

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Standard Efficiency Three-Phase	Product code : 14136431		
Frame	: W56	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 ² : 5.8 kg		
		Moment of inertia (J) : 0.0010 kgm ²		
Output [HP]		0.25		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		0.415		
L. R. Amperes [A]		1.95		
LRC [A]		4.7x(Code J)		
No load current [A]		0.359		
Rated speed [RPM]		1730		
Slip [%]		3.89		
Rated torque [kgfm]		0.105		
Locked rotor torque [%]		210		
Breakdown torque [%]		270		
Service factor		1.35		
Temperature rise		80 K		
Locked rotor time		54s (cold) 30s (hot)		
Noise level ²		50.0 dB(A)		
Efficiency (%)	25%			
	50%	52.5		
	75%	59.5		
	100%	64.0		
Power Factor	25%			
	50%	0.47		
	75%	0.58		
	100%	0.68		
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction : 6 kgf		
		Max. compression : 12 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.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(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	

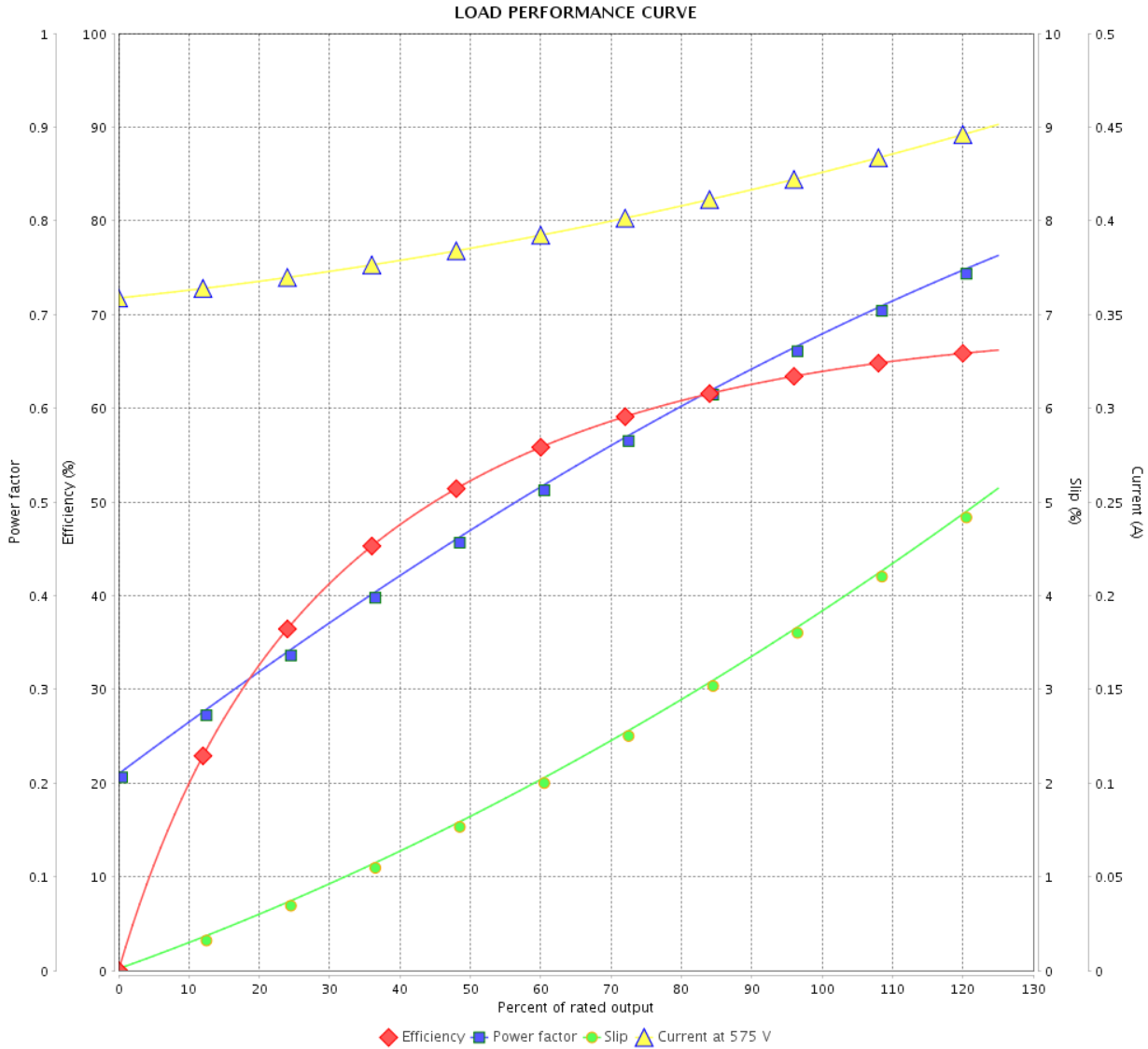
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 14136431



Performance : 575 V 60 Hz 4P

Rated current	: 0.415 A	Moment of inertia (J)	: 0.0010 kgm ²
LRC	: 4.7	Duty cycle	: Cont.(S1)
Rated torque	: 0.105 kgfm	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.35
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1730 rpm		

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

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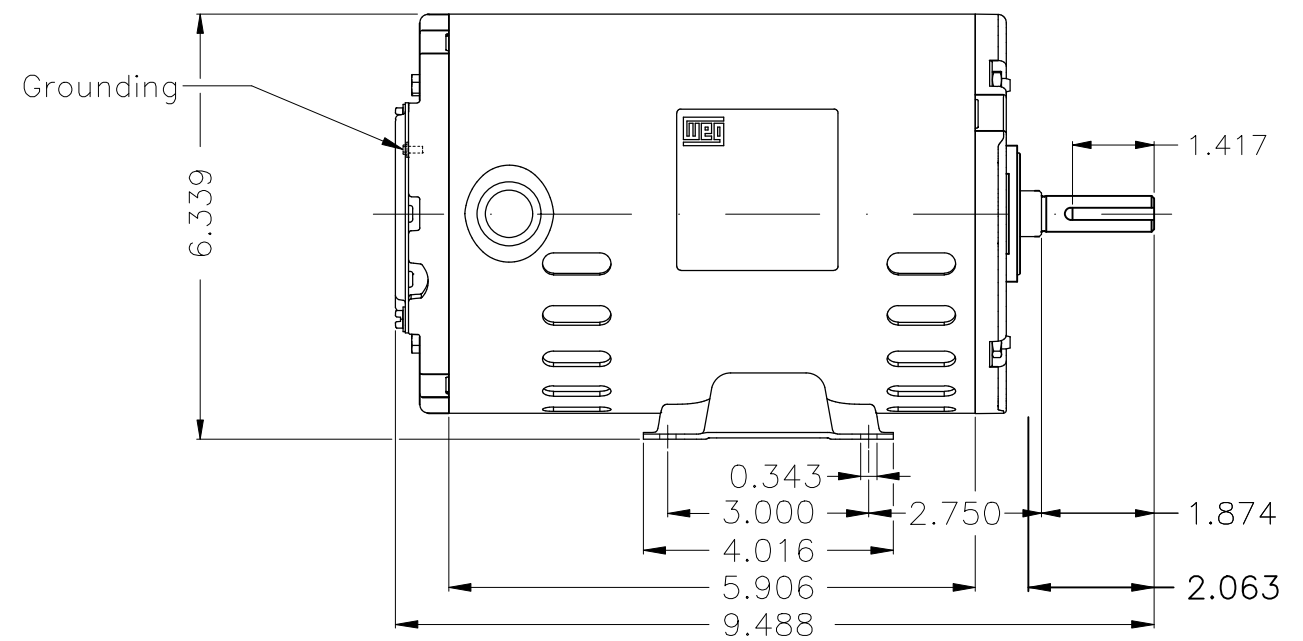
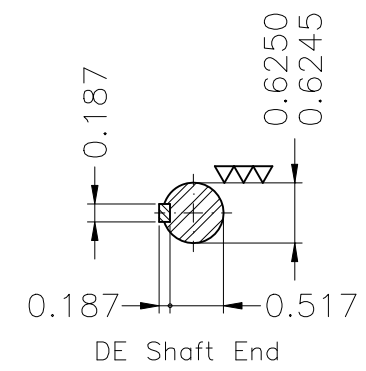
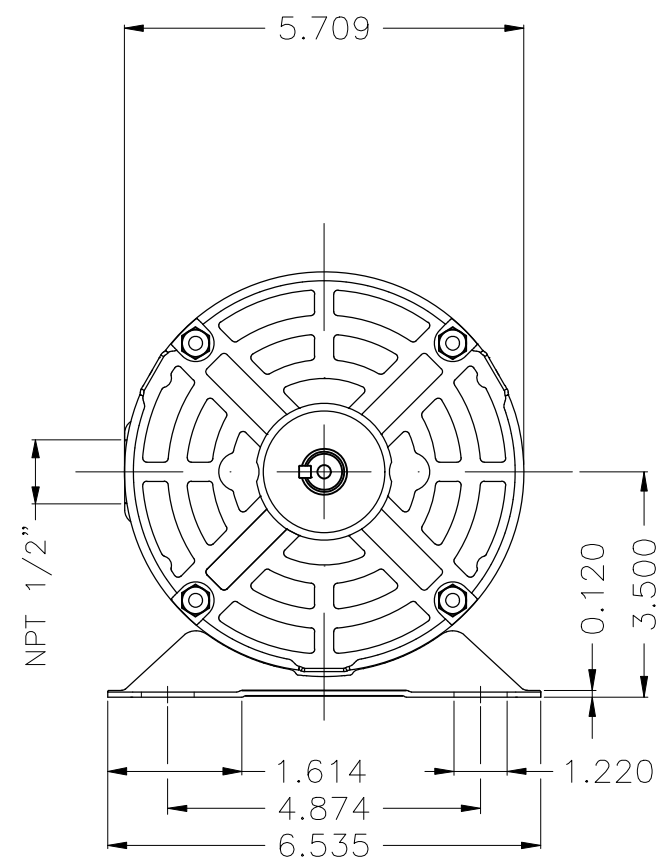
A

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 W56 IP21 ODP						WDD	00		
RELEASED								SHEET	1 / 1		
REL. DATE		WMO	Jaragua do Sul	Product Engineering							

0.25 HP 04 Poles 60 Hz

A