

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Jet Pump - J type Premium Efficiency Three-Phase	Product code :	13997360	
Frame	: W56J	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	190-220/380	415	
Rated current [A]	3.26/1.63	3.60-3.11/1.80	1.88	
L. R. Amperes [A]	27.1/13.5	25.2-21.8/12.6	13.9	
LRC [A]	8.3x(Code M)	7.0x(Code K)	7.4x(Code L)	
No load current [A]	2.00/1.00	2.00-1.73/1.00	1.40	
Rated speed [RPM]	3450	2820	2850	
Slip [%]	4.17	6.00	5.00	
Rated torque [kgfm]	0.210	0.257	0.255	
Locked rotor torque [%]	400	340	409	
Breakdown torque [%]	409	320	390	
Service factor		1.15	1.15	
Temperature rise	80 K	80 K	80 K	
Locked rotor time	23s (cold) 13s (hot)	23s (cold) 13s (hot)	18s (cold) 10s (hot)	
Noise level ²	62.0 dB(A)	60.0 dB(A)	60.0 dB(A)	
Efficiency (%)	25%			
	50%	70.0	68.0	
	75%	75.5	74.0	
	100%	77.0	76.0	
Power Factor	25%			
	50%	0.55	0.49	
	75%	0.68	0.63	
	100%	0.75	0.73	
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	: 27 kgf	
		Max. compression	: 36 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	Date
Performed by				
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Three Phase Induction Motor - Squirrel Cage

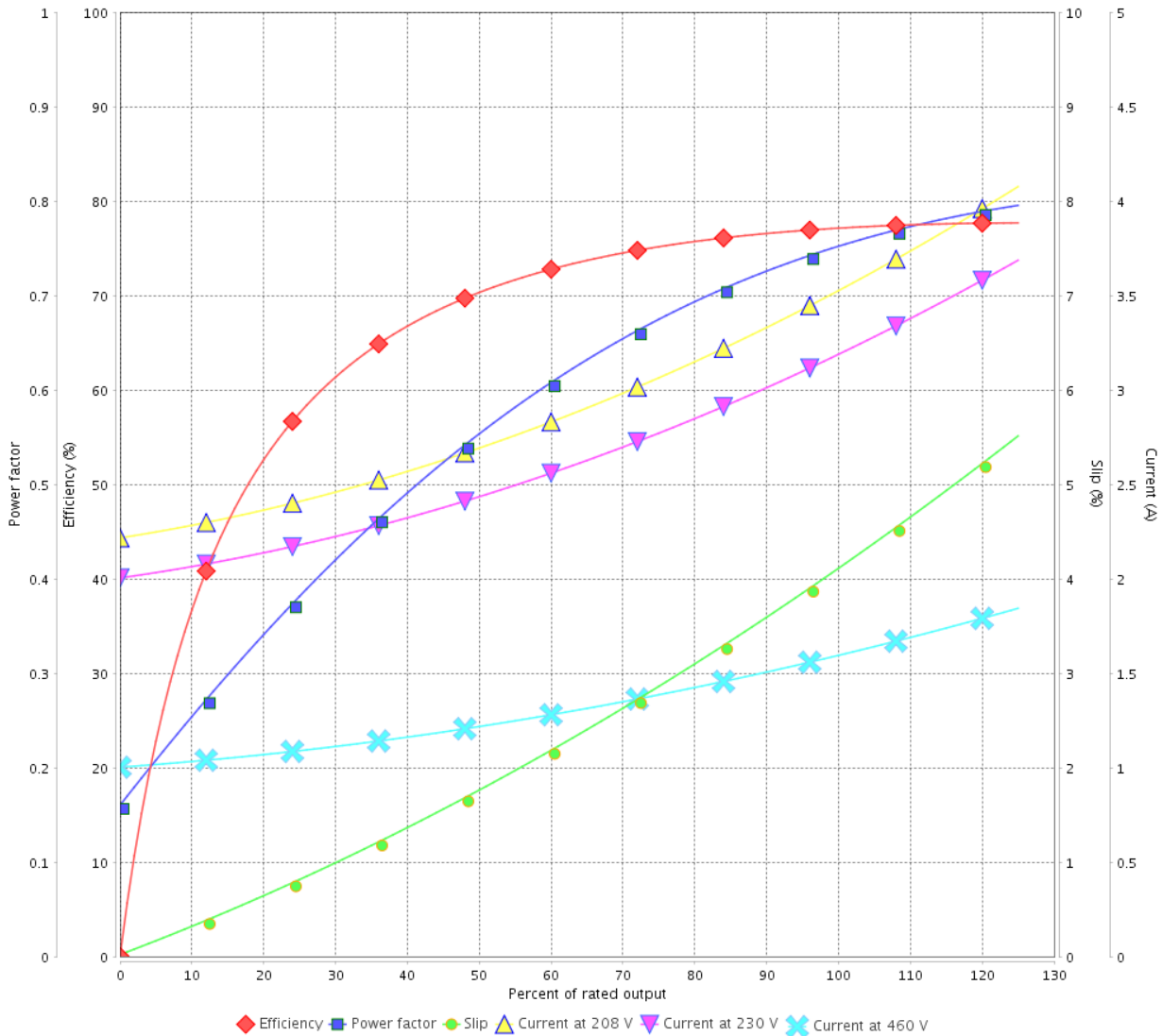


Customer :

Product line : Jet Pump - J type Premium
Efficiency Three-Phase

Product code : 13997360

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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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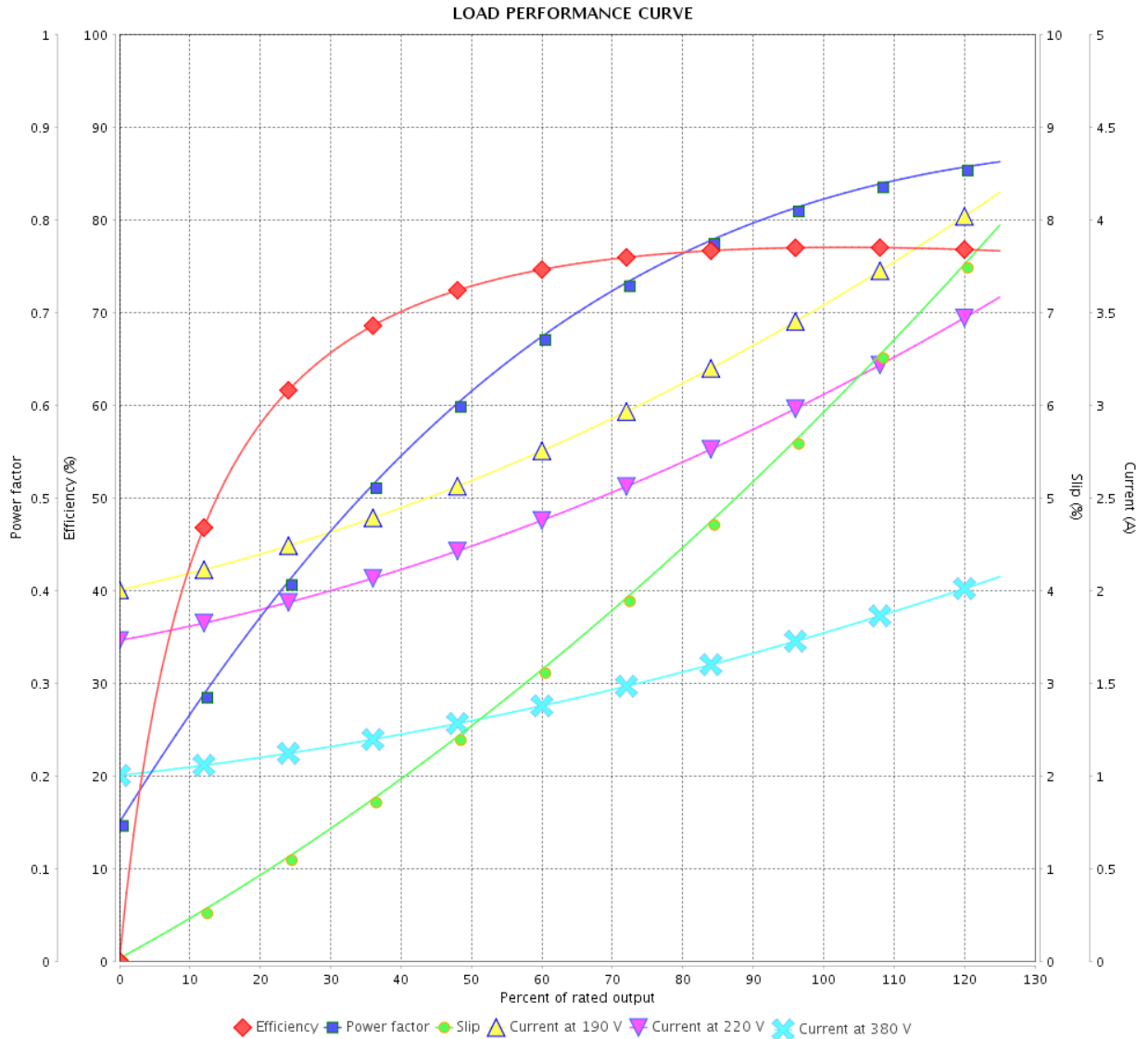
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Jet Pump - J type Premium
Efficiency Three-Phase

Product code : 13997360



Performance : 190-220/380 V 50 Hz 2P

Rated current : 3.60-3.11/1.80 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 : 1.15
 Temperature rise : 80 K

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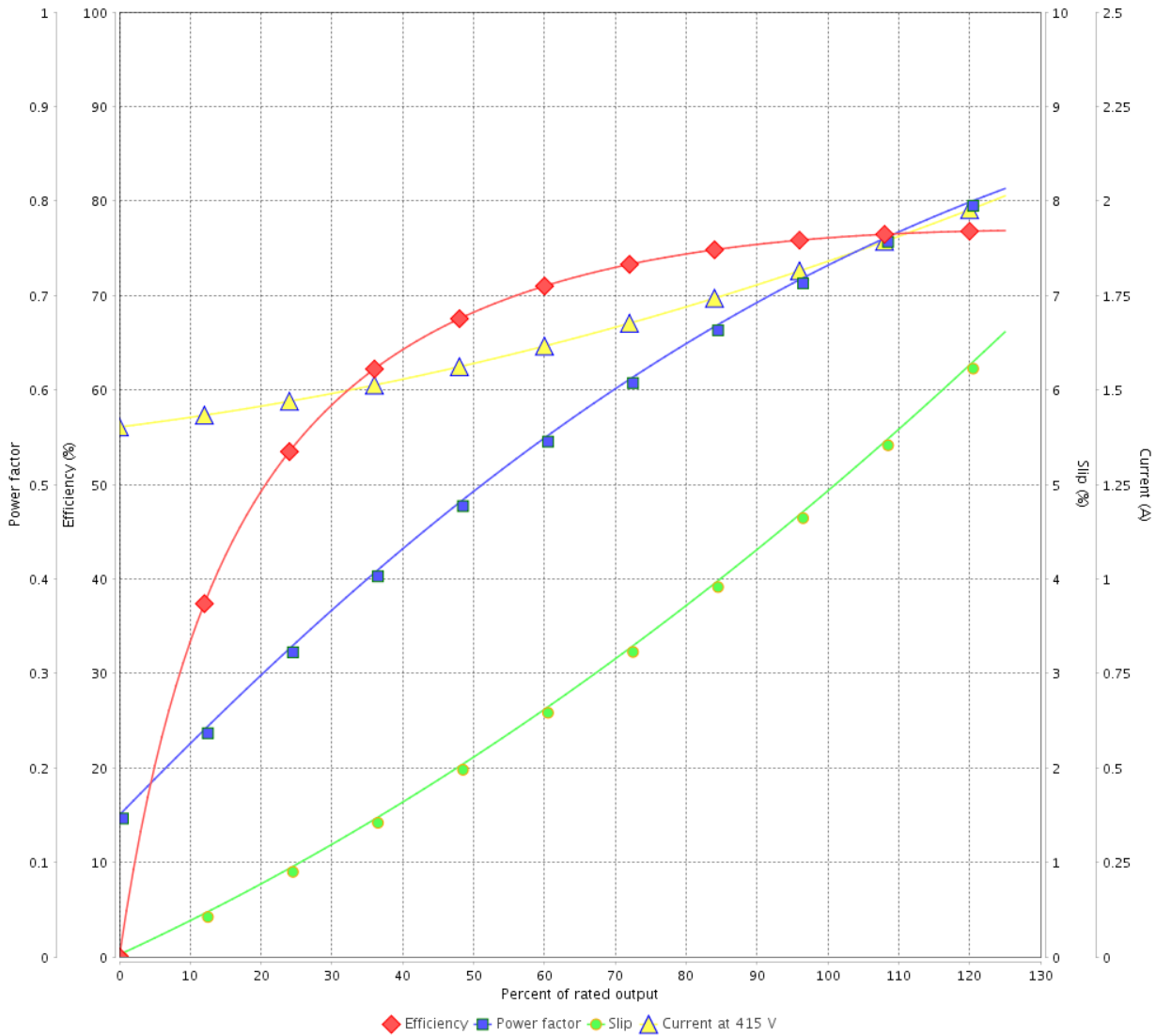


Customer :

Product line : Jet Pump - J type Premium
Efficiency Three-Phase

Product code : 13997360

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Performance : 415 V 50 Hz 2P

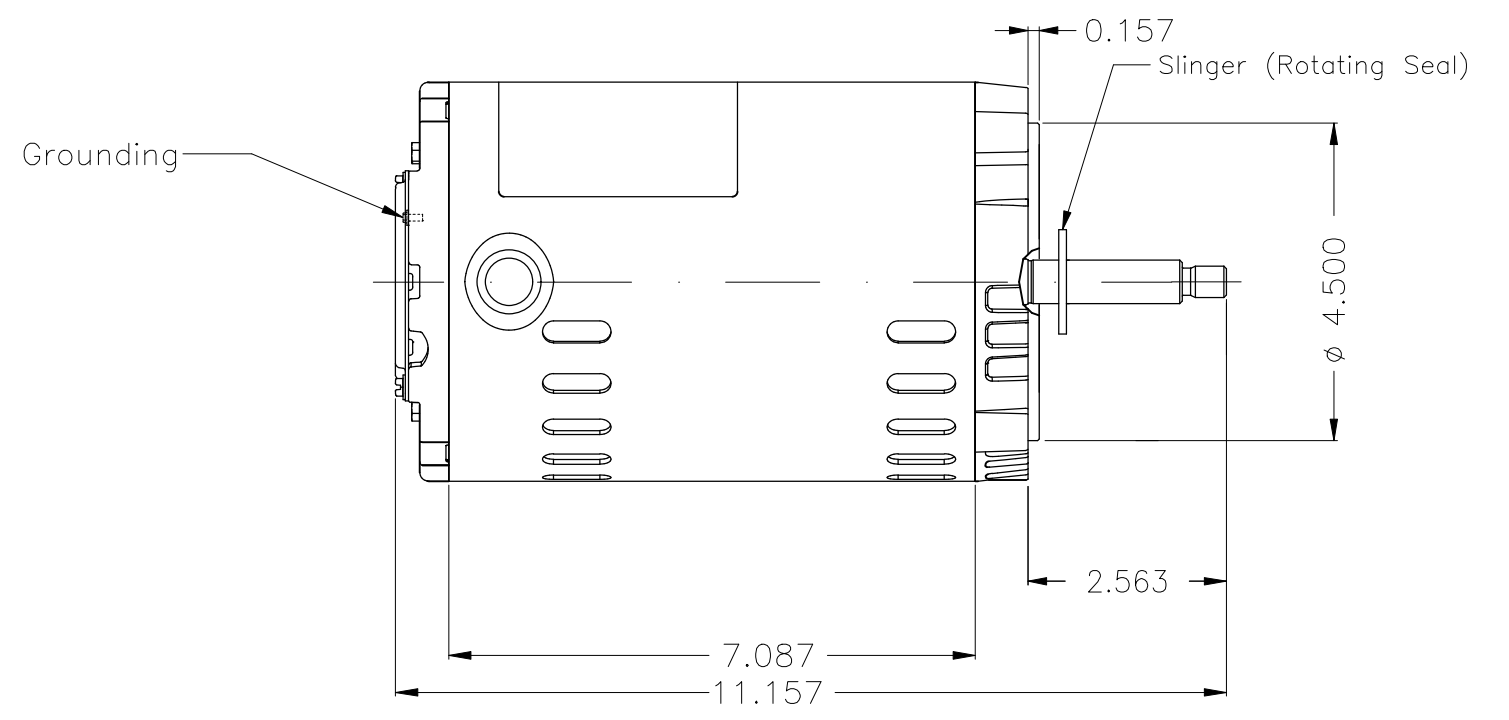
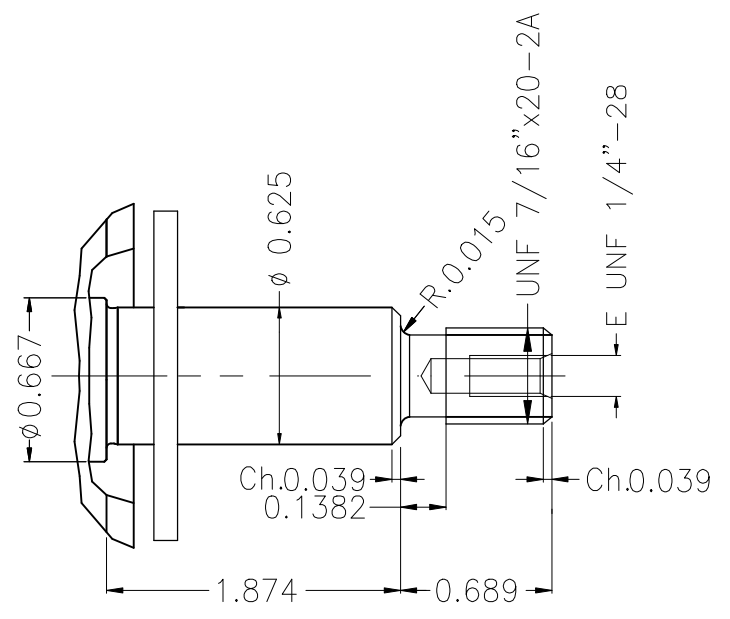
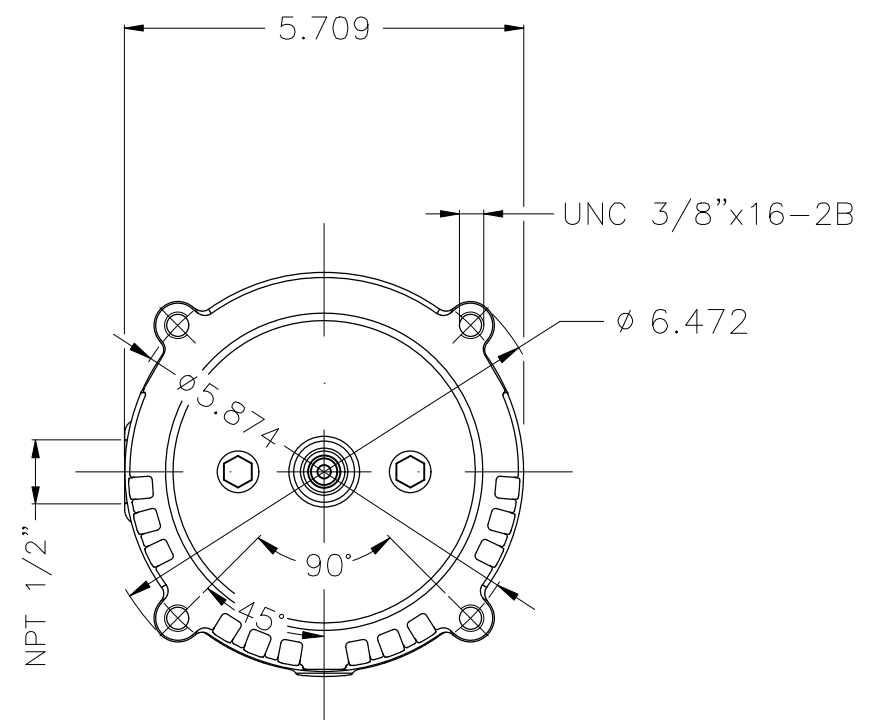
Rated current : 1.88 A
LRC : 7.4
Rated torque : 0.255 kgfm
Locked rotor torque : 409 %
Breakdown torque : 390 %
Rated speed : 2850 rpm

Moment of inertia (J) : 0.0010 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K

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/B14R(D)

					HYBRISUSER						00	
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER		
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED PREL. SET				PREVIEW		WDD 00		WEG		
CHECKED		FRAME W56J IP21 ODP										
RELEASED												
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET		1 / 1					

1 HP 02 Poles 60 Hz

A

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Dimensions in inches XME A3