

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: Jet Pump - C type Three-Phase	Product code :	13722360	
Frame	: 56C	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	: 17.7 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0054 kgm ²		
Design	: B				
Output [HP]	2	2	2		
Poles	2	2	2		
Frequency [Hz]	60	50	50		
Rated voltage [V]	230/460	190/380	220/415		
Rated current [A]	4.94/2.47	5.94/2.97	5.23/2.77		
L. R. Amperes [A]	48.9/24.5	44.0/22.0	46.0/24.4		
LRC [A]	9.9x(Code L)	7.4x(Code J)	8.8x(Code K)		
No load current [A]	2.13/1.06	2.10/1.05	2.27/1.20		
Rated speed [RPM]	3520	2875	2900		
Slip [%]	2.22	4.17	3.33		
Rated torque [kgfm]	0.412	0.505	0.501		
Locked rotor torque [%]	250	229	280		
Breakdown torque [%]	300	280	340		
Service factor		1.15	1.15		
Temperature rise	80 K	80 K	80 K		
Locked rotor time	23s (cold) 13s (hot)	21s (cold) 12s (hot)	18s (cold) 10s (hot)		
Noise level ²	68.0 dB(A)	65.0 dB(A)	65.0 dB(A)		
Efficiency (%)	25%				
	50%	82.5	84.0	83.3	
	75%	85.5	84.6	84.9	
	100%	85.5	83.3	84.5	
Power Factor	25%				
	50%	0.73	0.79	0.73	
	75%	0.83	0.88	0.84	
	100%	0.89	0.92	0.89	
Bearing type	: Drive end 6203 2RS Non drive end 6202 2RS	Foundation loads			
Sealing	: V'Ring V'Ring	Max. traction	: 46 kgf		
Lubrication interval	: - -	Max. compression	: 63 kgf		
Lubricant amount	: - -				
Lubricant type	: Mobil Polyrex EM				
Notes USABLE @208V 5.46A SF 1.00 SFA 5.46A					
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
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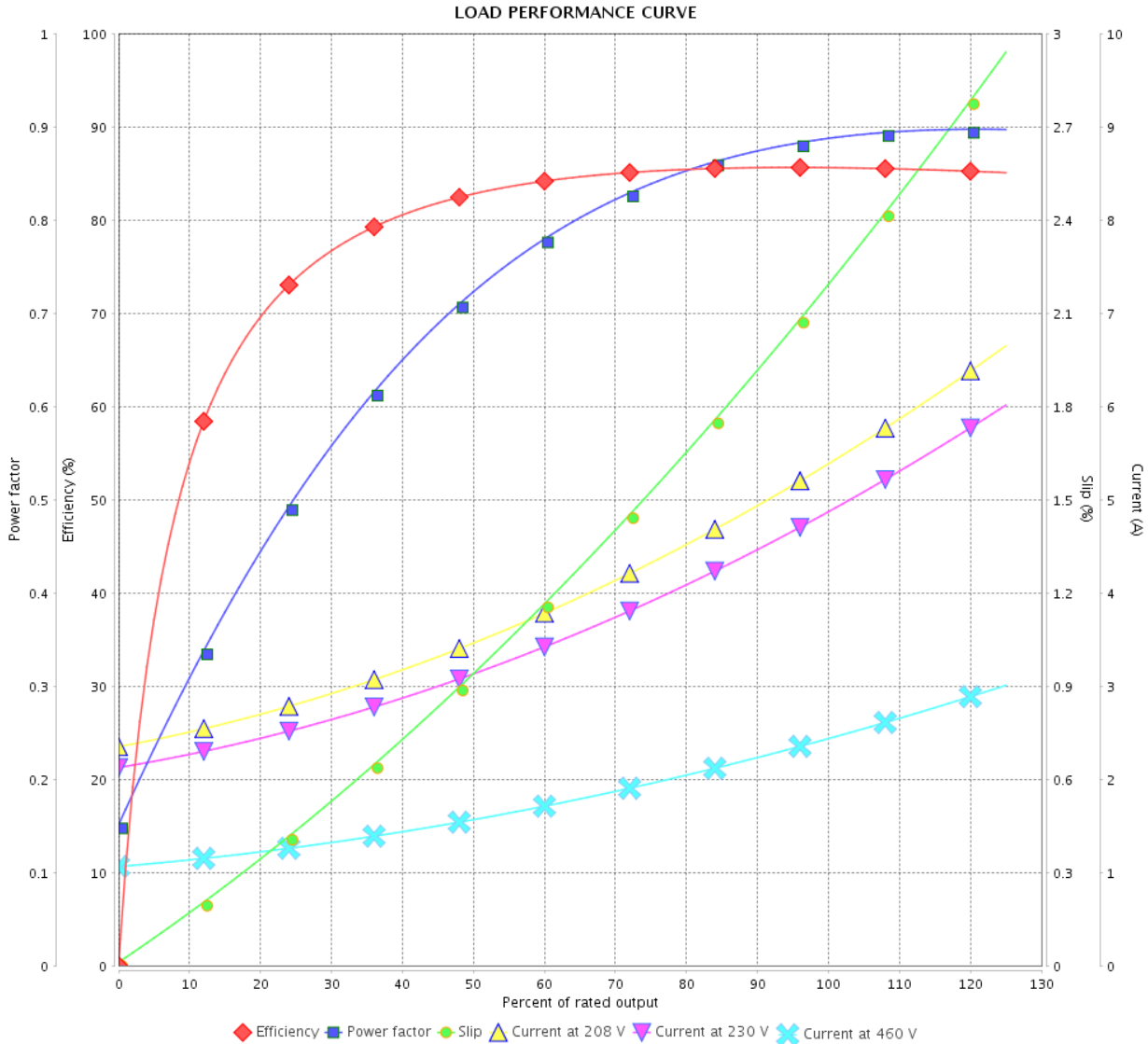
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase Product code : 13722360



Performance : 230/460 V 60 Hz 2P

Rated current : 4.94/2.47 A
 LRC : 9.9
 Rated torque : 0.412 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 300 %
 Rated speed : 3520 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : B

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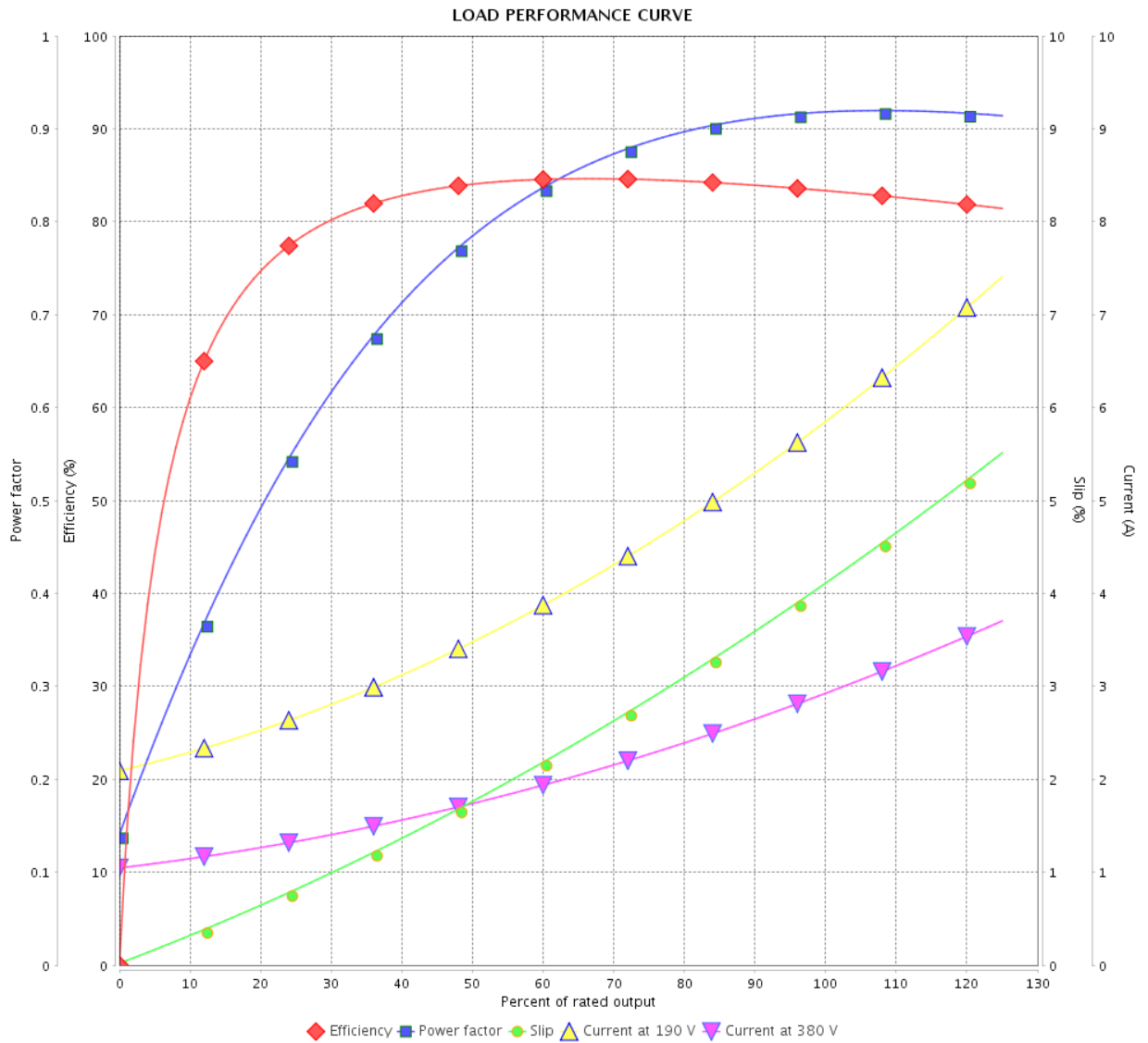
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Jet Pump - C type Three-Phase Product code : 13722360



Performance : 190/380 V 50 Hz 2P

Rated current : 5.94/2.97 A
 LRC : 7.4
 Rated torque : 0.505 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 280 %
 Rated speed : 2875 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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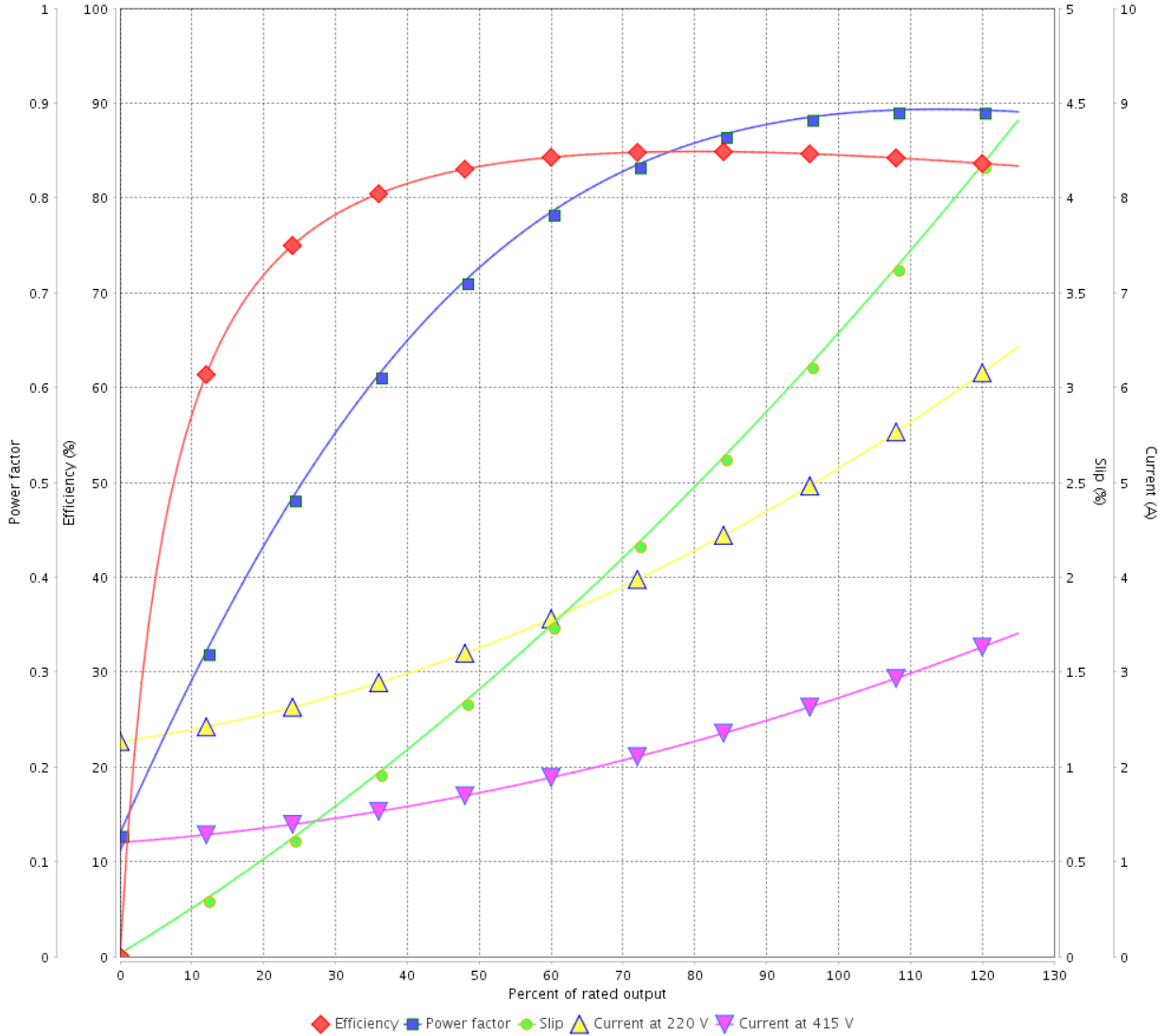
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase Product code : 13722360

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Performance : 220/415 V 50 Hz 2P

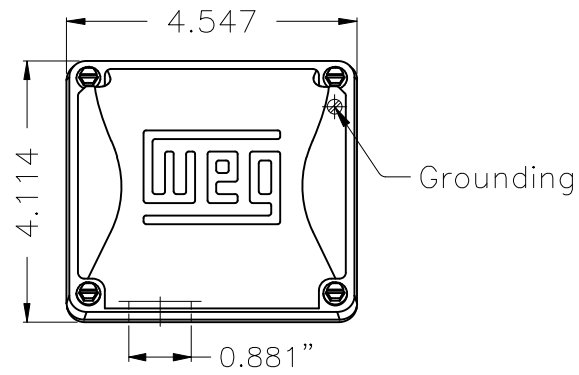
Rated current : 5.23/2.77 A
 LRC : 8.8
 Rated torque : 0.501 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 340 %
 Rated speed : 2900 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

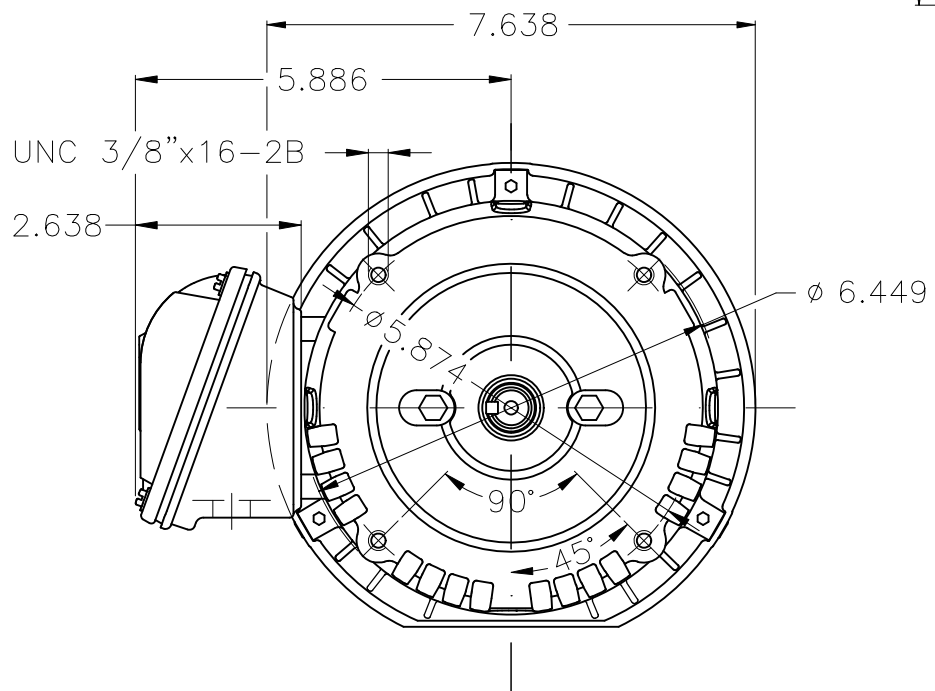
Rev.	Changes Summary	Performed	Checked	Date
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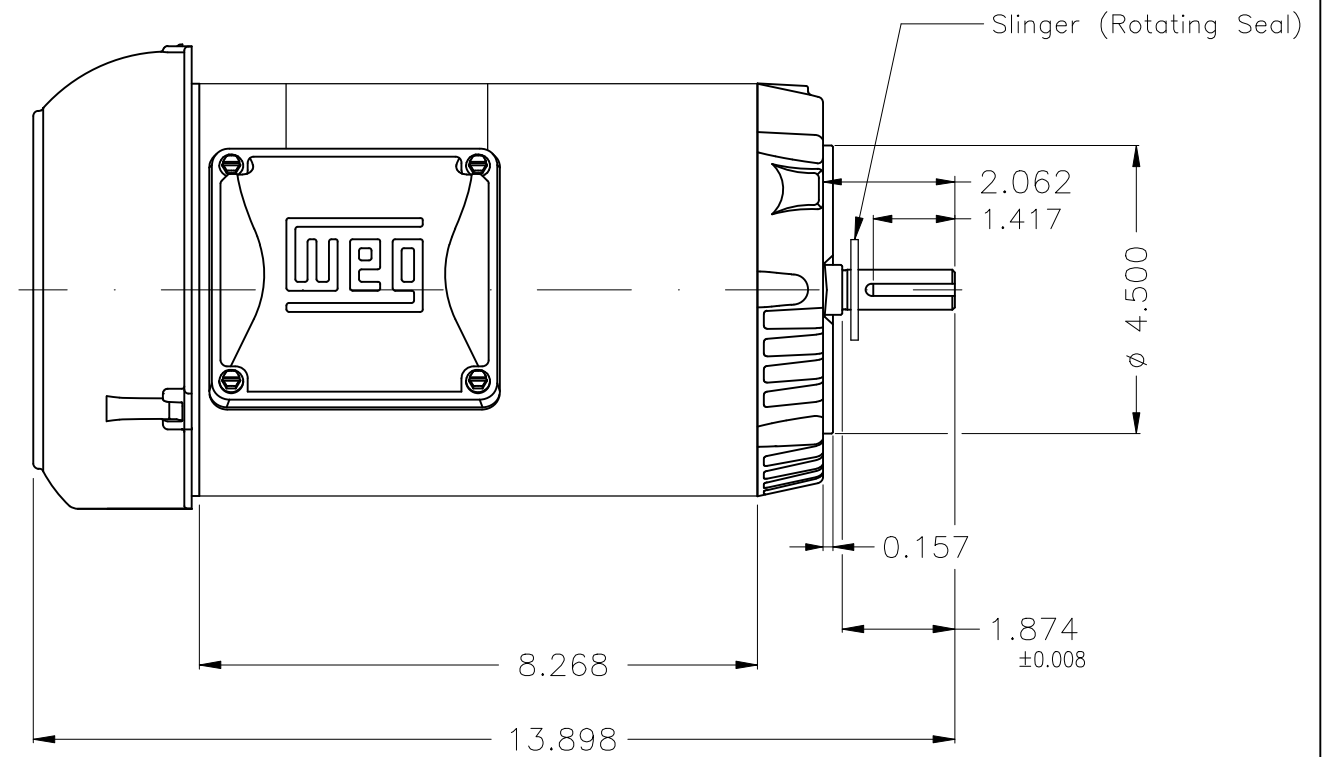
A



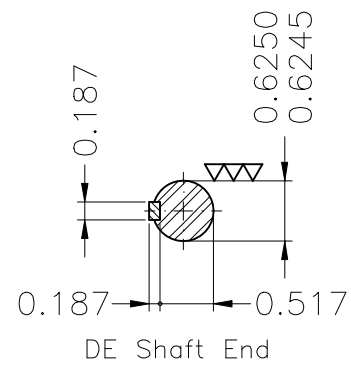
B



C



D



DE Shaft End

E

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 KEYED PREM. EFF. FRAME 56C IP55 TEFC								00
CHECKED												
RELEASED												
REL. DATE		WMO	Jaragua do Sul	Product Engineering				WDD	00			
							SHEET	1 / 1				

2 HP 02 Poles 60 Hz

A



Dimensions in inches XME A3