

DATA SHEET

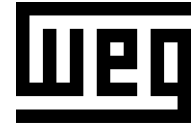
Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: General High Efficiency Three-Phase		Product code : 11994480	
Frame	: E143/5TC		Locked rotor time	: 27s (cold) 15s (hot)	
Output	: 2 HP (1.5 kW)		Temperature rise	: 80 K	
Poles	: 2		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	: 5.00/2.50 A		Protection degree	: IP21	
L. R. Amperes	: 45.0/22.5 A		Cooling method	: IC01 - ODP	
LRC	: 9.0x(Code K)		Mounting	: F-1	
No load current	: 2.00/1.00 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	: 3430 rpm		Noise level ²	: 60.0 dB(A)	
Slip	: 4.72 %		Starting method	: Direct On Line	
Rated torque	: 0.423 kgfm		Approx. weight ³	: 0.0 kg	
Locked rotor torque	: 450 %				
Breakdown torque	: 350 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0025 kgm ²				
Design	: B				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	84.0	85.5	85.5	Max. traction : 42 kgf	
Power Factor	0.73	0.83	0.88	Max. compression : 42 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 5.50A SF 1.00 SFA 5.50A					
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	02/04/2025			1 / 2	

LOAD PERFORMANCE CURVE

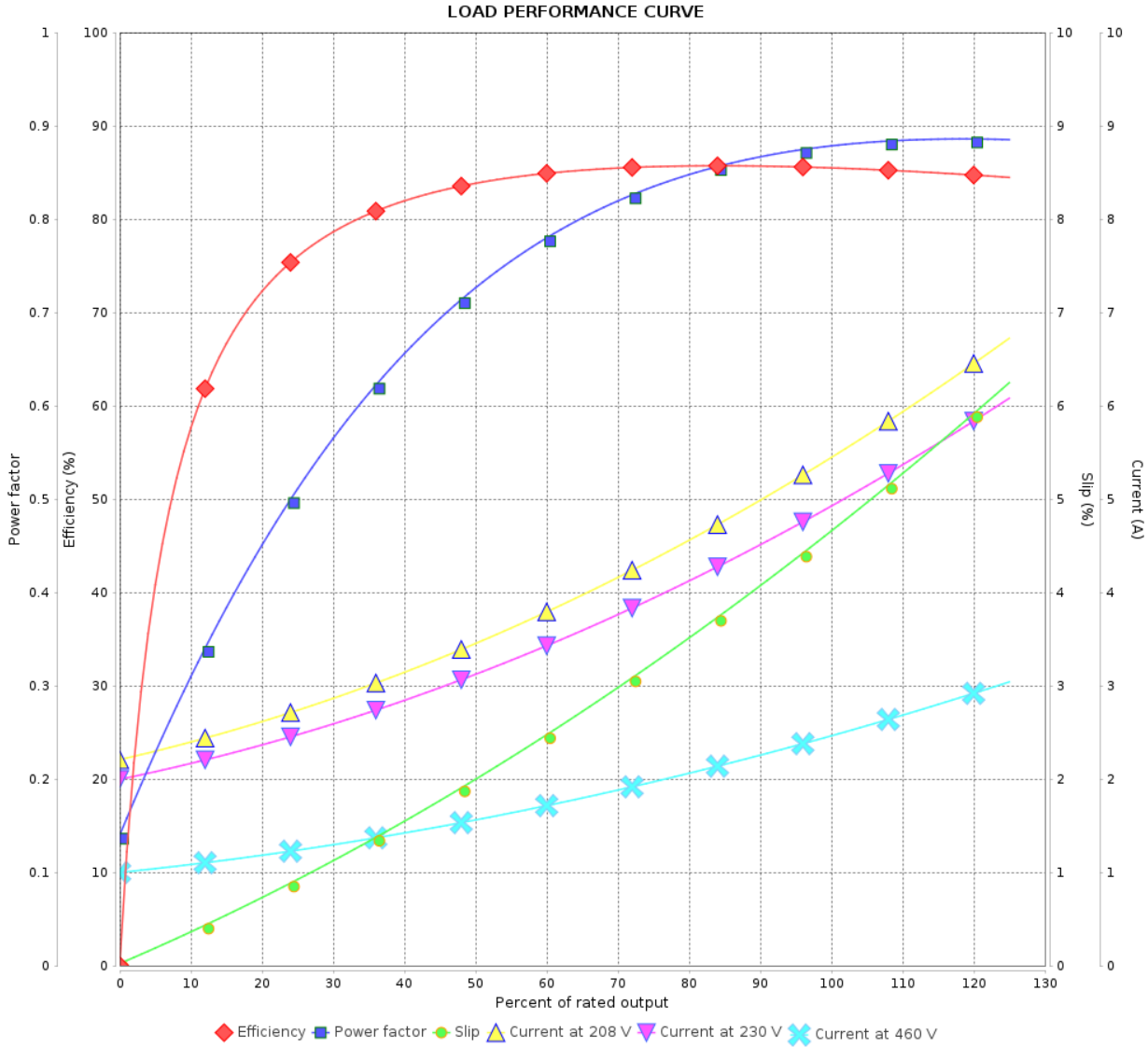
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three-Phase

Product code : 11994480

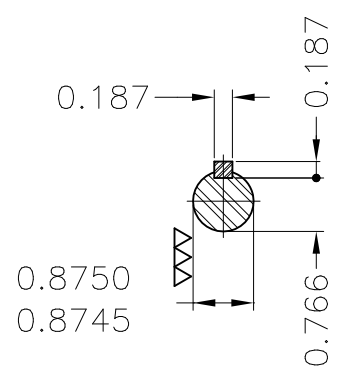
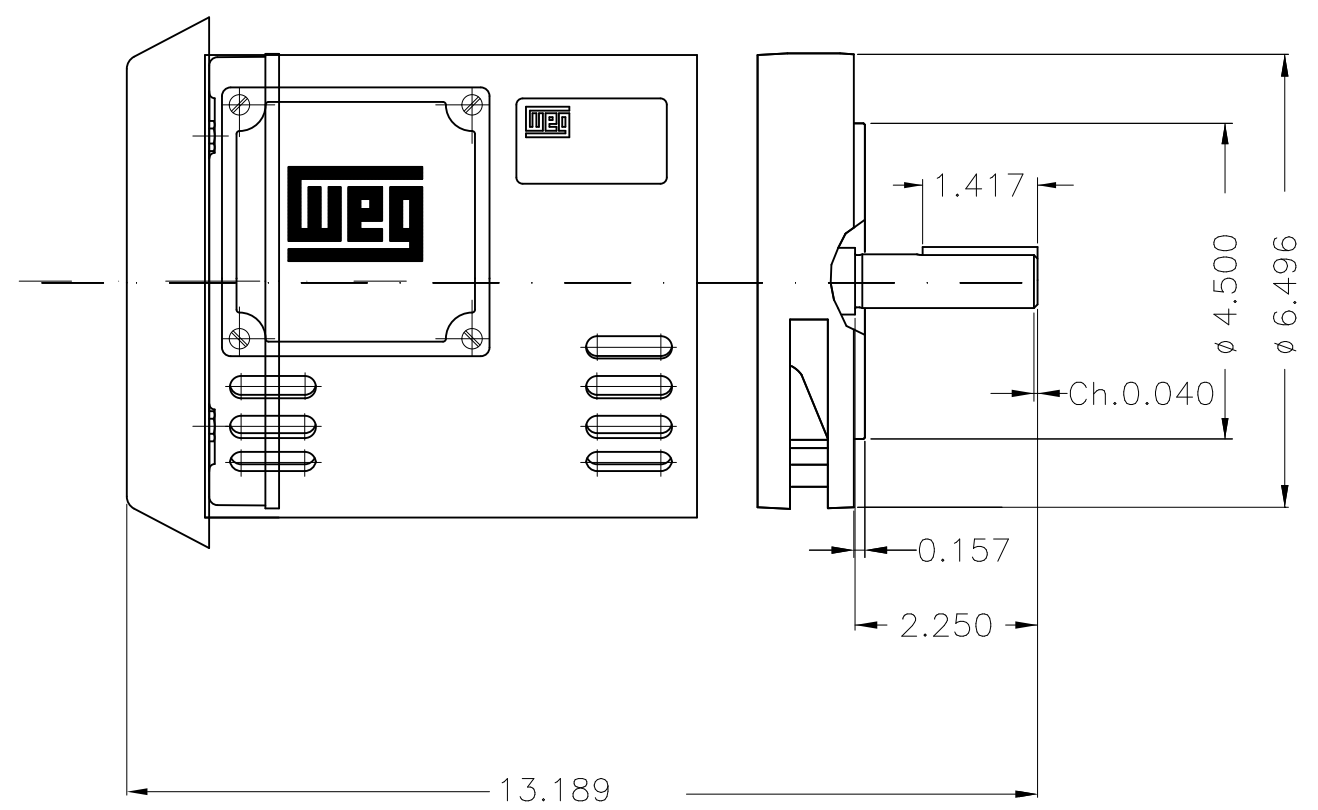
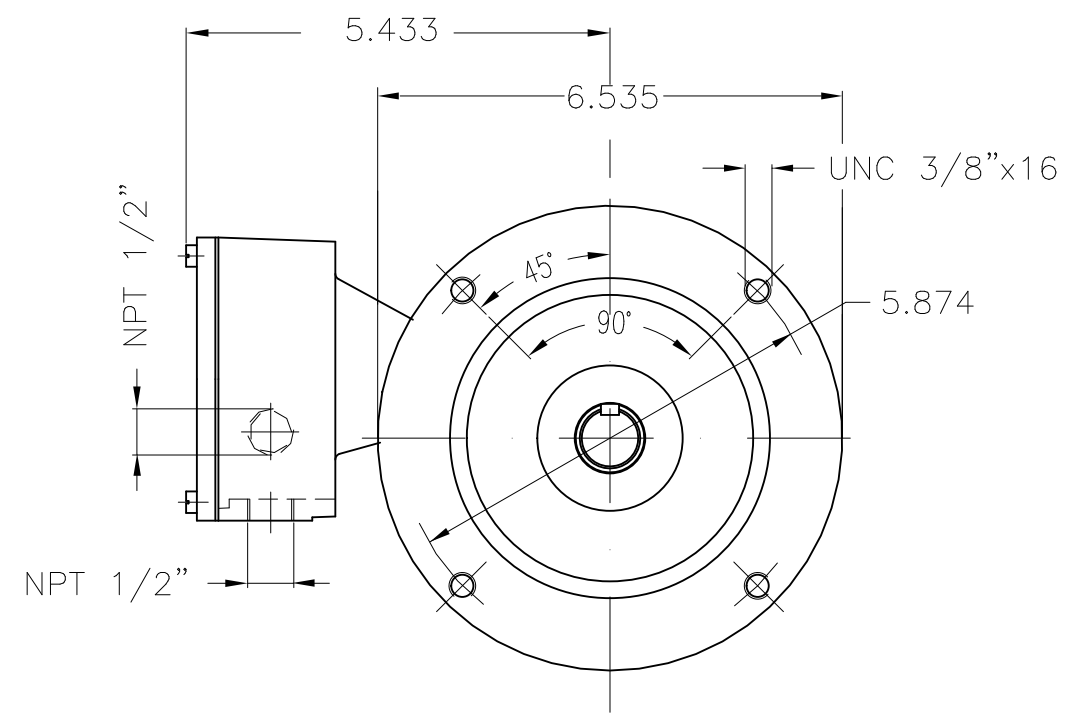


Performance : 230/460 V 60 Hz 2P

Rated current : 5.00/2.50 A
 LRC : 9.0
 Rated torque : 0.423 kgfm
 Locked rotor torque : 450 %
 Breakdown torque : 350 %
 Rated speed : 3430 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
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Mounting B14R(D)						
ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE
EXECUTED	HYBRISUSER	THREE PH. MOTOR GENERAL HIGH EFF.				
CHECKED		FRAME E143/5TC IP21 ODP				
RELEASED						
REL. DATE	WMO	Jaragua do Sul	Product Engineering	HYBRISUSER	00	

2 HP 02 Poles 60 Hz

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