

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : _____

Product line : General High Efficiency Three-Phase Product code : 11996330

Frame	: 213/5TC	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 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	: 9.76 A	Protection degree	: IP21
L. R. Amperes	: 64.4 A	Cooling method	: IC01 - ODP
LRC	: 6.6x(Code H)	Mounting	: F-1
No load current	: 3.36 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3515 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 2.36 %	Starting method	: Direct On Line
Rated torque	: 2.06 kgfm	Approx. weight ³	: 47.3 kg
Locked rotor torque	: 210 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0187 kgm ²		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	87.5	88.5	88.5	Max. traction	: 71 kgf
Power Factor	0.71	0.81	0.87	Max. compression	: 119 kgf

	Drive end	Non drive end
Bearing type	: 6208 ZZ	: 6206 ZZ
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: -	: -
Lubricant amount	: -	: -
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

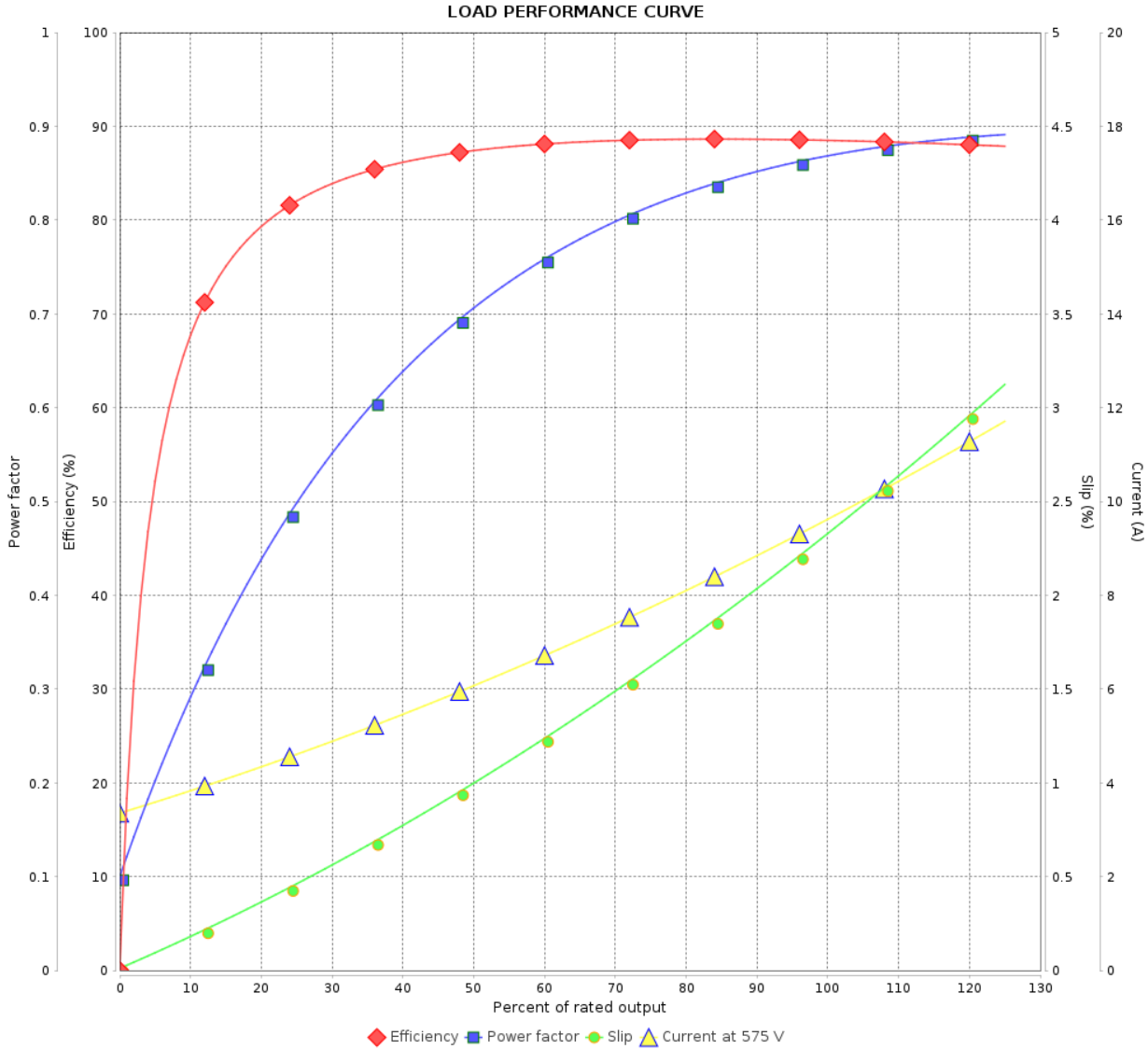
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three-Phase

Product code : 11996330

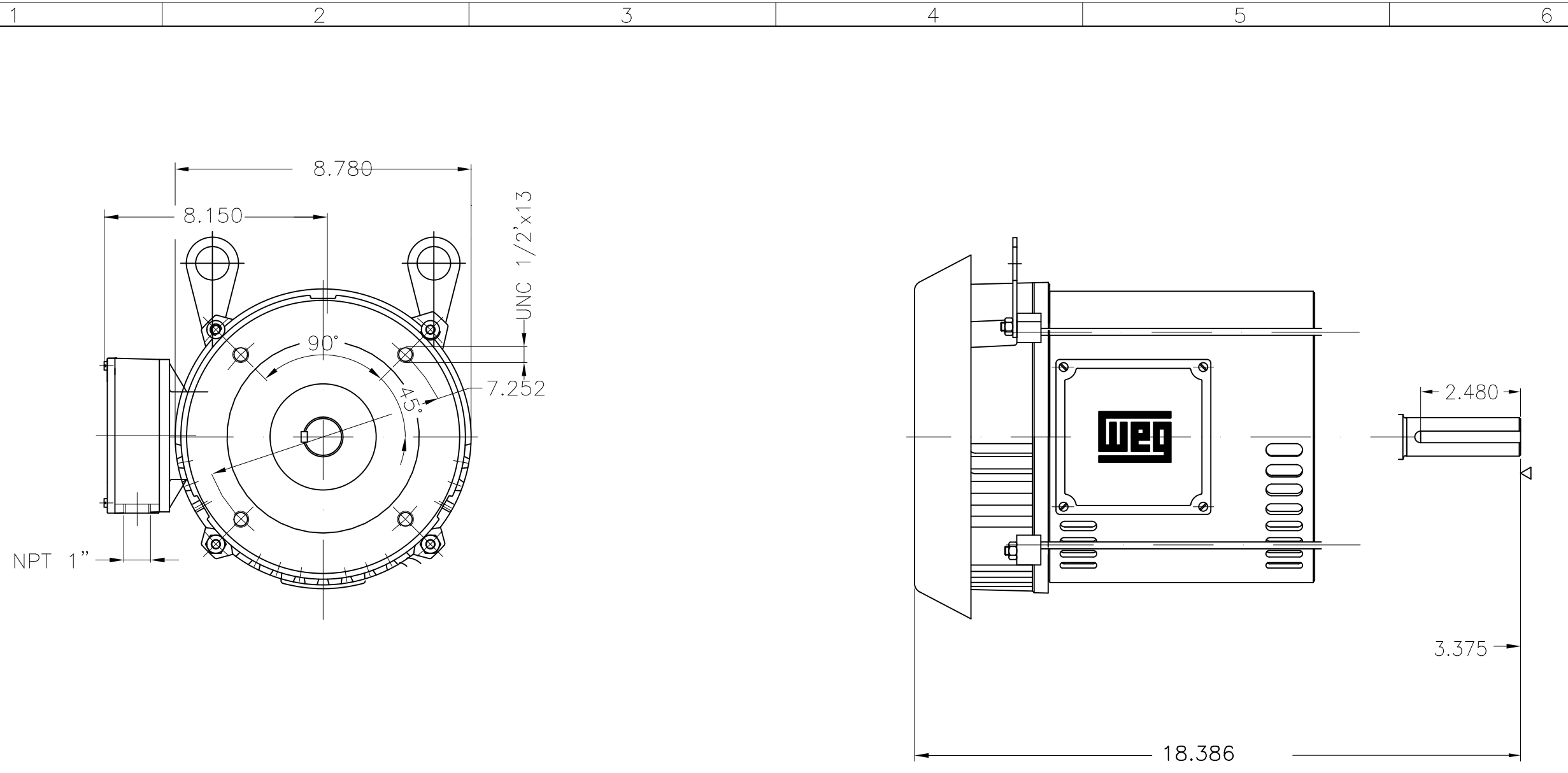


Performance : 575 V 60 Hz 2P

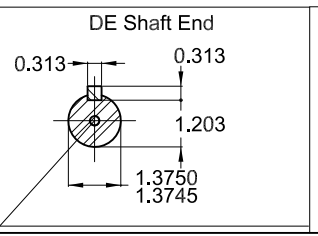
Rated current : 9.76 A
 LRC : 6.6
 Rated torque : 2.06 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 250 %
 Rated speed : 3515 rpm

Moment of inertia (J) : 0.0187 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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- Plastic flat plug
- Packing - crate
- Color RAL 5009
- Painting plan 207A
- Mounting B14R(D)



10 HP 02 Poles 60 Hz

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR GENERAL HIGH EFF.					00
CHECKED		FRAME 213/5TC IP21 ODP					
RELEASED							
REL. DATE	WMO	Jaragua do Sul	Product Engineering				

PREVIEW
WDD 00
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