

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Standard Efficiency Three-Phase	Product code :	14056327
Frame	: 56HC	Cooling method	: IC411 - TEFC	
Insulation class	: F	Mounting	: F-1	
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)	
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line	
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 14.0 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0056 kgm ²	
Design	: A			
Output [HP]	0.75			
Poles	6			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	1.07			
L. R. Amperes [A]	6.22			
LRC [A]	5.8x(Code K)			
No load current [A]	0.777			
Rated speed [RPM]	1155			
Slip [%]	3.75			
Rated torque [kgfm]	0.471			
Locked rotor torque [%]	229			
Breakdown torque [%]	300			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	37s (cold) 21s (hot)			
Noise level ²	50.0 dB(A)			
Efficiency (%)	25%			
	50%	70.0		
	75%	74.0		
	100%	75.5		
Power Factor	25%			
	50%	0.46		
	75%	0.59		
	100%	0.68		
Bearing type	: Drive end 6203 ZZ Non drive end 6202 ZZ	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction : 38 kgf		
Lubrication interval	: - -	Max. compression : 52 kgf		
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				
Date	13/05/2022		Page 1 / 2	Revision

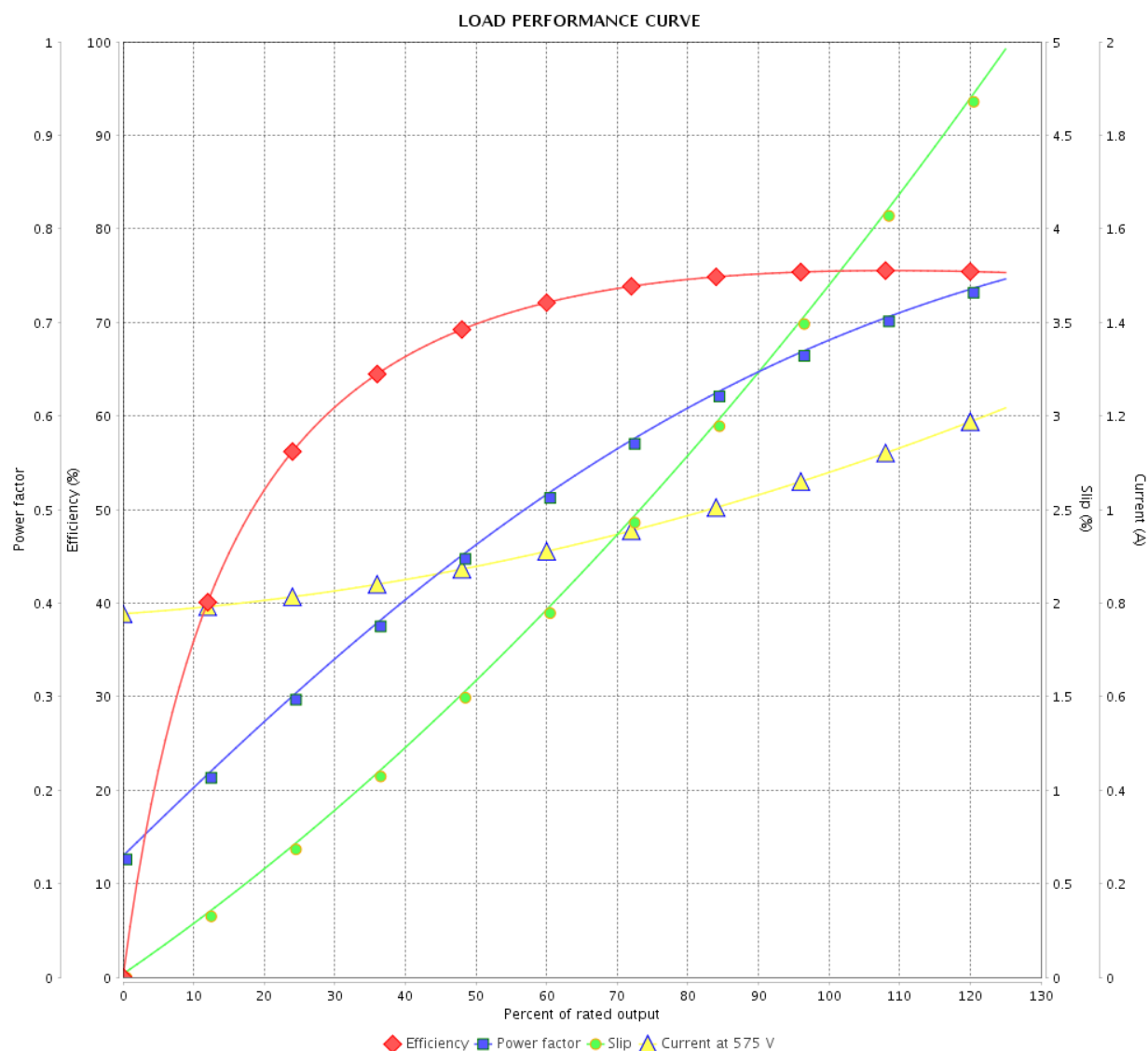
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



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Product line : Standard Efficiency Three-Phase Product code : 14056327

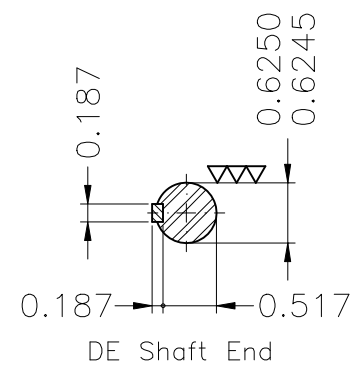
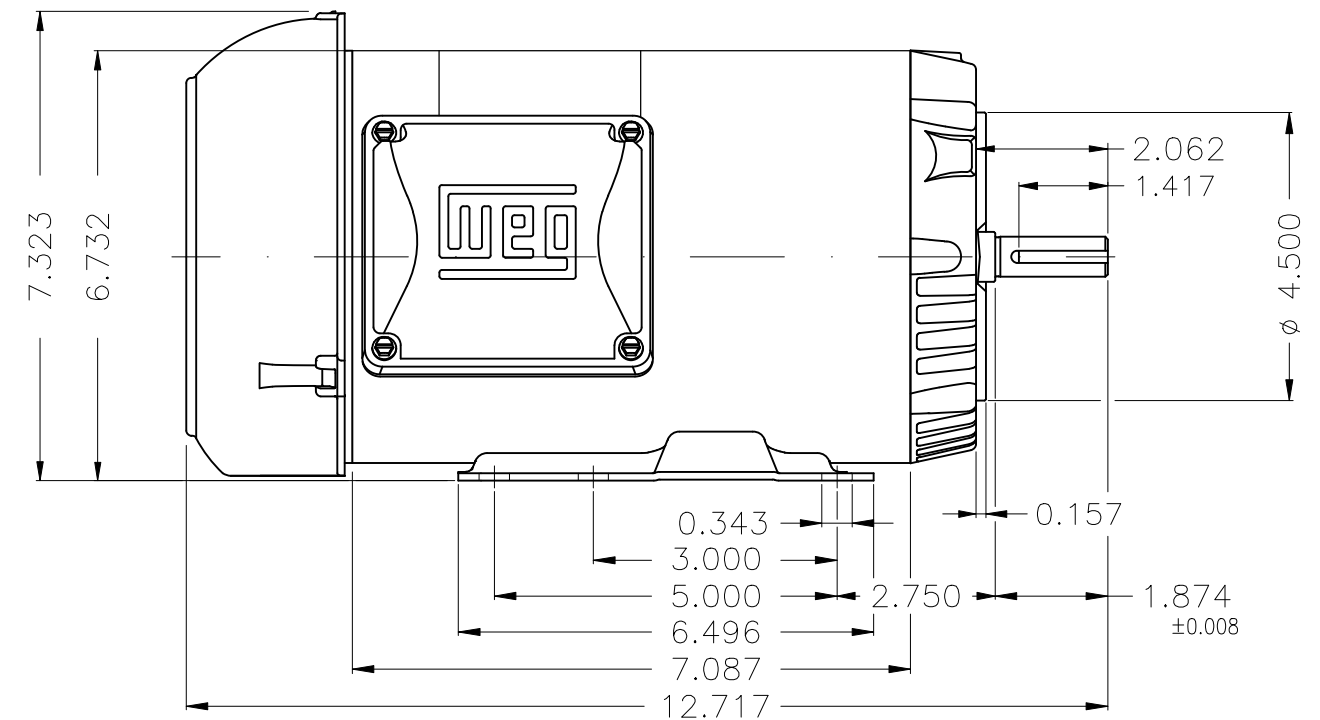


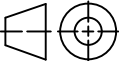
Performance : 575 V 60 Hz 6P

Rated current : 1.07 A
 LRC : 5.8
 Rated torque : 0.471 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 300 %
 Rated speed : 1155 rpm

Moment of inertia (J) : 0.0056 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

Rev.	Changes Summary		Performed	Checked	Date
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Date					



Color Munsell N 1 matte black									
Painting plan 207N									
Mounting B34D									
						HYBRISUSER			00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE VER
EXECUTED	HYBRISUSER		THREE PH. MOTOR ROLLED STEEL FRAME 56HC IP55 TEFC			PREVIEW WDD 00			
CHECKED									
RELEASED									
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			