

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line		: General High Efficiency Three-Phase		Product code : 11994425
Frame	: E143/5TC		Locked rotor time	: 27s (cold) 15s (hot)
Output	: 1.5 HP (1.1 kW)		Temperature rise	: 80 K
Frequency	: 60 Hz		Duty cycle	: Cont.(S1)
Rated voltage	: 575 V		Ambient temperature	: -20°C to +40°C
Poles	: 2		Altitude	: 1000 m.a.s.l.
Rated current	: 1.56 A		Protection degree	: IP21
	: 8.8x(Code L)		Cooling method	: IC01 - ODP
Rated speed	: 3430 rpm		Mounting	: F-1
Rated torque	: 0.317 kgfm		Rotation ¹	: Both (CW and CCW)
Insulation class	: F		Noise level ²	: 58.0 dB(A)
Service factor	: 1.15		Starting method	: Direct On Line
Moment of inertia (J)	: 0.0018 kgm ²		Approx. weight ³	: 0.0 kg
Design	: B			
Output	50%	75%	100%	Foundation loads
Efficiency (%)	81.5	84.0	84.0	Max. traction : 30 kgf
Power Factor	0.69	0.80	0.86	Max. compression : 30 kgf
Bearing type	:	<u>Drive end</u> 6205 ZZ	<u>Non drive end</u> 6204 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
Performed by				
Checked by				
Date	14/04/2026		Page	Revision
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LOAD PERFORMANCE CURVE

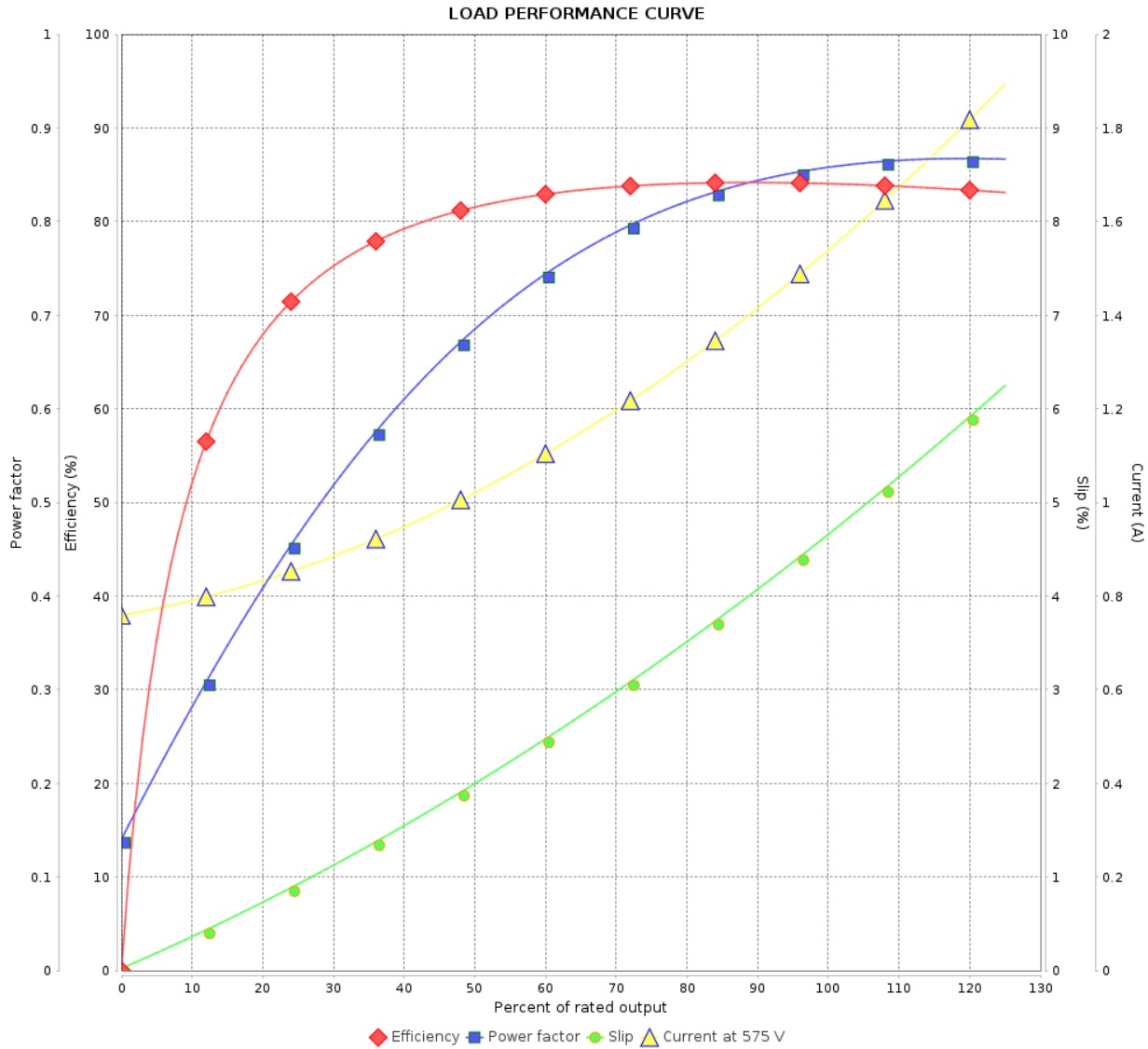
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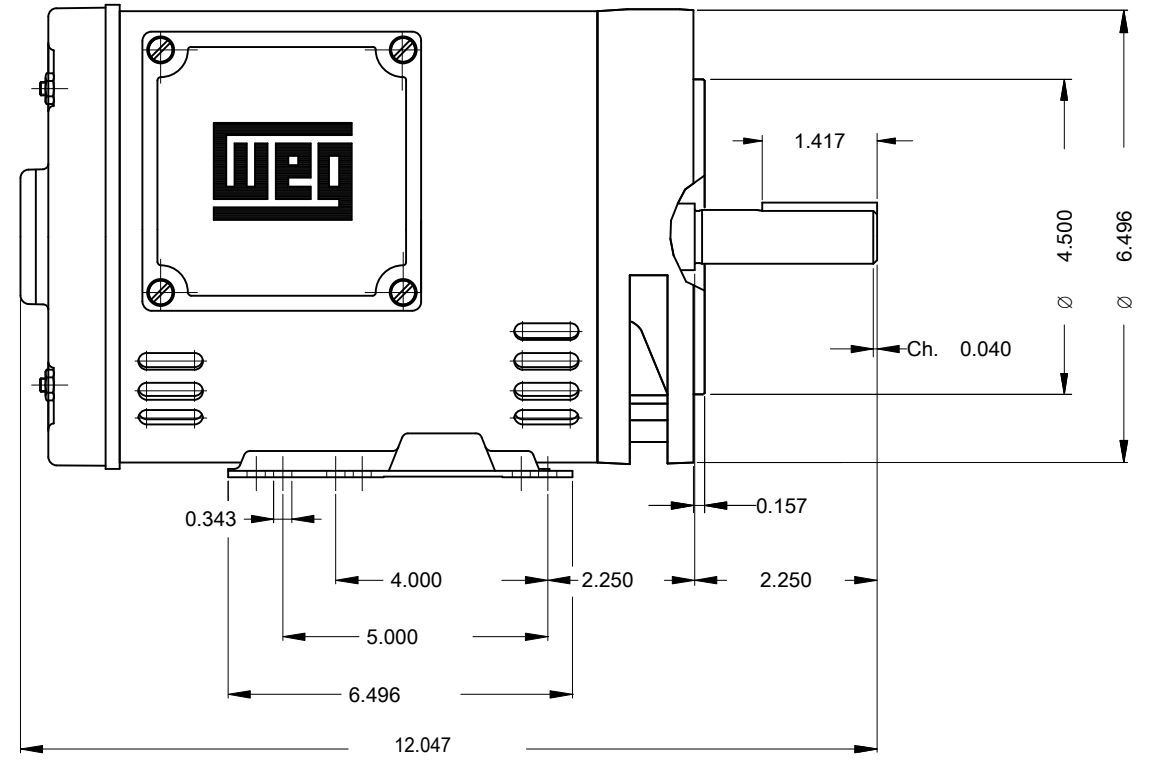
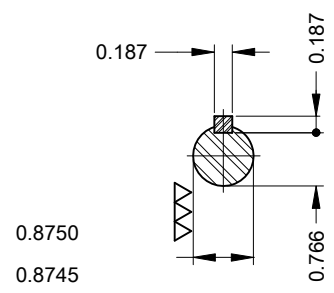
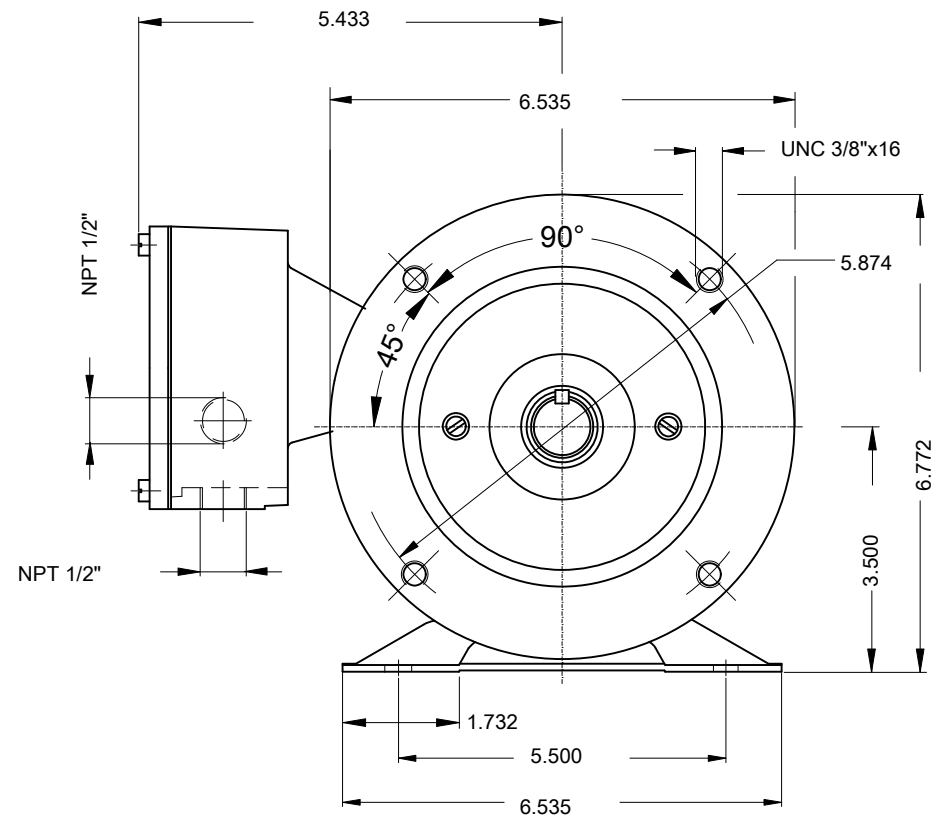
Customer : _____

Product line : General High Efficiency Three-Phase

Product code : 11994425



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Mounting B34D										
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	DATAVIEWERUSER	THREE PH. MOTOR GENERAL HIGH EFF.								00
CHECKED		FRAME E143/5TC IP21 ODP								
RELEASED										
REL. DATE		WMO	Jaragua do Sul	Product Engineering						

1.5 HP 02 Poles 60 Hz

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PREVIEW
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