

**TECHNICAL BROCHURE**  
BAC1500



# Series A-C 1500

VERTICAL IN-LINE CENTRIFUGAL PUMPS

 **GOULDS**  
WATER TECHNOLOGY  
a xylem brand

### Series A-C 1500

The Series A-C 1500 is an efficient, heavy-duty, close coupled pump designed for horizontal and vertical in-line mounting. Available in several sizes: 1½" through 8"; ¼ to 50 HP at 1750 RPM; and 5 to 60 HP at 3500 RPM. Available in bronze fitted and all cast iron construction. Flows to 2500 GPM, heads to 380 ft. Available in 175 PSI, 250 PSI and 300 PSI working pressure designs.

#### **MOTOR BRACKET**

Precisely machined rigid cast iron motor bracket ensures positive concentric alignment between motor and pump components. This helps promote maintenance free operation and contributes to pump longevity.

#### **VOLUTE**

Standard construction is for 175 psi working pressure, with flanges drilled to mate with 125# ANSI companion flanges. 250 psi and 300 psi working pressure with 250# flange drilling is optional.\*

#### **MOTORS**

Standard NEMA JM and JP vertical solid shaft motors in drip proof enclosures are utilized on Series A-C 1500. TEFC and explosion proof enclosures are available options. Motor may be rotated on its bracket at 90° intervals to allow convenient positioning of the junction box.

#### **INTERNALLY FLUSHED MECHANICAL SEAL**

The Series A-C 1500 built-in mechanical seal with anti-vortex baffles in the seal chamber provides five times the flow around the seal face versus an externally flushed seal. Costly and inefficient external flush lines are not needed.

#### **CONVENIENT TO INSTALL**

In-line mounting eliminates the need for special pads or foundations in most cases. Standard piping supports on both sides of the pump are required at all times. The support ring located on the underside of the pump volute is designed to provide ground support when necessary.

#### **HORIZONTAL MOUNTING**

Pump may be mounted horizontally in vertical piping if desired.

#### **CONVENIENT TO SERVICE**

Back pullout design allows servicing without disturbing the piping. Repairs can be made quickly and easily. Thus down-time is kept to a minimum.

#### **IMPELLER BALANCED TO ANSI/HI GRADE G6.3**

Quiet, vibration free operation results from this efficient balancing method. Factory selected diameters ensure that required performance will be attained.

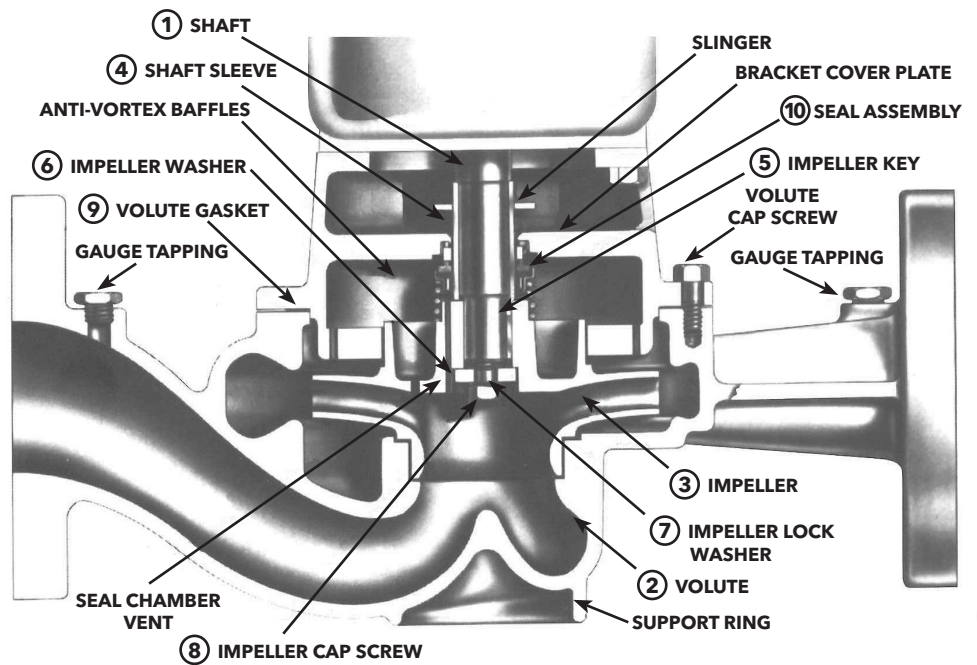
\* 250 psi working pressure requires special construction.

\* 300 psi working pressure requires special construction with silicon carbide seal.

\* Refer to factory.

An efficient, rugged, close-coupled pump designed for vertical and horizontal in-line mounting.

### Standard Mechanical Seal



### Construction Materials

(for parts in contact with fluid pumped)

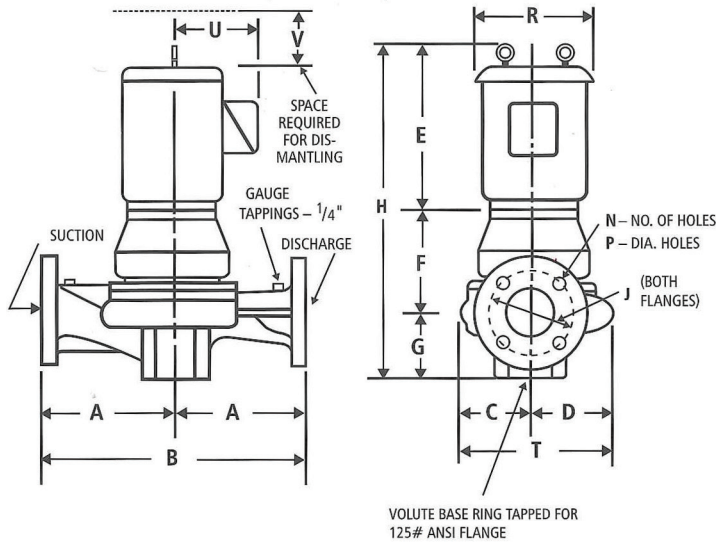
DESCRIPTION	BRONZE FITTED PUMP
1. Shaft	Alloy Steel
2. Volute	Cast Iron ASTM #A159
3. Impeller	Cast Bronze ASTM #B584
4. Shaft Sleeve	Aluminum Bronze
5. Impeller Key	#304 Stainless Steel
6. Impeller Washer	Brass
7. Impeller Lock Washer	#304 Stainless Steel
8. Impeller Capscrew	#304 Stainless Steel
9. Volute Gasket	Cellulose Fiber
10. Seal Assemblies	
A. Standard Seal	
Bellows	Buna-N
Faces	Carbon-Ceramic
Metal Parts	Brass or Stainless Steel
Spring	Stainless Steel
B. Flushed Single Seal For Stuffing Box Design	
O-Rings	EPR
Faces	Carbon-Tungsten Carbide
Metal Parts	Stainless Steel
Spring	Stainless Steel
C. Flushed Double Seal	
O-Rings	EPR
Faces	Carbon-Ceramic
Metal Parts	Stainless Steel
D. Packed Type	
Packing	Impregnated Braided Yarn
Gland	Bronze
Lantern Ring	Glass Filled TFE

### STANDARD SEALS

Buna-PH Limitations 7-9; Temperature Range -20° to +225°F  
 EPT-PH Limitations 7-11; Temperature Range -20° to +250°F.  
 For use on open or closed clear water systems. Maximum working pressure 175 psi.

## Commercial Water

### DIMENSIONS



### KEY FOR MATCHING 125# ANSI FLANGES TO VOLUTE BASE RING FOR PUMP SUPPORT

PUMP SIZE	FLANGE SIZE
1½ x 7	1"
2 x 7	1½"
2½ x 7	2"
3 x 7	2"
4 x 7	3"
5 x 7	3"
6 x 7	3"
1½ x 9½	1"
2 x 9½	2"
2½ x 9½	2"
3 x 9½	3"
4 x 9½	3"
5 x 9½	3"
6 x 9½	3"
8 x 9½	3"
3 x 11	3"
4 x 11	3"
6 x 11	3"
8 x 11	3"

### PUMP FLANGES in inches (mm)

PIPE SIZE	OUTER DIAMETER	THICKNESS
1½	6 (152)	1³/₁₆ (30)
2	6¼ (159)	7/₈ (22)
2½	7³/₈ (187)	1 (25)
3	8 (203)	1¹/₈ (30)
4	9½ (241)	1¼ (32)
5	10¾ (273)	1³/₈ (35)
6	12¹/₈ (308)	1⁷/₁₆ (37)
8	14¾ (375)	1⁵/₈ (41)

### DIMENSIONS in inches (mm)

MOTOR FRAME	A	B	C	D	MAX. E*	STD. SEAL F	STUFF. BOX F	G	MAX. STD. H*	MAX. STUFF. BOX H*	125# ANSI			250# ANSI			R	MAX. S*	T	MIN. V	
											J	N	P	J	N	P					
<b>PUMP SIZE 3 x 3 x 11</b>																					
213					19¼ (489)	4³/₁₆ (106)	7³/₁₆ (183)		30³/₁₆ (767)	33³/₁₆ (843)							14 (356)				
215																					
254					24¹/₈ (613)				38³/₈ (975)	38³/₈ (975)	6 (152)	4 (102)	¾ (19)	6⁵/₈ (168)	8 (203)	7/₈ (22)	17 (432)				
256	12 (305)	24 (610)	6¹⁵/₁₆ (176)	7⁵/₈ (194)				6¾ (171)													
284					23⁵/₈ (600)	7½ (191)	7½ (191)		37⁷/₈ (962)	37⁷/₈ (962)										14²/₁₆ (370)	5¼ (146)
286					25¹/₈ (638)				39³/₈ (1000)	39³/₈ (1000)							16¹/₈ (410)	4⁵/₈ (117)			
324									40¼ (1022)	40¼ (1022)							18¾ (476)				
326					26 (660)																
<b>PUMP SIZE 4 x 4 x 11</b>																					
213					19¼ (489)	4³/₈ (111)	7³/₈ (187)		32¹/₈ (816)	35¹/₈ (892)							14 (356)				
215	13 (330)	26 (660)	7⁹/₁₆ (192)	8⁹/₁₆ (217)				7½ (191)			7½ (191)	8 (203)	¾ (19)	7⁷/₈ (200)	8 (203)	7/₈ (22)	17 (432)		16¹/₈ (410)	5¼ (133)	
254					24¹/₈ (613)	7¹¹/₁₆ (195)	7¹¹/₁₆ (195)		39⁵/₁₆ (999)	39⁵/₁₆ (999)											
256																					
<b>PUMP SIZE 6 x 6 x 11</b>																					
213					19¼ (489)		7⁹/₁₆ (192)										14 (356)				
215																					
254					24¹/₈ (613)				40¹¹/₁₆ (1033)	40¹¹/₁₆ (1033)	9½ (241)	8 (203)	7/₈ (22)	10⁵/₈ (270)	12 (305)	7/₈ (22)	17 (432)				
256	16 (406)	32 (813)	8³/₈ (213)	9¾ (248)				8¾ (222)												18¹/₈ (460)	5⁵/₁₆ (135)
284					23⁵/₈ (600)	7¹³/₁₆ (198)	7¹³/₁₆ (198)		40³/₁₆ (1021)	40³/₁₆ (1021)							16¹/₈ (410)	4⁵/₈ (117)			
286					25¹/₈ (638)				41¹¹/₁₆ (1059)	41¹¹/₁₆ (1059)											
324					26 (660)				42⁹/₁₆ (1081)	42⁹/₁₆ (1081)							18¾ (476)				
<b>PUMP SIZE 8 x 8 x 11</b>																					
254					24¹/₈ (613)				42½ (1080)	42½ (1080)							17 (432)				
256																					
284	18 (457)	36 (914)	9 (229)	11³/₈ (289)	23⁵/₈ (600)	8¹/₈ (206)	8¹/₈ (206)	10¼ (260)	42 (1067)	42 (1067)	11¾ (298)	8 (203)	7/₈ (22)	13 (330)	12 (305)	7/₈ (22)	16¹/₈ (410)	4⁵/₈ (117)	20³/₈ (518)	5¼ (146)	
286					25¹/₈ (638)				43½ (1105)	43½ (1105)											
324																	18¾ (476)				
326					26 (660)				44³/₈ (1127)	44³/₈ (1127)											

\*For 1 phase motors add 1" maximum to dimensions E & H.

Dimensions subject to change without notice. Do not use for construction purposes.

\*For TEFC Motors add S dimensions to dimensions E & H.

## Commercial Water

DIMENSIONS in inches (mm)											125# ANSI			250# ANSI						
MOTOR FRAME	A	B	C	D	MAX. E*	STD. SEAL F	STUFF. BOX F	G	MAX. STD. H*	MAX. STUFF. BOX H*	J	N	P	J	N	P	MAX. R	T	MIN. V	
<b>PUMP SIZE 1 1/2 x 1 1/2 x 7B</b>																				
143					11 <sup>5</sup> / <sub>8</sub> (295)				20 <sup>5</sup> / <sub>8</sub> (524)	23 <sup>3</sup> / <sub>4</sub> (603)							9 <sup>3</sup> / <sub>8</sub> (248)			
145					12 <sup>5</sup> / <sub>8</sub> (321)				21 <sup>5</sup> / <sub>8</sub> (549)	24 <sup>3</sup> / <sub>4</sub> (629)										
182	8 (203)	16 (406)	4 <sup>5</sup> / <sub>8</sub> (117)	4 <sup>3</sup> / <sub>4</sub> (121)	15 <sup>5</sup> / <sub>16</sub> (389)	4 <sup>5</sup> / <sub>8</sub> (117)	7 <sup>3</sup> / <sub>4</sub> (197)	4 <sup>3</sup> / <sub>8</sub> (111)	24 <sup>3</sup> / <sub>8</sub> (619)	27 <sup>1</sup> / <sub>2</sub> (699)	3 <sup>7</sup> / <sub>8</sub> (98)	4 (102)	5 <sup>5</sup> / <sub>8</sub> (16)	4 <sup>1</sup> / <sub>2</sub> (114)	4 (102)	7 <sup>5</sup> / <sub>8</sub> (22)	11 <sup>3</sup> / <sub>4</sub> (298)	9 <sup>3</sup> / <sub>8</sub> (238)	4 (102)	
184					19 <sup>1</sup> / <sub>4</sub> (489)															
213							N.A.													
215									28 <sup>1</sup> / <sub>4</sub> (718)	N.A.							14 (356)			
<b>PUMP SIZE 2 x 2 x 7</b>																				
143					11 <sup>5</sup> / <sub>8</sub> (295)				21 <sup>1</sup> / <sub>8</sub> (537)	24 <sup>1</sup> / <sub>4</sub> (616)							9 <sup>3</sup> / <sub>8</sub> (248)			
145					12 <sup>5</sup> / <sub>8</sub> (321)				22 <sup>1</sup> / <sub>8</sub> (562)	25 <sup>1</sup> / <sub>4</sub> (641)										
182	8 <sup>1</sup> / <sub>2</sub> (216)	17 (432)	4 <sup>3</sup> / <sub>4</sub> (121)	5 <sup>1</sup> / <sub>4</sub> (133)	15 <sup>5</sup> / <sub>16</sub> (389)	4 <sup>7</sup> / <sub>8</sub> (124)	7 <sup>3</sup> / <sub>4</sub> (197)	4 <sup>7</sup> / <sub>8</sub> (124)	24 <sup>13</sup> / <sub>16</sub> (630)	27 <sup>15</sup> / <sub>16</sub> (710)	4 <sup>3</sup> / <sub>4</sub> (121)	4 (102)	3 <sup>4</sup> / <sub>8</sub> (19)	5 (127)	8 (203)	3 <sup>4</sup> / <sub>8</sub> (19)	11 <sup>3</sup> / <sub>4</sub> (298)	10 (254)	4 (102)	
184					19 <sup>1</sup> / <sub>4</sub> (489)															
213							8 <sup>1</sup> / <sub>2</sub> (216)													
215									28 <sup>3</sup> / <sub>4</sub> (730)	32 <sup>5</sup> / <sub>8</sub> (829)							14 (356)			
<b>PUMP SIZE 2 1/2 x 2 1/2 x 7</b>																				
143					11 <sup>5</sup> / <sub>8</sub> (295)				21 <sup>3</sup> / <sub>4</sub> (552)	24 <sup>7</sup> / <sub>8</sub> (632)							9 <sup>3</sup> / <sub>8</sub> (248)			
145					12 <sup>5</sup> / <sub>8</sub> (321)				22 <sup>3</sup> / <sub>4</sub> (578)	25 <sup>7</sup> / <sub>8</sub> (657)										
182					15 <sup>5</sup> / <sub>16</sub> (389)	4 <sup>7</sup> / <sub>8</sub> (124)	8 (203)		25 <sup>1</sup> / <sub>2</sub> (646)	28 <sup>5</sup> / <sub>8</sub> (727)	5 <sup>1</sup> / <sub>2</sub> (140)	4 (102)	3 <sup>4</sup> / <sub>8</sub> (19)	5 <sup>7</sup> / <sub>8</sub> (149)	8 (203)	7 <sup>5</sup> / <sub>8</sub> (22)	11 <sup>3</sup> / <sub>4</sub> (298)	10 <sup>5</sup> / <sub>8</sub> (270)	4 <sup>1</sup> / <sub>2</sub> (114)	
184	9 (229)	18 (457)	5 (127)	5 <sup>5</sup> / <sub>8</sub> (143)	19 <sup>1</sup> / <sub>4</sub> (489)				29 <sup>3</sup> / <sub>8</sub> (746)	33 <sup>1</sup> / <sub>4</sub> (845)							14 (356)			
213							8 <sup>3</sup> / <sub>4</sub> (222)													
215					24 <sup>1</sup> / <sub>8</sub> (613)	8 <sup>3</sup> / <sub>4</sub> (222)			38 <sup>1</sup> / <sub>8</sub> (968)	38 <sup>1</sup> / <sub>8</sub> (968)							17 (432)			
254																				
<b>PUMP SIZE 3 x 3 x 7B</b>																				
143					11 <sup>5</sup> / <sub>8</sub> (295)				22 (559)	25 <sup>1</sup> / <sub>8</sub> (638)							9 <sup>3</sup> / <sub>8</sub> (248)			
145					12 <sup>5</sup> / <sub>8</sub> (321)				23 (584)	26 <sup>1</sup> / <sub>8</sub> (664)										
182					15 <sup>5</sup> / <sub>16</sub> (389)	4 <sup>7</sup> / <sub>8</sub> (124)	8 (203)		25 <sup>3</sup> / <sub>4</sub> (654)	28 <sup>7</sup> / <sub>8</sub> (733)	6 (153)	4 (102)	3 <sup>4</sup> / <sub>8</sub> (19)	6 <sup>5</sup> / <sub>8</sub> (168)	8 (203)	7 <sup>5</sup> / <sub>8</sub> (22)	11 <sup>3</sup> / <sub>4</sub> (298)	11 <sup>1</sup> / <sub>2</sub> (292)	4 <sup>1</sup> / <sub>2</sub> (114)	
184	9 <sup>1</sup> / <sub>2</sub> (241)	19 (483)	5 <sup>1</sup> / <sub>4</sub> (133)	6 <sup>1</sup> / <sub>4</sub> (159)	19 <sup>1</sup> / <sub>4</sub> (489)				29 <sup>5</sup> / <sub>8</sub> (752)	33 <sup>1</sup> / <sub>2</sub> (851)							14 (356)			
213							8 <sup>3</sup> / <sub>4</sub> (222)													
215					24 <sup>1</sup> / <sub>8</sub> (613)	8 <sup>3</sup> / <sub>4</sub> (222)			38 <sup>3</sup> / <sub>8</sub> (975)	38 <sup>3</sup> / <sub>8</sub> (975)							17 (432)			
254																				
256																				
<b>PUMP SIZE 4 x 4 x 7</b>																				
145					12 <sup>5</sup> / <sub>8</sub> (321)				24 <sup>1</sup> / <sub>8</sub> (613)	27 <sup>1</sup> / <sub>4</sub> (692)							9 <sup>3</sup> / <sub>4</sub> (248)			
182					15 <sup>5</sup> / <sub>16</sub> (389)				26 <sup>13</sup> / <sub>16</sub> (681)	29 <sup>15</sup> / <sub>16</sub> (760)										
184					19 <sup>1</sup> / <sub>4</sub> (489)	5 <sup>1</sup> / <sub>8</sub> (130)	8 <sup>1</sup> / <sub>4</sub> (210)											11 <sup>3</sup> / <sub>4</sub> (298)		
213	10 <sup>1</sup> / <sub>2</sub> (267)	21 (533)	5 <sup>1</sup> / <sub>4</sub> (140)	6 <sup>3</sup> / <sub>4</sub> (171)	19 <sup>1</sup> / <sub>4</sub> (489)			6 <sup>3</sup> / <sub>8</sub> (162)	30 <sup>3</sup> / <sub>4</sub> (781)	34 <sup>5</sup> / <sub>8</sub> (879)	7 <sup>1</sup> / <sub>2</sub> (191)	8 (203)	3 <sup>4</sup> / <sub>8</sub> (19)	7 <sup>7</sup> / <sub>8</sub> (200)	8 (203)	7 <sup>5</sup> / <sub>8</sub> (22)	14 (356)	12 <sup>1</sup> / <sub>4</sub> (311)	5 (127)	
215					24 <sup>1</sup> / <sub>8</sub> (613)	9 (229)	9 (229)													
254									39 <sup>1</sup> / <sub>2</sub> (1003)	39 <sup>1</sup> / <sub>2</sub> (1003)										
256					23 <sup>5</sup> / <sub>8</sub> (600)				39 (991)	39 (991)								16 <sup>1</sup> / <sub>8</sub> (410)		
284																				
<b>PUMP SIZE 5 x 5 x 7</b>																				
145					12 <sup>5</sup> / <sub>8</sub> (321)				25 <sup>5</sup> / <sub>8</sub> (645)	28 <sup>1</sup> / <sub>2</sub> (724)							9 <sup>3</sup> / <sub>4</sub> (248)			
182					15 <sup>5</sup> / <sub>16</sub> (389)				28 <sup>1</sup> / <sub>16</sub> (713)	31 <sup>3</sup> / <sub>16</sub> (792)										
184					19 <sup>1</sup> / <sub>4</sub> (489)	5 <sup>1</sup> / <sub>2</sub> (140)	8 <sup>5</sup> / <sub>8</sub> (219)											11 <sup>3</sup> / <sub>4</sub> (298)		
213									32 (813)	35 <sup>7</sup> / <sub>8</sub> (911)								14 (356)		
215					24 <sup>1</sup> / <sub>8</sub> (613)			7 <sup>1</sup> / <sub>4</sub> (184)	40 <sup>3</sup> / <sub>4</sub> (1035)	40 <sup>3</sup> / <sub>4</sub> (1035)	8 <sup>1</sup> / <sub>2</sub> (216)	8 (203)	7 <sup>5</sup> / <sub>8</sub> (22)	9 <sup>1</sup> / <sub>4</sub> (235)	8 (203)	7 <sup>5</sup> / <sub>8</sub> (22)	17 (432)	13 (330)	4 <sup>1</sup> / <sub>2</sub> (114)	
254	12 (305)	24 (610)	5 <sup>3</sup> / <sub>4</sub> (146)	7 <sup>1</sup> / <sub>4</sub> (184)	24 <sup>1</sup> / <sub>8</sub> (613)				40 <sup>3</sup> / <sub>4</sub> (1035)	40 <sup>3</sup> / <sub>4</sub> (1035)										
256					23 <sup>5</sup> / <sub>8</sub> (600)	9 <sup>3</sup> / <sub>8</sub> (238)	9 <sup>3</sup> / <sub>8</sub> (238)		40 <sup>3</sup> / <sub>4</sub> (1022)	40 <sup>3</sup> / <sub>4</sub> (1022)								16 <sup>1</sup> / <sub>8</sub> (410)		
284					25 <sup>1</sup> / <sub>8</sub> (638)				41 <sup>3</sup> / <sub>4</sub> (1060)	41 <sup>3</sup> / <sub>4</sub> (1060)										
286									42 <sup>5</sup> / <sub>8</sub> (1083)	42 <sup>5</sup> / <sub>8</sub> (1083)										
324					26 (660)															
326																				

\*For 1 phase motors add 1" maximum to dimensions E & H.

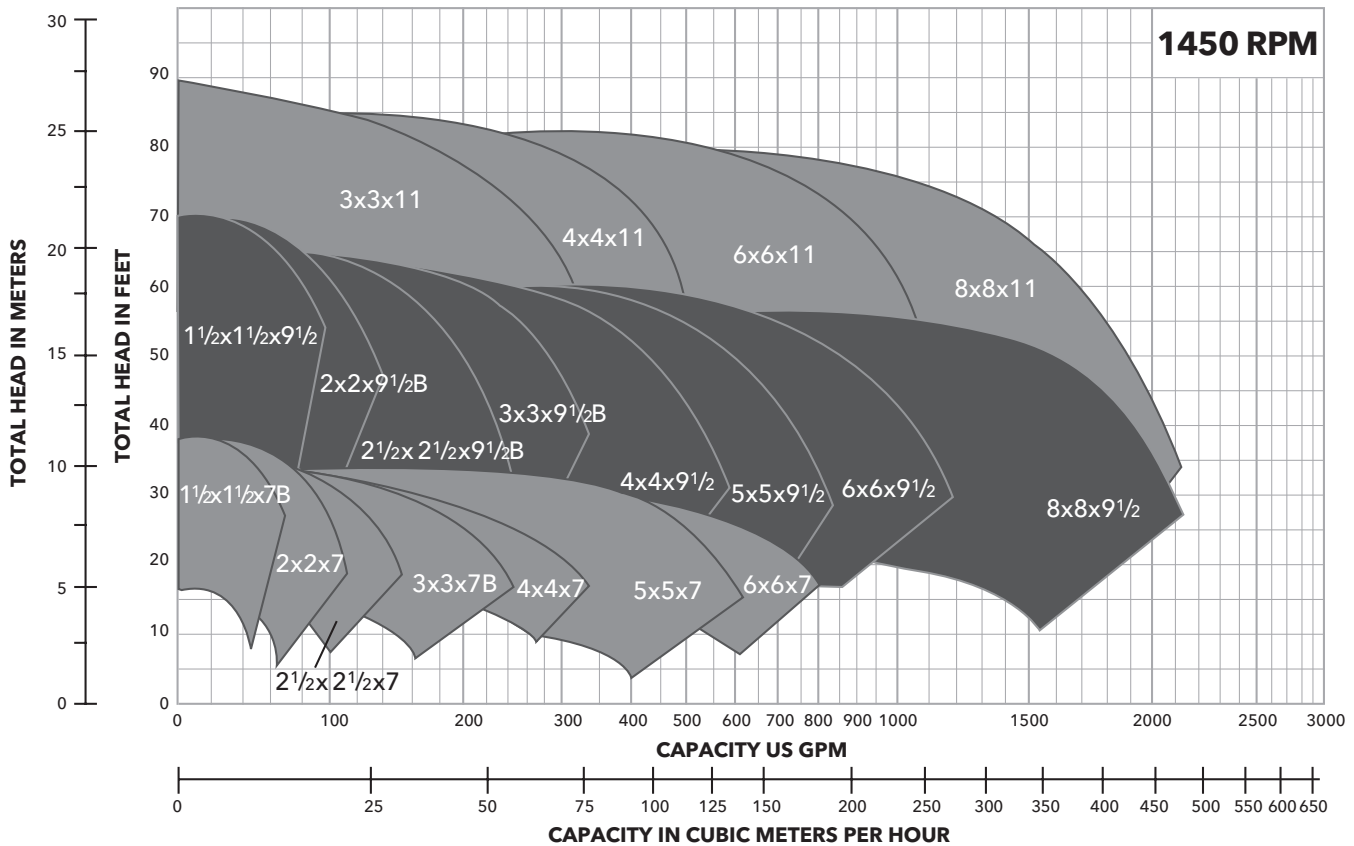
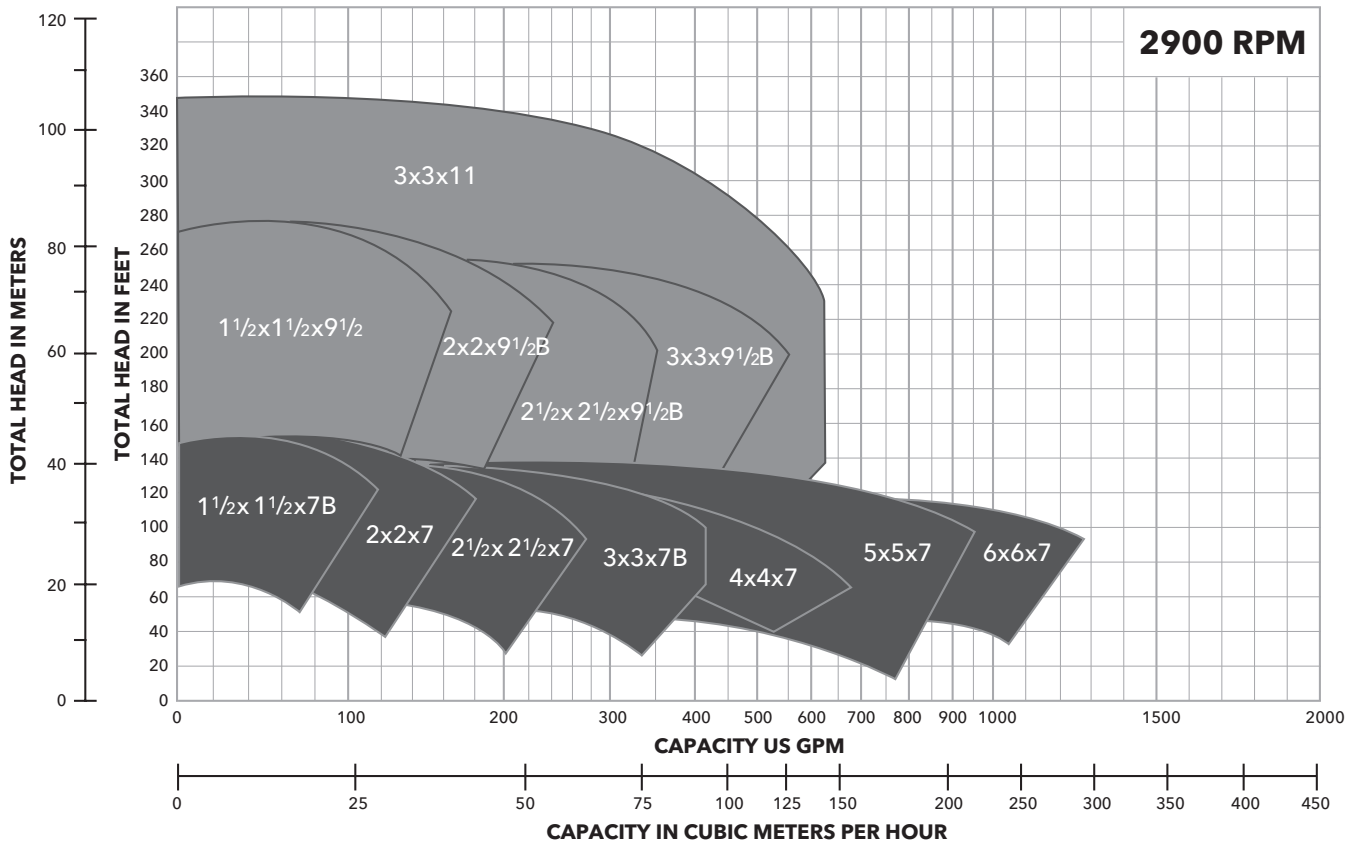
Dimensions subject to change without notice. Do not use for construction purposes.

## Commercial Water

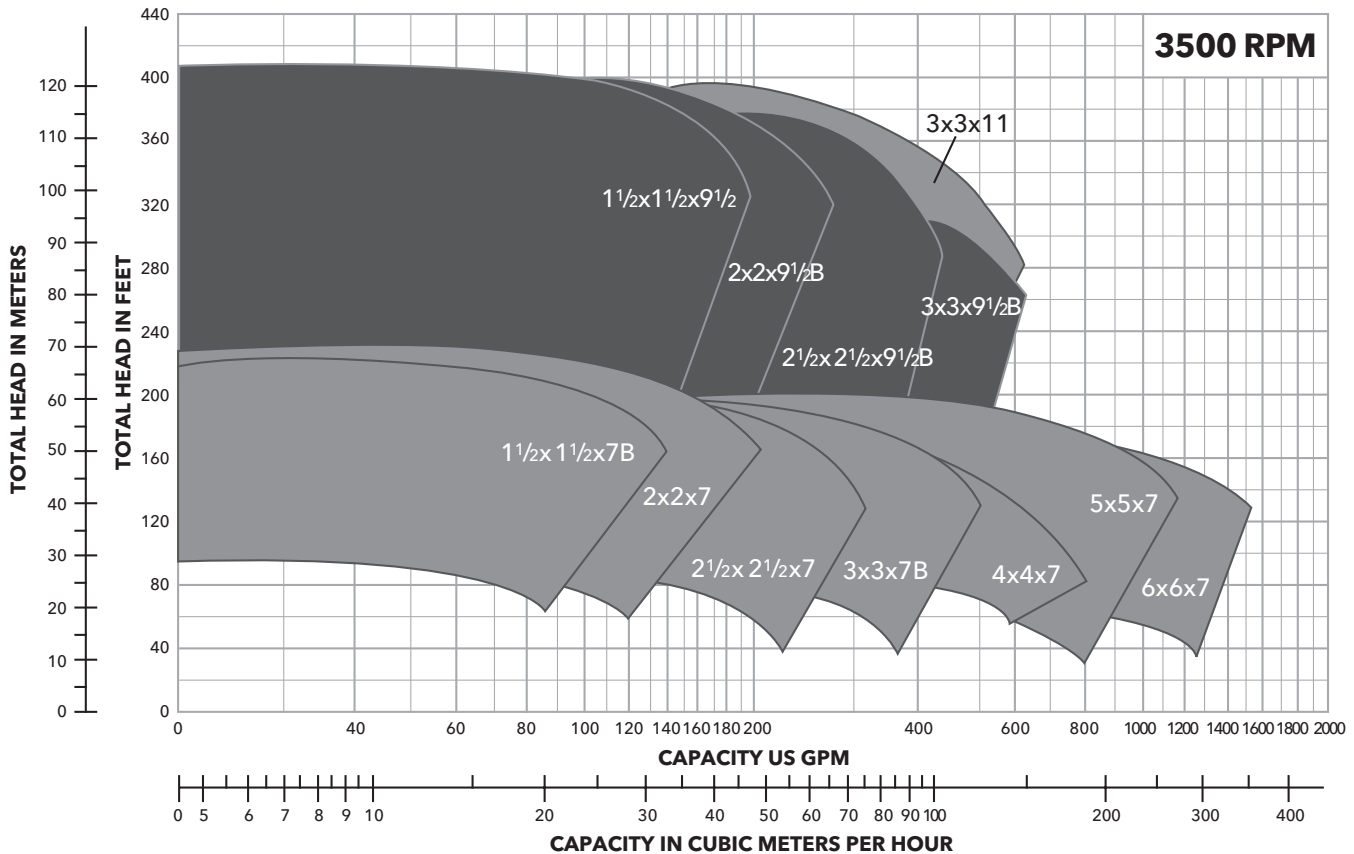
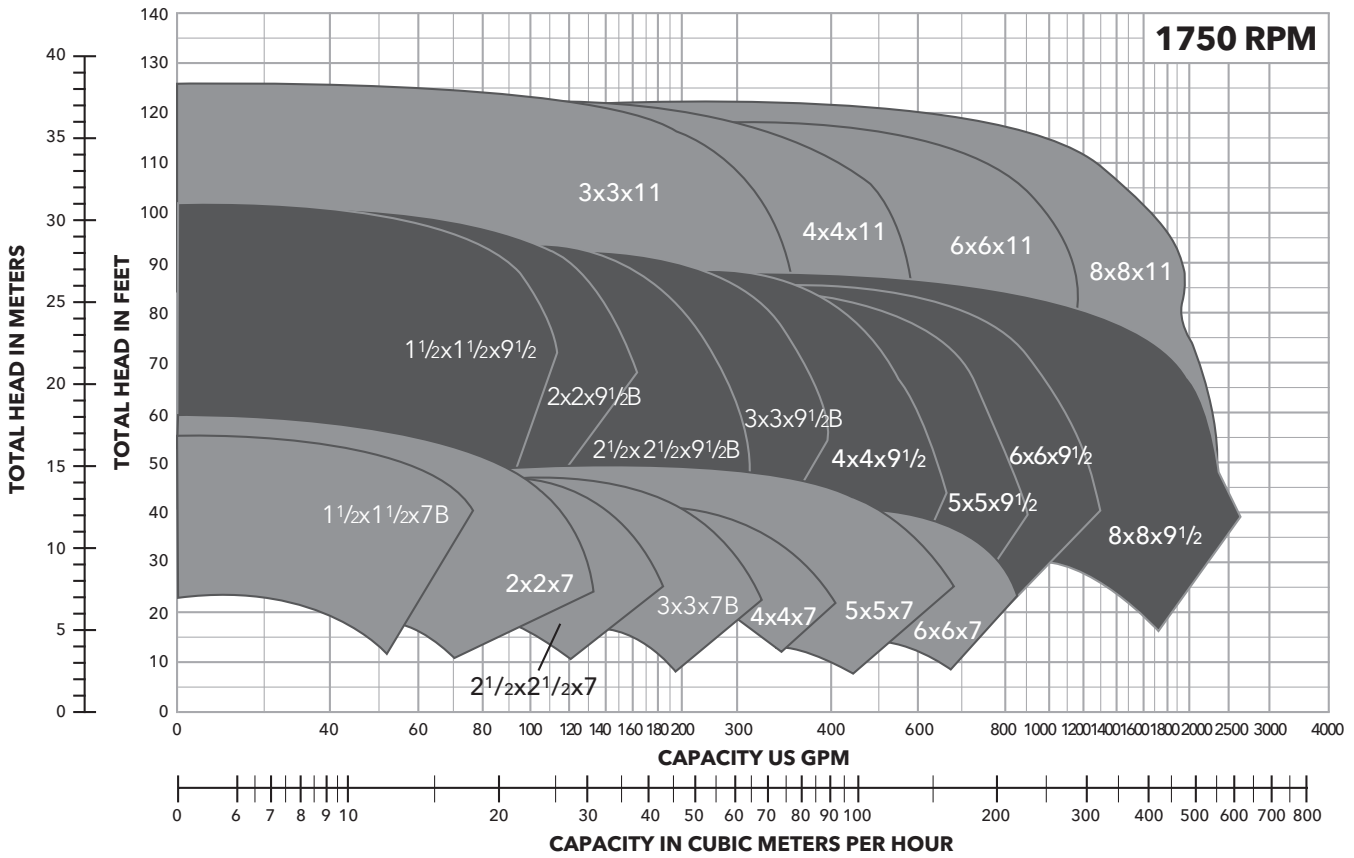
### DIMENSIONS in inches (mm)

MOTOR FRAME	A	B	C	D	MAX. E*	STD. SEAL F	STUFF. BOX F	G	MAX. STD. H*	MAX. STUFF. BOX H*	125# ANSI			250# ANSI			MAX. R	T	MIN. V	
											J	N	P	J	N	P				
<b>PUMP SIZE 6 x 6 x 7</b>																				
182					15 <sup>5</sup> / <sub>16</sub> (389)	6 <sup>1</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>4</sub> (235)			29 <sup>1</sup> / <sub>2</sub> (749)	32 <sup>11</sup> / <sub>16</sub> (830)							11 <sup>3</sup> / <sub>4</sub> (298)		
184					19 <sup>1</sup> / <sub>4</sub> (489)	(154)				33 <sup>7</sup> / <sub>16</sub> (849)	37 <sup>5</sup> / <sub>16</sub> (947)							14 (356)		
213					24 <sup>1</sup> / <sub>8</sub> (613)			8 <sup>1</sup> / <sub>8</sub>		42 <sup>3</sup> / <sub>16</sub> (1072)	42 <sup>3</sup> / <sub>16</sub> (1071)	9 <sup>1</sup> / <sub>2</sub>	8	7 <sup>7</sup> / <sub>8</sub>	10 <sup>5</sup> / <sub>8</sub>	12	7 <sup>7</sup> / <sub>8</sub>	17 (432)	15	5 <sup>1</sup> / <sub>4</sub>
215					23 <sup>5</sup> / <sub>8</sub> (600)					41 <sup>11</sup> / <sub>16</sub> (1059)	41 <sup>11</sup> / <sub>16</sub> (1059)	(241)	(203)	(22)	(270)	(305)	(22)	16 <sup>1</sup> / <sub>8</sub> (410)	(381)	(133)
254	14	28	6 <sup>1</sup> / <sub>2</sub>	8 <sup>1</sup> / <sub>2</sub>	25 <sup>1</sup> / <sub>8</sub> (638)	9 <sup>15</sup> / <sub>16</sub> (252)	9 <sup>15</sup> / <sub>16</sub> (252)	8 <sup>1</sup> / <sub>8</sub>		43 <sup>3</sup> / <sub>16</sub> (1097)	43 <sup>3</sup> / <sub>16</sub> (1097)							17 (432)		
256	(356)	(711)	(165)	(216)	26 (660)					44 <sup>1</sup> / <sub>16</sub> (1119)	44 <sup>1</sup> / <sub>16</sub> (1119)							18 <sup>3</sup> / <sub>4</sub> (476)		
284																				
286																				
324																				
326																				
<b>PUMP SIZE 1 1/2 x 1 1/2 x 9 1/2</b>																				
143					11 <sup>5</sup> / <sub>8</sub> (295)					20 <sup>7</sup> / <sub>8</sub> (530)	24 (610)							9 <sup>3</sup> / <sub>4</sub> (248)		
145					12 <sup>5</sup> / <sub>8</sub> (321)					21 <sup>7</sup> / <sub>8</sub> (556)	25 (635)							11 <sup>3</sup> / <sub>4</sub> (298)		
182					15 <sup>5</sup> / <sub>8</sub> (389)	4 <sup>1</sup> / <sub>16</sub> (119)	7 <sup>13</sup> / <sub>16</sub>			24 <sup>1</sup> / <sub>2</sub> (622)	27 <sup>5</sup> / <sub>8</sub> (702)							14 (356)	12 <sup>1</sup> / <sub>8</sub>	4
184					19 <sup>1</sup> / <sub>4</sub> (489)		(198)	4 <sup>1</sup> / <sub>2</sub>		28 <sup>1</sup> / <sub>2</sub> (724)	32 <sup>3</sup> / <sub>8</sub> (822)	3 <sup>7</sup> / <sub>8</sub>	4	5 <sup>5</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>2</sub>	4	7 <sup>7</sup> / <sub>8</sub>	17 (432)	(308)	(102)
213	9 <sup>1</sup> / <sub>2</sub>	19	5 <sup>7</sup> / <sub>8</sub>	6 <sup>1</sup> / <sub>4</sub>	24 <sup>1</sup> / <sub>8</sub> (613)			(114)		37 <sup>1</sup> / <sub>4</sub> (946)	37 <sup>1</sup> / <sub>4</sub> (946)	(98)	(102)	(16)	(114)	(102)	(22)	14 (356)		
215	(241)	(711)	(149)	(159)	23 <sup>5</sup> / <sub>8</sub> (600)	8 <sup>9</sup> / <sub>16</sub>	8 <sup>9</sup> / <sub>16</sub>			36 <sup>3</sup> / <sub>4</sub> (933)	36 <sup>3</sup> / <sub>4</sub> (933)							16 <sup>1</sup> / <sub>8</sub> (410)		
254																				
256																				
284																				
286																				
<b>PUMP SIZE 2 x 2 x 9 1/2B</b>																				
145					12 <sup>5</sup> / <sub>8</sub> (321)					22 <sup>3</sup> / <sub>4</sub> (578)	25 <sup>7</sup> / <sub>8</sub> (657)							9 <sup>3</sup> / <sub>4</sub> (248)		
182					15 <sup>5</sup> / <sub>8</sub> (389)	4 <sup>3</sup> / <sub>4</sub> (121)	7 <sup>7</sup> / <sub>8</sub>			25 <sup>7</sup> / <sub>16</sub> (646)	28 <sup>7</sup> / <sub>16</sub> (725)							11 <sup>3</sup> / <sub>4</sub> (298)		
184					19 <sup>1</sup> / <sub>4</sub> (489)		(200)			29 <sup>3</sup> / <sub>8</sub> (746)	33 <sup>3</sup> / <sub>4</sub> (845)	4 <sup>3</sup> / <sub>4</sub>	4	3 <sup>3</sup> / <sub>4</sub>	5	8	3 <sup>3</sup> / <sub>4</sub>	14 (356)	12 <sup>5</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>2</sub>
213	10	20	6	6 <sup>5</sup> / <sub>8</sub>	24 <sup>1</sup> / <sub>8</sub> (613)		8 <sup>5</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>8</sub>		38 <sup>1</sup> / <sub>8</sub> (968)	38 <sup>1</sup> / <sub>8</sub> (968)	(121)	(102)	(19)	(127)	(203)	(19)	17 (432)	(321)	(114)
215	(254)	(508)	(152)	(168)	23 <sup>5</sup> / <sub>8</sub> (600)	8 <sup>5</sup> / <sub>8</sub> (219)	8 <sup>5</sup> / <sub>8</sub> (219)	(137)		37 <sup>5</sup> / <sub>8</sub> (956)	37 <sup>5</sup> / <sub>8</sub> (956)							16 <sup>1</sup> / <sub>8</sub> (410)		
254					25 <sup>1</sup> / <sub>8</sub> (638)					39 <sup>1</sup> / <sub>8</sub> (994)	39 <sup>1</sup> / <sub>8</sub> (994)									
256																				
284																				
286																				
<b>PUMP SIZE 2 1/2 x 2 1/2 x 9 1/2B</b>																				
145					12 <sup>5</sup> / <sub>8</sub> (321)					23 <sup>1</sup> / <sub>2</sub> (597)	26 <sup>5</sup> / <sub>8</sub> (676)							9 <sup>3</sup> / <sub>4</sub> (248)		
182					15 <sup>5</sup> / <sub>8</sub> (389)	4 <sup>13</sup> / <sub>16</sub>	7 <sup>15</sup> / <sub>16</sub>			26 <sup>1</sup> / <sub>8</sub> (664)	29 <sup>1</sup> / <sub>4</sub> (743)							11 <sup>3</sup> / <sub>4</sub> (298)		
184					19 <sup>1</sup> / <sub>4</sub> (489)	(122)	(202)			30 <sup>1</sup> / <sub>8</sub> (765)	34 (864)	5 <sup>1</sup> / <sub>2</sub>	4	3 <sup>3</sup> / <sub>8</sub>	5 <sup>7</sup> / <sub>8</sub>	8	7 <sup>7</sup> / <sub>8</sub>	14 (356)	13 <sup>1</sup> / <sub>2</sub>	4 <sup>3</sup> / <sub>4</sub>
213	10 <sup>3</sup> / <sub>4</sub>	21 <sup>1</sup> / <sub>2</sub>	6 <sup>3</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>8</sub>	24 <sup>1</sup> / <sub>8</sub> (613)		8 <sup>11</sup> / <sub>16</sub>	6		38 <sup>7</sup> / <sub>8</sub> (987)	38 <sup>7</sup> / <sub>8</sub> (987)	(140)	(102)	(19)	(149)	(203)	(22)	17 (432)	(343)	(121)
215	(273)	(546)	(162)	(181)	23 <sup>5</sup> / <sub>8</sub> (600)	8 <sup>11</sup> / <sub>16</sub>	8 <sup>11</sup> / <sub>16</sub>	(153)		38 <sup>3</sup> / <sub>8</sub> (975)	38 <sup>3</sup> / <sub>8</sub> (975)							16 <sup>1</sup> / <sub>8</sub> (410)		
254					25 <sup>1</sup> / <sub>8</sub> (638)					39 <sup>7</sup> / <sub>8</sub> (1013)	39 <sup>7</sup> / <sub>8</sub> (1013)							18 <sup>3</sup> / <sub>4</sub> (476)		
256					26 (660)					40 <sup>3</sup> / <sub>4</sub> (1035)	40 <sup>3</sup> / <sub>4</sub> (1035)									
284																				
286																				
324																				
326																				
<b>PUMP SIZE 3 x 3 x 9 1/2B</b>																				
184					15 <sup>3</sup> / <sub>8</sub> (391)	4 <sup>13</sup> / <sub>16</sub>	7 <sup>15</sup> / <sub>16</sub>			26 <sup>1</sup> / <sub>4</sub> (667)	29 <sup>3</sup> / <sub>8</sub> (746)							11 <sup>3</sup> / <sub>4</sub> (298)		
213					19 <sup>1</sup> / <sub>4</sub> (489)	(122)	(202)			30 <sup>1</sup> / <sub>4</sub> (768)	34 <sup>1</sup> / <sub>8</sub> (867)							14 (356)		
215					24 <sup>1</sup> / <sub>8</sub> (613)		8 <sup>11</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>8</sub>		39 (991)	39 (991)	6	4	3 <sup>3</sup> / <sub>4</sub>	6 <sup>5</sup> / <sub>8</sub>	8	7 <sup>7</sup> / <sub>8</sub>	17 (432)	14 <sup>1</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>2</sub>
254	11 <sup>1</sup> / <sub>2</sub>	23	6 <sup>5</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>2</sub>	23 <sup>5</sup> / <sub>8</sub> (600)	8 <sup>11</sup> / <sub>16</sub>	8 <sup>11</sup> / <sub>16</sub>	(156)		38 <sup>1</sup> / <sub>2</sub> (978)	38 <sup>1</sup> / <sub>2</sub> (978)	(152)	(102)	(19)	(168)	(203)	(22)	16 <sup>1</sup> / <sub>8</sub> (410)	(359)	(114)
256	(292)	(584)	(168)	(191)	25 <sup>1</sup> / <sub>8</sub> (638)	(221)	(221)			40 (1016)	40 (1016)							18 <sup>3</sup> / <sub>4</sub> (476)		
284					26 (660)					40 <sup>7</sup> / <sub>8</sub> (1038)	40 <sup>7</sup> / <sub>8</sub> (1038)									
286																				
324																				
326																				
<b>PUMP SIZE 4 x 4 x 9 1/2</b>																				
184					15 <sup>5</sup> / <sub>16</sub> (389)	5 <sup>1</sup> / <sub>8</sub> (130)	8 <sup>1</sup> / <sub>4</sub> (210)			27 <sup>7</sup> / <sub>16</sub> (700)	30 <sup>11</sup> / <sub>16</sub> (779)							11 <sup>3</sup> / <sub>4</sub> (298)		
213	12 <sup>1</sup> / <sub>2</sub>	25	7 <sup>1</sup> / <sub>4</sub>	8 <sup>1</sup> / <sub>2</sub>	19 <sup>1</sup> / <sub>4</sub> (489)		9 (229)	7 <sup>1</sup> / <sub>8</sub>		31 <sup>1</sup> / <sub>2</sub> (800)	35 <sup>3</sup> / <sub>8</sub> (899)	7 <sup>1</sup> / <sub>2</sub>	8	3 <sup>3</sup> / <sub>4</sub>	7 <sup>7</sup> / <sub>8</sub>	8	7 <sup>7</sup> / <sub>8</sub>	14 (356)	15 <sup>3</sup> / <sub>4</sub>	5
215	(318)	(635)	(184)	(216)	24 <sup>1</sup> / <sub>8</sub> (613)	9 (229)	9 (229)	(181)		40 <sup>1</sup> / <sub>4</sub> (1022)	40 <sup>1</sup> / <sub>4</sub> (1022)	(191)	(203)	(19)	(200)	(203)	(22)	17 (432)	(400)	(127)
254																				
<b>PUMP SIZE 5 x 5 x 9 1/2</b>																				
213					19 <sup>1</sup> / <sub>4</sub> (489)	5 <sup>1</sup> / <sub>8</sub> (130)	9 (229)	7		31 <sup>3</sup> / <sub>8</sub> (797)	35 <sup>1</sup> / <sub>4</sub> (895)	8 <sup>1</sup> / <sub>2</sub>	8	7 <sup>7</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>4</sub>	8	7 <sup>7</sup> / <sub>8</sub>	14 (356)	16 <sup>3</sup> / <sub>8</sub>	5
215	14 <sup>1</sup> / <sub>2</sub>	29	7 <sup>3</sup> / <sub>8</sub>	9	24 <sup>1</sup> / <sub>8</sub> (613)	9 (229)	9 (229)	(178)		40 <sup>1</sup> / <sub>8</sub> (1019)	40 <sup>1</sup> / <sub>8</sub> (1019)	(216)	(203)	(22)	(235)	(203)	(22)	17 (432)	(416)	(127)
254	(368)	(737)	(187)	(229)																
256																				
<b>PUMP SIZE 6 x 6 x 9 1/2</b>																				
213					19 <sup>1</sup> / <sub>4</sub> (489)	5 <sup>3</sup> / <sub>8</sub> (137)	9 <sup>1</sup> / <sub>4</sub> (235)	8 <sup>3</sup> / <sub>4</sub>		33 <sup>3</sup> / <sub>8</sub> (848)	37 <sup>1</sup> / <sub>4</sub> (895)							14 (356)	18 <sup>1</sup> / <sub>4</sub>	5
215					24 <sup>1</sup> / <sub>8</sub> (613)	9 <sup>1</sup> / <sub>4</sub> (235)	9 <sup>1</sup> / <sub>4</sub> (235)	(222)		42 <sup>1</sup> / <sub>8</sub> (1070)	42 <sup>1</sup> / <sub>8</sub> (1070)	9 <sup>1</sup> / <sub>2</sub>	8	7 <sup>7</sup> / <sub>8</sub>	10 <sup>5</sup> / <sub>8</sub>	12	7 <sup>7</sup> / <sub>8</sub>	17 (432)	(464)	(127)
254	16 <sup>3</sup> / <sub>4</sub>	33 <sup>1</sup> / <sub>2</sub>	8 <sup>1</sup> / <sub>4</sub>	10	23 <sup>5</sup> / <sub>8</sub> (600)					41 <sup>5</sup> / <sub>8</sub> (1057)	41 <sup>5</sup> / <sub>8</sub> (1057)	(241)	(203)	(22)	(27					

### Series A-C 1500 - Selection Charts



# Series A-C 1500 - Selection Charts (continued)



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