

DATA SHEET

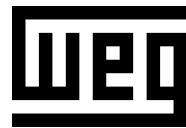
Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: General High Efficiency Three-Phase	Product code :	11993753			
Frame	: E143/5TC	Locked rotor time	: 27s (cold) 15s (hot)			
Output	: 1 HP (0.75 kW)	Temperature rise	: 80 K			
Poles	: 4	Duty cycle	: Cont.(S1)			
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C			
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 3.00/1.50 A	Protection degree	: IP21			
L. R. Amperes	: 23.4/11.7 A	Cooling method	: IC01 - ODP			
LRC	: 7.8x(Code L)	Mounting	: F-1			
No load current	: 2.00/1.00 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 1740 rpm	Noise level ²	: 50.0 dB(A)			
Slip	: 3.33 %	Starting method	: Direct On Line			
Rated torque	: 0.417 kgfm	Approx. weight ³	: 0.0 kg			
Locked rotor torque	: 310 %					
Breakdown torque	: 350 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.0053 kgm ²					
Design	: B					
Output	50%	75%	100%			
Efficiency (%)	80.0	81.5	82.5			
Power Factor	0.57	0.68	0.76			
Foundation loads						
		Max. traction	: 41 kgf			
		Max. compression	: 41 kgf			
Drive end		Non drive end				
Bearing type	: 6205 ZZ	6204 ZZ				
Sealing	: Without Bearing Seal	Without Bearing Seal				
Lubrication interval	: -	-				
Lubricant amount	: -	-				
Lubricant type	Mobil Polyrex EM					
Notes						
USABLE @208V 3.30A SF 1.00 SFA 3.30A						
This revision replaces and cancel the previous one, which must be eliminated.		These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.				
(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.						
Rev.	Changes Summary		Performed	Checked	Date	
Performed by						
Checked by				Page	Revision	
Date	14/11/2025			1 / 2		

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



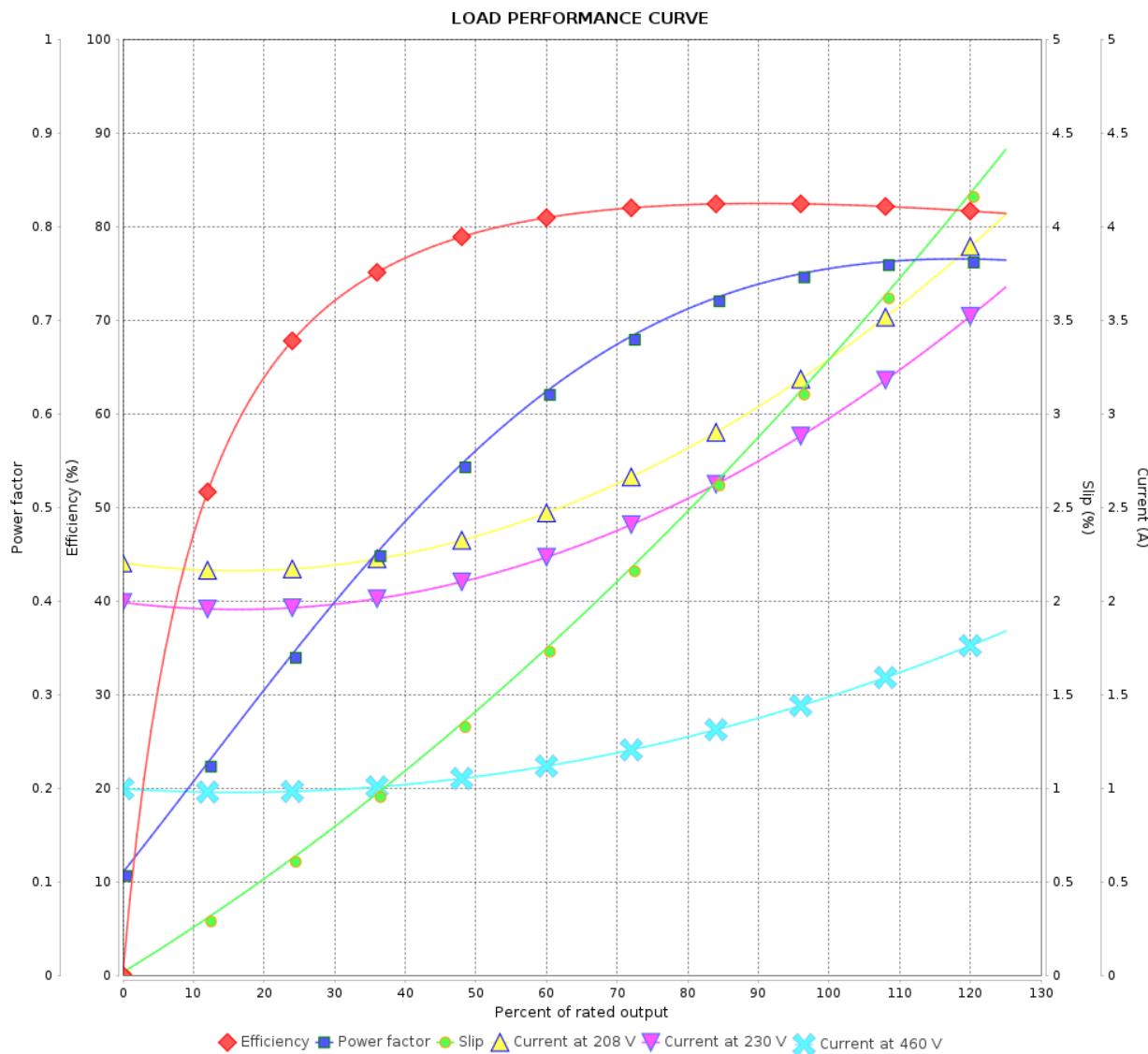
Customer :

Product line

: General High Efficiency Three-Phase

Product code :

11993753



Performance

: 230/460 V 60 Hz 4P

Rated current

: 3.00/1.50 A

Moment of inertia (J)

: 0.0053 kgm²

LRC

: 7.8

Duty cycle

: Cont.(S1)

Rated torque

: 0.417 kgfm

Insulation class

: F

Locked rotor torque

: 310 %

Service factor

:

Breakdown torque

: 350 %

Temperature rise

: 80 K

Rated speed

: 1740 rpm

Design

: B

Rev.

Changes Summary

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Revision

1

2

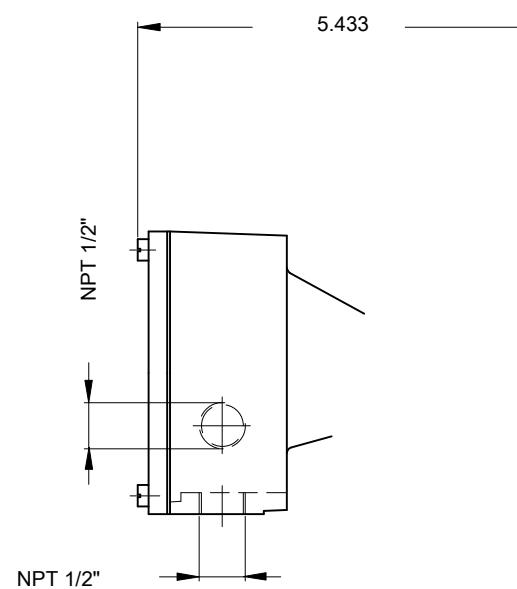
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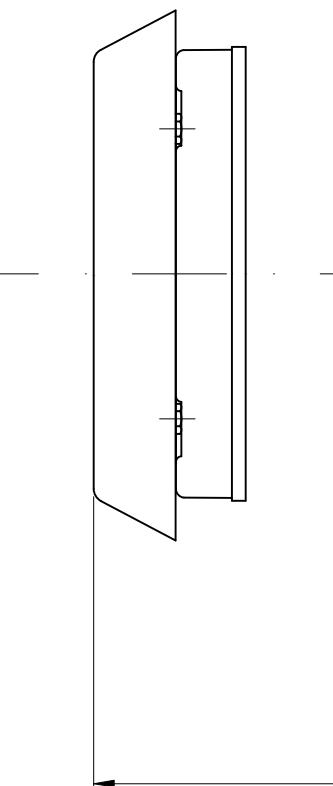
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6

A



B



C

D

E

Dimensions in inches

With drip cover
Mounting B14R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	HYBRISUSER	EXECUTED	CHECKED	RELEASED	DATE	VER
								00

1 HP 04 Poles 60 Hz

A REL. DATE WMO Jaragua do Sul Product Engineering SHEET 1 / 1

