

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Three-Phase	Product code : 13737456		
Frame	: 56	Cooling method : IC01 - ODP		
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 : 16.8 kg		
Design	: A	Moment of inertia (J) : 0.0055 kgm ²		
Output [HP]		1.5		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.68		
L. R. Amperes [A]		14.8		
LRC [A]		8.8x(Code L)		
No load current [A]		1.04		
Rated speed [RPM]		1760		
Slip [%]		2.22		
Rated torque [kgfm]		0.619		
Locked rotor torque [%]		290		
Breakdown torque [%]		350		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		25s (cold) 14s (hot)		
Noise level ²		52.0 dB(A)		
Efficiency (%)	25%			
	50%	84.0		
	75%	85.5		
	100%	86.5		
Power Factor	25%			
	50%	0.53		
	75%	0.66		
	100%	0.76		
Bearing type	: <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction : 61 kgf Max. compression : 78 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	Date
Performed by				
Checked by			Page	Revision
Date	17/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

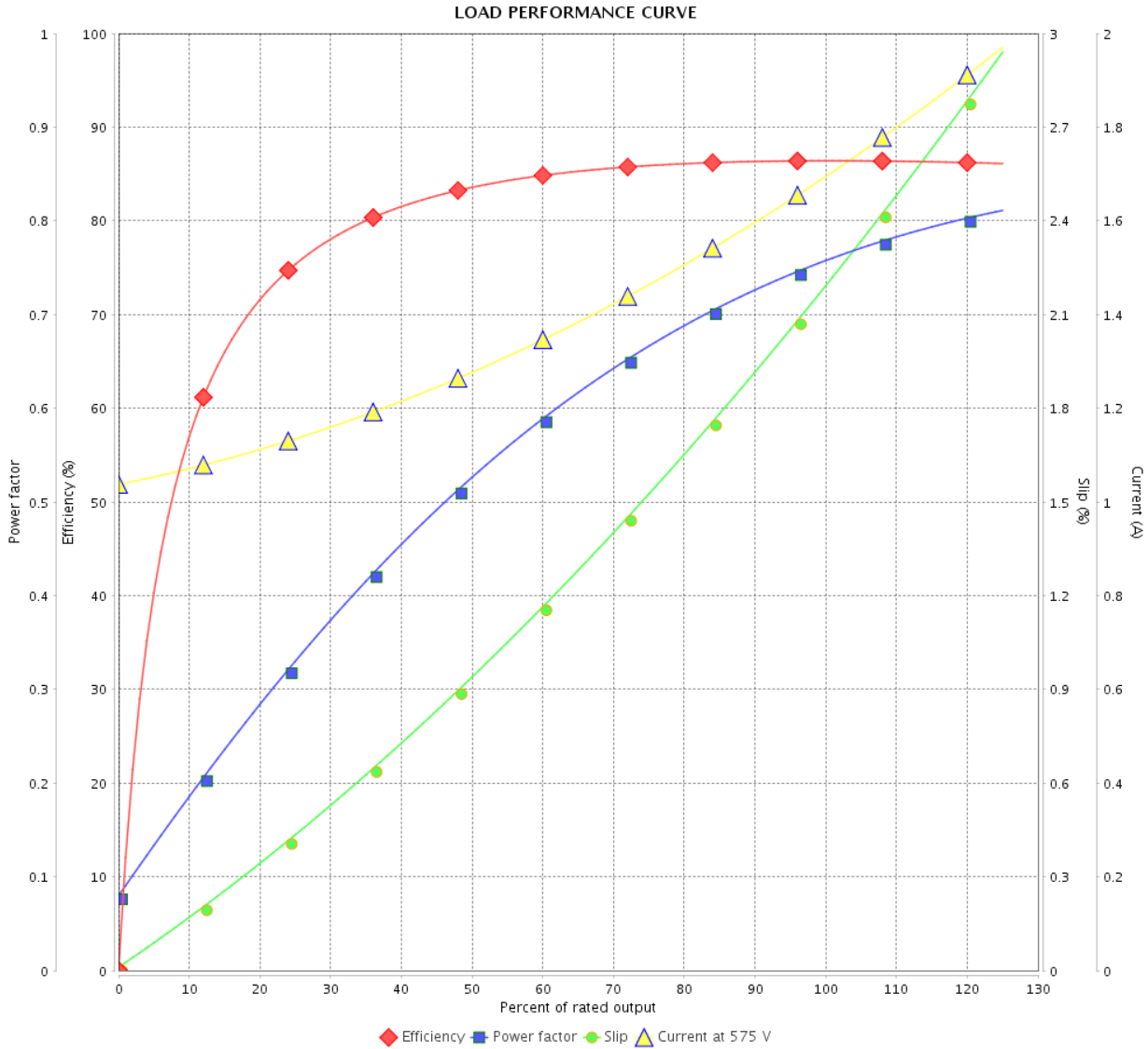
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Three-Phase

Product code : 13737456



Performance : 575 V 60 Hz 4P

Rated current : 1.68 A
 LRC : 8.8
 Rated torque : 0.619 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 350 %
 Rated speed : 1760 rpm

Moment of inertia (J) : 0.0055 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	17/05/2022			

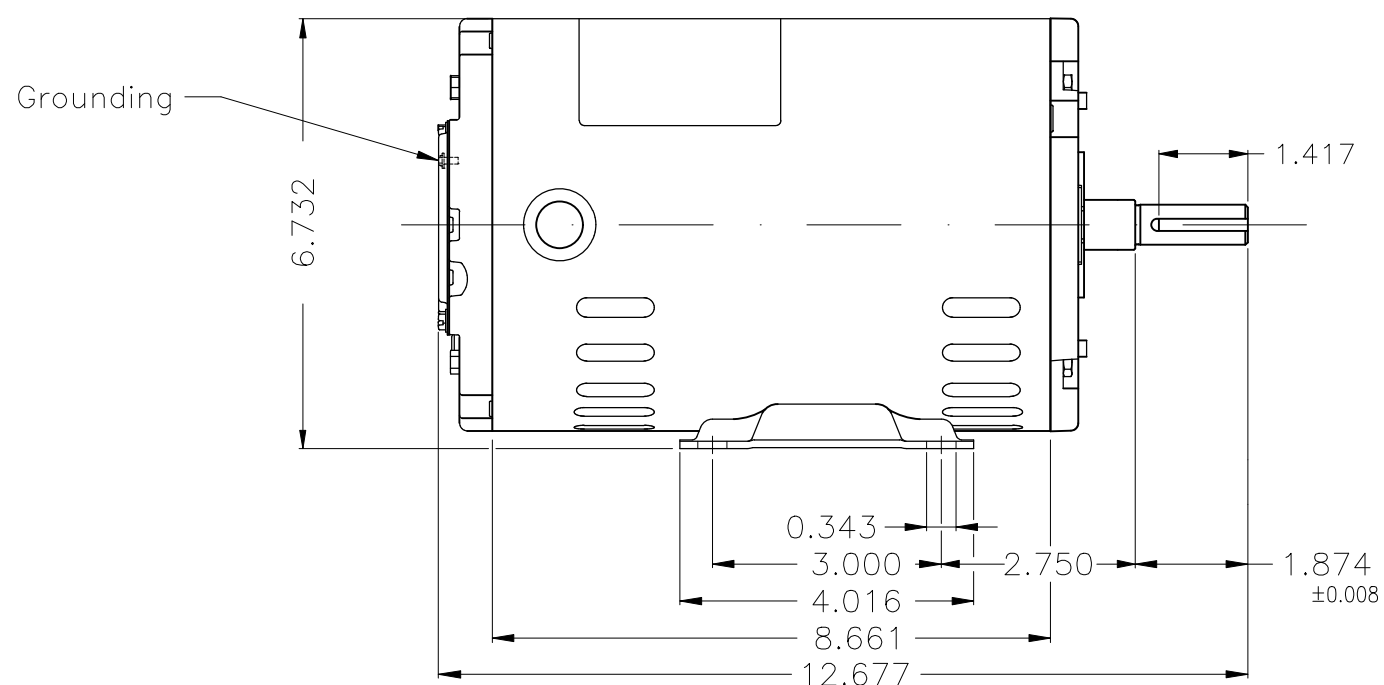
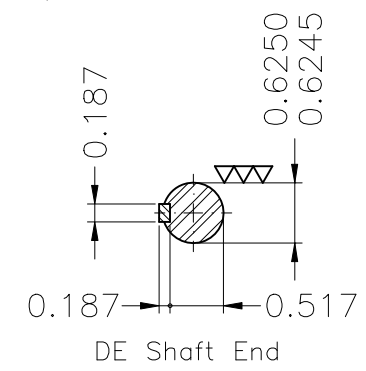
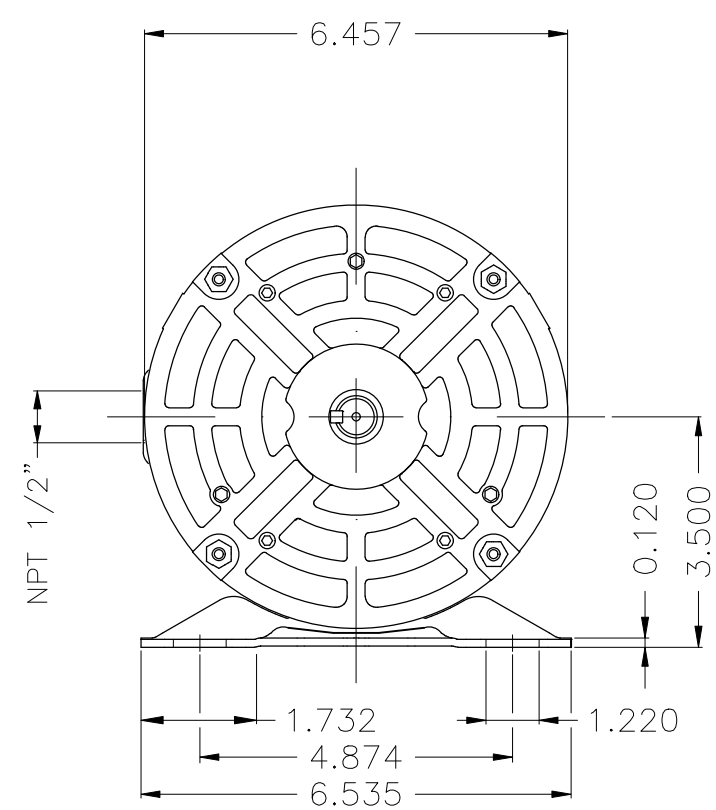
A

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
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	

1.5 HP 04 Poles 60 Hz

A