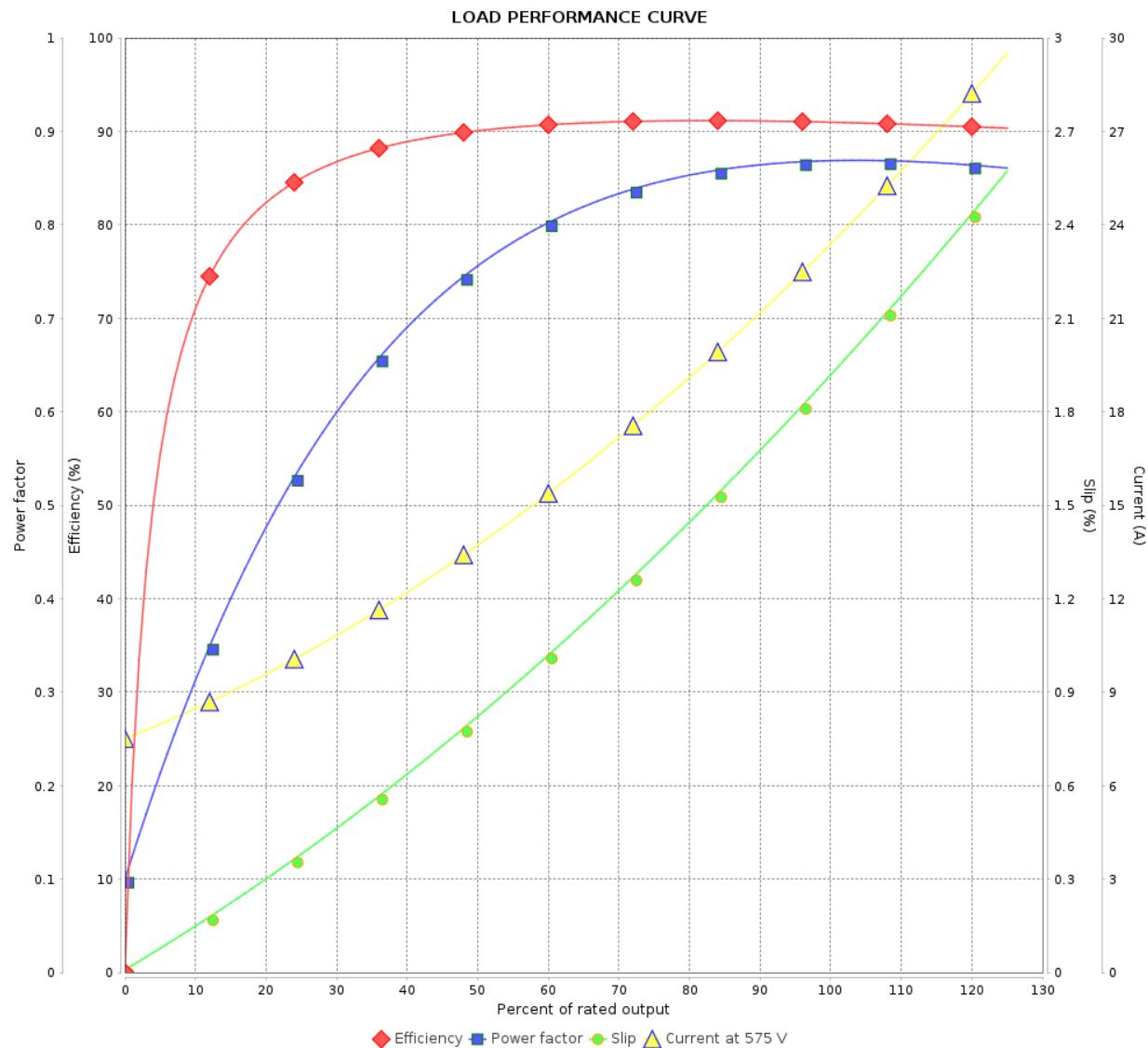
Customer :

Product line

: ODP High Efficiency Three-Phase

Product code :

11997249



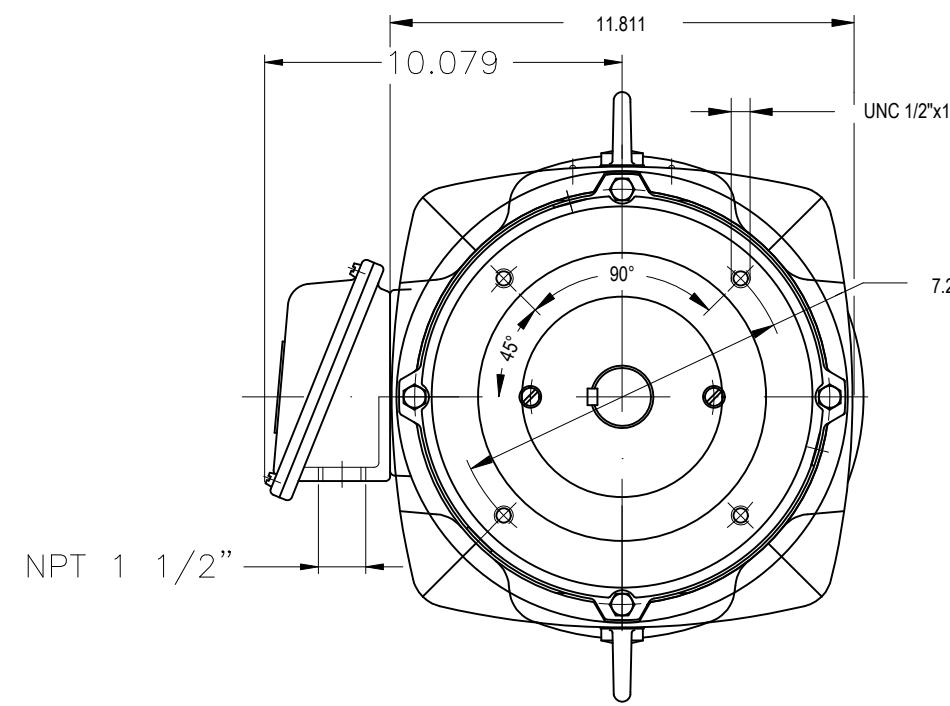
Performance : 575 V 60 Hz 2P

Rated current	: 23.4 A	Moment of inertia (J)	: 0.0412 kgm ²
LRC	: 6.0	Duty cycle	: Cont.(S1)
Rated torque	: 5.14 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 105 K
Rated speed	: 3530 rpm	Design	: B

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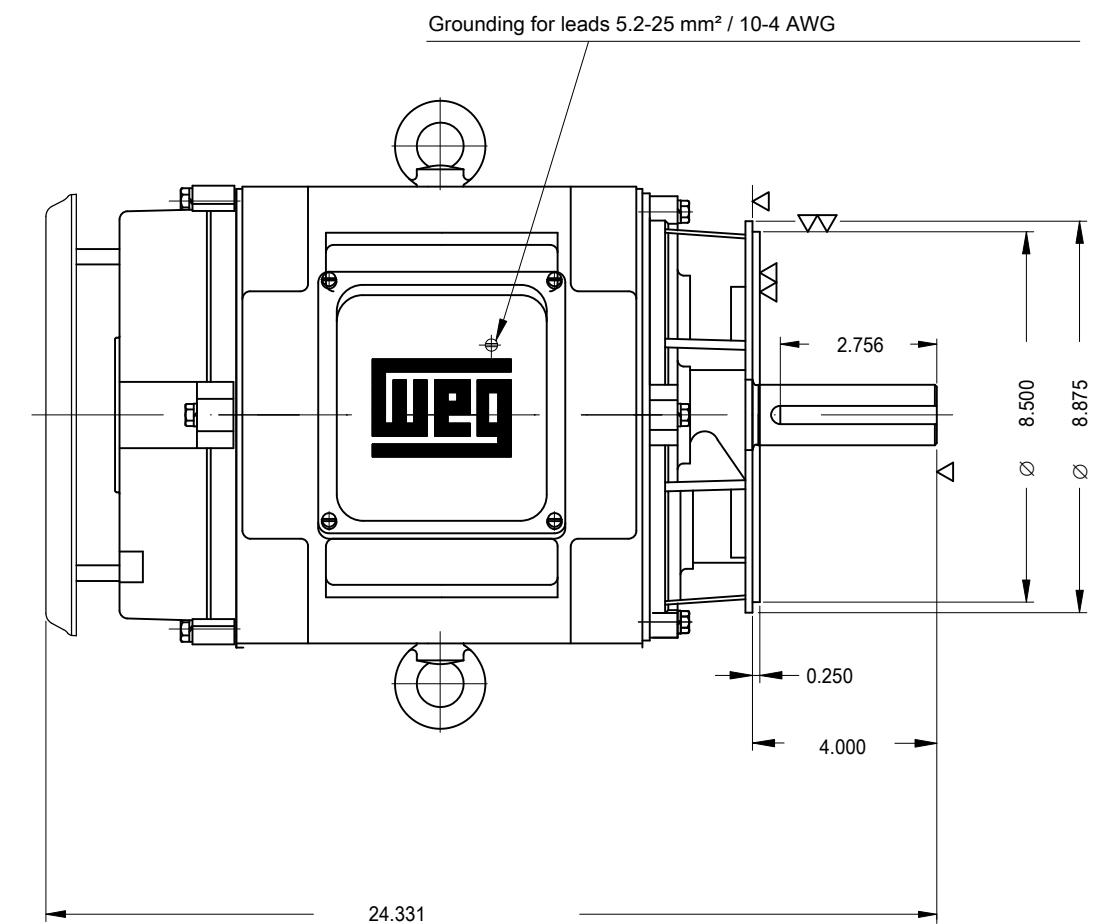
A



B

NPT 1 1/2"

C



D

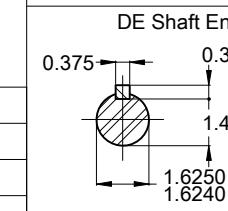
E

With drip cover

Color RAL 5009

Painting plan 203A

Mounting B14R(D)



25 HP 02 Poles 60 Hz

Dimensions in inches

EXECUTED	HYBRISUSER	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
CHECKED		THREE PH. MOTOR GENERAL HIGH EFF. FRAME 256TC IP23 ODP					00
RELEASED							
REL. DATE		WMO Jaragua do Sul	Product Engineering	SHEET	1 / 1		

