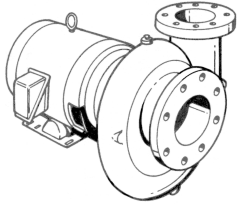


<b>JOB:</b>   <b>UNIT TAG:</b> <b>ENGINEER:</b> <b>CONTRACTOR:</b>	<b>REPRESENTATIVE:</b>   <b>ORDER NO.:</b> <b>SUBMITTED BY:</b> <b>APPROVED BY:</b>	<b>DATE:</b> <b>DATE:</b> <b>DATE:</b>
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## 2-1/2 AB

### Series 1531

#### Close-Coupled Centrifugal Pumps

**SPECIFICATIONS**

FLOW \_\_\_\_\_ HEAD \_\_\_\_\_

HP \_\_\_\_\_ RPM \_\_\_\_\_

VOLTS \_\_\_\_\_

CYCLE \_\_\_\_\_ PHASE \_\_\_\_\_

ENCLOSURE \_\_\_\_\_

APPROX. WEIGHT \_\_\_\_\_

SPECIALS \_\_\_\_\_

**MATERIALS OF CONSTRUCTION**

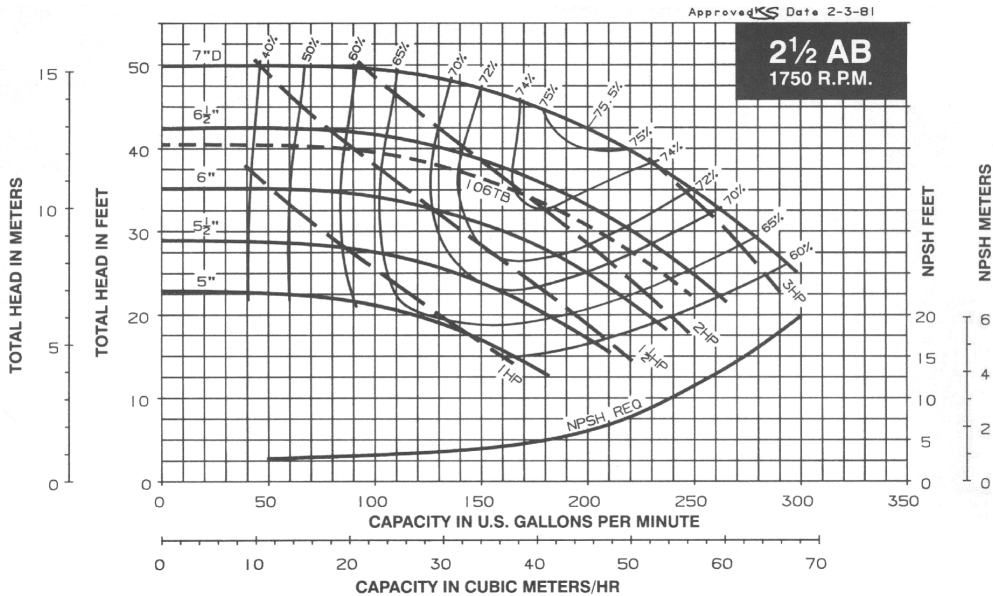
- BRONZE FITTED     ALL IRON
- ALL BRONZE †
- †All bronze not available in stuffing box configuration

**MAXIMUM WORKING PRESSURE**

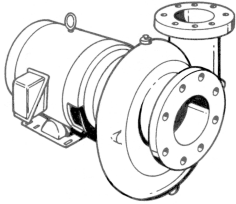
- 175 psi (12 bar) W.P.  
w/ 125# ANSI flange drilling

**TYPE OF SEAL**

- 1531 Standard Seal (Buna-Carbon/Ceramic)
- 1531 -F Standard Seal w/ Flush Line (Buna-Carbon/Ceramic)
- 1531 -S Stuffing Box construction w/ Flushed Mechanical Single Seal (EPR-Tungsten Carbide/Carbon)
- 1531 -D Stuffing Box construction w/ Flushed Double Mechanical Seal (EPR-Carbon/Ceramic) Requires external water source
- 1531 -PF Stuffing Box Construction w/ Flushed Packing (Graphite Impregnated Teflon)



<p><b>JOB:</b></p>  <p><b>UNIT TAG:</b></p> <p><b>ENGINEER:</b></p> <p><b>CONTRACTOR:</b></p>	<p><b>REPRESENTATIVE:</b></p>  <p><b>ORDER NO.</b></p> <p><b>SUBMITTED BY:</b></p> <p><b>APPROVED BY:</b></p>	<p><b>DATE:</b></p> <p><b>DATE:</b></p> <p><b>DATE:</b></p>
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# 2-1/2 AB

## Series 1531

### Close-Coupled Centrifugal Pumps

**SPECIFICATIONS**

FLOW \_\_\_\_\_ HEAD \_\_\_\_\_

HP \_\_\_\_\_ RPM \_\_\_\_\_

VOLTS \_\_\_\_\_

CYCLE \_\_\_\_\_ PHASE \_\_\_\_\_

ENCLOSURE \_\_\_\_\_

APPROX. WEIGHT \_\_\_\_\_

SPECIALS \_\_\_\_\_

**MATERIALS OF CONSTRUCTION**

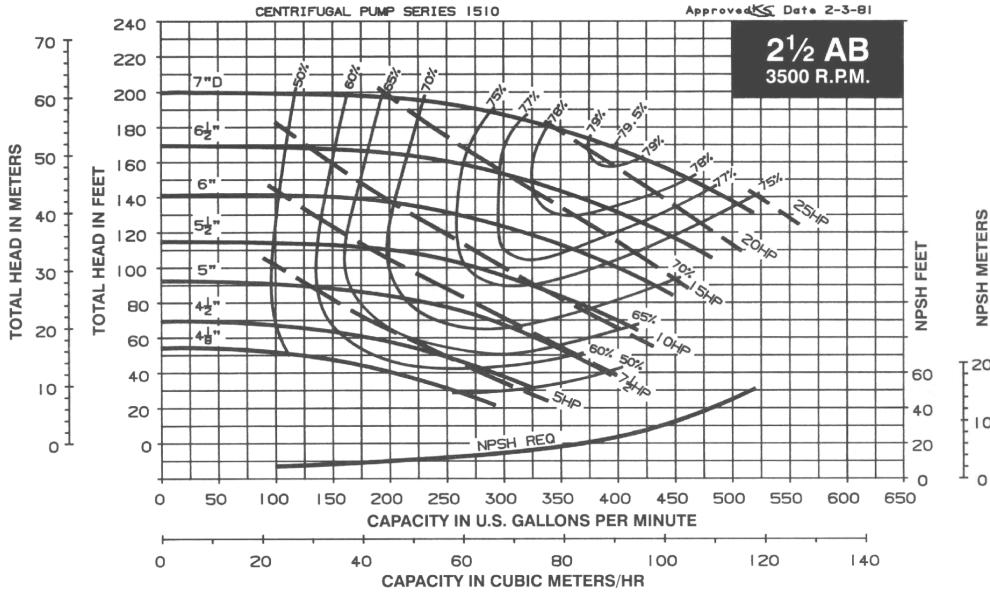
- BRONZE FITTED     ALL IRON
- ALL BRONZE †
- †All bronze not available in stuffing box configuration

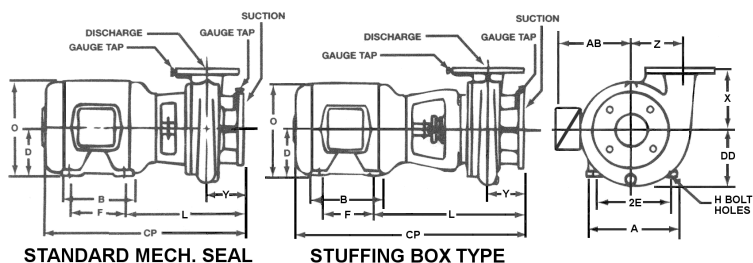
**MAXIMUM WORKING PRESSURE**

- 175 psi (12 bar) W.P.  
w/ 125# ANSI flange drilling

**TYPE OF SEAL**

- 1531 Standard Seal (Buna-Carbon/Ceramic)
- 1531 -F Standard Seal w/ Flush Line (Buna-Carbon/Ceramic)
- 1531 -S Stuffing Box construction w/ Flushed Mechanical Single Seal (EPR-Tungsten Carbide/Carbon)
- 1531 -D Stuffing Box construction w/ Flushed Double Mechanical Seal (EPR-Carbon/Ceramic) Requires external water source
- 1531 -PF Stuffing Box Construction w/ Flushed Packing (Graphite Impregnated Teflon)





SIZE OF PUMP AND DISCHARGE	SUCTION	PUMP DIMENSIONS IN INCHES (MM)			
		DD	X	Y	Z
2-1/2AB	3	5-13/16 (148)	6 (153)	4-1/2 (108)	4-11/16 (119)

125# ANSI FLANGE DIMENSIONS - INCHES (MM)				
PIPE SIZE OF FLANGE	O.D. OF FLANGE	DIA. OF BOLT CIRCLE	NO. OF BOLTS	SIZE OF BOLTS
2-1/2	7 (178)	5-1/2 (140)	4	5/8 (16)
3	7-1/2 (190)	6 (152)	4	5/8 (16)

DIMENSIONS – Inches (mm)

STANDARD SEAL 1531, 1531-F

MOTOR FRAME	A (Max)	AB (Max)	B (Max)	CP (Max)	D	2E	F	H	L	O (Max)
143JM	7 (178)	7 (178)	6 (152)	20-1/8 (511)	3-1/2 (89)	5-1/2 (140)	4 (102)	13/32 (10)	11-15/16 (303)	7-1/4 (184)
145JM	7 (178)	7 (178)	6 (152)	20-1/8 (511)	3-1/2 (89)	5-1/2 (140)	5 (127)	13/32 (10)	11-15/16 (303)	7-1/4 (184)
182JM	9 (229)	8-1/2 (216)	6-1/2 (165)	23 (584)	4-1/2 (114)	7-1/2 (190)	4-1/2 (114)	13/32 (10)	12-11/16 (322)	9-3/8 (238)
184JM	9 (229)	8-1/2 (216)	7-1/2 (190)	23 (584)	4-1/2 (114)	7-1/2 (190)	5-1/2 (140)	13/32 (10)	12-11/16 (322)	9-3/8 (238)
213JM	10-1/2 (267)	10-3/4 (273)	7-1/2 (190)	25-1/4 (641)	5-1/4 (133)	8-1/2 (216)	5-1/2 (140)	13/32 (10)	13-9/16 (344)	11-1/8 (283)
215JM	10-1/2 (267)	10-3/4 (273)	9 (229)	26-3/4 (679)	5-1/4 (133)	8-1/2 (216)	7 (178)	13/32 (10)	13-9/16 (344)	11-1/8 (283)
254JP	12-1/2 (318)	10-3/4 (273)	10-3/4 (273)	33-1/2 (851)	6-1/4 (159)	10 (254)	8-1/4 (210)	17/32 (13)	17-15/16 (456)	13-1/8 (333)
256JP	12-1/2 (318)	10-3/4 (273)	12-1/2 (318)	35-1/4 (895)	6-1/4 (159)	10 (254)	10 (254)	17/32 (13)	17-15/16 (456)	13-1/8 (333)

STUFFING BOX 1531-PF, 1531-S, 1531-D

MOTOR FRAME	A (Max)	AB (Max)	B (Max)	CP (Max)	D	2E	F	H	L	O (Max)
143JP	7 (178)	7 (178)	6 (152)	23-3/4 (591)	3-1/2 (89)	5-1/2 (140)	4 (102)	13/32 (10)	15-1/16 (383)	7-1/4 (184)
145JP	7 (178)	7 (178)	6 (152)	23-3/4 (591)	3-1/2 (89)	5-1/2 (140)	5 (127)	13/32 (10)	15-1/16 (383)	7-1/4 (184)
182JP	9 (229)	8-1/2 (216)	6-1/2 (165)	26-1/8 (664)	4-1/2 (114)	7-1/2 (190)	4-1/2 (114)	13/32 (10)	15-13/16 (402)	9-3/8 (238)
184JP	9 (229)	8-1/2 (216)	7-1/2 (190)	26-1/8 (664)	4-1/2 (114)	7-1/2 (190)	5-1/2 (140)	13/32 (10)	15-13/16 (402)	9-3/8 (238)
213JP	10-1/2 (267)	10-3/4 (273)	7-1/2 (190)	29-1/8 (740)	5-1/4 (133)	8-1/2 (216)	5-1/2 (140)	13/32 (10)	17-7/16 (443)	11-1/8 (283)
215JP	10-1/2 (267)	10-3/4 (273)	9 (229)	30-5/8 (778)	5-1/4 (133)	8-1/2 (216)	7 (178)	13/32 (10)	17-7/16 (443)	11-1/8 (283)
254JP	12-1/2 (318)	10-3/4 (273)	10-3/4 (273)	33-1/2 (851)	6-1/4 (159)	10 (254)	8-1/4 (210)	17/32 (13)	17-15/16 (456)	13-1/8 (333)
256JP	12-1/2 (318)	10-3/4 (273)	12-1/2 (318)	35-1/4 (895)	6-1/4 (159)	10 (254)	10 (254)	17/32 (13)	17-15/16 (456)	13-1/8 (333)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

Xylem Inc.  
 8200 N. Austin Avenue  
 Morton Grove, IL 60053  
 Phone: (847)966-3700  
 Fax: (847)965-8379  
 www.bellgossett.com

