

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Standard Efficiency Three-Phase			
Product code	: 13377281			
Frame	: 56			
Insulation class	: F			
Duty cycle	: Cont.(S1)			
Ambient temperature	: -20°C to +40°C			
Altitude	: 1000 m.a.s.l.			
Cooling method	: IC01 - ODP			
Mounting	: F-1			
Rotation ¹	: Both (CW and CCW)			
Starting method	: Direct On Line			
Approx. weight ³	: 9.4 kg			
Moment of inertia (J)	: 0.0025 kgm ²			
Output [HP]	0.75			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	1.07			
L. R. Amperes [A]	6.75			
LRC [A]	6.3x(Code K)			
No load current [A]	0.880			
Rated speed [RPM]	1755			
Slip [%]	2.50			
Rated torque [kgfm]	0.310			
Locked rotor torque [%]	229			
Breakdown torque [%]	300			
Service factor	1.25			
Temperature rise	80 K			
Locked rotor time	23s (cold) 13s (hot)			
Noise level ²	52.0 dB(A)			
Efficiency (%)	25%			
	50%	66.0		
	75%	72.0		
	100%	75.5		
Power Factor	25%			
	50%	0.45		
	75%	0.58		
	100%	0.68		
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ			
Sealing	: Without Without Bearing Seal Bearing Seal			
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Foundation loads	Max. traction : 25 kgf Max. compression : 34 kgf			
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			Page	Revision
Date	17/05/2022		1 / 2	

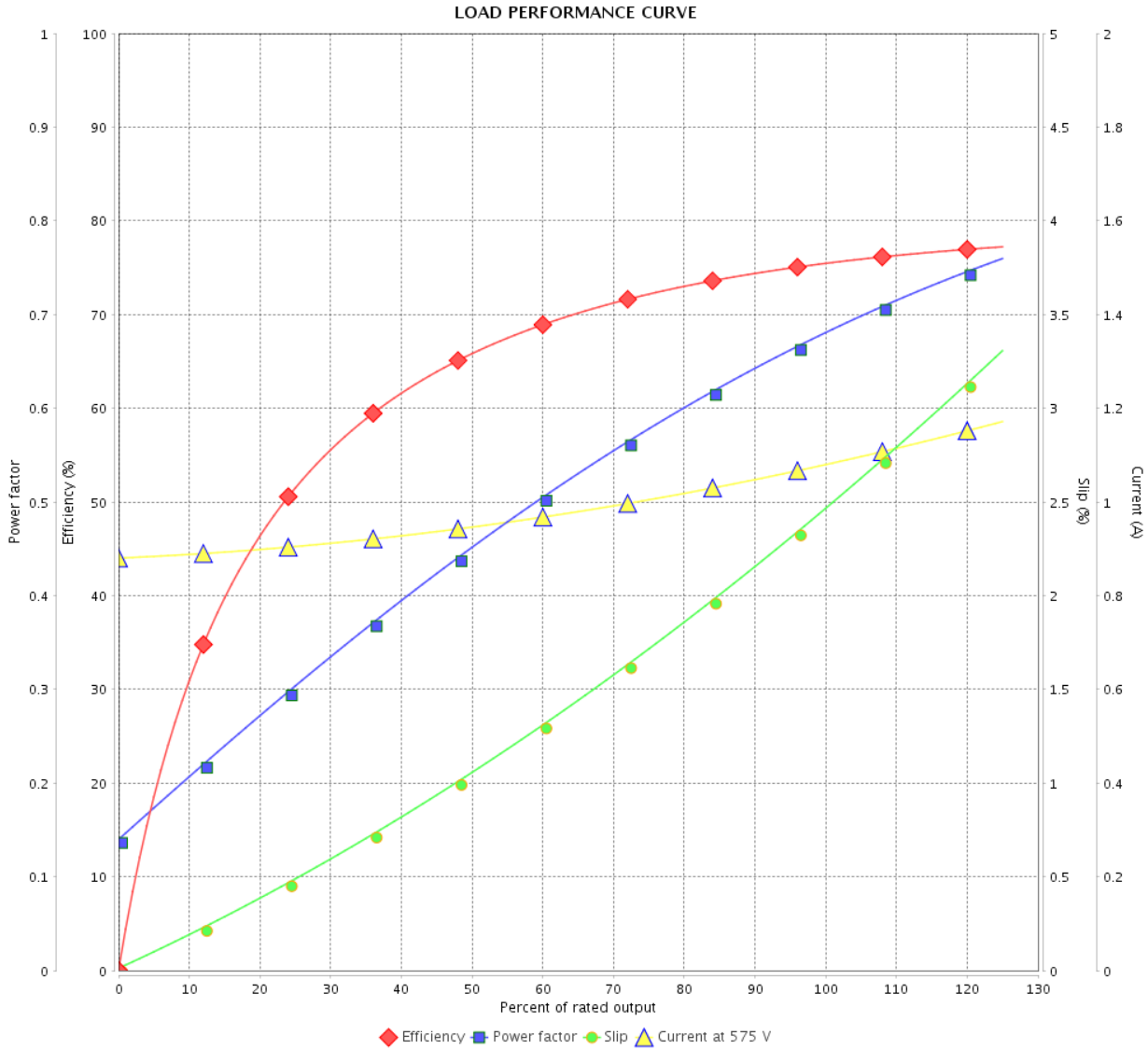
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13377281



Performance : 575 V 60 Hz 4P

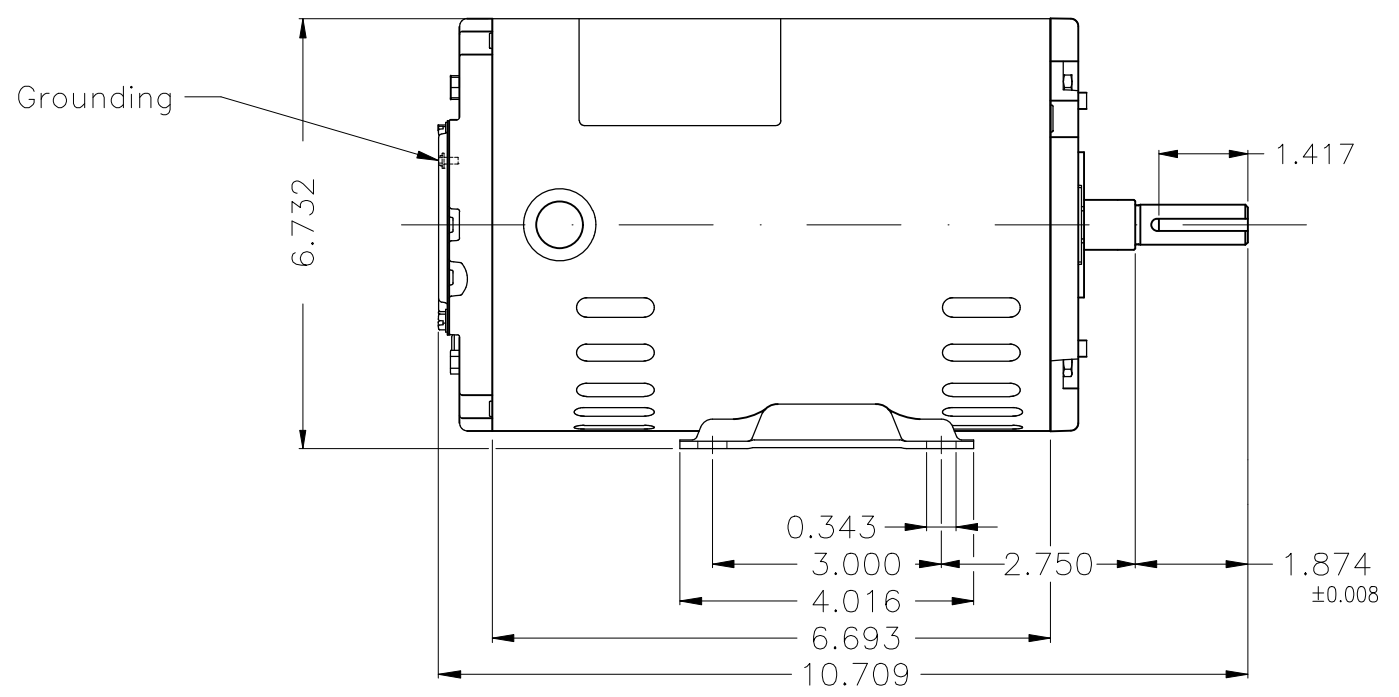
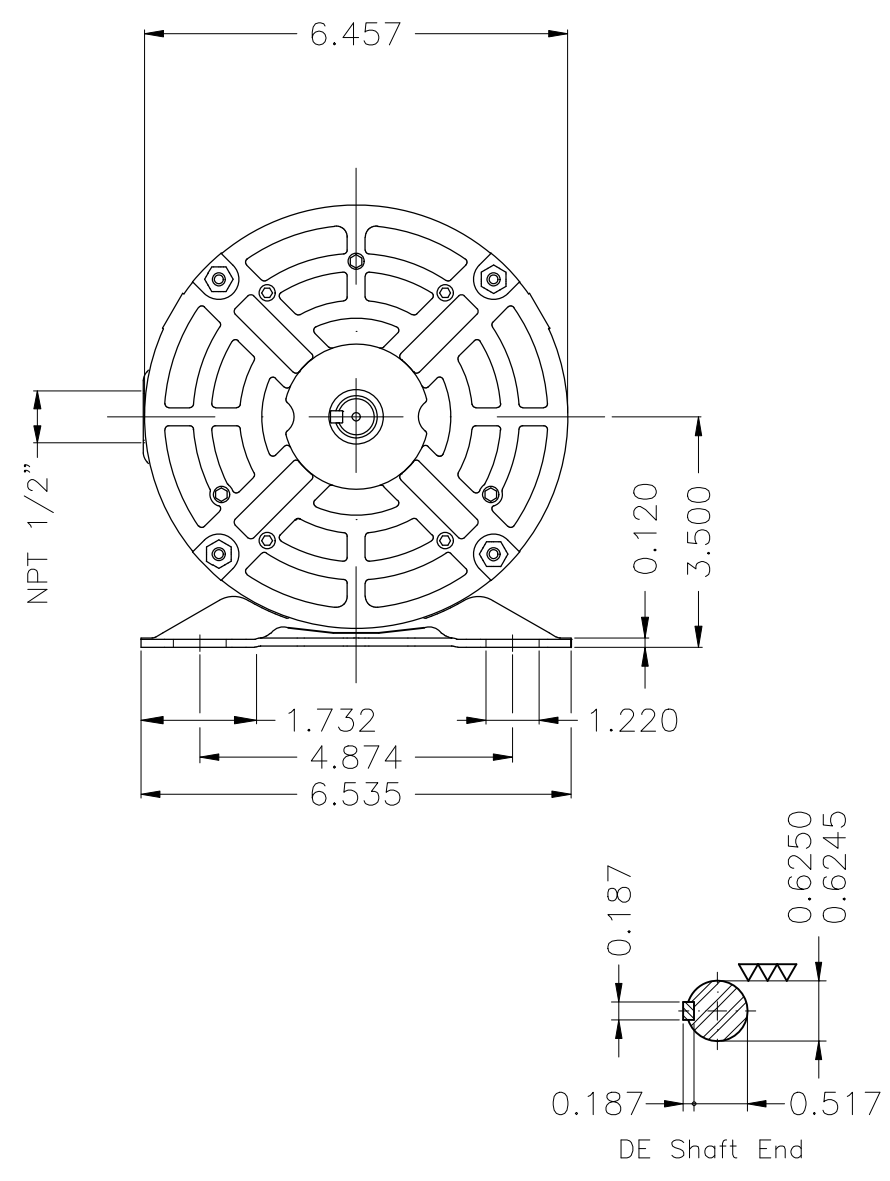
Rated current : 1.07 A
 LRC : 6.3
 Rated torque : 0.310 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 300 %
 Rated speed : 1755 rpm


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

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1 2 3 4 5 6

A
B
C
D
E



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				PREVIEW			
CHECKED		FRAME 56 IP21 ODP				WDD	00		
RELEASED						SHEET	1 / 1		
REL. DATE		WMO	Jaragua do Sul	Product Engineering					

0.75 HP 04 Poles 60 Hz

A