

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Standard Efficiency Three-Phase	Product code : 13505146		
Frame	: 56H	Cooling method : IC01 - ODP		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup> : Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup> : 14.9 kg		
Design	: A	Moment of inertia (J) : 0.0044 kgm <sup>2</sup>		
Output [HP]		2		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		2.49		
L. R. Amperes [A]		16.7		
LRC [A]		6.7x(Code K)		
No load current [A]		1.60		
Rated speed [RPM]		1740		
Slip [%]		3.33		
Rated torque [kgfm]		0.834		
Locked rotor torque [%]		240		
Breakdown torque [%]		250		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		12s (cold) 7s (hot)		
Noise level <sup>2</sup>		52.0 dB(A)		
Efficiency (%)	25%			
	50%	75.5		
	75%	78.5		
	100%	78.5		
Power Factor	25%			
	50%	0.54		
	75%	0.68		
	100%	0.77		
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 : 59 kgf Max. compression : 74 kgf		
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(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.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	17/05/2022		1 / 2	

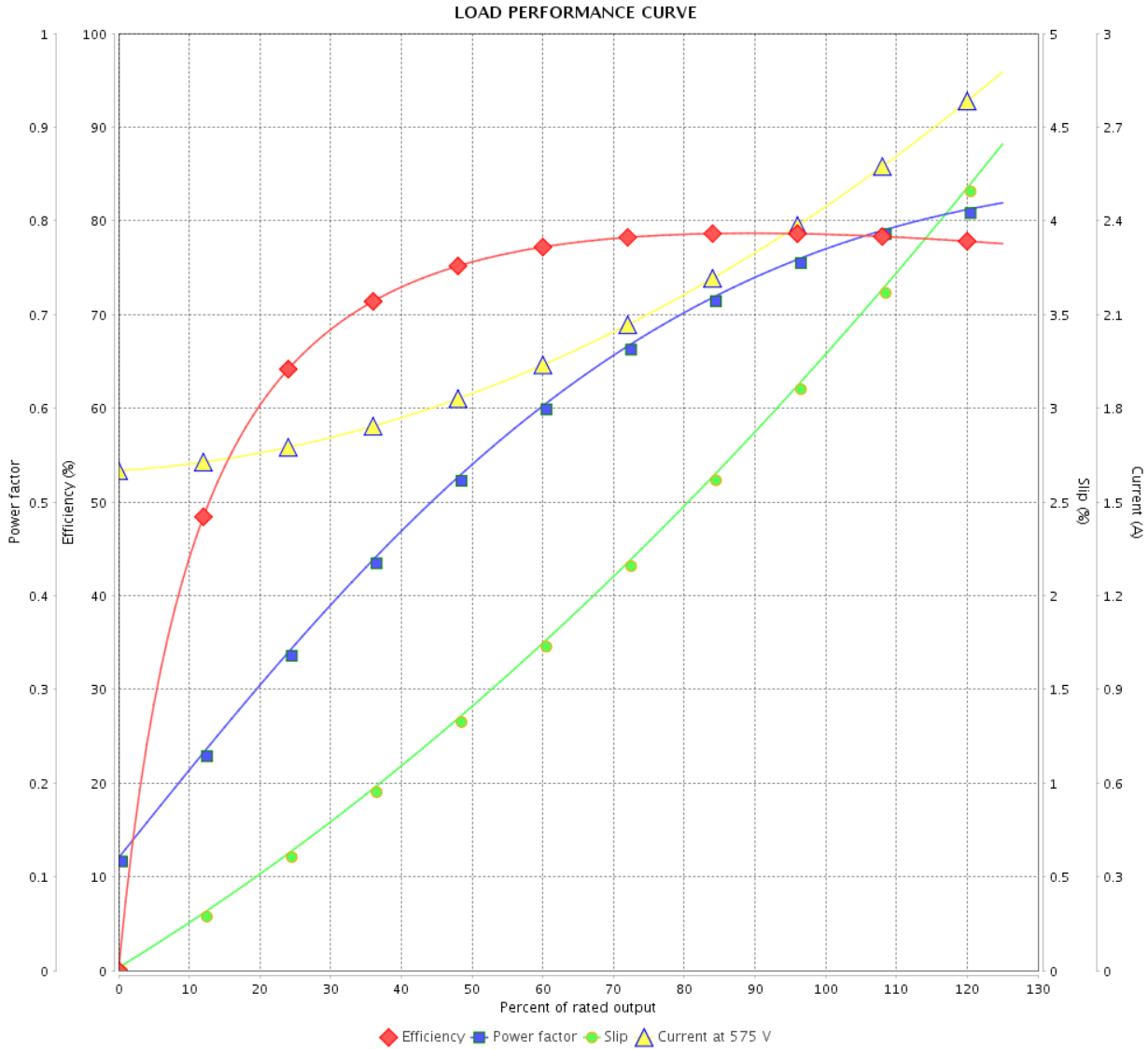
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13505146



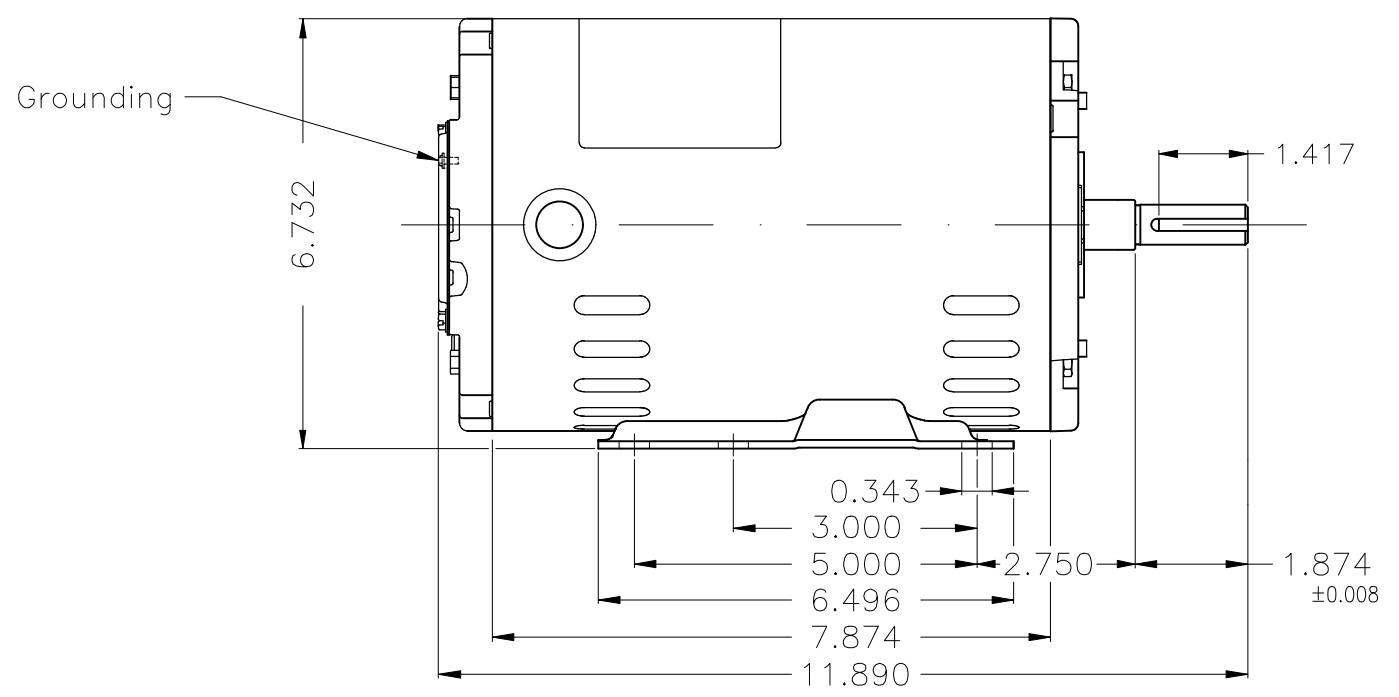
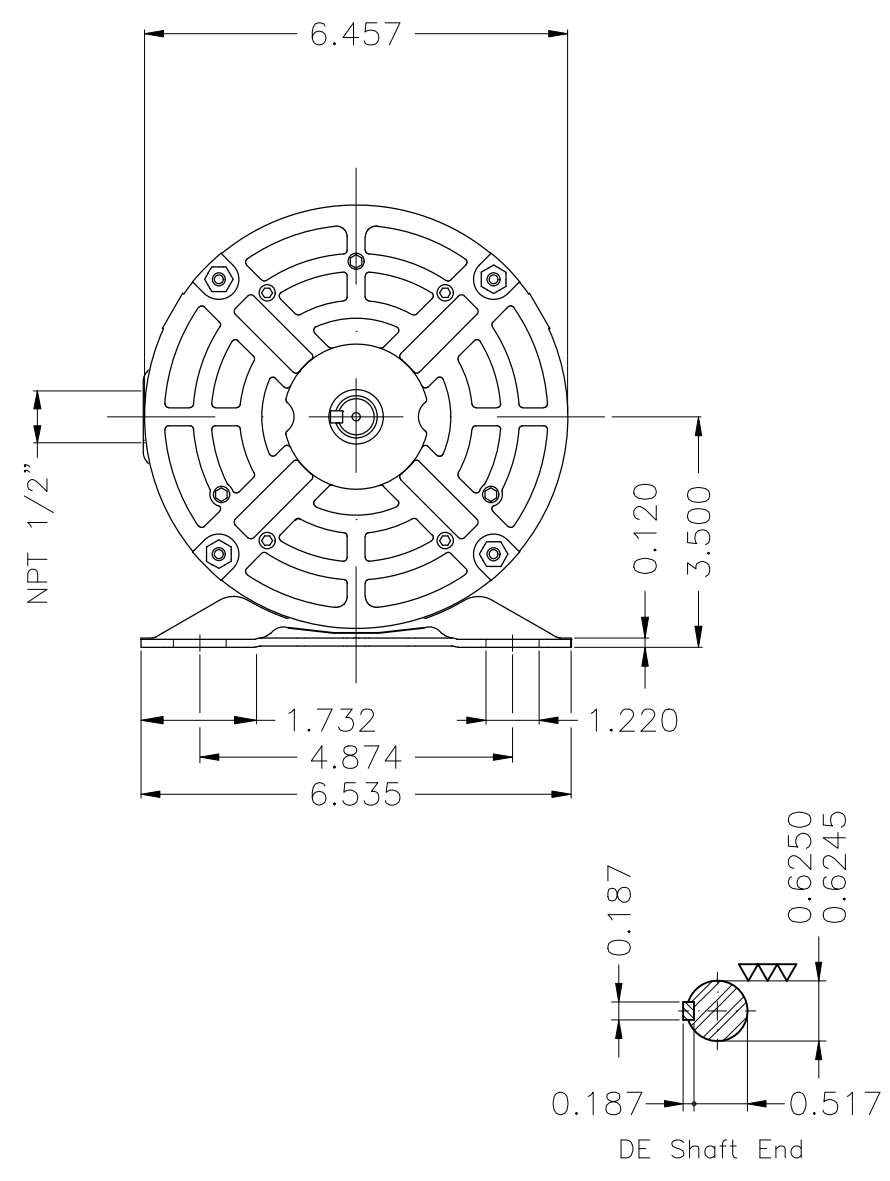
Performance : 575 V 60 Hz 4P

Rated current	: 2.49 A	Moment of inertia (J)	: 0.0044 kgm <sup>2</sup>
LRC	: 6.7	Duty cycle	: Cont.(S1)
Rated torque	: 0.834 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 1740 rpm	Design	: A

Rev.	Changes Summary	Performed	Checked	Date
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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 FRAME 56H IP21 ODP			PREVIEW					
CHECKED					WDD		00			
RELEASED					SHEET		1 / 1			
REL. DATE		WMO	Jaragua do Sul	Product Engineering						

2 HP 04 Poles 60 Hz

A



Dimensions in inches XME A3