

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: Jet Pump - C type Three-Phase	Product code :	14937733
Frame	: W56C	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1
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 ²	: 8.8 kg
		Moment of inertia (J)	: 0.0010 kgm ²
Output [HP]	1	1	1
Poles	2	2	2
Frequency [Hz]	60	50	50
Rated voltage [V]	230/460	190/380	220/415
Rated current [A]	3.26/1.63	3.60/1.80	3.40/1.80
L. R. Amperes [A]	27.1/13.5	25.2/12.6	24.8/13.1
LRC [A]	8.3x(Code M)	7.0x(Code K)	7.3x(Code L)
No load current [A]	2.00/1.00	2.00/1.00	2.26/1.20
Rated speed [RPM]	3450	2820	2840
Slip [%]	4.17	6.00	5.33
Rated torque [kgfm]	0.210	0.257	0.256
Locked rotor torque [%]	400	340	380
Breakdown torque [%]	409	320	360
Service factor		1.40	1.40
Temperature rise	80 K	80 K	80 K
Locked rotor time	23s (cold) 13s (hot)	23s (cold) 13s (hot)	19s (cold) 11s (hot)
Noise level ²	62.0 dB(A)	60.0 dB(A)	60.0 dB(A)
Efficiency (%)	25%		
	50%	70.0	71.0
	75%	75.5	75.0
	100%	77.0	77.0
Power Factor	25%		
	50%	0.55	0.54
	75%	0.68	0.68
	100%	0.75	0.78
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads	
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction	: 25 kgf
		Max. compression	: 34 kgf
Lubrication interval	: -		
Lubricant amount	: -		
Lubricant type	: Mobil Polyrex EM		
Notes			
USABLE @208V 3.60A SF 1.00 SFA 3.60A			
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
Performed by			
Checked by			
Date	17/05/2022		
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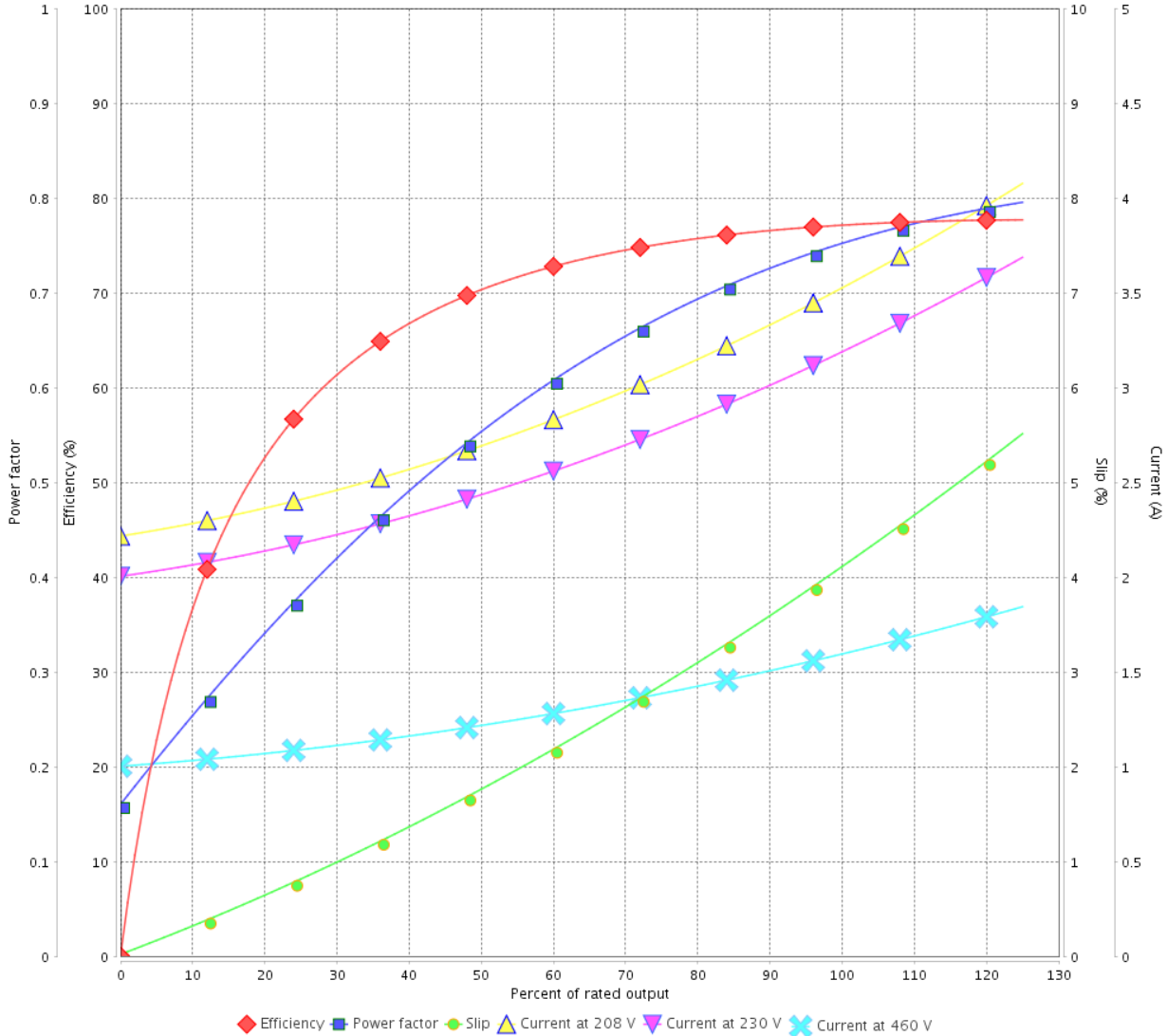
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase Product code : 14937733

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Performance : 230/460 V 60 Hz 2P

Rated current : 3.26/1.63 A
 LRC : 8.3
 Rated torque : 0.210 kgfm
 Locked rotor torque : 400 %
 Breakdown torque : 409 %
 Rated speed : 3450 rpm

Moment of inertia (J) : 0.0010 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

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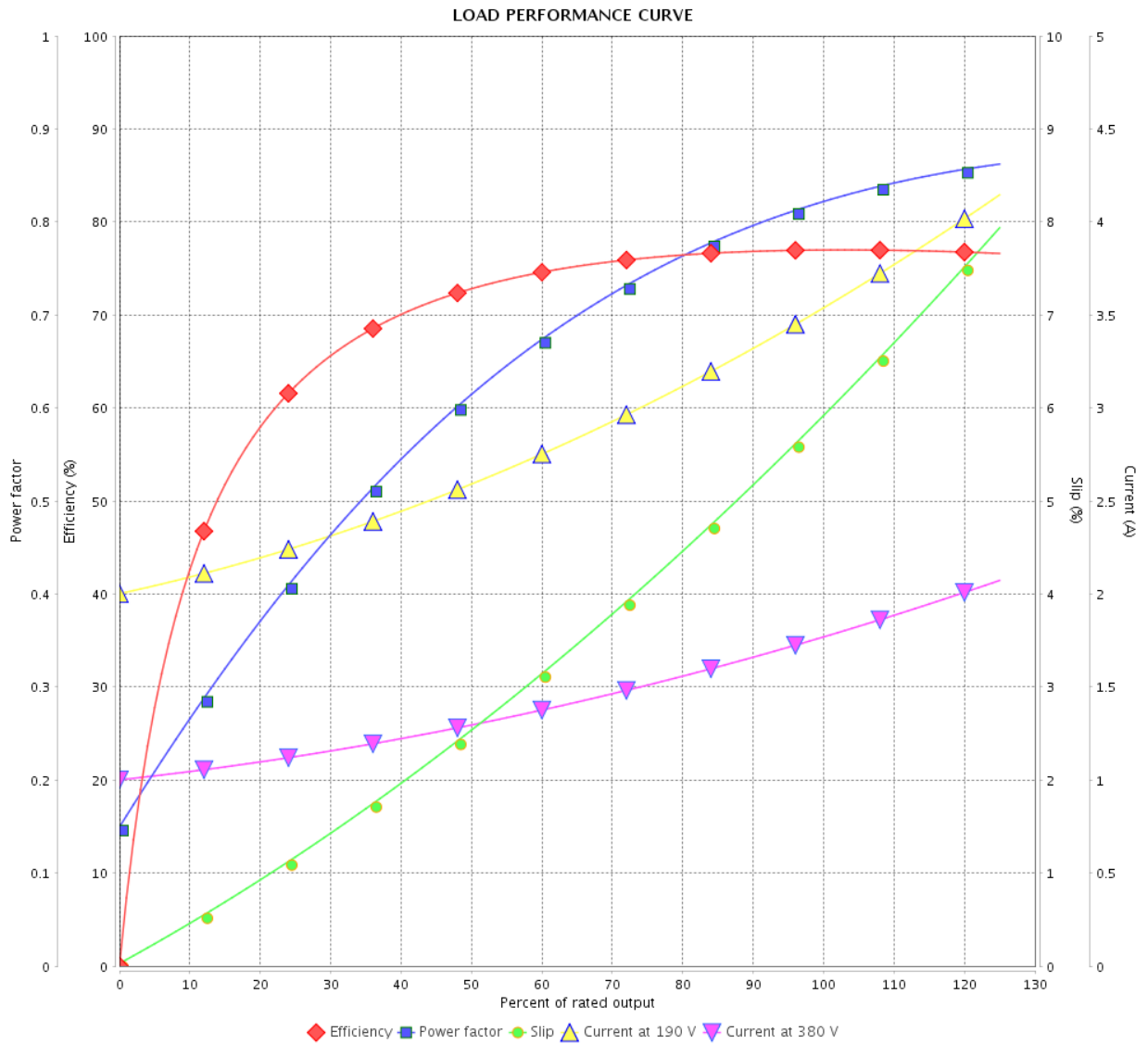
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Jet Pump - C type Three-Phase Product code : 14937733



Performance : 190/380 V 50 Hz 2P

Rated current : 3.60/1.80 A
 LRC : 7.0
 Rated torque : 0.257 kgfm
 Locked rotor torque : 340 %
 Breakdown torque : 320 %
 Rated speed : 2820 rpm

Moment of inertia (J) : 0.0010 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.40
 Temperature rise : 80 K

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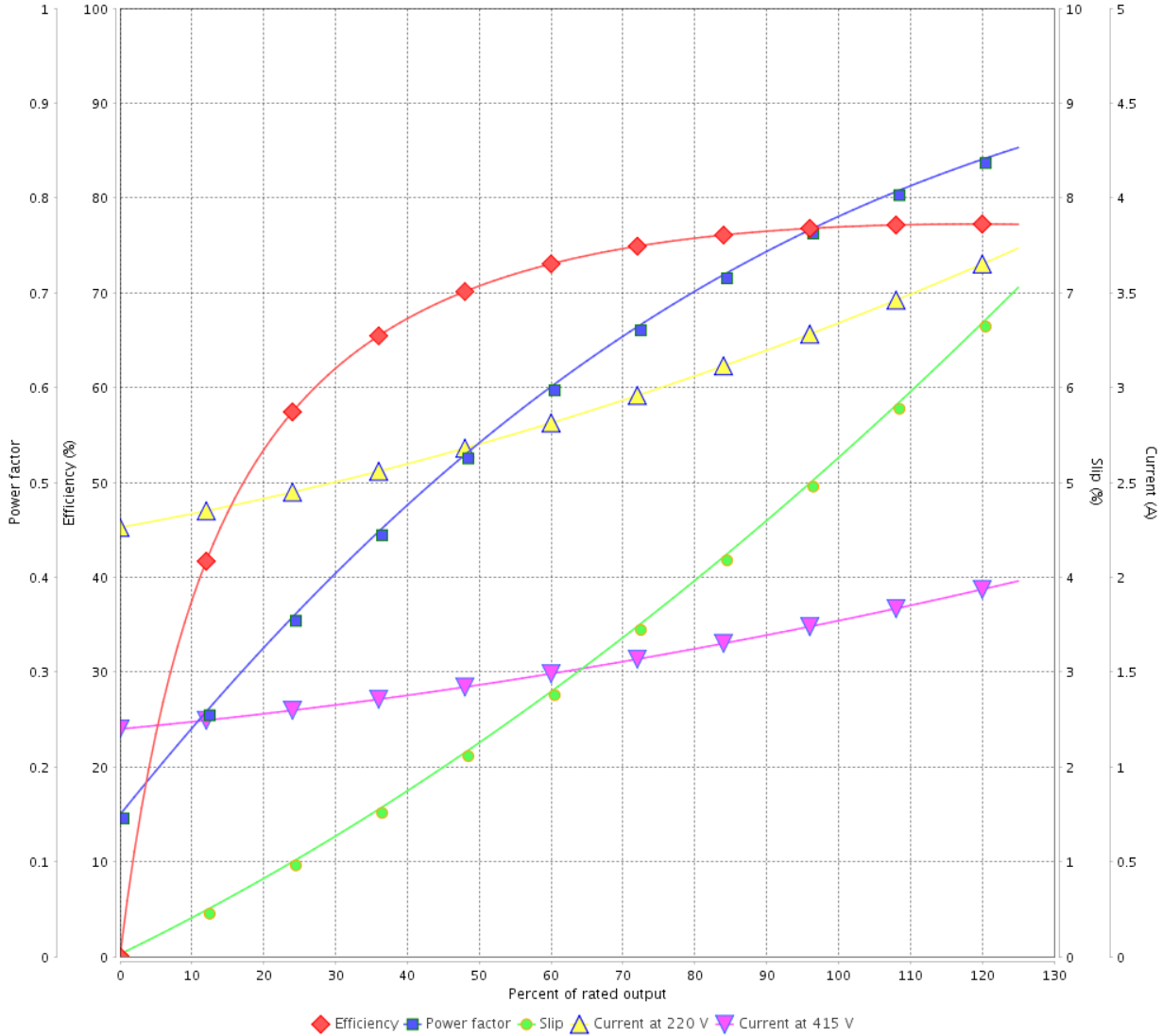
Three Phase Induction Motor - Squirrel Cage



Customer :

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Performance : 220/415 V 50 Hz 2P

Rated current : 3.40/1.80 A
 LRC : 7.3
 Rated torque : 0.256 kgfm
 Locked rotor torque : 380 %
 Breakdown torque : 360 %
 Rated speed : 2840 rpm

Moment of inertia (J) : 0.0010 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.40
 Temperature rise : 80 K

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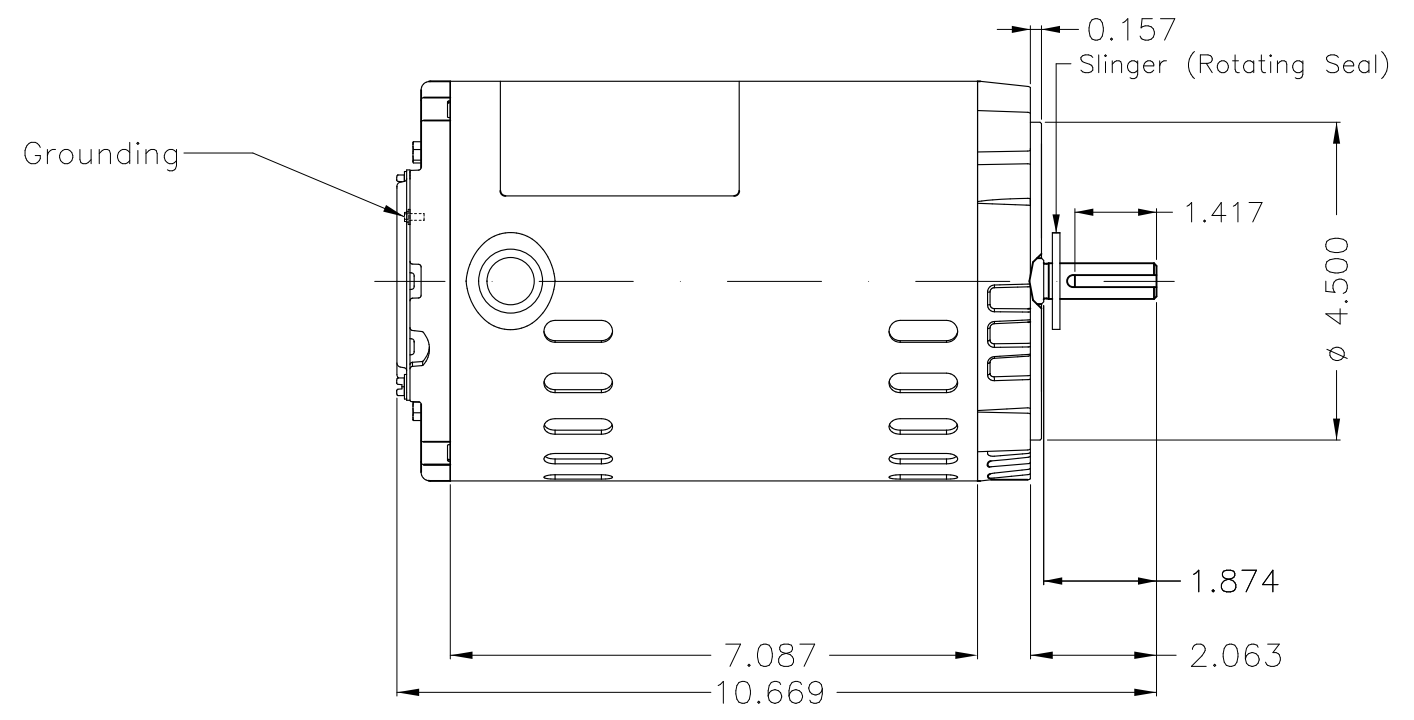
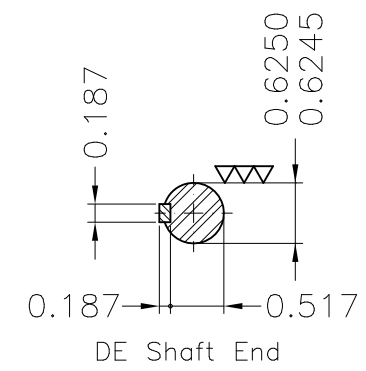
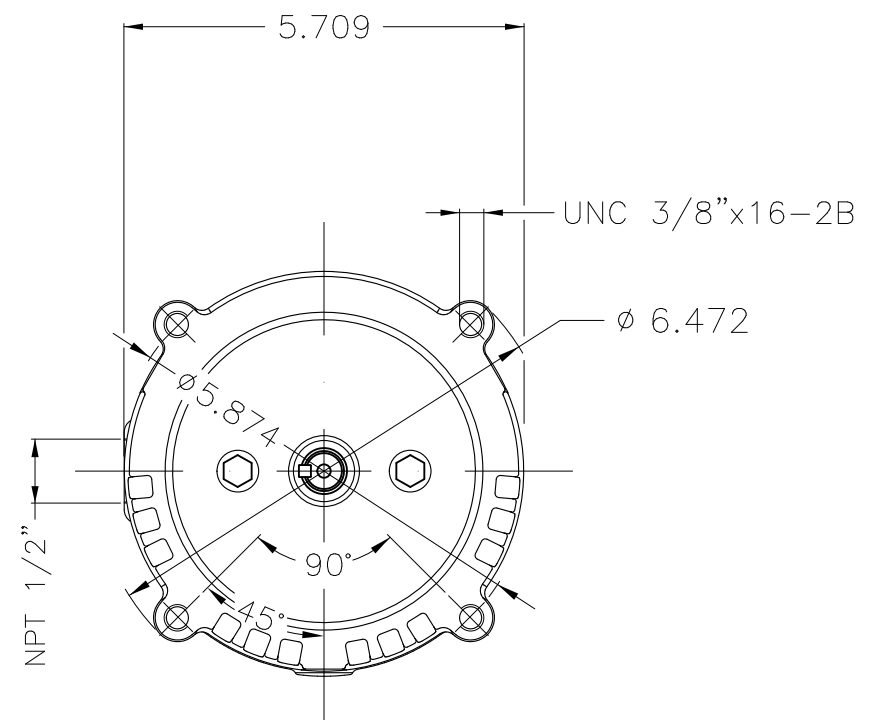
A

B

C

D

E



Color Munsell N 1 matte black
 Painting plan 207N
 Mounting F-1/B14R(D)

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

EXECUTED	HYBRISUSER		THREE PH. MOTOR ROLLED STEEL JET PUMP KEYED PREM 555	PREVIEW WDD 00 SHEET 1 / 1	
CHECKED			FRAME W56C IP21 ODP		
RELEASED					
REL. DATE		WMO	Jaragua do Sul	Product Engineering	

1 HP 02 Poles 60 Hz