

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : General High Efficiency Three-Phase Product code : 11996114

Frame	: 213/5TC	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 105 K
Poles	: 4	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	: 7.52 A	Protection degree	: IP21
L. R. Amperes	: 50.4 A	Cooling method	: IC01 - ODP
LRC	: 6.7x(Code H)	Mounting	: W-6
No load current	: 3.28 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1755 rpm	Noise level ²	: 58.0 dB(A)
Slip	: 2.50 %	Starting method	: Direct On Line
Rated torque	: 3.10 kgfm	Approx. weight ³	: 0.0 kg
Locked rotor torque	: 180 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0388 kgm ²		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	87.5	88.5	88.5	Max. traction	: 143 kgf
Power Factor	0.68	0.78	0.83	Max. compression	: 143 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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	03/04/2025		1 / 2	

LOAD PERFORMANCE CURVE

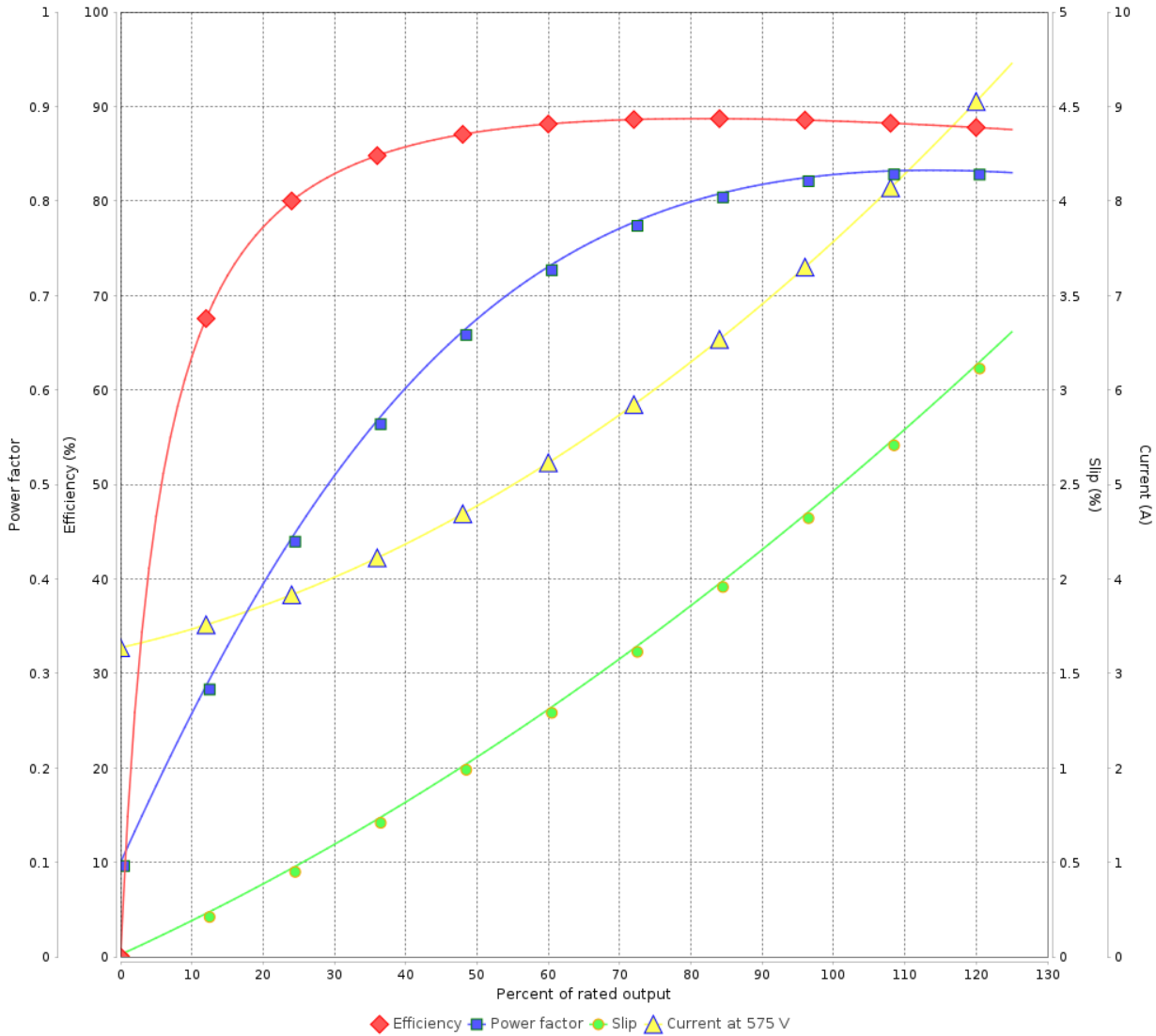
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three-Phase Product code : 11996114

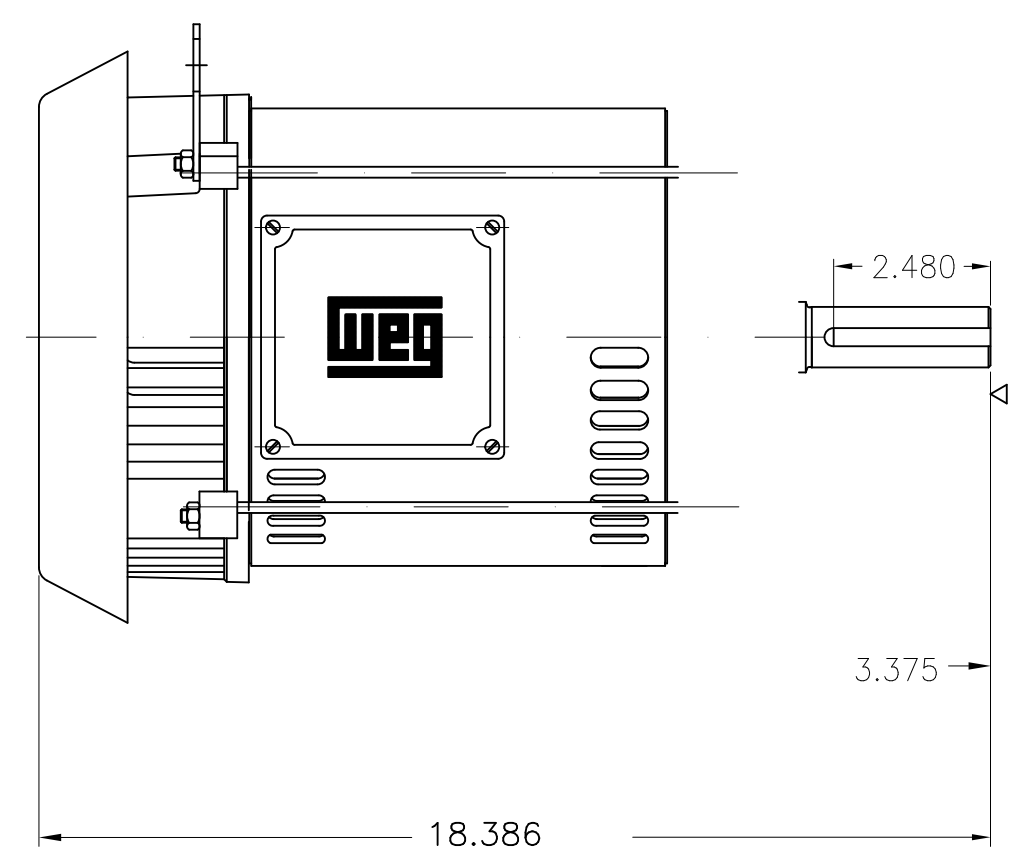
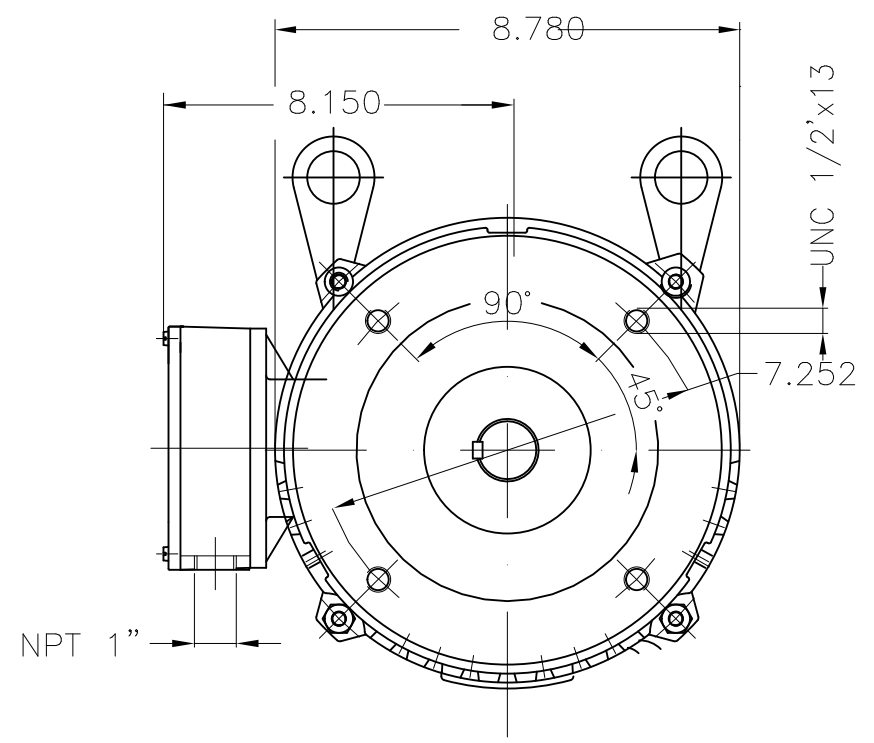
LOAD PERFORMANCE CURVE



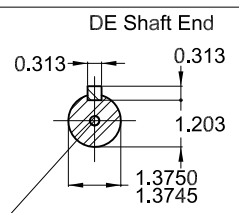
Performance : 575 V 60 Hz 4P

Rated current	: 7.52 A	Moment of inertia (J)	: 0.0388 kgm ²
LRC	: 6.7	Duty cycle	: Cont.(S1)
Rated torque	: 3.10 kgfm	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 105 K
Rated speed	: 1755 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page		Revision
Checked by		2 / 2		
Date	03/04/2025			



- Plastic flat plug
- Packing - crate
- Color RAL 5009
- Painting plan 207A
- Mounting V18



7.5 HP 04 Poles 60 Hz							A		
							00		
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR GENERAL HIGH EFF. FRAME 213/5TC IP21 ODP			PREVIEW				
CHECKED					WDD 00				
RELEASED					SHEET		1 / 1		
REL. DATE		WMO	Jaragua do Sul	Product Engineering					