

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Jet Pump - J type Three-Phase	Product code : 13721664		
Frame	: W56J	Cooling method : IC411 - TEFC		
Insulation class	: F	Mounting : W-6		
Duty cycle	: Cont.(S1)	Rotation ¹ : CCW		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³ : 6.8 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0006 kgm ²		
Output [HP]		0.33		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		0.458		
L. R. Amperes [A]		3.25		
LRC [A]		7.1x(Code L)		
No load current [A]		0.283		
Rated speed [RPM]		3450		
Slip [%]		4.17		
Rated torque [kgfm]		0.069		
Locked rotor torque [%]		320		
Breakdown torque [%]		370		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		50s (cold) 28s (hot)		
Noise level ²		65.0 dB(A)		
Efficiency (%)	25%			
	50%	59.5		
	75%	66.0		
	100%	72.0		
Power Factor	25%			
	50%	0.61		
	75%	0.71		
	100%	0.76		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction : 4 kgf		
Lubrication interval	: - -	Max. compression : 11 kgf		
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	16/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

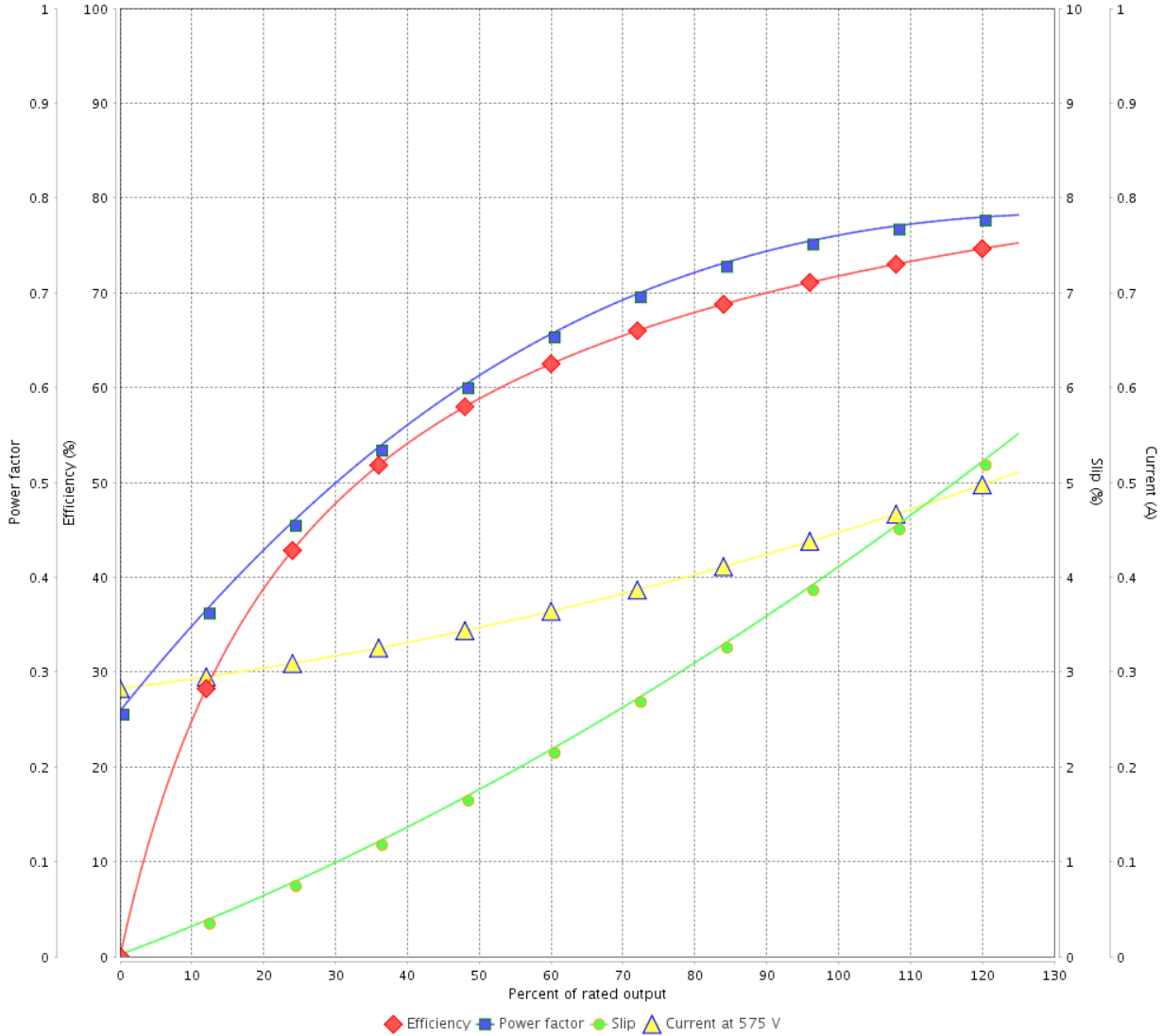
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Three-Phase Product code : 13721664

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Performance : 575 V 60 Hz 2P

Rated current : 0.458 A
 LRC : 7.1
 Rated torque : 0.069 kgfm
 Locked rotor torque : 320 %
 Breakdown torque : 370 %
 Rated speed : 3450 rpm

Moment of inertia (J) : 0.0006 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	16/05/2022			

1 2 3 4 5 6

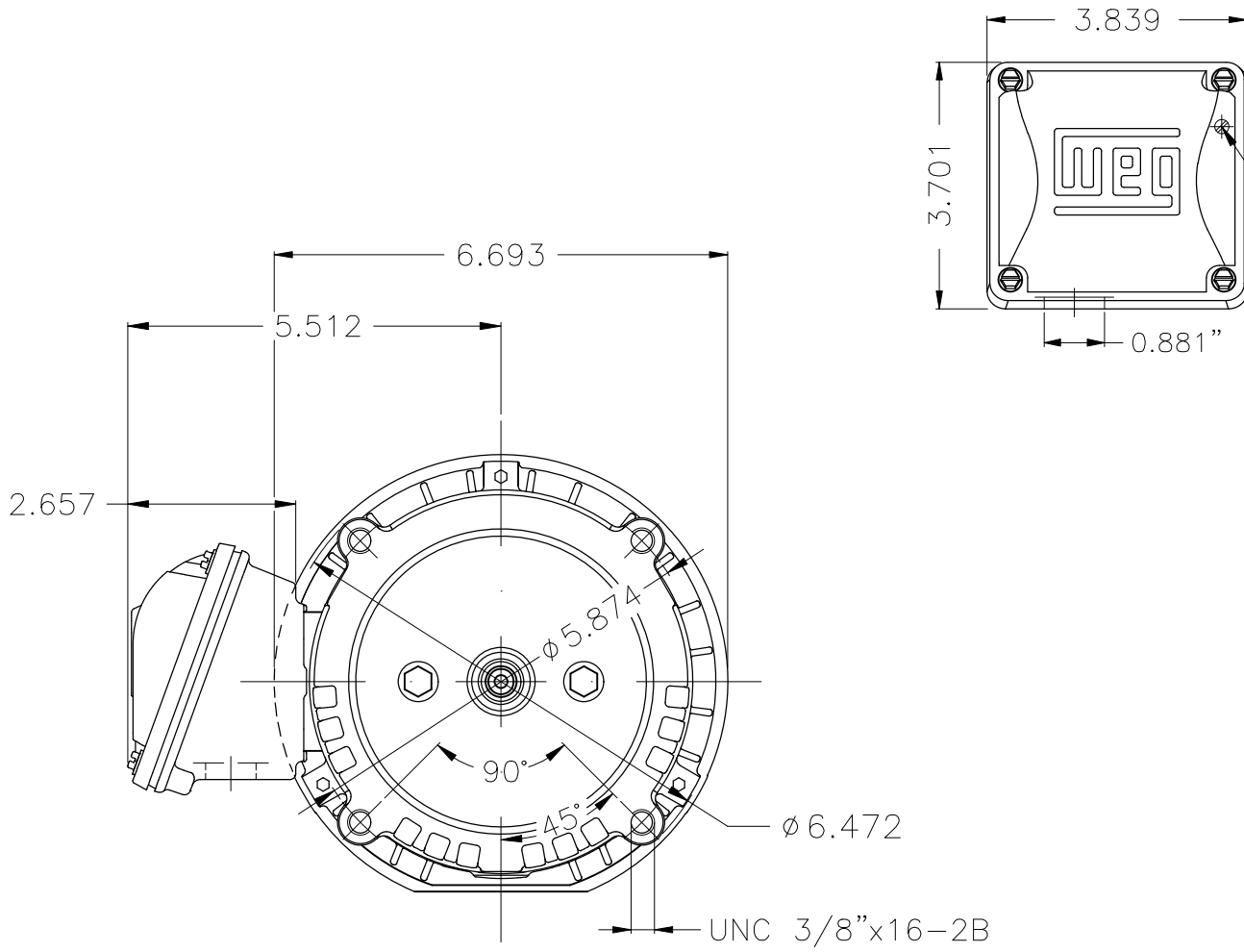
A

B

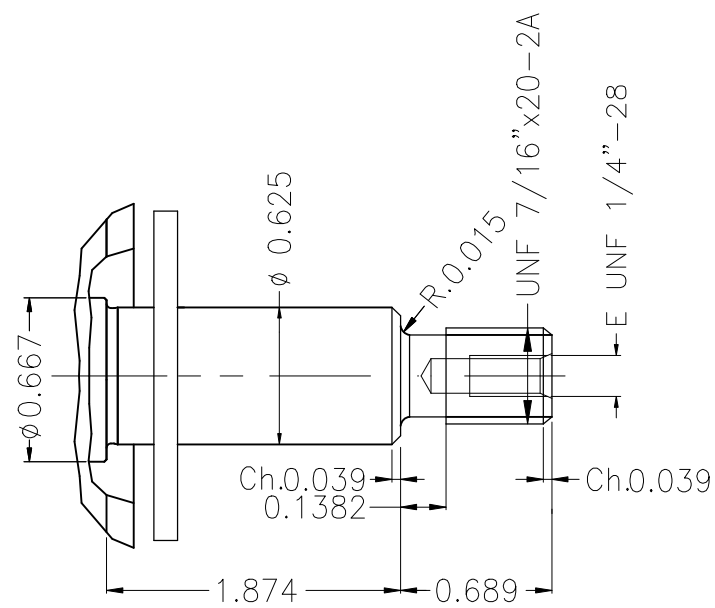
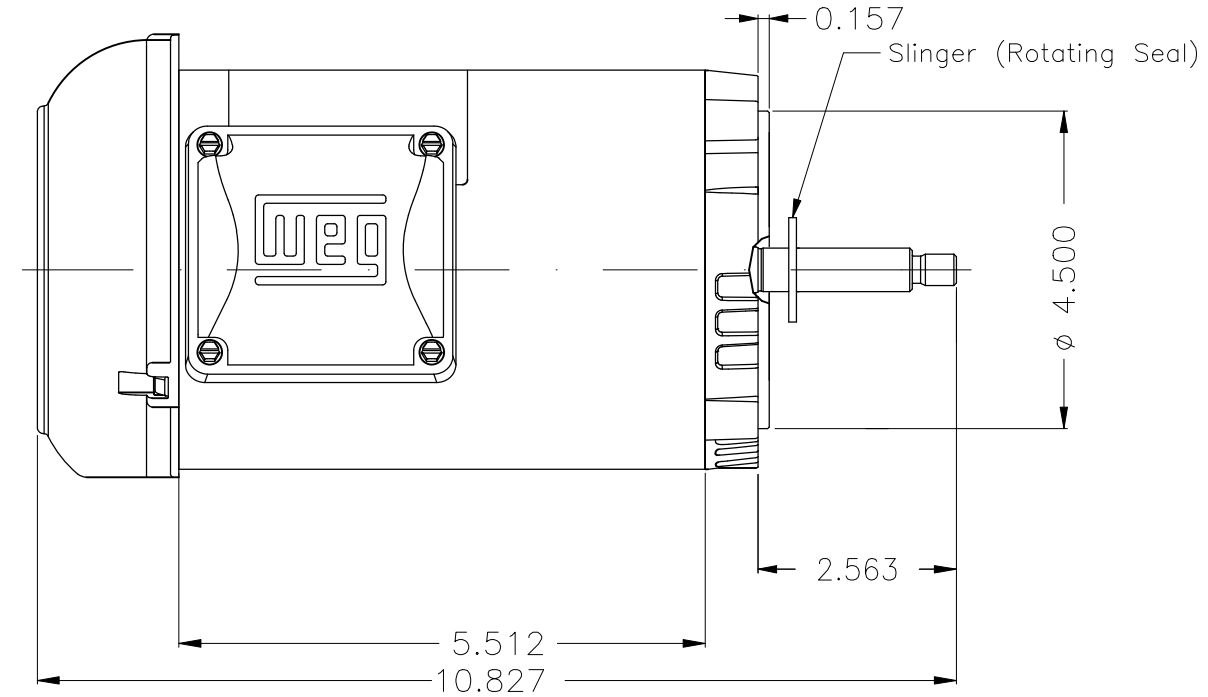
C

D

E



Grounding



NDE sealing - V ring
 Color Munsell N 1 matte black
 Painting plan 207N
 Mounting W-6/V18R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED PREL. SET					00
CHECKED		FRAME W56J IP55 TEFC					
RELEASED							
REL. DATE	WMO	Jaragua do Sul	Product Engineering	WDD	00		1 / 1

0.33 HP 02 Poles 60 Hz

A



Dimensions in inches XME A3