

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :								
Product line		: ODP NEMA Premium Efficiency Three-Phase		Product code : 11914799				
Frame	:	: 256TC		Locked rotor time	:	: 16s (cold) 9s (hot)		
Output	:	: 25 HP (18.5 kW)		Temperature rise	:	: 80 K		
Frequency	:	: 60 Hz		Duty cycle	:	: Cont.(S1)		
Rated voltage	:	: 575 V		Ambient temperature	:	: -20°C to +40°C		
Poles	:	: 2		Altitude	:	: 1000 m.a.s.l.		
Rated current	:	: 23.8 A		Protection degree	:	: IP23		
	:	: 6.5x(Code G)		Cooling method	:	: IC01 - ODP		
Rated speed	:	: 3530 rpm		Mounting	:	: F-1		
Rated torque	:	: 5.14 kgfm		Rotation <sup>1</sup>	:	: Both (CW and CCW)		
Insulation class	:	: F		Noise level <sup>2</sup>	:	: 67.0 dB(A)		
Service factor	:	: 1.15		Starting method	:	: Direct On Line		
Moment of inertia (J)	:	: 0.0456 kgm <sup>2</sup>		Approx. weight <sup>3</sup>	:	: 110 kg		
Design	:	: B						
Output	50%	75%	100%	Foundation loads				
Efficiency (%)	91.0	91.7	91.7	Max. traction : 155 kgf				
Power Factor	0.73	0.82	0.85	Max. compression : 265 kgf				
				Drive end		Non drive end		
Bearing type	:	6309 Z C3		6209 Z C3				
Sealing	:	Without Bearing Seal		Without Bearing Seal				
Lubrication interval	:	20000 h		20000 h				
Lubricant amount	:	13 g		9 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	15/05/2026					1 / 2		

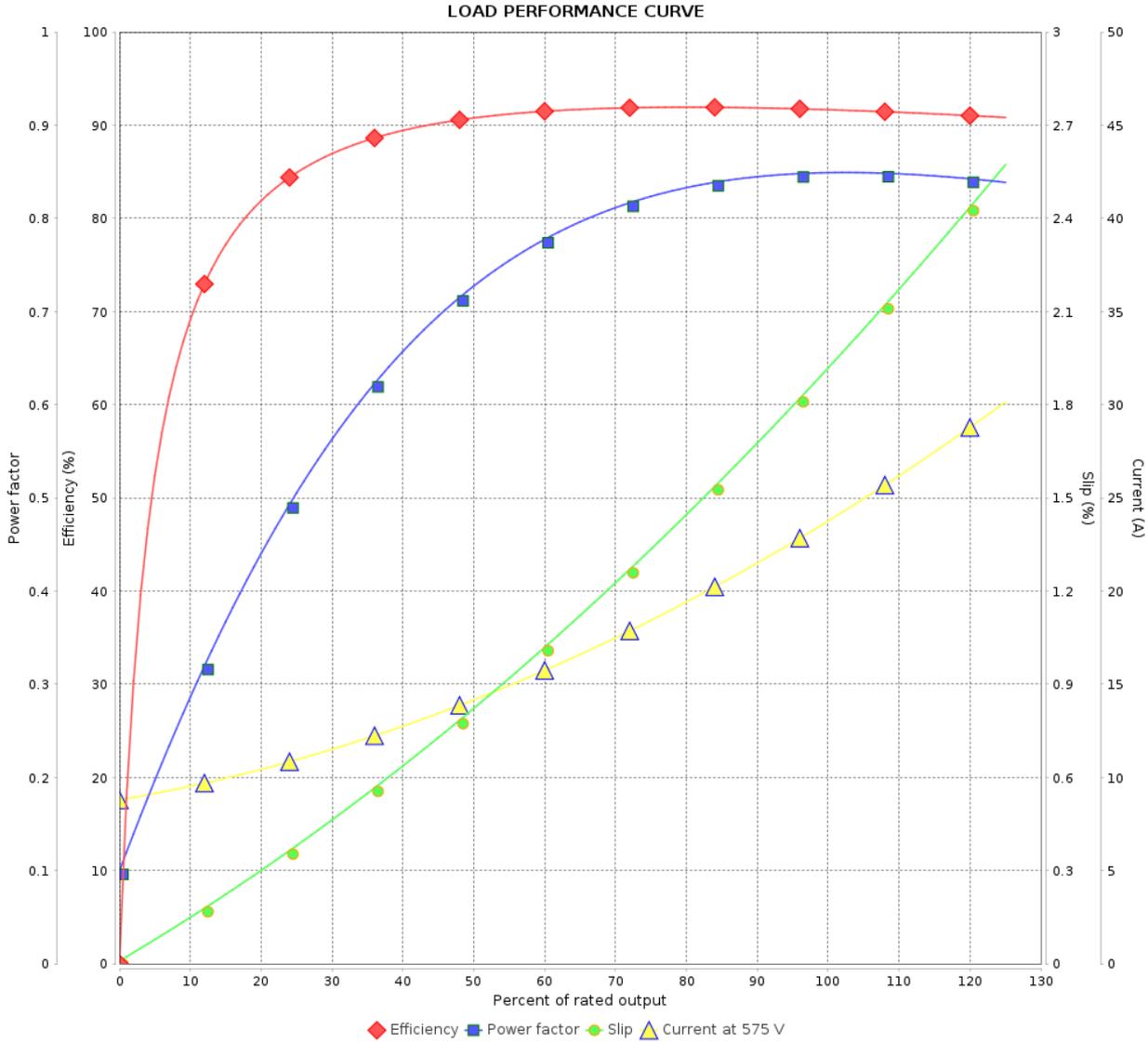
# LOAD PERFORMANCE CURVE

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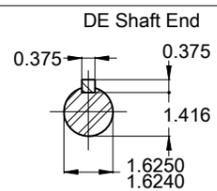
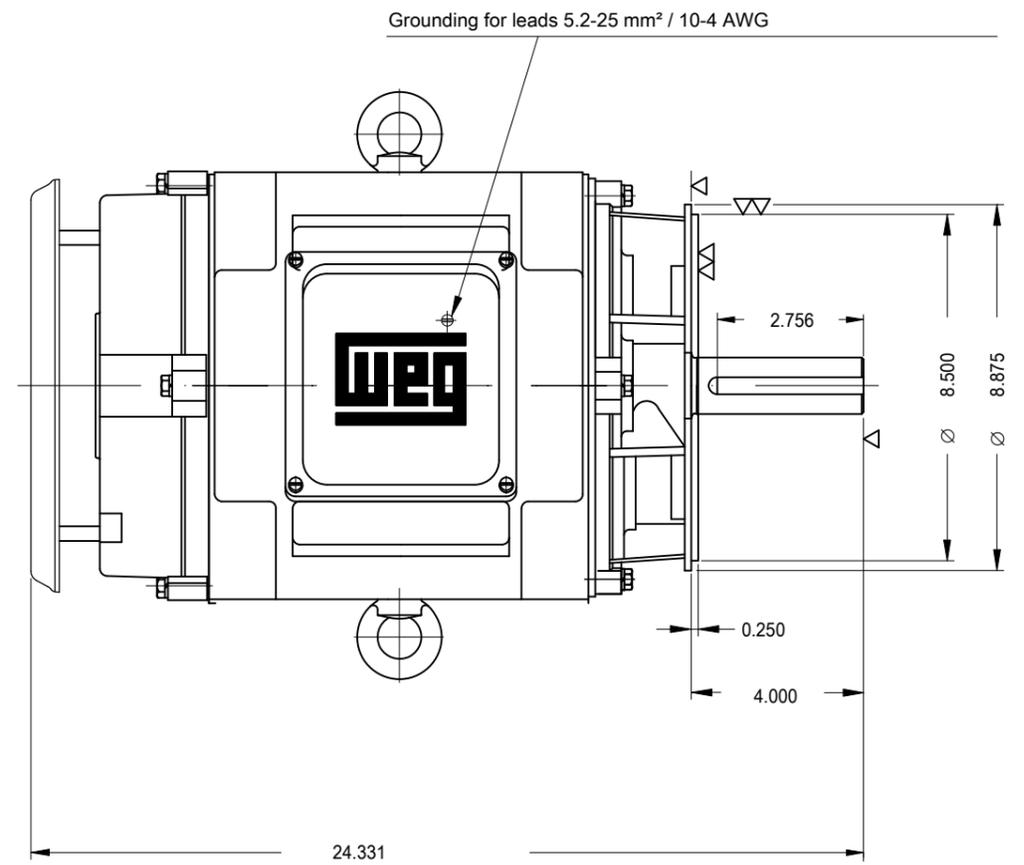
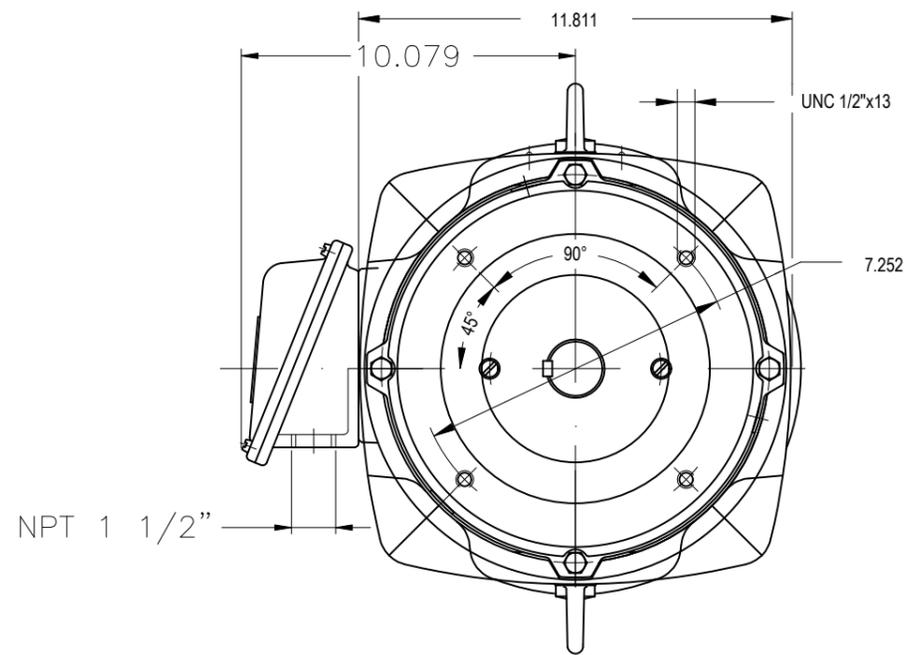


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With drip cover  
 Color RAL 5009  
 Painting plan 203A  
 Mounting B14R(D)

25 HP 02 Poles 60 Hz

Dimensions in inches

ECM		LOC	SUMMARY OF MODIFICATIONS		HYBRISUSER						00
EXECUTED	HYBRISUSER		THREE PH. MOTOR GENERAL NEMA PREM. EFF.		EXECUTED	CHECKED	RELEASED	DATE	VER		
CHECKED			FRAME 256TC IP23 ODP								
RELEASED											
REL. DATE		WMO	Jaragua do Sul	Product Engineering							

PREVIEW

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