

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :	
Product line	: Jet Pump - J type Three-Phase
Product code :	13721666
Frame	: W56J
Insulation class	: F
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Protection degree	: IP55
Cooling method	: IC411 - TEFC
Mounting	: W-6
Rotation ¹	: CCW
Starting method	: Direct On Line
Approx. weight ²	: 6.8 kg
Moment of inertia (J)	: 0.0006 kgm ²
Output [HP]	0.33
Poles	2
Frequency [Hz]	60
Rated voltage [V]	208-230/460
Rated current [A]	1.30-1.15/0.573
L. R. Amperes [A]	9.27-8.14/4.07
LRC [A]	7.1x(Code L)
No load current [A]	0.610-0.708/0.354
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%
	75%
	100%
Power Factor	25%
	50%
	75%
	100%
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS
Sealing	: V'Ring V'Ring
Lubrication interval	: - -
Lubricant amount	: - -
Lubricant type	: Mobil Polyrex EM
Foundation loads	Max. traction : 5 kgf Max. compression : 11 kgf
Notes USABLE @208V SF 1.00	
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 by	Performed
Checked by	Checked
Date	Date
16/05/2022	
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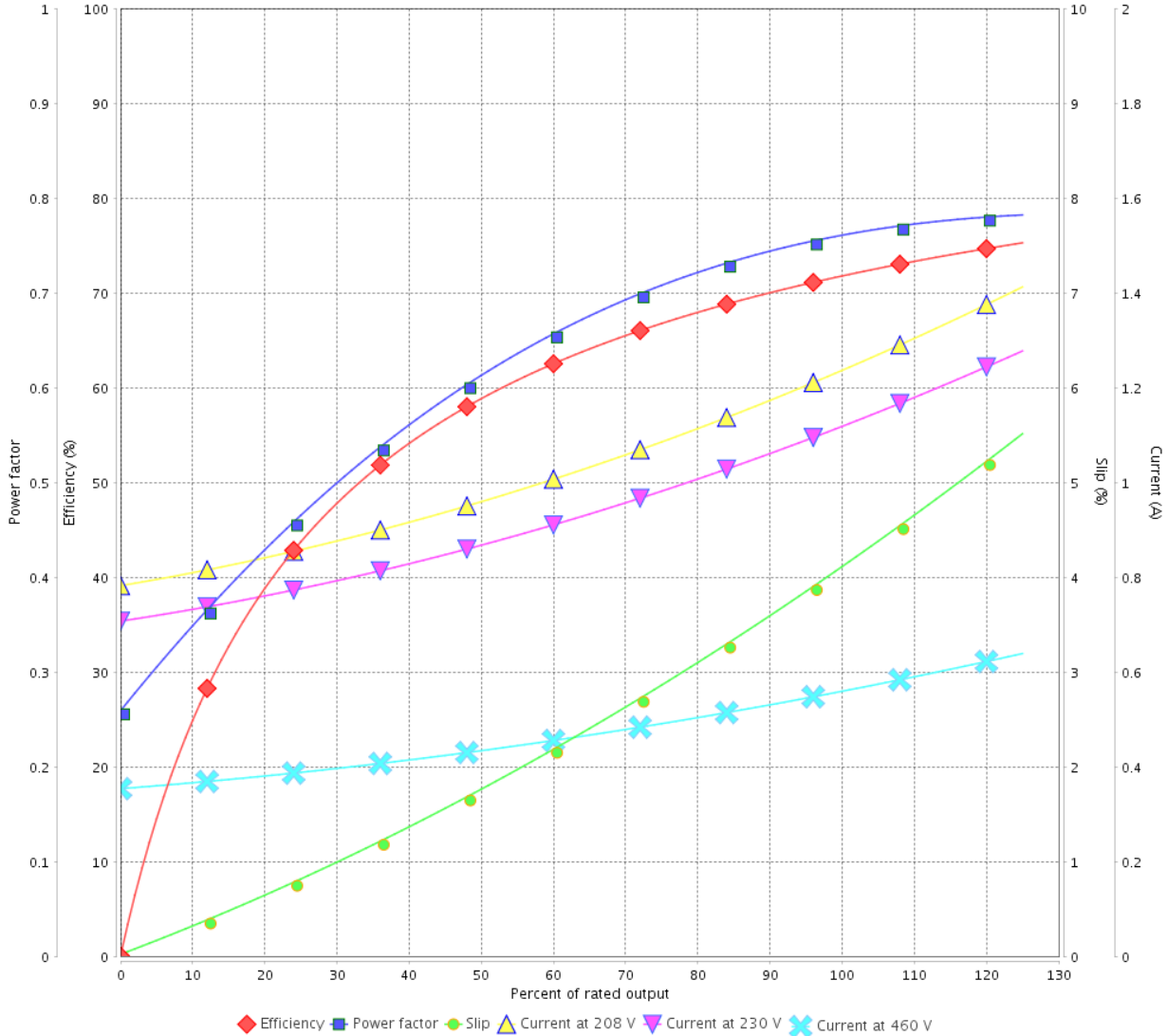
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Three-Phase Product code : 13721666

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Performance : 208-230/460 V 60 Hz 2P

Rated current : 1.30-1.15/0.573 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 :
 Temperature rise : 80 K

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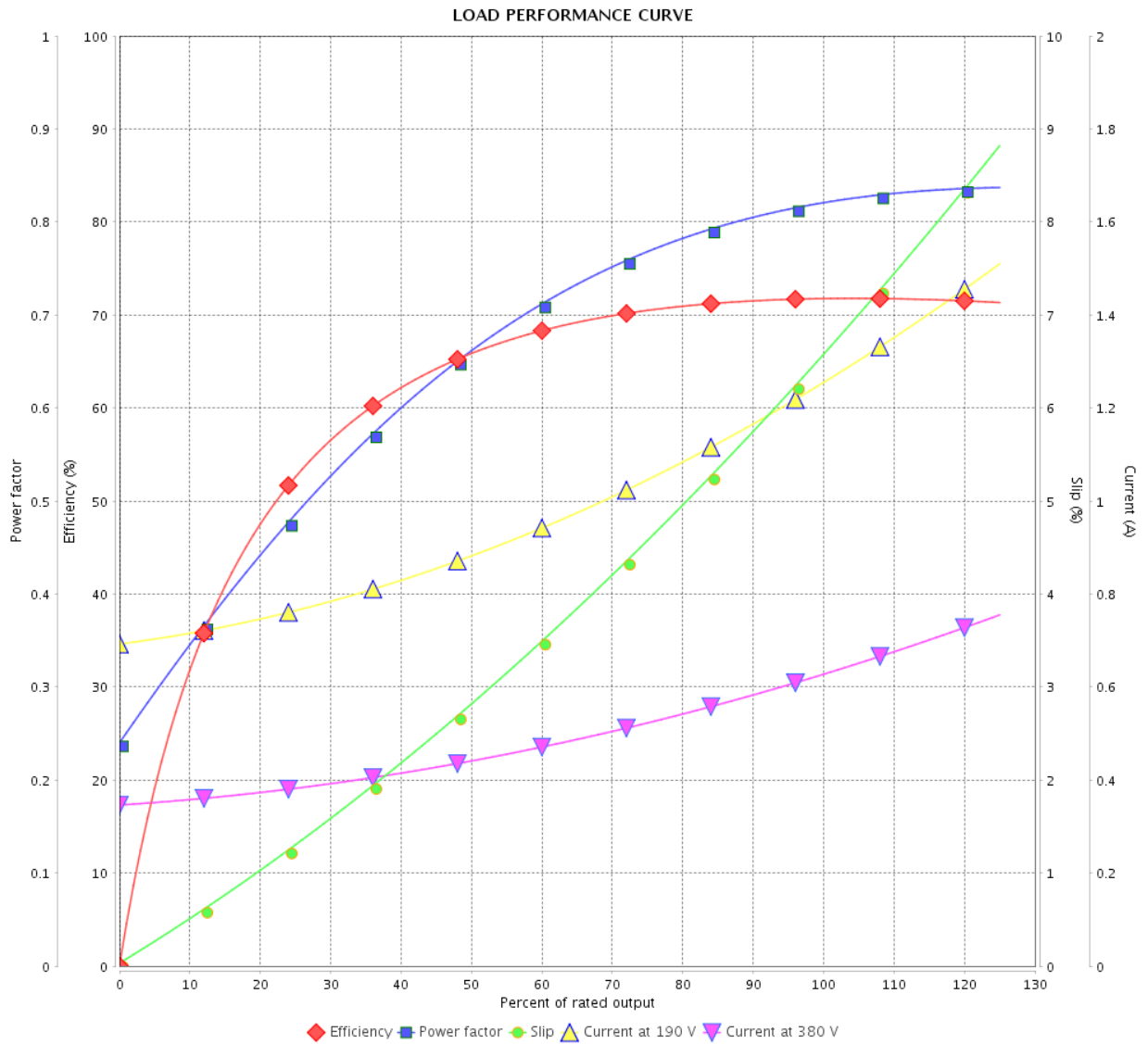
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Jet Pump - J type Three-Phase Product code : 13721666



Performance : 190/380 V 50 Hz 2P

Rated current : 1.29/0.646 A
 LRC : 5.6
 Rated torque : 0.086 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 260 %
 Rated speed : 2800 rpm

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

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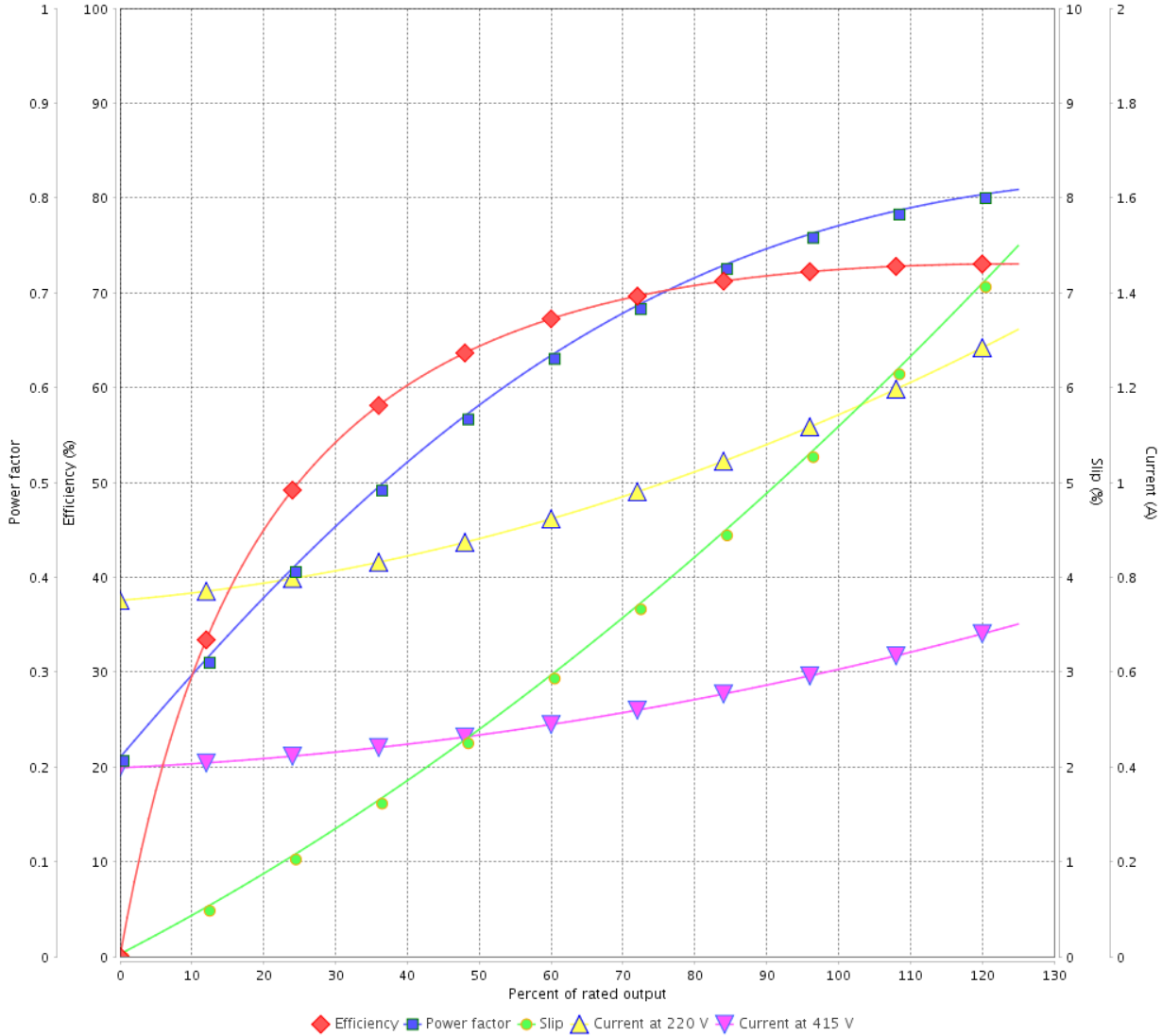
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Three-Phase Product code : 13721666

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Performance : 220/415 V 50 Hz 2P

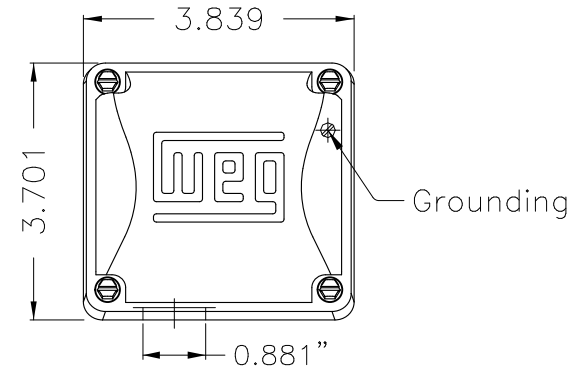
Rated current : 1.18/0.624 A
 LRC : 6.3
 Rated torque : 0.085 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 310 %
 Rated speed : 2830 rpm

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

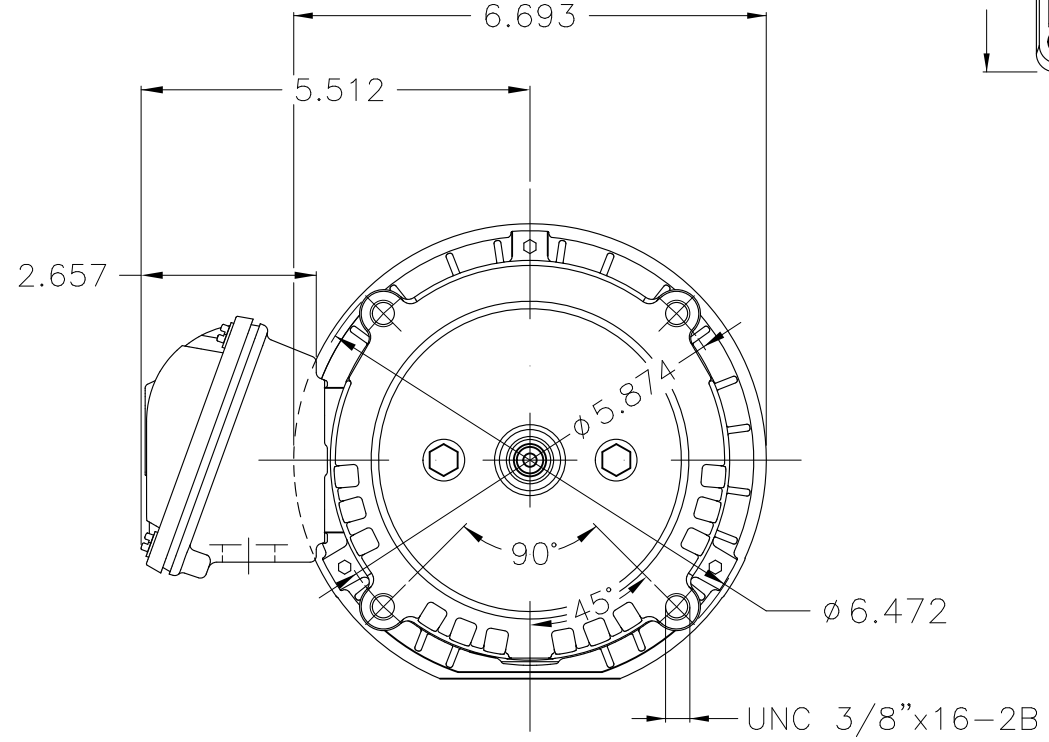
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Date	16/05/2022			

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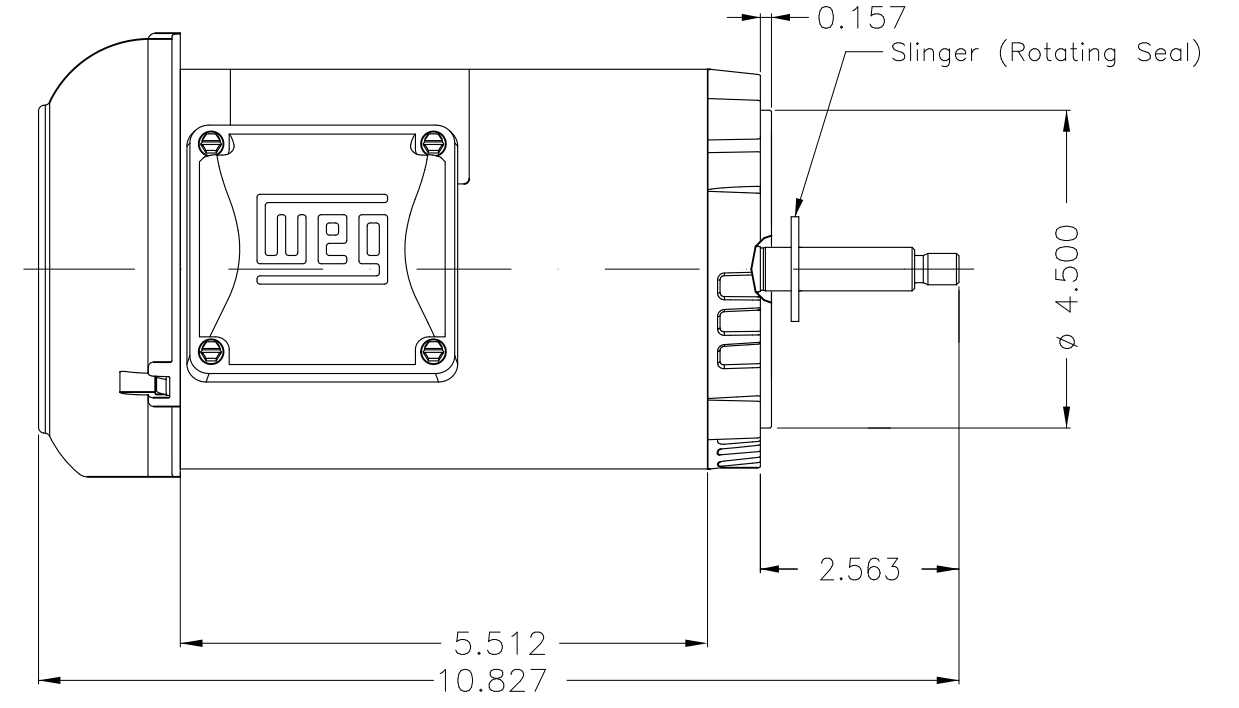
A



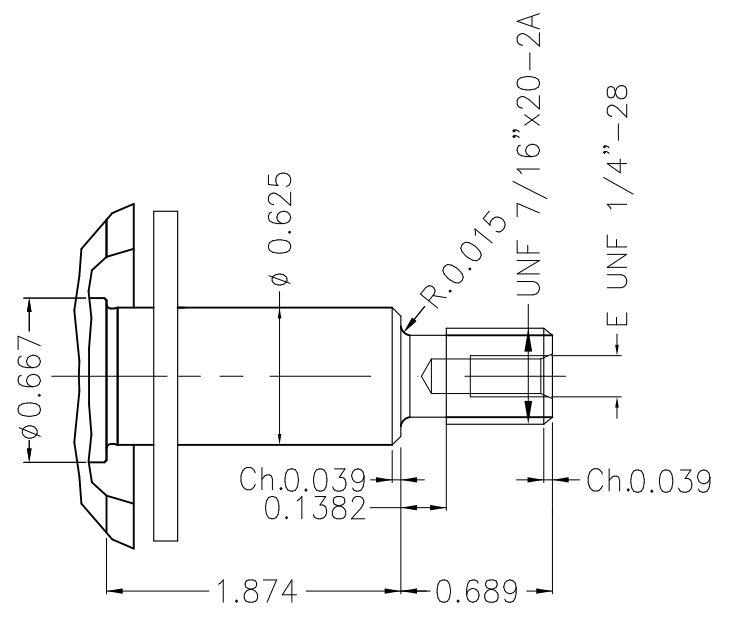
B



C



D



E

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

						HYBRISUSER				00	
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER	

EXECUTED	HYBRISUSER		THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED PUMP	PREVIEW WDD 00	
CHECKED			FRAME W56J IP55 TEFC		
RELEASED					
REL. DATE	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1

0.33 HP 02 Poles 60 Hz

A