

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three-Phase Product code : 11994523

Frame	: E143/5TC	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 2 HP (1.5 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	: 5.80/2.90 A	Protection degree	: IP21
L. R. Amperes	: 45.2/22.6 A	Cooling method	: IC01 - ODP
LRC	: 7.8x(Code L)	Mounting	: F-1
No load current	: 3.60/1.80 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1730 rpm	Noise level ²	: 52.0 dB(A)
Slip	: 3.89 %	Starting method	: Direct On Line
Rated torque	: 0.839 kgfm	Approx. weight ³	: 20.2 kg
Locked rotor torque	: 340 %		
Breakdown torque	: 320 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0068 kgm ²		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	82.5	84.0	84.0	Max. traction	: 66 kgf
Power Factor	0.58	0.70	0.78	Max. compression	: 86 kgf

		<u>Drive end</u>	<u>Non drive end</u>
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 6.30A SF 1.00 SFA 6.30A

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		Page Revision 1 / 2		
Checked by				
Date	24/08/2025			

LOAD PERFORMANCE CURVE

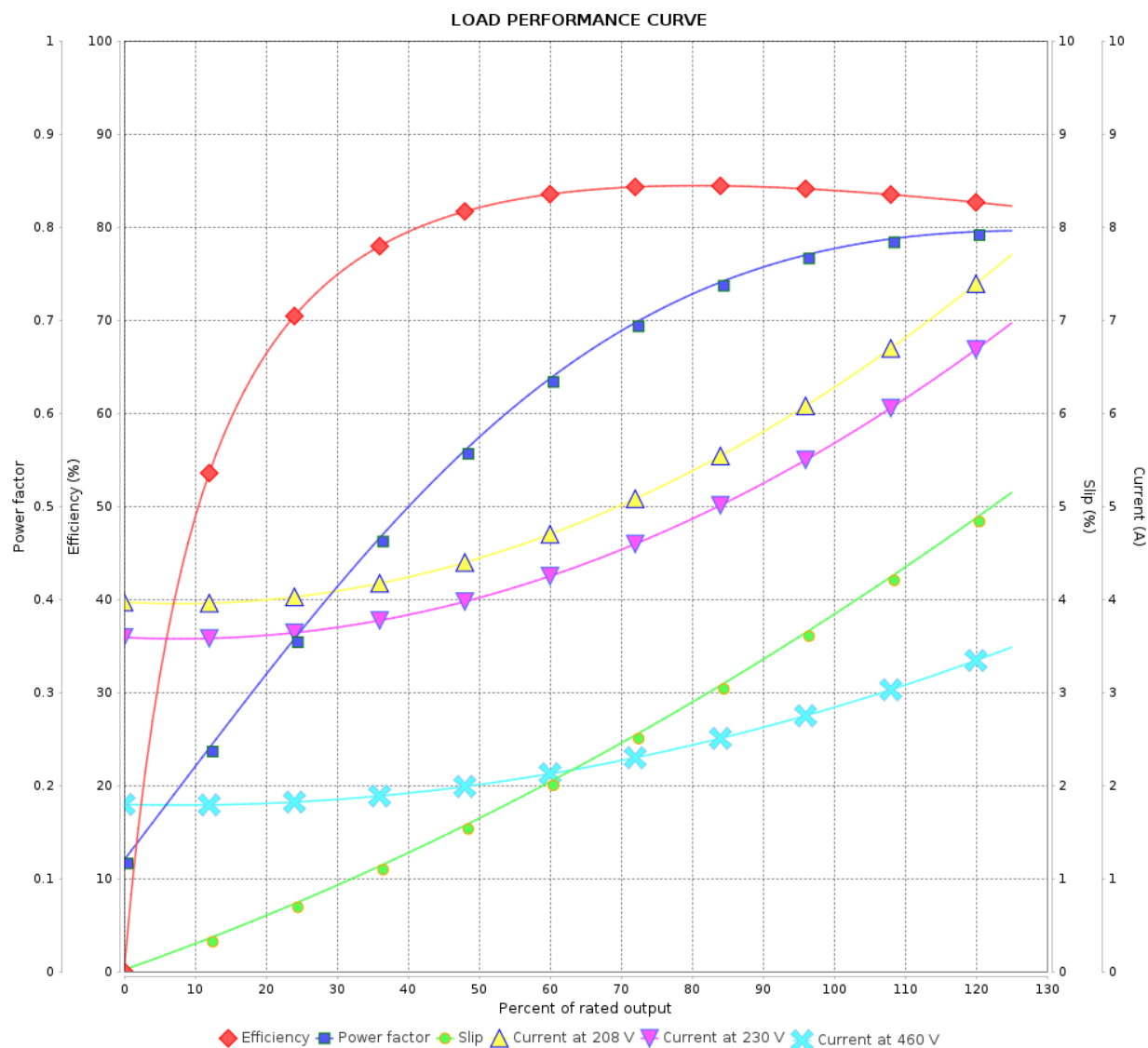
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three-Phase

Product code : 11994523

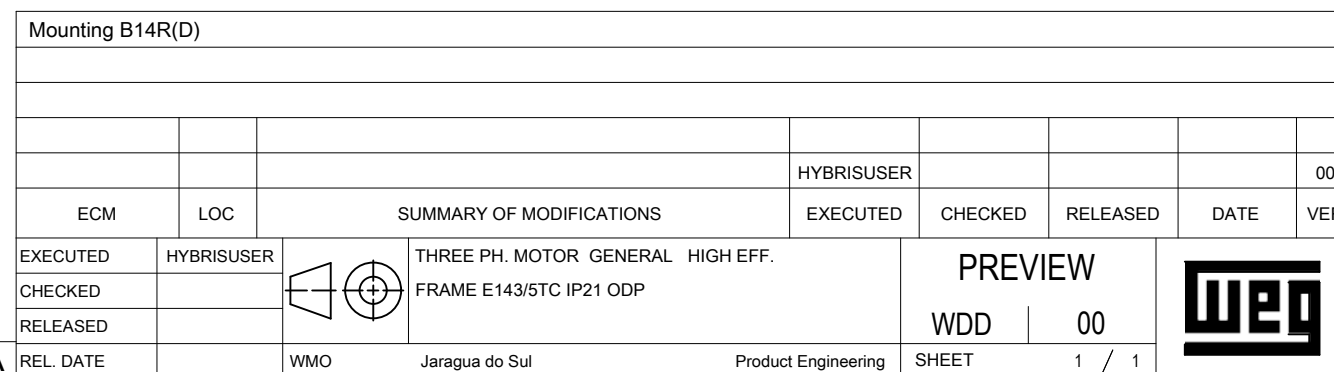
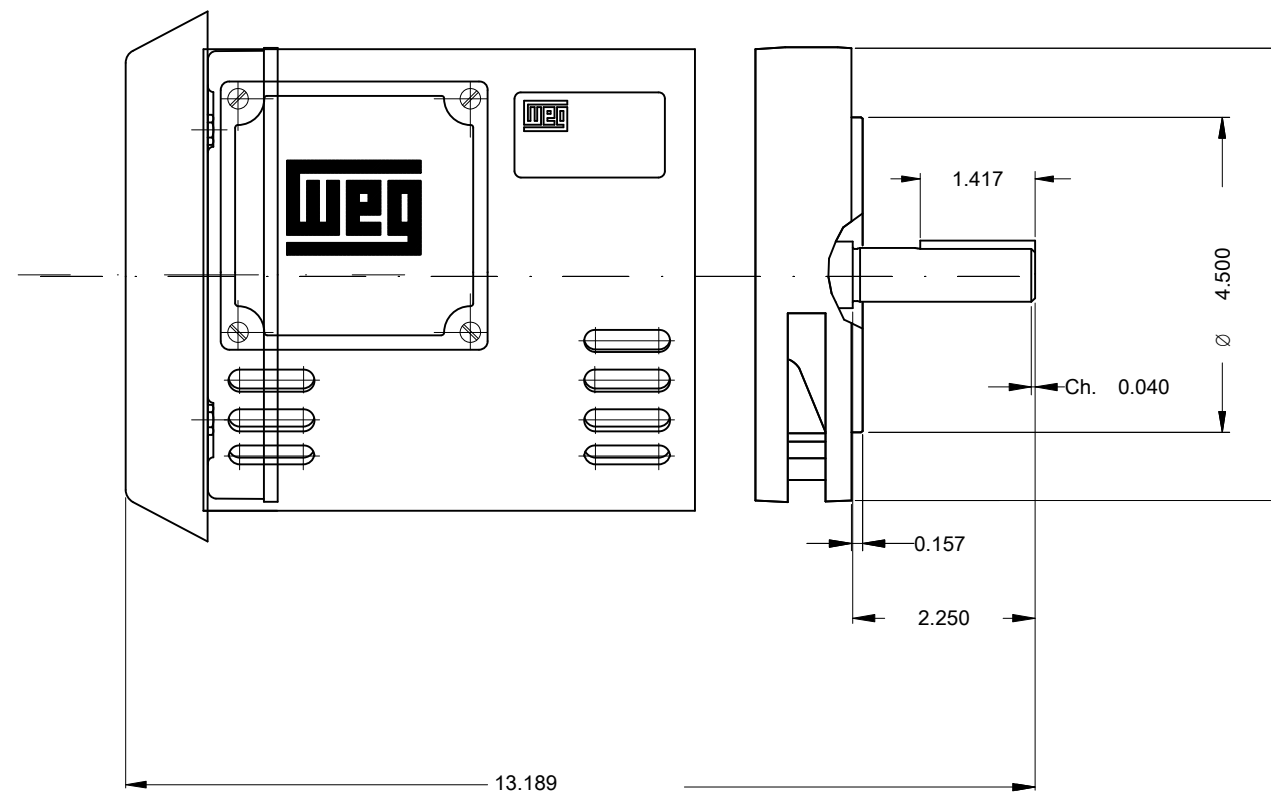


Performance : 230/460 V 60 Hz 4P

Rated current : 5.80/2.90 A
LRC : 7.8
Rated torque : 0.839 kgfm
Locked rotor torque : 340 %
Breakdown torque : 320 %
Rated speed : 1730 rpm

Moment of inertia (J) : 0.0068 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 80 K
Design : B

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



κME	A3
-----	----