

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Three-Phase		Product code : 13632643		
Frame : 56	Insulation class : F	Cooling method : IC01 - ODP	Mounting : F-1	
Duty cycle : Cont.(S1)	Ambient temperature : -20°C to +40°C	Rotation ¹ : Both (CW and CCW)	Starting method : Direct On Line	
Altitude : 1000 m.a.s.l.		Approx. weight ³ : 9.4 kg	Moment of inertia (J) : 0.0025 kgm ²	
Output [HP]	0.5			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	0.689			
L. R. Amperes [A]	4.96			
LRC [A]	7.2x(Code L)			
No load current [A]	0.520			
Rated speed [RPM]	1765			
Slip [%]	1.94			
Rated torque [kgfm]	0.206			
Locked rotor torque [%]	240			
Breakdown torque [%]	330			
Service factor	1.25			
Temperature rise	80 K			
Locked rotor time	48s (cold) 27s (hot)			
Noise level ²	52.0 dB(A)			
Efficiency (%)	25%			
	50%	70.0		
	75%	75.5		
	100%	78.2		
Power Factor	25%			
	50%	0.47		
	75%	0.60		
	100%	0.69		
Bearing type : 6203 ZZ	Drive end	Non drive end	Foundation loads	
Sealing : Without			Max. traction : 17 kgf	
	Bearing Seal	Bearing Seal	Max. compression : 26 kgf	
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			Page 1 / 2	Revision
Checked by				
Date	17/05/2022			

LOAD PERFORMANCE CURVE

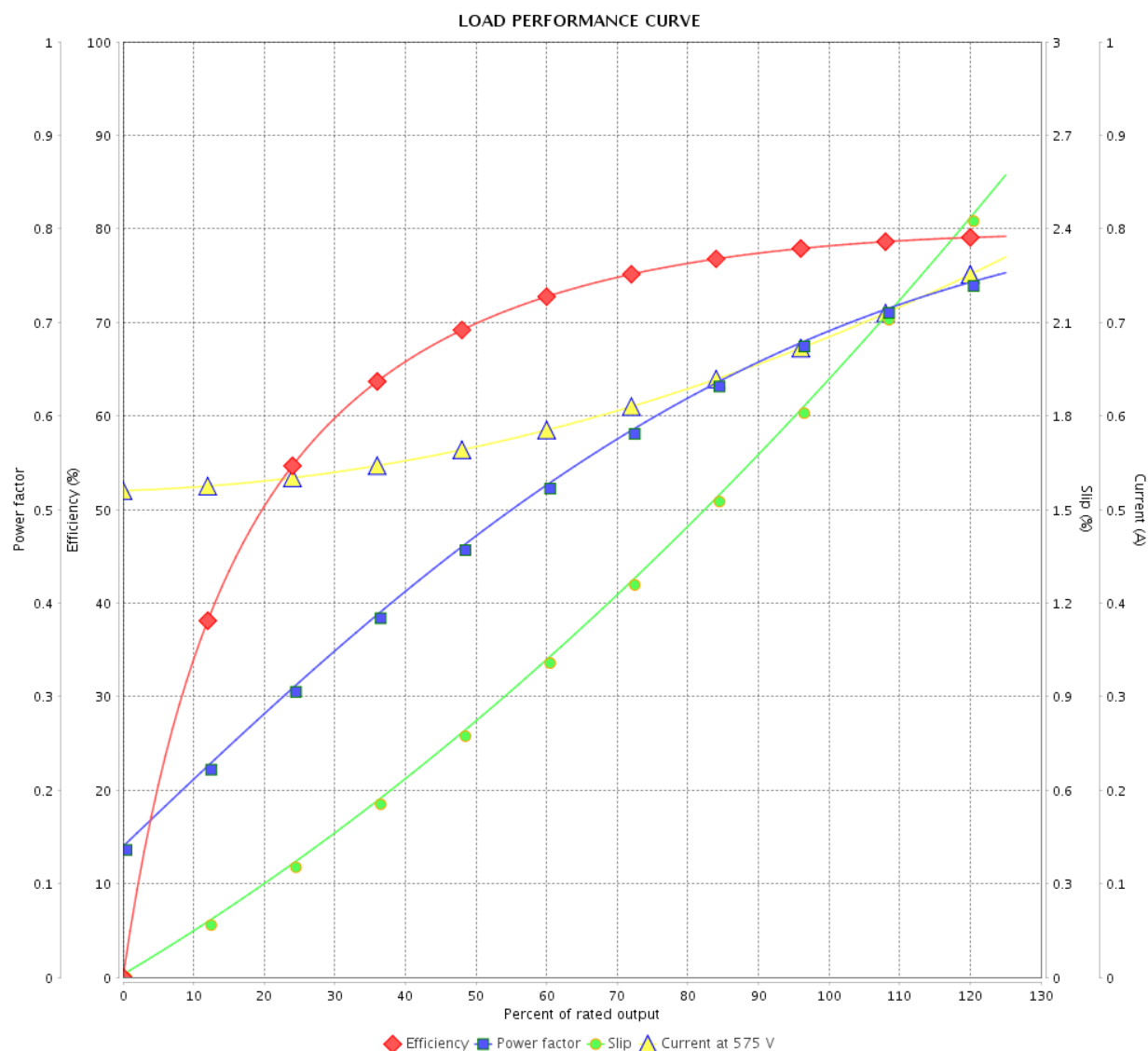
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Product code : 13632643

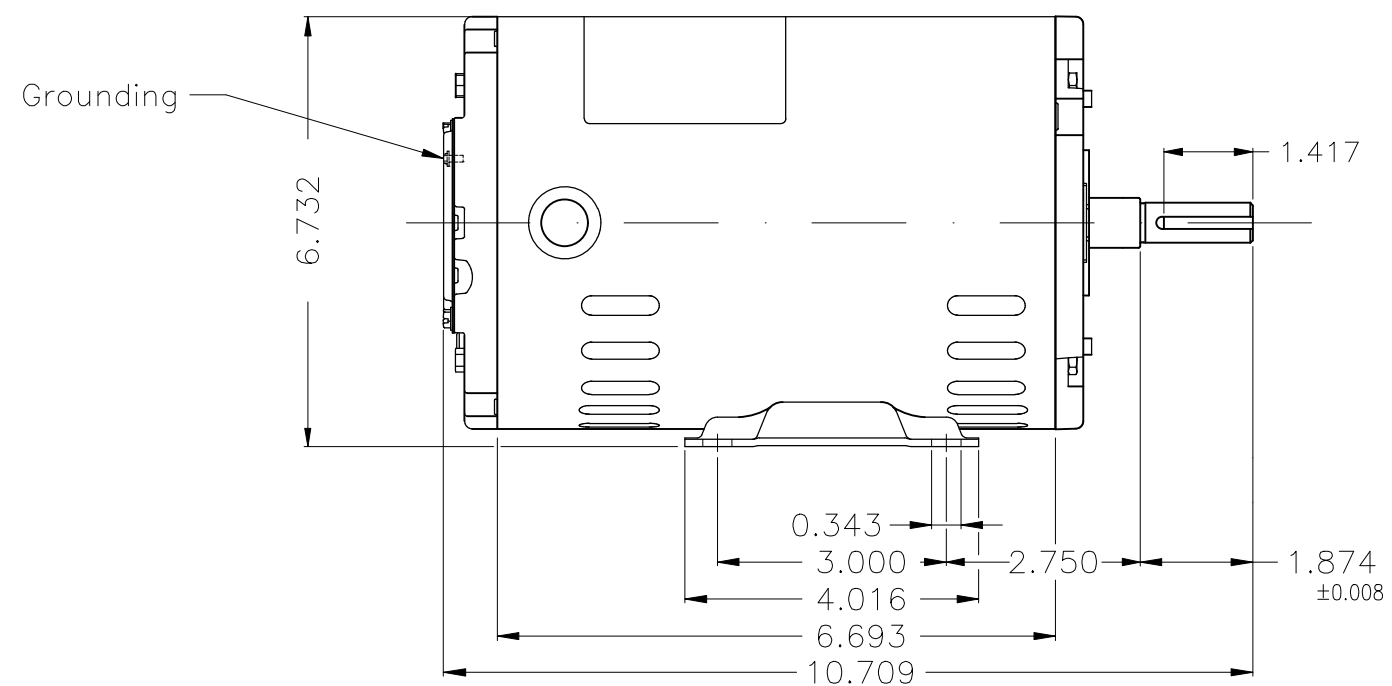
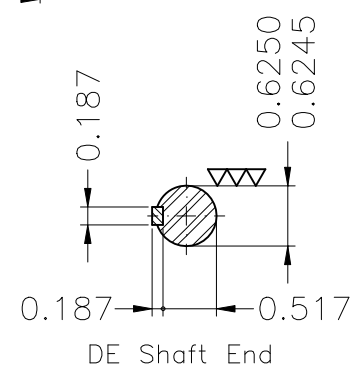
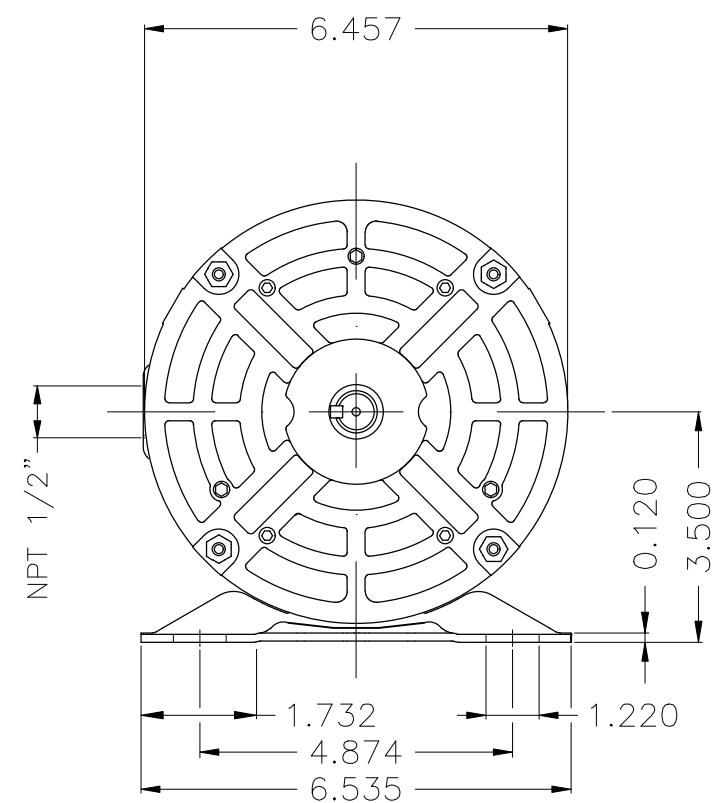


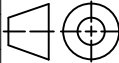
Performance : 575 V 60 Hz 4P

Rated current : 0.689 A
 LRC : 7.2
 Rated torque : 0.206 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 330 %
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

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



Color Munsell N 1 matte black									
Painting plan 207N									
Mounting F-1/B3R(D)									
						HYBRISUSER			00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE VER
EXECUTED	HYBRISUSER		THREE PH. MOTOR ROLLED STEEL PREM. EFF. FRAME 56 IP21 ODP			PREVIEW WDD 00			
CHECKED									
RELEASED									
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			