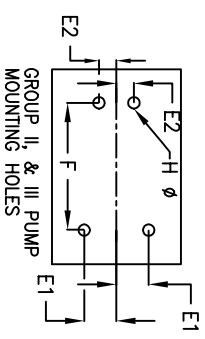
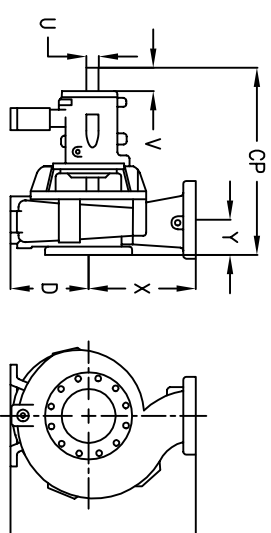
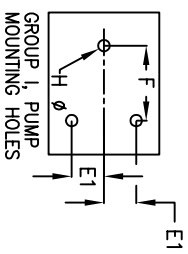
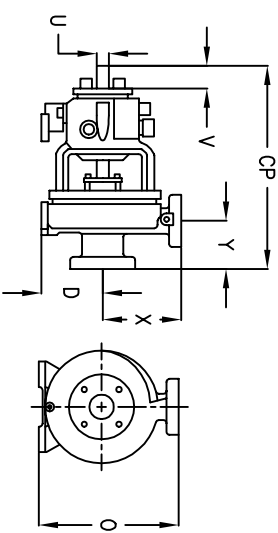


460 SERIES OSD ANSI PROCESS END SUCTION PUMP ONLY

			PUMP SIZE															
ANSI DESIG.	MODEL	PUMP GROUP	DISCH	SUCT	CASE BORE	X	O	D	E1	E2	CP	F	H	U			V MIN.	Y
														DA	KEYWAY			
	1J1x1½LF-4	GP I	1	1.5	4	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.188	4.000	
AA	1L1x1½-6		1	1.5	6	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000	
AB	1L1½x3-6		1.5	3	6	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000	
A10	1L2x3-6		2	3	6	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000	
	1L1x1½LF-8		1	1.5	8	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.188	4.000	
AA	1L1x1½-8		1	1.5	8	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000	
	1L1½x3-8		1.5	3	8	7.500	14.500	7.000	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000	
A60	2L2x3-8		2	3	8	9.500	17.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A70	2L3x4-8		3	4	8	11.000	19.250	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.750	4.000	
	2L1x2LF-10		1	2LF	10	8.500	16.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A05	2L1x2-10A	GP II	1	2	10A	8.500	16.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A50	2L1½x3-10A		1.5	3	10A	8.500	16.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A60	2L2x3-10A		2	3	10A	9.500	17.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A70	2L3x4-10		3	4	10	11.000	19.250	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A70	2L3x4-10H		3	4	10H	12.500	22.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A80	2L4x6-10		4	6	10	13.500	23.500	10.000	4.875	3.625	23.500	12.500	0.625	1.500	0.375 x 0.188	2.625	4.000	
A80	2L4x6-10H		4	6	10H	13.500	23.500	10.000	4.875	3.625	23.500	12.500	0.625	1.500	0.375 x 0.188	2.625	4.000	
A80	2L4x6-10H		4	6	10H	13.500	23.500	10.000	4.875	3.625	23.500	12.500	0.625	1.500	0.375 x 0.188	2.625	4.000	
	2L1½x3LF-13		1.5	3LF	13	10.500	20.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.750	4.000	
A20	2L1½x3-13		1.5	3	13	10.500	20.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A30	2L2x3-13	2	3	13	11.500	21.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000		
A40	2L3x4-13	3	4	13	12.500	22.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000		
A40	2L3x4-13HH	3	4	13HH	12.500	22.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000		
A80	2L4x6-13A	4	6	13A	13.500	23.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000		
A90	3L6x8-14	GP III	6	8	14	16.000	30.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000	
A100	3L8x10-14		8	10	14	18.000	32.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000	
	3L4x6-16		4	6	16	16.000	30.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000	
A110	3L6x8-16A		6	8	16A	18.000	32.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000	
A120	3L8x10-16		8	10	16	19.000	33.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000	
A120	3L8x10-16H		8	10	16H	19.000	33.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000	
	3L8x10-17		8	10	17	20.000	34.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000	

* ALL DIMENSIONS ARE IN INCHES AND ± 0.375.

* NOT FOR CONSTRUCTION UNLESS CERTIFIED BY ENGINEERING.



OSD - 1L PROCESS PUMP

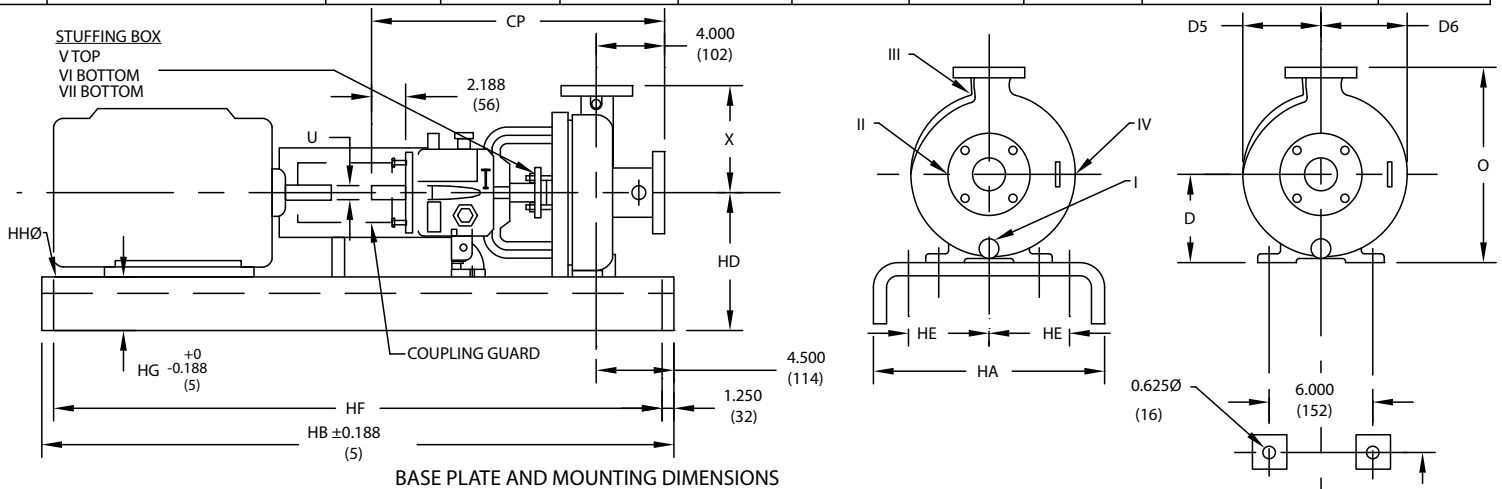


A WILO BRAND

SUPPLIMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 300 FF ☐ SPECIAL CLASS 150 FF ☐ CLASS 300 FF ☐ SPECIAL BASEPLATE STEEL ☐ SPECIAL ☐ ☐ ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CONN.	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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PUMP DIMENSIONS (ANSI B73.1)

PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs.(kg.)	CP	D	D5	D6	O	U		X
							SHAFT Ø	KEY WAY	
1L 1x1-1/2-6	97 (44)	17.500 (445)	5.250 (133)	5.313 (135)	5.313 (135)	11.750 (298)	0.875 (22)	0.188 x 1.000 (4.8 x 2.4)	6.500 (165)
1L 1-1/2x3-6	112 (51)								
1L 2x3-6	116 (53)								
1L 1x1-1/2-8	103 (47)								



	BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)	HHØ	WEIGHT lbs(kg.)
	139	184T	15.000 (381)	39.000 (991)	9.000 (229)	4.500 (114)	36.500 (927)	3.750 (95)	0.750 (19)	111 (50)
	148	215T	18.000 (457)	48.000 (1219)	9.500 (241)	6.000 (152)	45.500 (1156)	4.125 (105)		163 (74)
		256T			10.500 (267)					
	153	286T	21.000 (533)	53.000 (1346)	11.875 (302)	7.500 (191)	50.500 (1283)	4.750 (121)		212 (96)
		326TS			12.875 (327)					

1. DIMENSIONS IN PARENTHESIS () ARE IN MILLIMETRES.
2. INSTALLATION DIMENSIONS ARE $\pm 1/8$ - (3) UNLESS OTHERWISE NOTED.
3. "HG" DIM. APPLIES TO THE LOWER PAD HEIGHT. WITH SOME BASES THIS WILL OCCUR AT PUMP END WITH OTHERS AT MOTOR END.

CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	

WARNING

DO NOT OPERATE THIS MACHINE WITHOUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.

OSD - 1L PROCESS PUMP

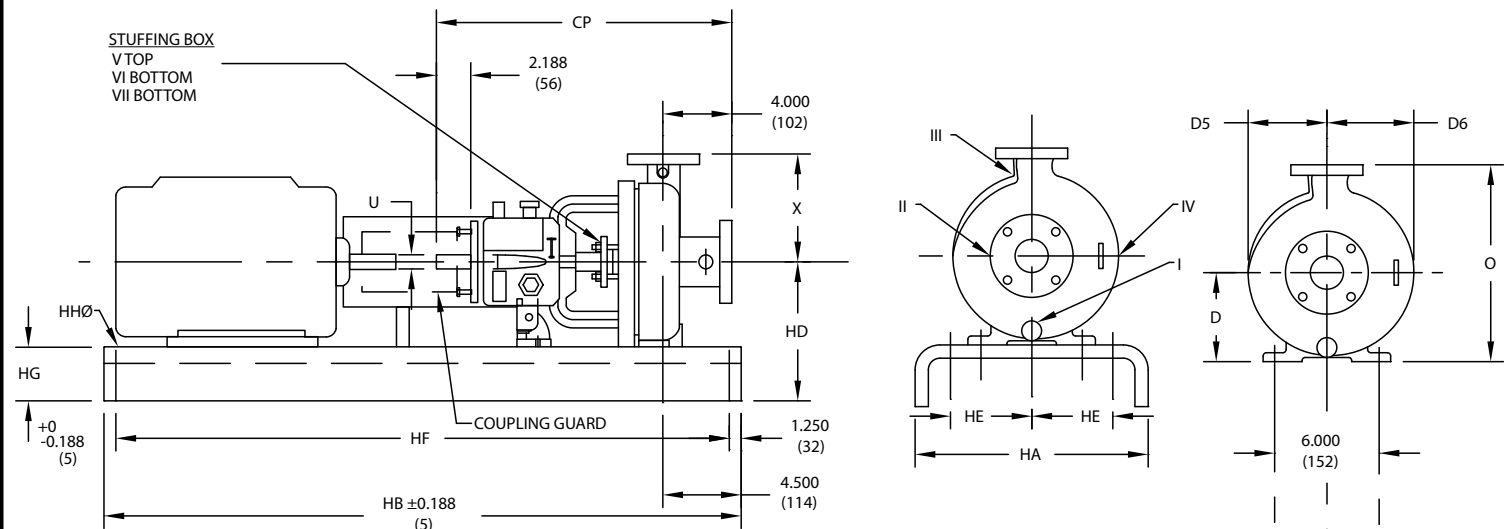


A WILO BRAND

SUPPLIMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 300 FF ☐ SPECIAL CLASS 150 FF ☐ CLASS 300 FF ☐ SPECIAL BASEPLATE STEEL ☐ SPECIAL ☐ ☐ ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CONN.	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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PUMP DIMENSIONS (ANSI B73.1)

PUMP SIZE INLET x OUTLET x MAX IMP DIA	PUMP WT lbs.(kg.)	CP	D	D5	D6	O	U		X
							SHAFT Ø	KEY WAY	
1L 1-1/2x3-8	124 (56)	17.500 (445)	7.000 (178)	5.313 (135)	5.875 (149)	14.500 (369)	0.875 (22)	0.188 x 1.000 (4.8 x 2.4)	7.500 (191)



BASE PLATE AND MOUNTING DIMENSIONS

	BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)	HHØ	WEIGHT lbs(kg.)
	139	184T	15.000 (381)	39.000 (991)	10.750 (273)	4.500 (114)	36.500 (927)	3.750 (95)	0.750 (19)	111 (50)
	148	256T	18.000 (457)	48.000 (1219)	9.500 (241)	5.984 (152)	45.500 (1156)	4.125 (105)		163 (74)
	153	286T	21.000 (533)	53.000 (1346)	11.875 (302)	7.516 (191)	50.500 (1283)	4.750 (121)		212 (96)
		326TS			12.875 (327)					

1. DIMENSIONS IN PARENTHESIS () ARE IN MILLIMETRES.

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3. "HG" DIM. APPLIES TO THE LOWER PAD HEIGHT. WITH SOME BASES THIS WILL OCCUR AT PUMP END WITH OTHERS AT MOTOR END.

CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
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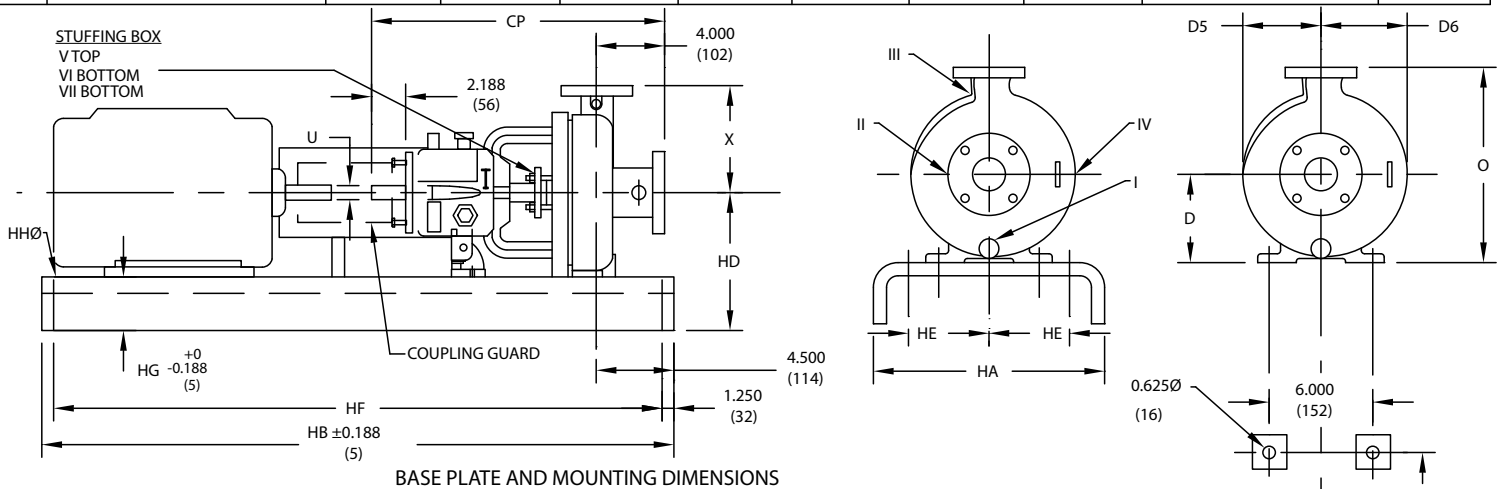


A WILO BRAND

SUPPLIMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 300 FF ☐ SPECIAL CLASS 150 FF ☐ CLASS 300 FF ☐ SPECIAL BASEPLATE STEEL ☐ SPECIAL ☐ ☐ ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CONN.	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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PUMP DIMENSIONS (ANSI B73.1)

PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs.(kg.)	CP	D	D5	D6	O	U		X
							SHAFT Ø	KEY WAY	
1L 1x1-1/2-6	97 (44)	17.500 (445)	5.250 (133)	5.313 (135)	5.313 (135)	11.750 (298)	0.875 (22)	0.188 x 1.000 (4.8 x 2.4)	6.500 (165)
1L 1-1/2x3-6	112 (51)								
1L 2x3-6	116 (53)								
1L 1x1-1/2-8	103 (47)								



	BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)	HHØ	WEIGHT lbs(kg.)
	139	184T	15.000 (381)	39.000 (991)	9.000 (229)	4.500 (114)	36.500 (927)	3.750 (95)	0.750 (19)	111 (50)
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**BARE PUMP
MOUNTING
DIMENSIONS**

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JOB NAME					TAG NAME	
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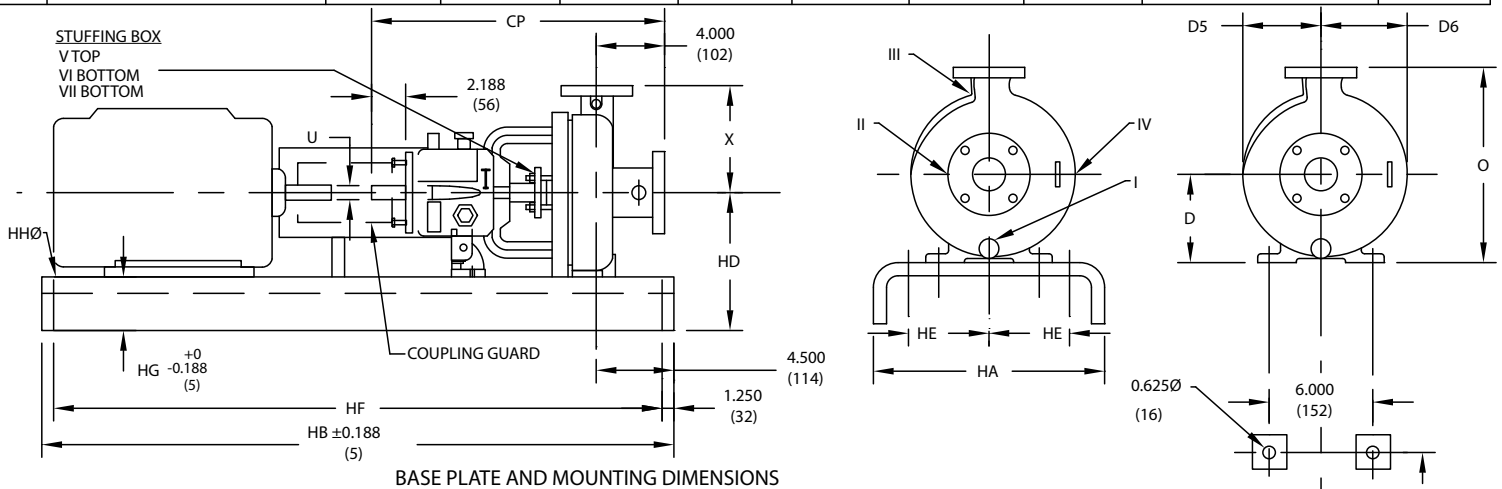


A WILO BRAND

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CUSTOMER					P.O. NO.	
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MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	

WARNING

DO NOT OPERATE THIS MACHINE WITHOUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.

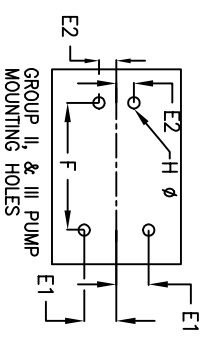
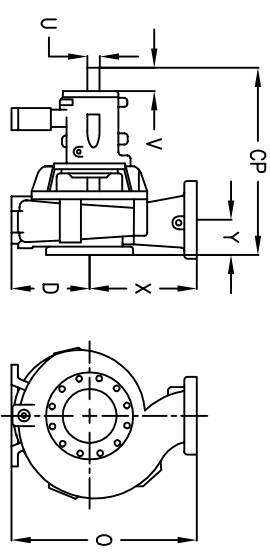
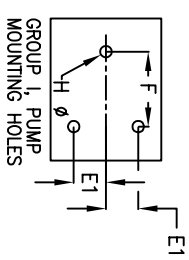
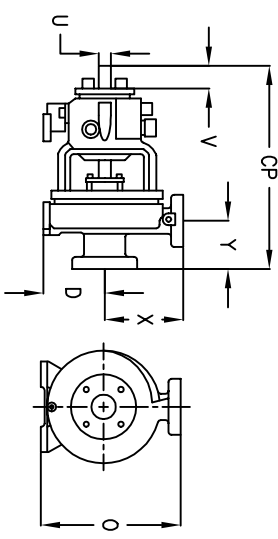


460 SERIES OSD ANSI PROCESS END SUCTION PUMP ONLY

			PUMP SIZE															
ANSI DESIG.	MODEL	PUMP GROUP	DISCH	SUCT	CASE BORE	X	O	D	E1	E2	CP	F	H	U			V MIN.	Y
														DA	KEYWAY			
	1J1x1½F-4		1	1.5	4	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.188	4.000	
AA	1L1x1½-6		1	1.5	6	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000	
AB	1L1½x3-6		1.5	3	6	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000	
A10	1L2x3-6		GP I	2	3	6	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000
	1L1x1½F-8	1L	1	1.5	8	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.188	4.000	
AA	1L1x1½-8		1	1.5	8	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000	
	1L1½x3-8		1.5	3	8	7.500	14.500	7.000	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000	
A60	2L2x3-8		2	3	8	9.500	17.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A70	2L3x4-8		3	4	8	11.000	19.250	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.750	4.000	
	2L1x2LF-10		1	2LF	10	8.500	16.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A05	2L1x2-10A		1	2	10A	8.500	16.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A50	2L1½x3-10A		1.5	3	10A	8.500	16.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A60	2L2x3-10A		2	3	10A	9.500	17.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A70	2L3x4-10		3	4	10	11.000	19.250	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A70	2L3x4-10H		3	4	10H	12.500	22.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A80	2L4x6-10		GP II	4	6	10	13.500	23.500	10.000	4.875	3.625	23.500	12.500	0.625	1.500	0.375 x 0.188	2.625	4.000
A80	2L4x6-10H	2L	4	6	10H	13.500	23.500	10.000	4.875	3.625	23.500	12.500	0.625	1.500	0.375 x 0.188	2.625	4.000	
	2L1½x3LF-13		1.5	3LF	13	10.500	20.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.750	4.000	
A20	2L1½x3-13		1.5	3	13	10.500	20.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A30	2L2x3-13		2	3	13	11.500	21.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A40	2L3x4-13		3	4	13	12.500	22.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A40	2L3x4-13HH		3	4	13HH	12.500	22.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A80	2L4x6-13A		4	6	13A	13.500	23.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
A90	3L6x8-14		6	8	14	16.000	30.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000	
A100	3L8x10-14	GP III	8	10	14	18.000	32.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000	
	3L4x6-16		4	6	16	16.000	30.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000	
A110	3L6x8-16A		6	8	16A	18.000	32.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000	
A120	3L8x10-16		8	10	16	19.000	33.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000	
A120	3L8x10-16H	3L	8	10	16H	19.000	33.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000	
	3L8x10-17		8	10	17	20.000	34.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000	

* ALL DIMENSIONS ARE IN INCHES AND ± 0.375.

* NOT FOR CONSTRUCTION UNLESS CERTIFIED BY ENGINEERING.



OSD - 1L PROCESS PUMP

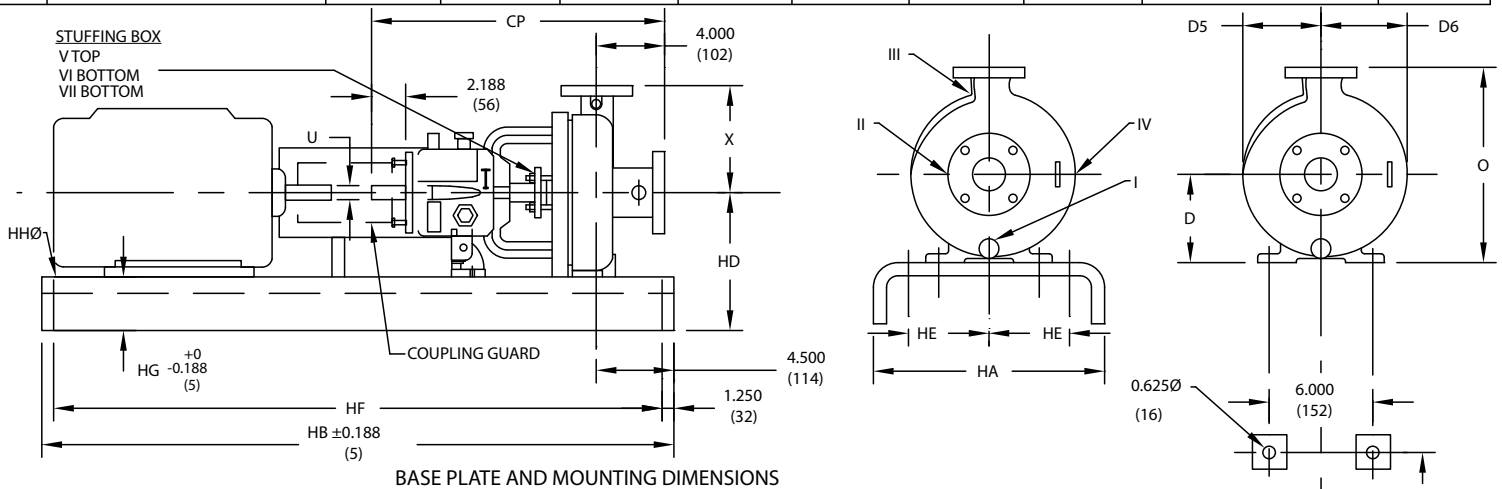


A WILO BRAND

SUPPLIMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 300 FF ☐ SPECIAL ☐ CLASS 150 FF ☐ CLASS 300 FF ☐ SPECIAL ☐ BASEPLATE STEEL ☐ SPECIAL ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">TAP</th> <th style="width:10%;">REQ'D SIZE</th> <th></th> </tr> <tr><td>I</td><td></td><td>CASING DRAIN</td></tr> <tr><td>II</td><td></td><td>SUCTION NOZZLE CONN.</td></tr> <tr><td>III</td><td></td><td>DISCHARGE NOZZLE CONN.</td></tr> <tr><td>IV</td><td></td><td>AUXILIARY CONN.</td></tr> <tr><td>V</td><td></td><td>STUFFING BOX</td></tr> <tr><td>VI</td><td></td><td>BACK DRILLED SEAL FLUSH CONN.</td></tr> <tr><td>VII</td><td></td><td>BOTTOM TAP IN STUFFING BOX</td></tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CONN.	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
TAP	REQ'D SIZE																									
I		CASING DRAIN																								
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VII		BOTTOM TAP IN STUFFING BOX																								

PUMP DIMENSIONS (ANSI B73.1)

PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs.(kg.)	CP	D	D5	D6	O	U		X
							SHAFT Ø	KEY WAY	
1L 1x1-1/2-6	97 (44)	17.500 (445)	5.250 (133)	5.313 (135)	5.313 (135)	11.750 (298)	0.875 (22)	0.188 x 1.000 (4.8 x 2.4)	6.500 (165)
1L 1-1/2x3-6	112 (51)								
1L 2x3-6	116 (53)								
1L 1x1-1/2-8	103 (47)								



BASE PLATE AND MOUNTING DIMENSIONS

	BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)	HHØ	WEIGHT lbs(kg.)
	139	184T	15.000 (381)	39.000 (991)	9.000 (229)	4.500 (114)	36.500 (927)	3.750 (95)	0.750 (19)	111 (50)
	148	215T	18.000 (457)	48.000 (1219)	9.500 (241)	6.000 (152)	45.500 (1156)	4.125 (105)		163 (74)
		256T			10.500 (267)					
	153	286T	21.000 (533)	53.000 (1346)	11.875 (302)	7.500 (191)	50.500 (1283)	4.750 (121)		212 (96)
		326TS			12.875 (327)					

BARE PUMP
MOUNTING
DIMENSIONS

- DIMENSIONS IN PARENTHESIS () ARE IN MILLIMETRES.
- INSTALLATION DIMENSIONS ARE $\pm 1/8$ - (3) UNLESS OTHERWISE NOTED.
- "HG" DIM. APPLIES TO THE LOWER PAD HEIGHT. WITH SOME BASES THIS WILL OCCUR AT PUMP END WITH OTHERS AT MOTOR END.

CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	

WARNING

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SUPPLIMENT DRAWINGS
ATTACHED WHEN LISTED BELOW

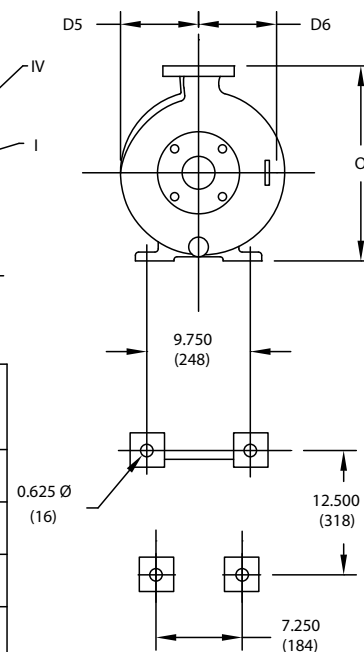
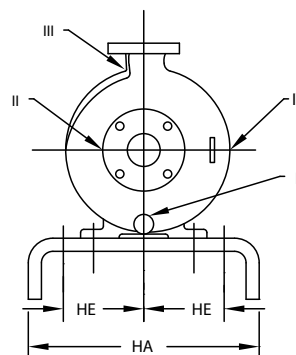
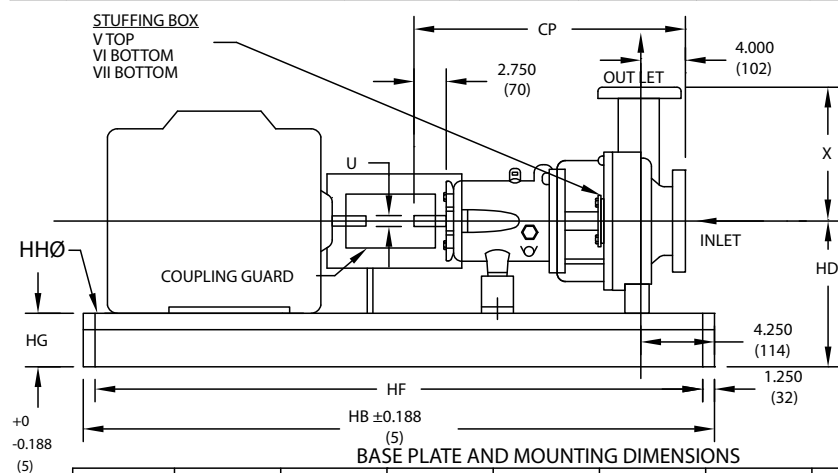
CLASS 150 FF	STD	CLASS 150 FF	
CLASS 300 FF		CLASS 300 FF	
SPECIAL			

STEEL _____

SPECIAL _____

TAP	REQ'D SIZE	
I		CASING DRAIN
II		SUCTION NOZZLE CONN.
III		DISCHARGE NOZZLE CONN.
IV		AUXILIARY CONN.
V		STUFFING BOX
VI		BACK DRILLED SELF FLUSH CONN.
VII		BOTTOM TAP IN STUFFING BOX

	PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs(kg.)	CP	D	D5	D6	O	U		X
								SHAFT Ø	KEY WAY	
	2L 1x2-10A	210 (95)	23.500 (597)	8.250 (210)	6.750 (171)	6.750 (171)	16.750 (425)	1.125 (29)	0.250 x 0.125 (6 x 3)	8.500 (216)
	2L 1-1/2x3-10A	220 (100)			9.438 (214)					
	2L 2x3-10A	226 (103)			11.000 (279)					
	2L 3x4-10A	225 (102)								



5)	BASE PERFORMING MOUNTING DIMENSIONS								HHØ	WEIGHT lbs.(kg.)
	BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)		
	245	184T	15.000 (381)	45.000 (1143)	12.000 (305)	4.500 (114)	42.500 (1080)	3.750 (95)	0.750 (19)	129 (59)
	252	215T	18.000 (457)	52.000 (1321)	12.375 (314)	6 (152)	49.500 (1257)	4.125 (105)		177 (80)
	258	286T	21.000 (533)	58.000 (1473)	13.000 (330)	7.500 (191)	55.500 (1410)	4.750 (121)	1.000 (25)	234 (106)
	264	326T	22.000 (559)	64.000 (1626)	13.000 (330)		61.500 (1562)			409 (186)
		365T			13.125 (352)	481 (219)				
	268	405TS	26.000 (660)	68.000 (1727)	14.875 (378)	9.500 (241)	65.500 (1664)			
	280	449TS		80.000 (2032)	15.875 (403)		77.500 (1969)	481 (219)		

2. INSTALLATION DIMENSIONS ARE $\pm 1/8$ - (3) UNLESS OTHERWISE NOTED

CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	



**DO NOT OPERATE THIS MACHINE
WITHOUT PROTECTIVE GUARD IN
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OSD - 1L PROCESS PUMP

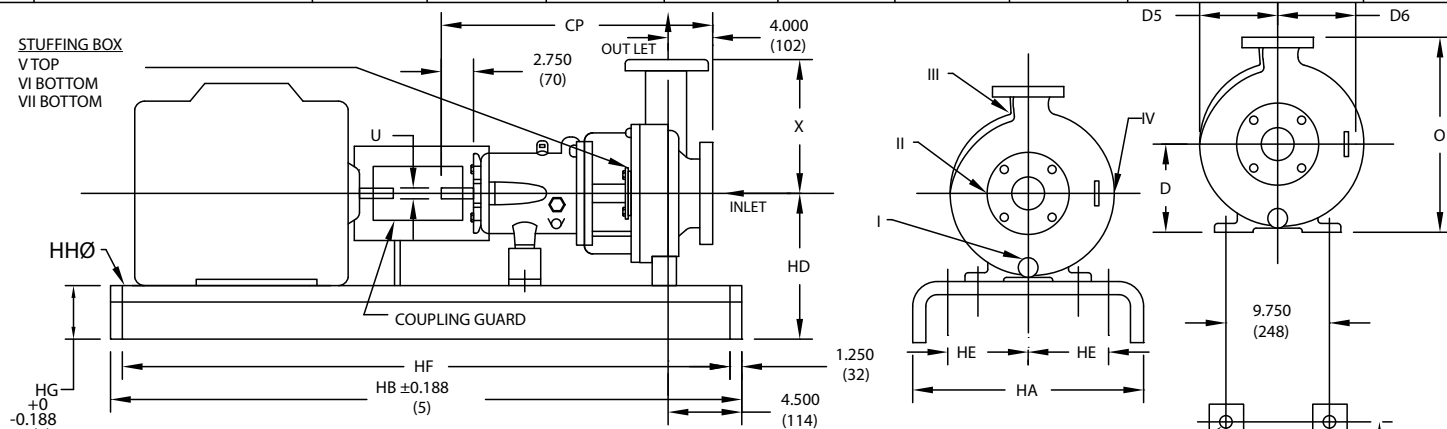


A WILO BRAND

SUPPLIMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 300 FF ☐ SPECIAL ☐ BASEPLATE STEEL ☐ SPECIAL ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CONN.	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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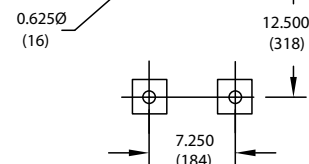
PUMP DIMENSIONS (ANSI B73.1)

	PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs(kg.)	CP	D	D5	D6	O	U		X	
								SHAFT Ø	KEY WAY		
	2L 1-1/2x3-13	250 (113)	23.500 (597)	10.000 (254)	8.250 (210)	8.250 (210)	20.500 (521)	1.125 (29)	0.250 x 0.125 (6 x 3)	10.500 (267)	
	2L 2x3-13	258 (117)				8.750 (222)	21.500 (546)			11.500 (292)	
	2L 3x4-13	281 (127)			8.625 (219)	9.438 (240)	22.500 (572)			12.500 (318)	
	2L 3x4-13HH	281 (127)									
	2L 4x6-13A	324 (147)			8.875 (225)	10.250 (260)	23.500 (597)			13.500 (343)	



BASE PLATE AND MOUNTING DIMENSIONS

BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)	HHØ	WEIGHT lbs(kg.)
245	184T	15.000 (381)	45.000 (1143)	13.750 (349)	4.500 (114)	42.500 (1080)	3.750 (95)	0.750 (19)	129 (59)
252	215T	18.000 (457)	52.000 (1321)	14.125 (359)	6.000 (152)	49.500 (1257)	4.125 (105)		177 (80)
258	286T	21.000 (533)	58.000 (1473)	14.750 (375)	7.500 (191)	55.500 (1410)	4.750 (121)	1.000 (25)	234 (106)
264	365T	22.000 (559)	64.000 (1626)			61.500 (1562)			328 (149)
268	405TS	26.000 (660)	68.000 (1727)	14.875 (378)	9.500 (241)	65.500 (1664)			409 (186)
280	449TS		80.000 (2032)	15.875 (403)		77.500 (1969)			481 (219)



**BARE PUMP
MOUNTING
DIMENSIONS**

1. DIMENSIONS IN PARENTHESIS () ARE IN MILLIMETRES.

2. INSTALLATION DIMENSIONS ARE ± 1/8 - (3) UNLESS OTHERWISE NOTED.

3. "HG" DIM. APPLIES TO THE LOWER PAD HEIGHT. WITH SOME BASES

THIS WILL OCCUR AT PUMP END WITH OTHERS AT MOTOR END.

CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	

⚠ WARNING

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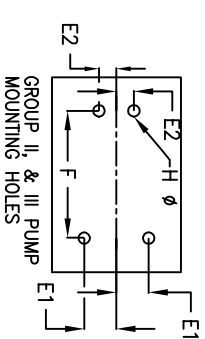
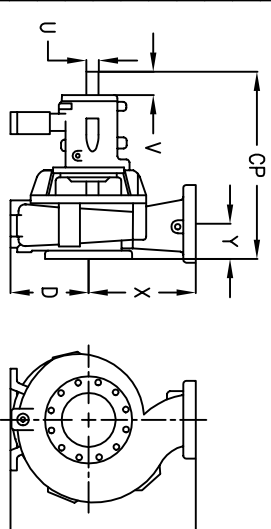
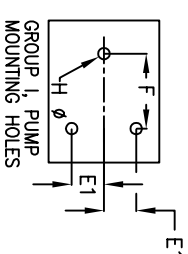
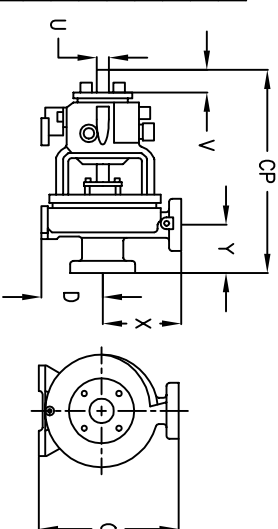
AMERICAN-MARSH PUMPS

A WILLO BRAND

460 SERIES OSD ANSI PROCESS END SUCTION PUMP ONLY

PUMP SIZE																		
ANSI DESIG.	MODEL	PUMP GROUP	DISCH	SUCT	CASE BORE	X	O	D	E1	E2	CP	F	H	U			V MIN.	Y
														DA.	KEYWAY			
AA	1J1x1½LF-4	GP I	1	1.5	4	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.188	4.000	
	1		1.5	6	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000		
	1.5		3	6	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000		
	2		3	6	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000		
	1		1.5	8	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.188	4.000		
	1		1.5	8	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000		
	1.5		3	8	7.500	14.500	7.000	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000		
	2		3	8	9.500	17.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000		
	3		4	8	11.000	19.250	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.750	4.000		
	2LF		10	8.500	16.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000			
A05	2L1x2LF-10A	GP II	1	2	10A	8.500	16.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
	1		3	10A	8.500	16.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000		
	1.5		3	10A	8.500	16.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000		
	2		3	10A	9.500	17.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000		
	2		3	10A	9.500	17.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000		
	3		4	10	11.000	19.250	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000		
	3		4	10H	12.500	22.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000		
	4		6	10	13.500	23.500	10.000	4.875	3.625	23.500	12.500	0.625	1.500	0.375 x 0.188	2.625	4.000		
	4		6	10H	13.500	23.500	10.000	4.875	3.625	23.500	12.500	0.625	1.500	0.375 x 0.188	2.625	4.000		
	2LF		13	10.500	20.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.750	4.000			
A20	2L1½x3LF-13	GP II	1.5	3	13	10.500	20.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000	
	2		3	13	11.500	21.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000		
	2		3	13	11.500	21.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000		
	3		4	13	12.500	22.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000		
	3		4	13HH	12.500	22.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000		
	4		6	13A	13.500	23.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000		
	6		8	14	16.000	30.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000		
	8		10	14	18.000	32.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000		
	4		6	16	16.000	30.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000		
	6		8	16A	18.000	32.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000		
A110	3L6x8-16A	GP III	6	8	16A	18.000	32.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000	
	8		10	16	19.000	33.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000		
	8		10	16H	19.000	33.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000		
	8		10	16H	19.000	33.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000		
	8		10	16H	19.000	33.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000		
	8		10	16H	19.000	33.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000		
	8		10	16H	19.000	33.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000		
	8		10	16H	19.000	33.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000		
	8		10	16H	19.000	33.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000		
	8		10	16H	19.000	33.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000		

* ALL DIMENSIONS ARE IN INCHES AND ± 0.375.
* NOT FOR CONSTRUCTION UNLESS CERTIFIED BY ENGINEERING.



OSD-2L PROCESS PUMP

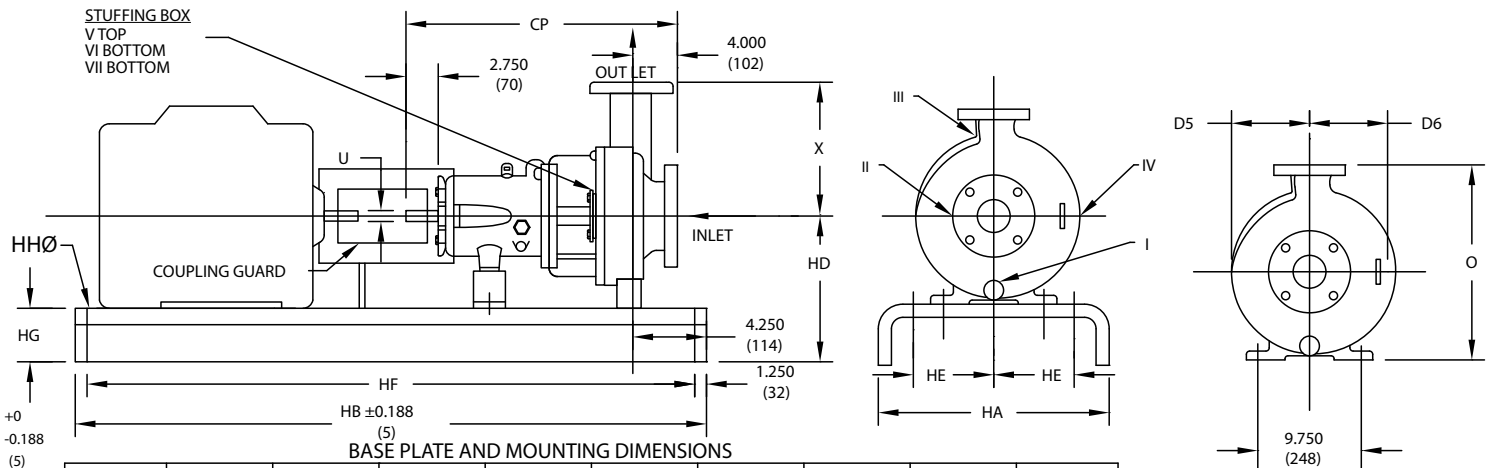


A WILO BRAND

SUPPLIMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 300 FF ☐ SPECIAL CLASS 150 FF ☐ CLASS 300 FF ☐ SPECIAL BASEPLATE STEEL ☐ SPECIAL ☐ ☐ ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SELF FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CONN.	V		STUFFING BOX	VI		BACK DRILLED SELF FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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PUMP DIMENSIONS (ANSI B73.1)

PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs(kg.)	CP	D	D5	D6	O	U		X
							SHAFT Ø	KEY WAY	
2L 1x2-10A	210 (95)	23.500 (597)	8.250 (210)	6.750 (171)	6.750 (171)	16.750 (425)	1.125 (29)	0.250 x 0.125 (6 x 3)	8.500 (216)
2L 1-1/2x3-10A	220 (100)			6.875 (175)	6.875 (175)	17.750 (451)			9.438 (214)
2L 2x3-10A	226 (103)			6.750 (171)	7.500 (191)	19.250 (489)			11.000 (279)
2L 3x4-10A	225 (102)								



BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)	HHØ	WEIGHT lbs(kg.)
245	184T	15.000 (381)	45.000 (1143)	12.000 (305)	4.500 (114)	42.500 (1080)	3.750 (95)	0.750 (19)	129 (59)
252	215T	18.000 (457)	52.000 (1321)	12.375 (314)	6 (152)	49.500 (1257)	4.125 (105)		177 (80)
258	286T	21.000 (533)	58.000 (1473)	13.000 (330)	7.500 (191)	55.500 (1410)	4.750 (121)	1.000 (25)	234 (106)
264	326T	22.000 (559)	64.000 (1626)	13.000 (330)		61.500 (1562)			328 (149)
	365T			13.125 (332)					
268	405TS	26.000 (660)	68.000 (1727)	14.875 (378)	9.500 (241)	65.500 (1664)			409 (186)
280	449TS		80.000 (2032)	15.875 (403)		77.500 (1969)			481 (219)

1. DIMENSIONS IN PARENTHESIS () ARE IN MILLIMETRES.
2. INSTALLATION DIMENSIONS ARE ± 1/8 - (3) UNLESS OTHERWISE NOTED
3. "HG" DIM. APPLIES TO THE LOWER PAD HEIGHT. WITH SOME BASES THIS WILL OCCUR AT PUMP END WITH OTHERS AT MOTOR END.

CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	

WARNING

DO NOT OPERATE THIS MACHINE WITHOUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.



AMERICAN-MARSH PUMPS

A WILLO BRAND

460 SERIES OSD ANSI PROCESS END SUCTION PUMP ONLY

			PUMP SIZE																	
ANSI DESIG.	MODEL	PUMP GROUP	DISCH	SUCT	CASE BORE														V MIN.	Y
						X	0	D	E1	E2	CP	F	H	U						
															DA	KEYWAY				
	1J1x1½LF-4	GP I	1	1.5	4	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.188	4.000			
AA	1L1x1½-6		1	1.5	6	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000			
AB	1L1½x3-6		1.5	3	6	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000			
A10	1L2x3-6		2	3	6	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000			
	1L1x1½LF-8	1L	1	1.5	8	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.188	4.000			
AA	1L1x1½-8		1	1.5	8	6.500	11.750	5.250	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000			
	1L1½x3-8		1.5	3	8	7.500	14.500	7.000	3.000	0.000	17.500	7.250	0.625	0.875	0.188 x 0.094	2.000	4.000			
A60	2L2x3-8		2	3	8	9.500	17.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000			
A70	2L3x4-8	GP II	3	4	8	11.000	19.250	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.750	4.000			
	2L1x2LF-10		1	2LF	10	8.500	16.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000			
A05	2L1x2-10A		1	2	10A	8.500	16.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000			
A50	2L1½x3-10A		1.5	3	10A	8.500	16.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000			
A60	2L2x3-10A	GP II	2	3	10A	9.500	17.750	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000			
A70	2L3x4-10		3	4	10	11.000	19.250	8.250	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000			
A70	2L3x4-10H		3	4	10H	12.500	22.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000			
A80	2L4x6-10		4	6	10	13.500	23.500	10.000	4.875	3.625	23.500	12.500	0.625	1.500	0.375 x 0.188	2.625	4.000			
A80	2L4x6-10H	2L	4	6	10H	13.500	23.500	10.000	4.875	3.625	23.500	12.500	0.625	1.500	0.375 x 0.188	2.625	4.000			
	2L1½x3LF-13		1.5	3LF	13	10.500	20.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.750	4.000			
A20	2L1½x3-13		1.5	3	13	10.500	20.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000			
A30	2L2x3-13		2	3	13	11.500	21.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000			
A40	2L3x4-13	GP III	3	4	13	12.500	22.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000			
A40	2L3x4-13HH		3	4	13HH	12.500	22.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000			
A80	2L4x6-13A		4	6	13A	13.500	23.500	10.000	4.875	3.625	23.500	12.500	0.625	1.125	0.250 x 0.125	2.625	4.000			
A90	3L6x8-14		6	8	14	16.000	30.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000			
A100	3L8x10-14	GP III	8	10	14	18.000	32.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000			
	3L4x6-16		4	6	16	16.000	30.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000			
A110	3L6x8-16A		6	8	16A	18.000	32.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000			
A120	3L8x10-16		8	10	16	19.000	33.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000			
A120	3L8x10-16H	3L	8	10	16H	19.000	33.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000			
	3L8x10-17		8	10	17	20.000	34.500	14.500	8.000	4.500	33.875	18.750	0.875	2.375	0.625 x 0.313	4.000	6.000			

OSD - 2L PROCESS PUMP

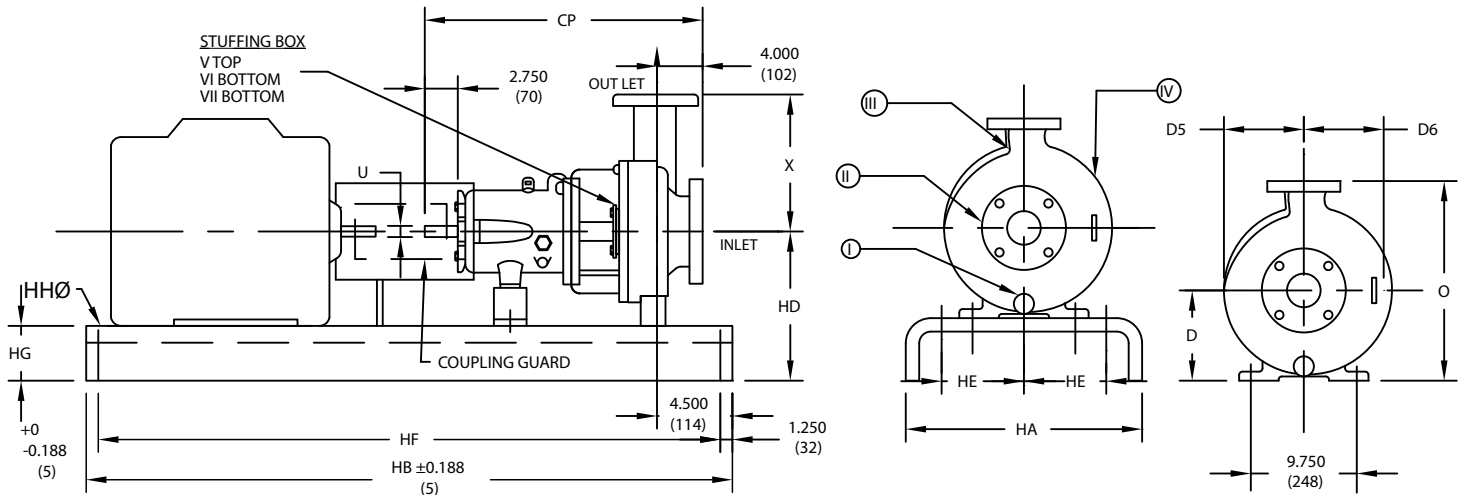


A WILO BRAND

SUPPLIMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 300 FF ☐ SPECIAL CLASS 150 FF ☐ CLASS 300 FF ☐ SPECIAL BASEPLATE STEEL ☐ SPECIAL ☐ ☐ ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CONN.	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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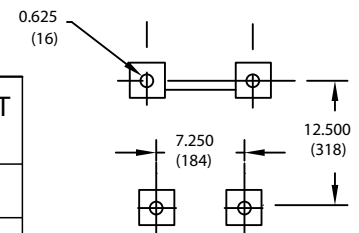
PUMP DIMENSIONS (ANSI B73.1)

PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs(kg.)	CP	D	D5	D6	O	U		X
							SHAFTØ	KEY WAY	
2L 2x3-8	200 (91)	23.500 (597)	8.250 (210)	5.500 (140)	6.000 (154)	17.750 (451)	1.125 (29)	0.250 x 0.125 (6 x 3)	9.500 (241)
2L 3x4-8	227 (103)			5.688 (144)	6.688 (170)	19.250 (489)			11.000 (279)



BASE PLATE AND MOUNTING DIMENSIONS

	BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE3)	HHØ	WEIGHT lbs(kg.)
	245	184T	15.000 (381)	45.000 (1143)	12.000 (305)	4.500 (114)	42.500 (1080)	3.750 (95)	0.750 (19)	129 (59)
	252	215T	18.000 (457)	52.000 (1321)	12.375 (314)	6.000 (152)	49.500 (1257)	4.125 (105)		177 (80)
	258	286T	20.988 (533)	58.000 (1473)	13.000 (330)	7.500 (191)	55.500 (1410)	4.750 (121)	1.000 (25)	234 (106)
	264	326T	22.000 (559)	64.000 (1626)	13.000 (330)		61.500 (1562)			328 (149)
		365T			13.875 (352)					409 (186)
	268	405TS	25.988 (660)	68.000 (1727)	14.875 (378)	9.500 (241)	65.500 (1664)			481 (219)
	280	449TS		80.000 (2032)	15.875 (403)		77.500 (1969)			



BARE PUMP MOUNTING DIMENSIONS

- DIMENSIONS IN PARENTHESIS () ARE IN MILLIMETRES.
- INSTALLATION DIMENSIONS ARE $\pm 1/8 - (3)$ UNLESS OTHERWISE NOTED.
- "HG" DIM. APPLIES TO THE LOWER PAD HEIGHT. WITH SOME BASES THIS WILL OCCUR AT PUMP END WITH OTHERS AT MOTOR END.

CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	

WARNING

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OSD-2L PROCESS PUMP

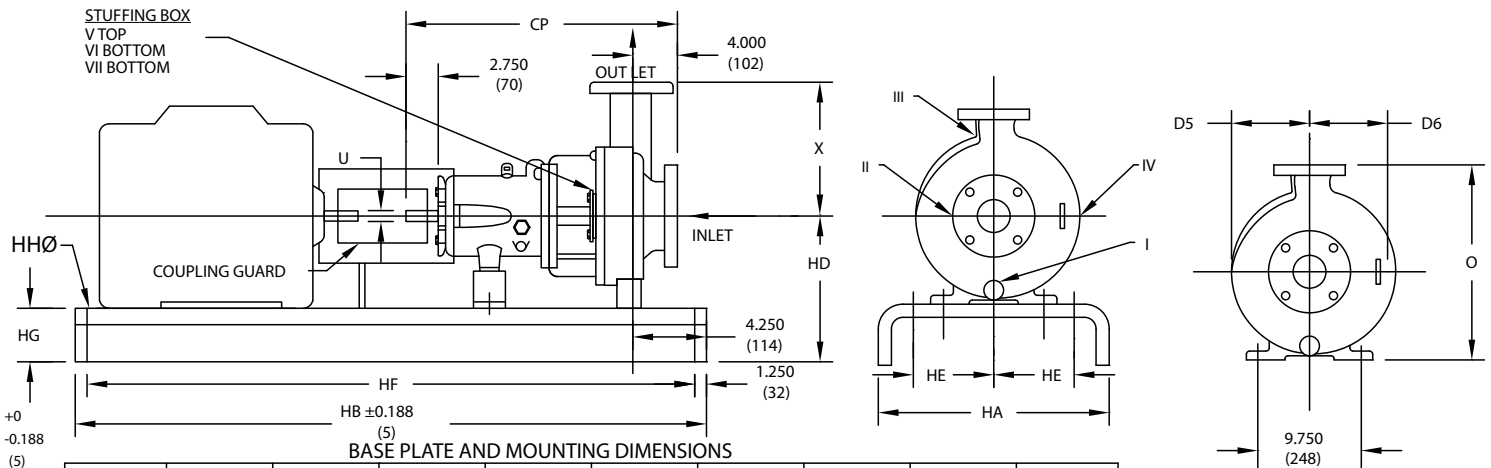


A WILO BRAND

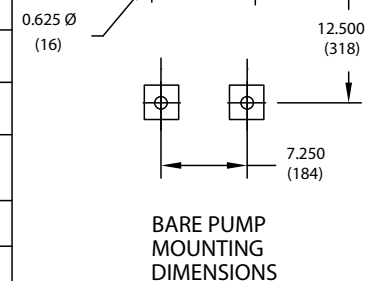
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VII		BOTTOM TAP IN STUFFING BOX																								

PUMP DIMENSIONS (ANSI B73.1)

PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs(kg.)	CP	D	D5	D6	O	U		X
							SHAFT Ø	KEY WAY	
2L 1x2-10A	210 (95)	23.500 (597)	8.250 (210)	6.750 (171)	6.750 (171)	16.750 (425)	1.125 (29)	0.250 x 0.125 (6 x 3)	8.500 (216)
2L 1-1/2x3-10A	220 (100)			6.875 (175)	6.875 (175)	17.750 (451)			9.438 (214)
2L 2x3-10A	226 (103)			6.750 (171)	7.500 (191)	19.250 (489)			11.000 (279)
2L 3x4-10A	225 (102)								



BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)	HHØ	WEIGHT lbs(kg.)
245	184T	15.000 (381)	45.000 (1143)	12.000 (305)	4.500 (114)	42.500 (1080)	3.750 (95)	0.750 (19)	129 (59)
252	215T	18.000 (457)	52.000 (1321)	12.375 (314)	6 (152)	49.500 (1257)	4.125 (105)		177 (80)
258	286T	21.000 (533)	58.000 (1473)	13.000 (330)	7.500 (191)	55.500 (1410)	4.750 (121)	1.000 (25)	234 (106)
264	326T	22.000 (559)	64.000 (1626)	13.000 (330)		61.500 (1562)			328 (149)
	365T			13.125 (332)					
268	405TS	26.000 (660)	68.000 (1727)	14.875 (378)	9.500 (241)	65.500 (1664)			409 (186)
280	449TS		80.000 (2032)	15.875 (403)		77.500 (1969)			481 (219)



- DIMENSIONS IN PARENTHESIS () ARE IN MILLIMETRES.
- INSTALLATION DIMENSIONS ARE $\pm 1/8$ - (3) UNLESS OTHERWISE NOTED
- "HG" DIM. APPLIES TO THE LOWER PAD HEIGHT. WITH SOME BASES THIS WILL OCCUR AT PUMP END WITH OTHERS AT MOTOR END.

CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	

WARNING

DO NOT OPERATE THIS MACHINE WITHOUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.

OSD - 1L PROCESS PUMP

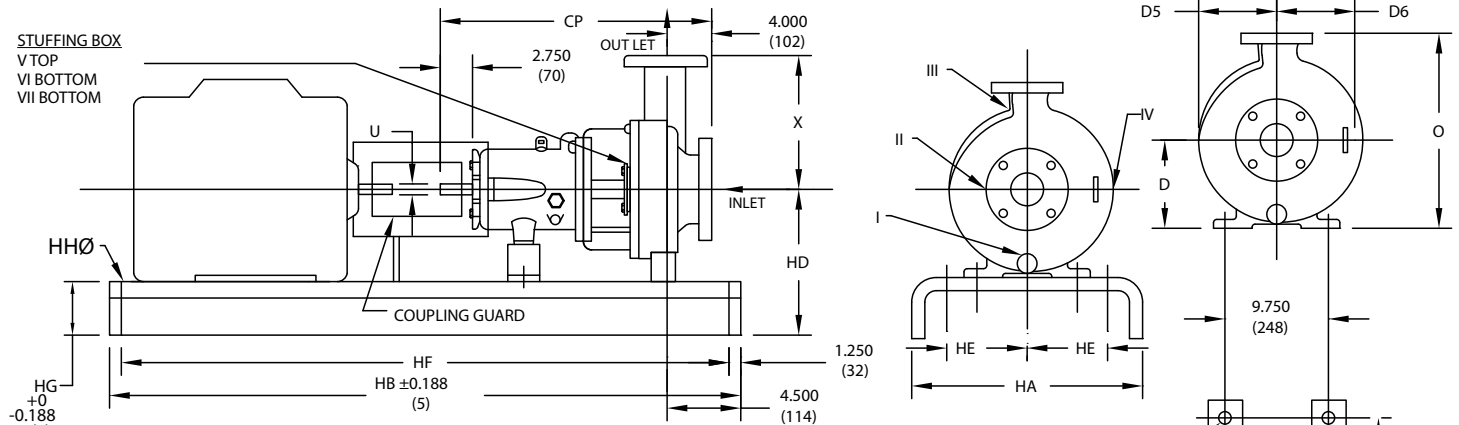


A WILO BRAND

SUPPLIMENT DRAWINGS ATTACHED WHEN LISTED BELOW _____ _____ _____ _____ _____	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 300 FF ☐ SPECIAL _____ BASEPLATE STEEL ☐ SPECIAL ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CONN.	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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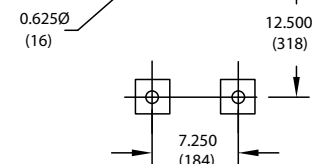
PUMP DIMENSIONS (ANSI B73.1)

	PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs(kg.)	CP	D	D5	D6	O	U		X	
								SHAFT Ø	KEY WAY		
	2L 1-1/2x3-13	250 (113)	23.500 (597)	10.000 (254)	8.250 (210)	8.250 (210)	20.500 (521)	1.125 (29)	0.250 x 0.125 (6 x 3)	10.500 (267)	
	2L 2x3-13	258 (117)				8.750 (222)	21.500 (546)			11.500 (292)	
	2L 3x4-13	281 (127)			8.625 (219)	9.438 (240)	22.500 (572)			12.500 (318)	
	2L 3x4-13HH	281 (127)									
	2L 4x6-13A	324 (147)			8.875 (225)	10.250 (260)	23.500 (597)			13.500 (343)	



BASE PLATE AND MOUNTING DIMENSIONS

BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)	HHØ	WEIGHT lbs(kg.)
245	184T	15.000 (381)	45.000 (1143)	13.750 (349)	4.500 (114)	42.500 (1080)	3.750 (95)	0.750 (19)	129 (59)
252	215T	18.000 (457)	52.000 (1321)	14.125 (359)	6.000 (152)	49.500 (1257)	4.125 (105)		177 (80)
258	286T	21.000 (533)	58.000 (1473)	14.750 (375)	7.500 (191)	55.500 (1410)	4.750 (121)	1.000 (25)	234 (106)
264	365T	22.000 (559)	64.000 (1626)			61.500 (1562)			328 (149)
268	405TS	26.000 (660)	68.000 (1727)	14.875 (378)	9.500 (241)	65.500 (1664)			409 (186)
280	449TS		80.000 (2032)	15.875 (403)		77.500 (1969)			481 (219)



**BARE PUMP
MOUNTING
DIMENSIONS**

1. DIMENSIONS IN PARENTHESIS () ARE IN MILLIMETRES.

2. INSTALLATION DIMENSIONS ARE ± 1/8 - (3) UNLESS OTHERWISE NOTED.

3. "HG" DIM. APPLIES TO THE LOWER PAD HEIGHT. WITH SOME BASES

THIS WILL OCCUR AT PUMP END WITH OTHERS AT MOTOR END.

CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	

WARNING

DO NOT OPERATE THIS MACHINE WITHOUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.

OSD - 2L PROCESS PUMP

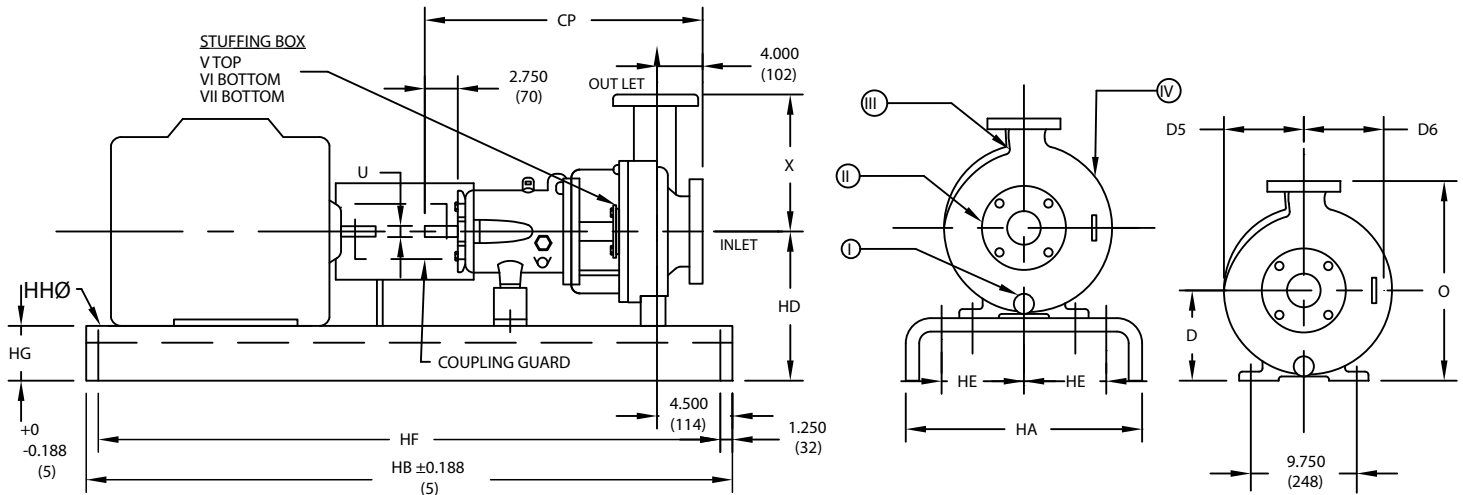


A WILO BRAND

SUPPLIMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 300 FF ☐ SPECIAL _____ CLASS 150 FF ☐ CLASS 300 FF ☐ SPECIAL _____ BASEPLATE STEEL ☐ SPECIAL ☐ _____ _____	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CONN.	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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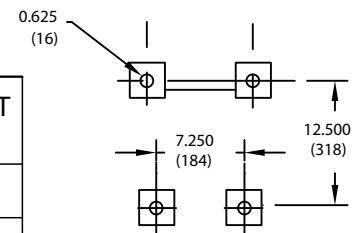
PUMP DIMENSIONS (ANSI B73.1)

PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs(kg.)	CP	D	D5	D6	O	U		X
							SHAFTØ	KEY WAY	
2L 2x3-8	200 (91)	23.500 (597)	8.250 (210)	5.500 (140)	6.000 (154)	17.750 (451)	1.125 (29)	0.250 x 0.125 (6 x 3)	9.500 (241)
2L 3x4-8	227 (103)			5.688 (144)	6.688 (170)	19.250 (489)			11.000 (279)



BASE PLATE AND MOUNTING DIMENSIONS

	BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE3)	HHØ	WEIGHT lbs(kg.)
	245	184T	15.000 (381)	45.000 (1143)	12.000 (305)	4.500 (114)	42.500 (1080)	3.750 (95)	0.750 (19)	129 (59)
	252	215T	18.000 (457)	52.000 (1321)	12.375 (314)	6.000 (152)	49.500 (1257)	4.125 (105)		177 (80)
	258	286T	20.988 (533)	58.000 (1473)	13.000 (330)	7.500 (191)	55.500 (1410)	4.750 (121)	1.000 (25)	234 (106)
	264	326T	22.000 (559)	64.000 (1626)	13.000 (330)		61.500 (1562)			328 (149)
		365T			13.875 (352)					409 (186)
	268	405TS	25.988 (660)	68.000 (1727)	14.875 (378)	9.500 (241)	65.500 (1664)			481 (219)
	280	449TS		80.000 (2032)	15.875 (403)		77.500 (1969)			



BARE PUMP MOUNTING DIMENSIONS

- DIMENSIONS IN PARENTHESIS () ARE IN MILLIMETRES.
- INSTALLATION DIMENSIONS ARE $\pm 1/8 - (3)$ UNLESS OTHERWISE NOTED.
- "HG" DIM. APPLIES TO THE LOWER PAD HEIGHT. WITH SOME BASES THIS WILL OCCUR AT PUMP END WITH OTHERS AT MOTOR END.

CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	

WARNING

DO NOT OPERATE THIS MACHINE WITHOUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.

OSD-2L PROCESS PUMP

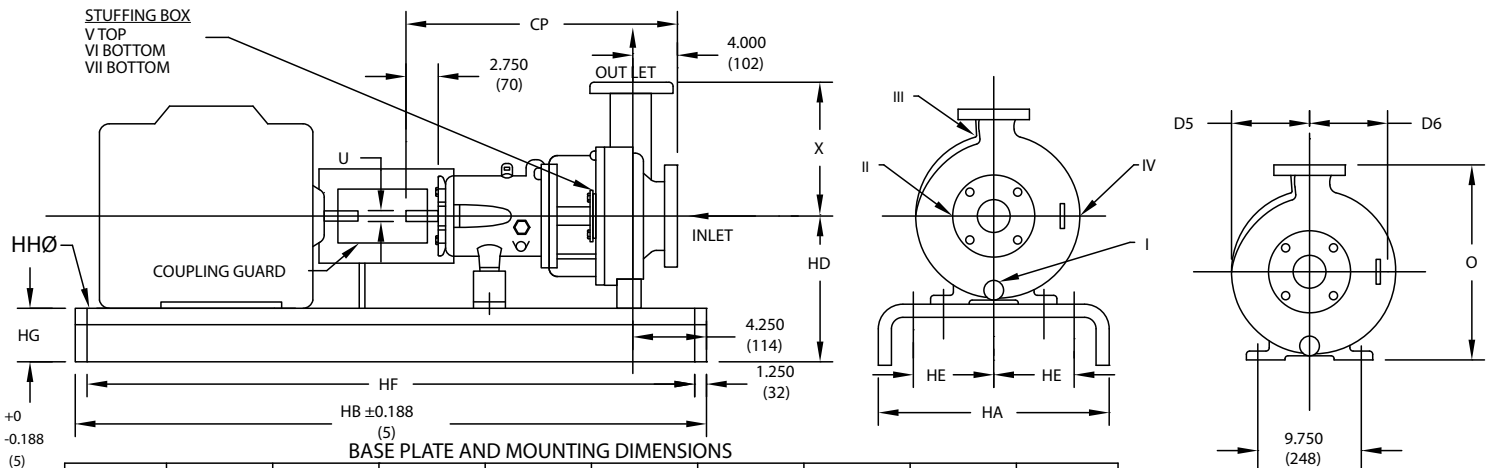


A WILO BRAND

SUPPLIMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 300 FF ☐ SPECIAL CLASS 150 FF ☐ CLASS 300 FF ☐ SPECIAL BASEPLATE STEEL ☐ SPECIAL ☐ ☐ ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SELF FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CONN.	V		STUFFING BOX	VI		BACK DRILLED SELF FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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PUMP DIMENSIONS (ANSI B73.1)

PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs(kg.)	CP	D	D5	D6	O	U		X
							SHAFT Ø	KEY WAY	
2L 1x2-10A	210 (95)	23.500 (597)	8.250 (210)	6.750 (171)	6.750 (171)	16.750 (425)	1.125 (29)	0.250 x 0.125 (6 x 3)	8.500 (216)
2L 1-1/2x3-10A	220 (100)			6.875 (175)	6.875 (175)	17.750 (451)			9.438 (214)
2L 2x3-10A	226 (103)			6.750 (171)	7.500 (191)	19.250 (489)			11.000 (279)
2L 3x4-10A	225 (102)								



BASE PLATE AND MOUNTING DIMENSIONS

BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)	HHØ	WEIGHT lbs(kg.)
245	184T	15.000 (381)	45.000 (1143)	12.000 (305)	4.500 (114)	42.500 (1080)	3.750 (95)	0.750 (19)	129 (59)
252	215T	18.000 (457)	52.000 (1321)	12.375 (314)	6 (152)	49.500 (1257)	4.125 (105)		177 (80)
258	286T	21.000 (533)	58.000 (1473)	13.000 (330)	7.500 (191)	55.500 (1410)	4.750 (121)	1.000 (25)	234 (106)
264	326T	22.000 (559)	64.000 (1626)	13.000 (330)		61.500 (1562)			328 (149)
	365T			13.125 (352)					409 (186)
268	405TS	26.000 (660)	68.000 (1727)	14.875 (378)	9.500 (241)	65.500 (1664)			481 (219)
280	449TS		80.000 (2032)	15.875 (403)		77.500 (1969)			

1. DIMENSIONS IN PARENTHESIS () ARE IN MILLIMETRES.

2. INSTALLATION DIMENSIONS ARE ± 1/8 - (3) UNLESS OTHERWISE NOTED

3. "HG" DIM. APPLIES TO THE LOWER PAD HEIGHT. WITH SOME BASES THIS WILL OCCUR AT PUMP END WITH OTHERS AT MOTOR END.

CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	

WARNING

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OSD - 1L PROCESS PUMP

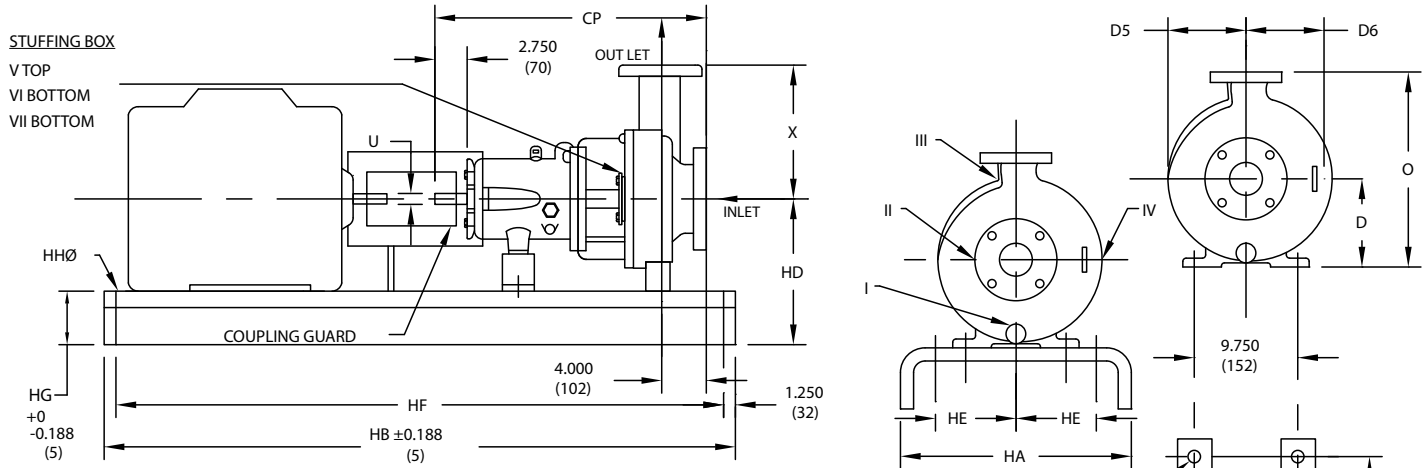


A WILO BRAND

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 300 FF ☐ SPECIAL ☐ CLASS 150 FF ☐ CLASS 300 FF ☐ SPECIAL ☐ BASEPLATE STEEL ☐ SPECIAL ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CINN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CINN.	V		STUFFING BOX	VI		BACK DRILLED FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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PUMP DIMENSIONS (ANSI B73.1)

PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs(kg.)	CP	D	D5	D6	O	U		X
							SHAFT Ø	KEY WAY	
2L 3x4-10H	250 (113)	23.500 (597)	8.250 (210)	7.500 (191)	8.375 (213)	22.500 (572)	1.125 (29)	0.250 x 0.125 (16 x 31)	12.500 (318)
2L 4x6-10	290 (132)			7.438 (189)	9.125 (232)	23.500 (597)	1.500 (39)	0.375 x 0.188 (10 x 51)	13.500 (343)
2L 4x6-10H	328 (149)			8.125 (206)	9.875 (251)		1.125 (29)	0.250 x 0.125 (6 x 3)	



BASE PLATE AND MOUNTING DIMENSIONS

BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)	HHØ	WEIGHT lbs(kg.)
245	184T	15.000 (381)	45.000 (1143)	13.750 (349)	4.500 (114)	42.500 (1080)	3.750 (95)	0.750 (19)	129 (59)
252	215T	18.000 (457)	52.000 (1321)	14.125 (359)	6.000 (152)	49.500 (1257)	4.125 (105)		177 (80)
258	286T	21.000 (533)	58.000 (1473)	14.750 (375)	7.500 (191)	55.500 (1410)	4.750 (121)	1.000 (25)	234 (106)
264	365T	22.000 (559)	64.000 (1626)			61.500 (1562)			328 (149)
268	405TS	26.000 (660)	68.000 (1727)	9.500 (241)	65.500 (1664)	77.500 (1969)			409 (186)
280	449TS		80.000 (2032)						481 (219)

BARE PUMP
MOUNTING
DIMENSIONS

1. DIMENSIONS IN PARENTHESIS (inch) ARE IN MILLIMETRES.
 2. INSTALLATION DIMENSIONS ARE ± 1/8 - (3) UNLESS OTHERWISE NOTED.
 3. "HG" DIM. APPLIES TO THE LOWER PAD HEIGHT. WITH SOME BASES THIS WILL OCCUR AT PUMP END WITH OTHERS AT MOTOR END.

CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	

WARNING

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OSD - 1L PROCESS PUMP

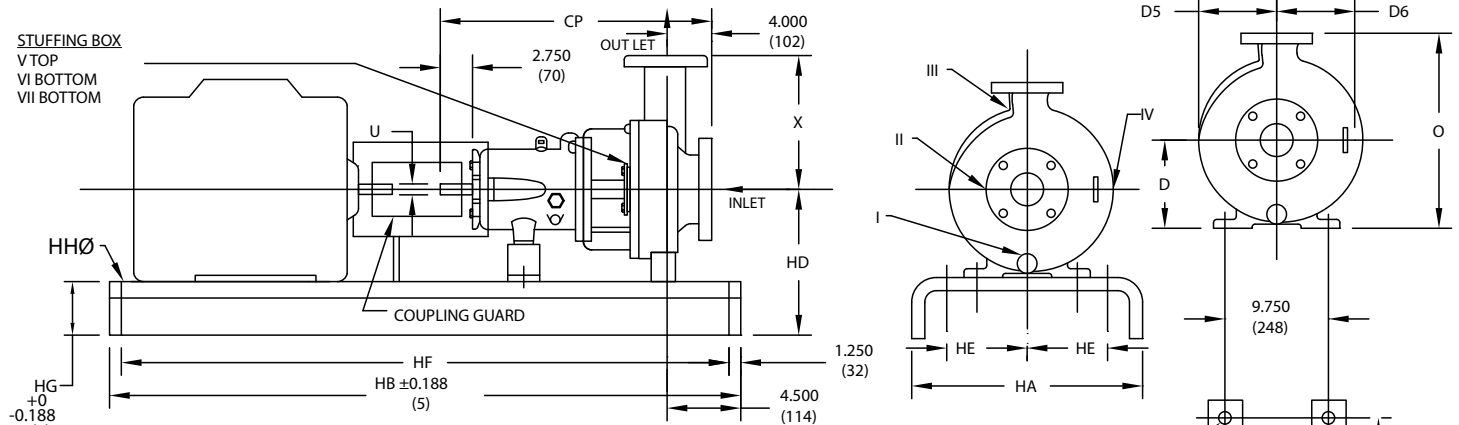


A WILO BRAND

SUPPLIMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 300 FF ☐ SPECIAL ☐ BASEPLATE STEEL ☐ SPECIAL ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CONN.	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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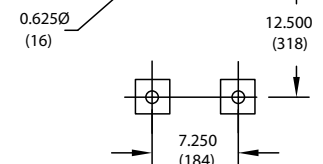
PUMP DIMENSIONS (ANSI B73.1)

	PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs(kg.)	CP	D	D5	D6	O	U		X	
								SHAFT Ø	KEY WAY		
	2L 1-1/2x3-13	250 (113)	23.500 (597)	10.000 (254)	8.250 (210)	8.250 (210)	20.500 (521)	1.125 (29)	0.250 x 0.125 (6 x 3)	10.500 (267)	
	2L 2x3-13	258 (117)				8.750 (222)	21.500 (546)			11.500 (292)	
	2L 3x4-13	281 (127)			8.625 (219)	9.438 (240)	22.500 (572)			12.500 (318)	
	2L 3x4-13HH	281 (127)									
	2L 4x6-13A	324 (147)			8.875 (225)	10.250 (260)	23.500 (597)			13.500 (343)	



BASE PLATE AND MOUNTING DIMENSIONS

BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)	HHØ	WEIGHT lbs(kg.)
245	184T	15.000 (381)	45.000 (1143)	13.750 (349)	4.500 (114)	42.500 (1080)	3.750 (95)	0.750 (19)	129 (59)
252	215T	18.000 (457)	52.000 (1321)	14.125 (359)	6.000 (152)	49.500 (1257)	4.125 (105)		177 (80)
258	286T	21.000 (533)	58.000 (1473)	14.750 (375)	7.500 (191)	55.500 (1410)	4.750 (121)	1.000 (25)	234 (106)
264	365T	22.000 (559)	64.000 (1626)			61.500 (1562)			328 (149)
268	405TS	26.000 (660)	68.000 (1727)	14.875 (378)	9.500 (241)	65.500 (1664)			409 (186)
280	449TS		80.000 (2032)	15.875 (403)		77.500 (1969)			481 (219)



**BARE PUMP
MOUNTING
DIMENSIONS**

1. DIMENSIONS IN PARENTHESIS () ARE IN MILLIMETRES.

2. INSTALLATION DIMENSIONS ARE $\pm 1/8$ - (3) UNLESS OTHERWISE NOTED.

3. "HG" DIM. APPLIES TO THE LOWER PAD HEIGHT. WITH SOME BASES

THIS WILL OCCUR AT PUMP END WITH OTHERS AT MOTOR END.

CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	

⚠ WARNING

DO NOT OPERATE THIS MACHINE WITHOUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.

SUPPLIMENT DRAWINGS
ATTACHED WHEN LISTED BELOW

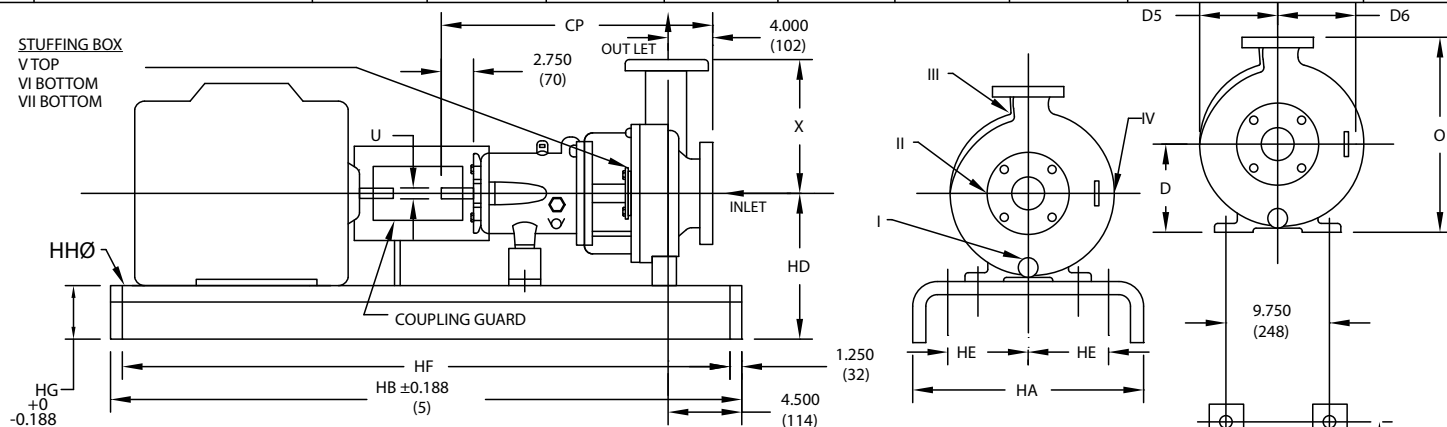
CLASS 150 FF	STD	CLASS 150 FF	
CLASS 300 FF		CLASS 300 FF	
SPECIAL			

TAP	REQ'D SIZE	
I		CASING DRAIN
II		SUCTION NOZZLE CONN.
III		DISCHARGE NOZZLE CONN.
IV		AUXILIARY CONN.
V		STUFFING BOX
VI		BACK DRILLED SEAL FLUSH CONN.
VII		BOTTOM TAP IN STUFFING BOX

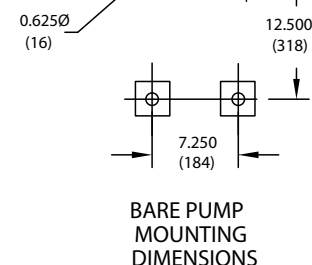
STEEL _____

SPECIAL _____

	PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs.(kg.)	CP	D	D5	D6	O	U		X		
								SHAFT Ø	KEY WAY			
	2L 1-1/2x3-13	250 (113)	23.500 (597)	10.000 (254)	8.250 (210)	8.250 (210)	20.500 (521)	1.125 (29)	0.250 x 0.125 (6 x 3)	10.500 (267)		
	2L 2x3-13	258 (117)				8.750 (222)	21.500 (546)			11.500 (292)		
	2L 3x4-13	281 (127)			8.625 (219)	9.438 (240)	22.500 (572)			12.500 (318)		
	2L 3x4-13HH	281 (127)										
	2L 4x6-13A	324 (147)			8.875 (225)	10.250 (260)	23.500 (597)			13.500 (343)		



	BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)	HHØ	WEIGHT lbs.(kg.)
	245	184T	15.000 (381)	45.000 (1143)	13.750 (349)	4.500 (114)	42.500 (1080)	3.750 (95)	0.750 (19)	129 (59)
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	280	449TS		80.000 (2032)			15.875 (403)			77.500 (1969)



3. "HG" DIM. APPLIES TO THE LOWER PAD HEIGHT. WITH SOME BASES THIS WILL OCCUR AT PUMP END WITH OTHERS AT MOTOR END.

CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	

**DO NOT OPERATE THIS MACHINE
WITHOUT PROTECTIVE GUARD IN
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OSD - 1L PROCESS PUMP

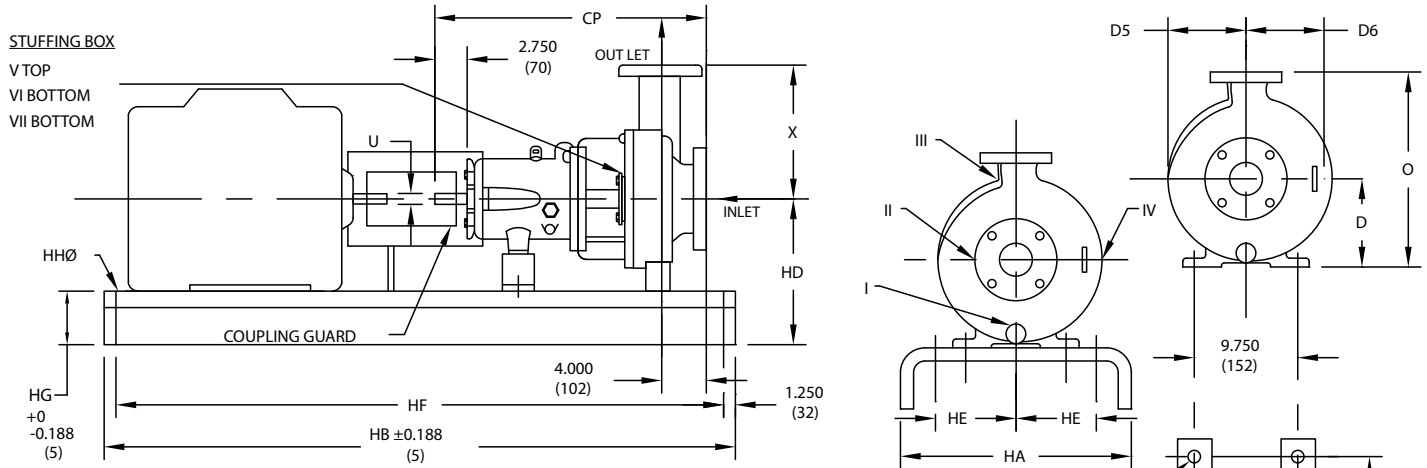


A WILO BRAND

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 300 FF ☐ SPECIAL ☐ CLASS 150 FF ☐ CLASS 300 FF ☐ SPECIAL ☐ BASEPLATE STEEL ☐ SPECIAL ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CINN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CINN.	V		STUFFING BOX	VI		BACK DRILLED FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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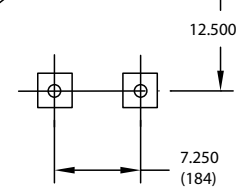
PUMP DIMENSIONS (ANSI B73.1)

PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs(kg.)	CP	D	D5	D6	O	U		X
							SHAFT Ø	KEY WAY	
2L 3x4-10H	250 (113)	23.500 (597)	8.250 (210)	7.500 (191)	8.375 (213)	22.500 (572)	1.125 (29)	0.250 x 0.125 (16 x 31)	12.500 (318)
2L 4x6-10	290 (132)			7.438 (189)	9.125 (232)	23.500 (597)	1.500 (39)	0.375 x 0.188 (10 x 51)	13.500 (343)
2L 4x6-10H	328 (149)			8.125 (206)	9.875 (251)		1.125 (29)	0.250 x 0.125 (6 x 3)	



BASE PLATE AND MOUNTING DIMENSIONS

BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)	HHØ	WEIGHT lbs(kg.)
245	184T	15.000 (381)	45.000 (1143)	13.750 (349)	4.500 (114)	42.500 (1080)	3.750 (95)	0.750 (19)	129 (59)
252	215T	18.000 (457)	52.000 (1321)	14.125 (359)	6.000 (152)	49.500 (1257)	4.125 (105)		177 (80)
258	286T	21.000 (533)	58.000 (1473)	14.750 (375)	7.500 (191)	55.500 (1410)	4.750 (121)	1.000 (25)	234 (106)
264	365T	22.000 (559)	64.000 (1626)			61.500 (1562)			328 (149)
268	405TS	26.000 (660)	68.000 (1727)	14.875 (378)	9.500 (241)	65.500 (1664)			409 (186)
280	449TS		80.000 (2032)	15.875 (403)		77.500 (1969)			481 (219)



BARE PUMP
MOUNTING
DIMENSIONS

1. DIMENSIONS IN PARENTHESIS (inch) ARE IN MILLIMETRES.
 2. INSTALLATION DIMENSIONS ARE $\pm 1/8 - (3)$ UNLESS OTHERWISE NOTED.
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CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	

⚠ WARNING

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OSD - 1L PROCESS PUMP

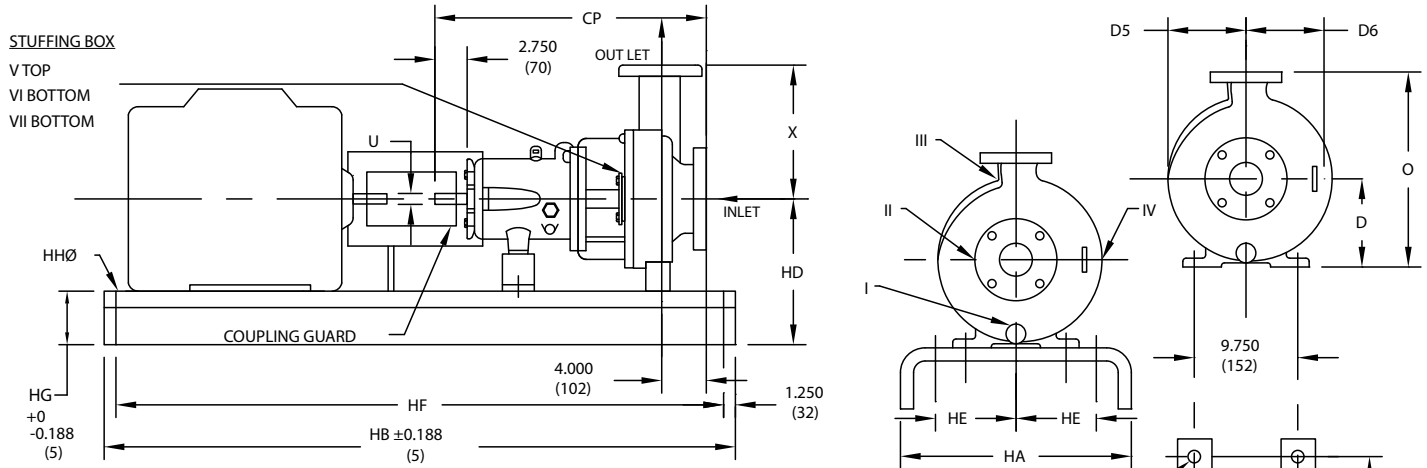


A WILO BRAND

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 300 FF ☐ SPECIAL CLASS 150 FF ☐ CLASS 300 FF ☐ SPECIAL BASEPLATE STEEL ☐ SPECIAL ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CINN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CINN.	V		STUFFING BOX	VI		BACK DRILLED FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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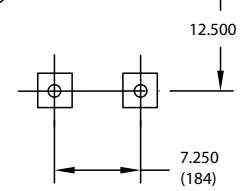
PUMP DIMENSIONS (ANSI B73.1)

PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs(kg.)	CP	D	D5	D6	O	U		X
							SHAFT Ø	KEY WAY	
2L 3x4-10H	250 (113)	23.500 (597)	8.250 (210)	7.500 (191)	8.375 (213)	22.500 (572)	1.125 (29)	0.250 x 0.125 (16 x 31)	12.500 (318)
2L 4x6-10	290 (132)			7.438 (189)	9.125 (232)	23.500 (597)	1.500 (39)	0.375 x 0.188 (10 x 51)	13.500 (343)
2L 4x6-10H	328 (149)			8.125 (206)	9.875 (251)		1.125 (29)	0.250 x 0.125 (6 x 3)	



BASE PLATE AND MOUNTING DIMENSIONS

BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)	HHØ	WEIGHT lbs(kg.)
245	184T	15.000 (381)	45.000 (1143)	13.750 (349)	4.500 (114)	42.500 (1080)	3.750 (95)	0.750 (19)	129 (59)
252	215T	18.000 (457)	52.000 (1321)	14.125 (359)	6.000 (152)	49.500 (1257)	4.125 (105)		177 (80)
258	286T	21.000 (533)	58.000 (1473)	14.750 (375)	7.500 (191)	55.500 (1410)	4.750 (121)	1.000 (25)	234 (106)
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280	449TS		80.000 (2032)	15.875 (403)		77.500 (1969)			481 (219)



BARE PUMP
MOUNTING
DIMENSIONS

1. DIMENSIONS IN PARENTHESIS (inch) ARE IN MILLIMETRES.
 2. INSTALLATION DIMENSIONS ARE ± 1/8 - (3) UNLESS OTHERWISE NOTED.
 3. "HG" DIM. APPLIES TO THE LOWER PAD HEIGHT. WITH SOME BASES THIS WILL OCCUR AT PUMP END WITH OTHERS AT MOTOR END.

CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	

⚠ WARNING

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OSD - 1L PROCESS PUMP

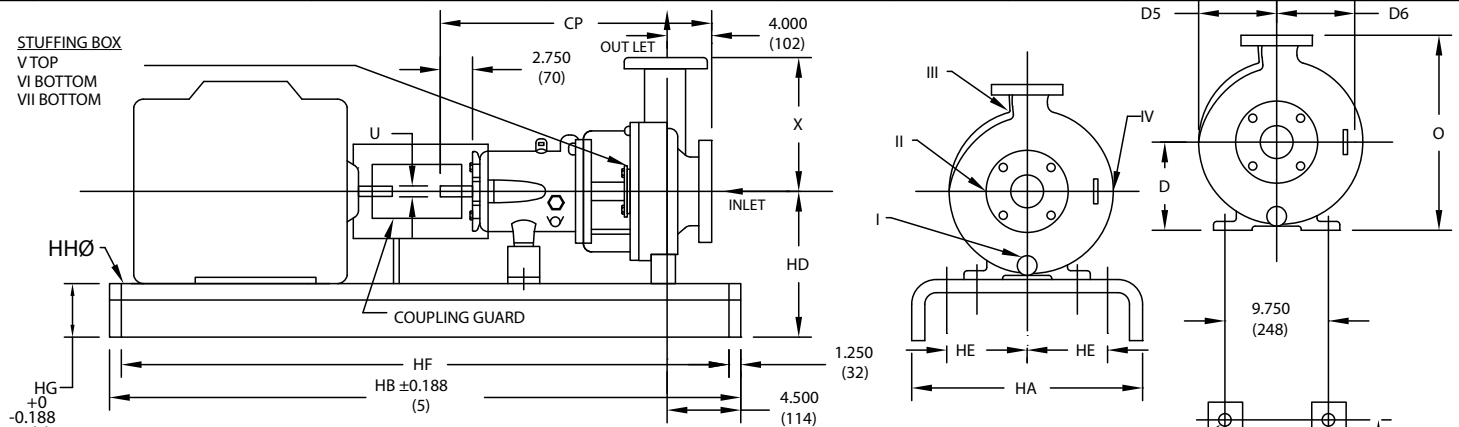


A WILO BRAND

SUPPLIMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 300 FF ☐ SPECIAL ☐ CLASS 150 FF ☐ CLASS 300 FF ☐ SPECIAL ☐ BASEPLATE STEEL ☐ SPECIAL ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CONN.	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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PUMP DIMENSIONS (ANSI B73.1)

	PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs(kg.)	CP	D	D5	D6	O	U		X	
								SHAFT Ø	KEY WAY		
	2L 1-1/2x3-13	250 (113)	23.500 (597)	10.000 (254)	8.250 (210)	8.250 (210)	20.500 (521)	1.125 (29)	0.250 x 0.125 (6 x 3)	10.500 (267)	
	2L 2x3-13	258 (117)				8.750 (222)	21.500 (546)			11.500 (292)	
	2L 3x4-13	281 (127)			8.625 (219)	9.438 (240)	22.500 (572)			12.500 (318)	
	2L 3x4-13HH	281 (127)									
	2L 4x6-13A	324 (147)			8.875 (225)	10.250 (260)	23.500 (597)			13.500 (343)	



BASE PLATE AND MOUNTING DIMENSIONS

BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)	HHØ	WEIGHT lbs(kg.)
245	184T	15.000 (381)	45.000 (1143)	13.750 (349)	4.500 (114)	42.500 (1080)	3.750 (95)	0.750 (19)	129 (59)
252	215T	18.000 (457)	52.000 (1321)	14.125 (359)	6.000 (152)	49.500 (1257)	4.125 (105)		177 (80)
258	286T	21.000 (533)	58.000 (1473)	14.750 (375)	7.500 (191)	55.500 (1410)	4.750 (121)	1.000 (25)	234 (106)
264	365T	22.000 (559)	64.000 (1626)			61.500 (1562)			328 (149)
268	405TS	26.000 (660)	68.000 (1727)	14.875 (378)	9.500 (241)	65.500 (1664)			409 (186)
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**BARE PUMP
MOUNTING
DIMENSIONS**

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CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
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OSD - 3L PROCESS PUMP



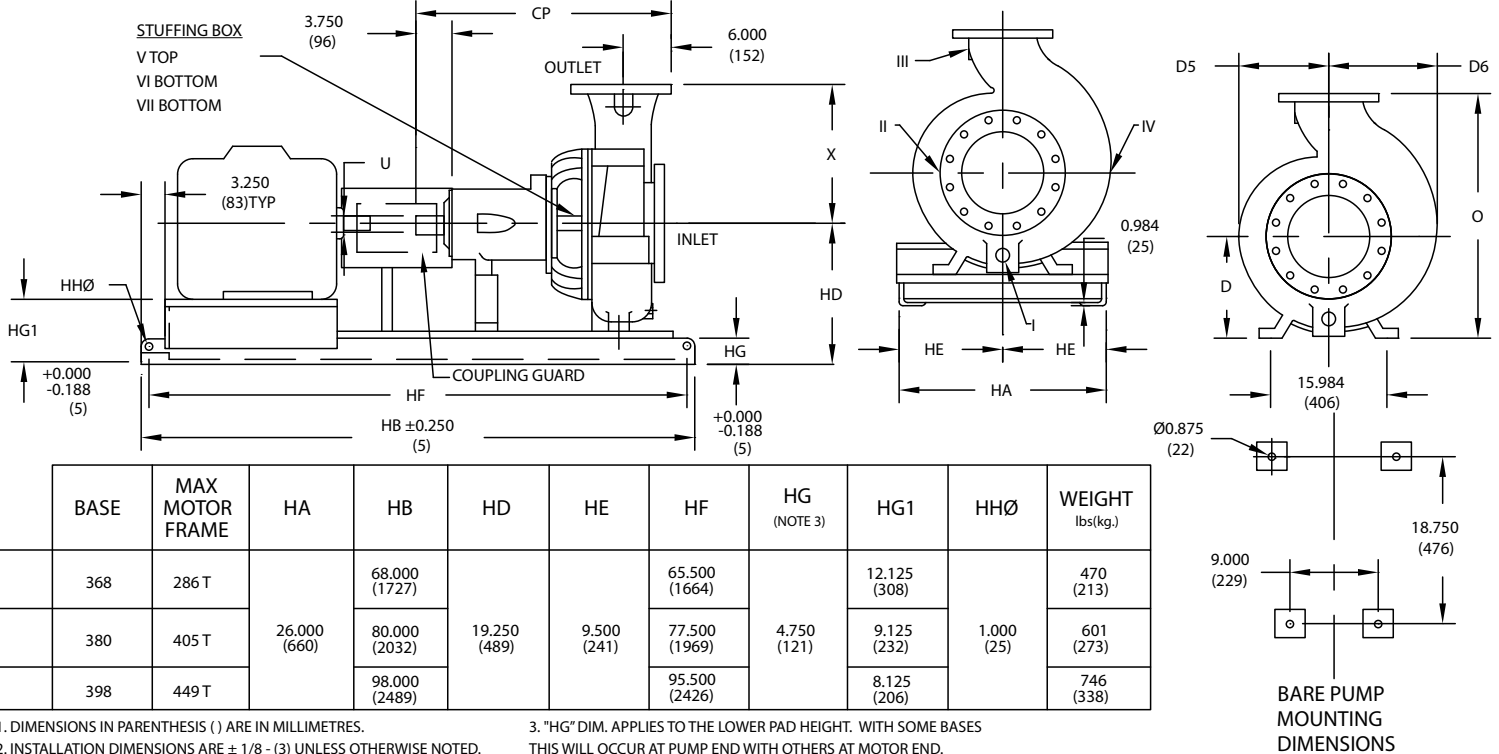
A WILO BRAND

SUPPLIMENT DRAWINGS ATTACHED WHEN LISTED BELOW _____ _____ _____ _____ _____	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 300 FF ☐ SPECIAL _____ BASEPLATE STEEL ☐ SPECIAL ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CONN.	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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PUMP DIMENSIONS (ANSI B73.1)

	PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs(kg.)	CP	D	D5	D6	O	U		X
								SHAFT Ø	KEY WAY	
	3L 6x8-14A	680 (308)	33.875 (860)	14.500 (368)	10.250 (260)	12.375 (314)	30.500 (775)	2.375 (60)	0.625 x 0.313 (16 x 8)	16.000 (406)
	3L 8x10-14 *	899 (408)			11.000 (279)	14.250 (362)	32.500 (826)			18.000 (457)
	3L 4x6-16	641 (291)			17.500 (445)	11.625 (295)	30.500 (775)			16.000 (406)
	3L 6x8-16	740 (333)			12.375 (313)	14.000 (356)	32.500 (826)			18.000 (457)
	3L 6x8-16A	832 (377)			11.125 (283)	13.625 (345)	32.500 (826)			18.000 (457)
	3L 8x10-16	917 (416)			11.750 (298)	15.000 (381)	33.500 (851)			19.000 (483)
	3L 8x10-16H **	992 (450)			12.250 (311)	15.875 (403)				

*TAPPED SUCTION FLANGE CLASS 300 ONLY. ** TAPPED SUCTION FLANGE CLASS 150 AND 300.



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CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
CERTIFIED FOR			CERTIFIED BY		DATE	

WARNING

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OSD - 3L PROCESS PUMP



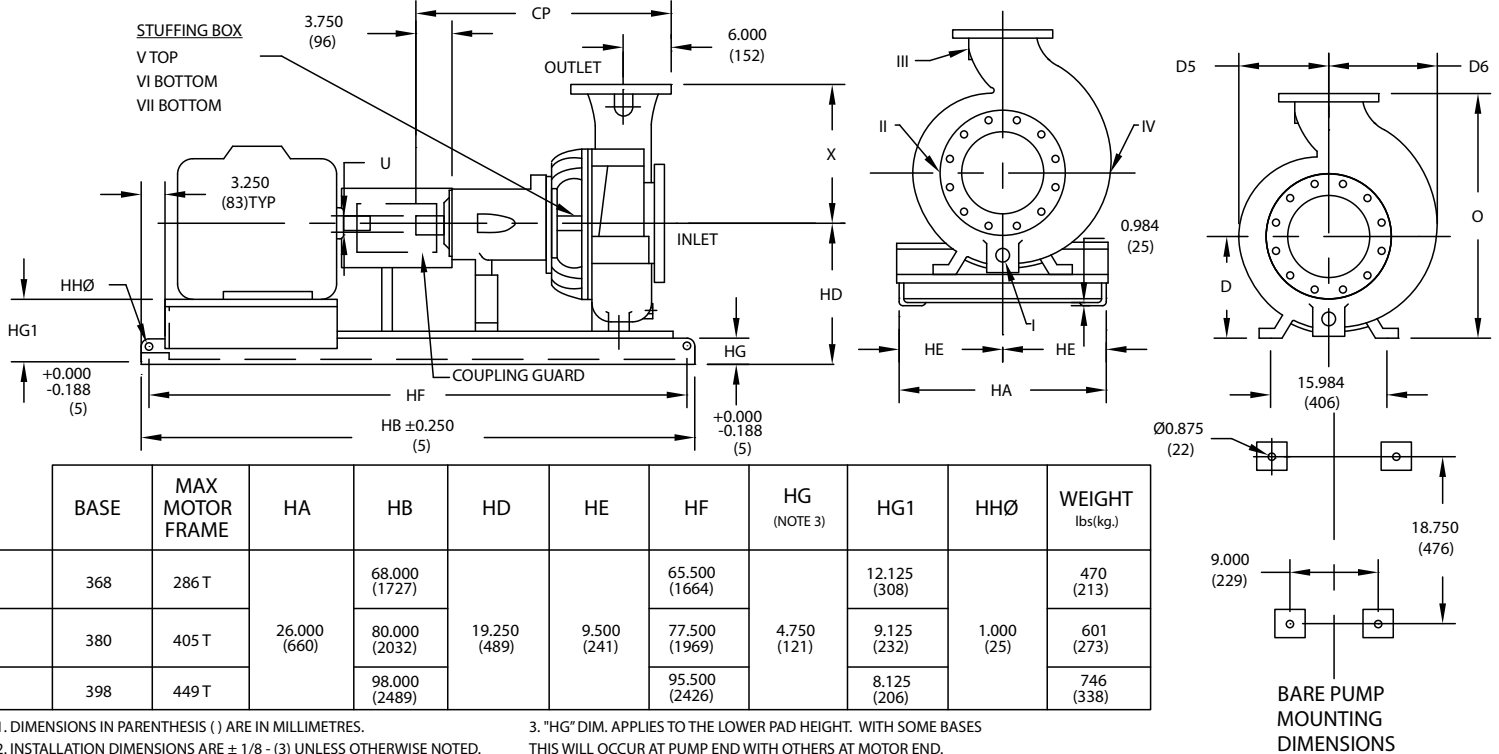
A WILO BRAND

SUPPLIMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 300 FF ☐ SPECIAL CLASS 150 FF ☐ CLASS 300 FF ☐ SPECIAL BASEPLATE STEEL ☐ SPECIAL ☐ ☐ ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CONN.	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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PUMP DIMENSIONS (ANSI B73.1)

	PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs(kg.)	CP	D	D5	D6	O	U		X
								SHAFT Ø	KEY WAY	
	3L 6x8-14A	680 (308)	33.875 (860)	14.500 (368)	10.250 (260)	12.375 (314)	30.500 (775)	2.375 (60)	0.625 x 0.313 (16 x 8)	16.000 (406)
	3L 8x10-14 *	899 (408)			11.000 (279)	14.250 (362)	32.500 (826)			18.000 (457)
	3L 4x6-16	641 (291)			17.500 (445)	11.625 (295)	30.500 (775)			16.000 (406)
	3L 6x8-16	740 (333)			12.375 (313)	14.000 (356)	32.500 (826)			18.000 (457)
	3L 6x8-16A	832 (377)			11.125 (283)	13.625 (345)	32.500 (826)			18.000 (457)
	3L 8x10-16	917 (416)			11.750 (298)	15.000 (381)	33.500 (851)			19.000 (483)
	3L 8x10-16H **	992 (450)			12.250 (311)	15.875 (403)				

*TAPPED SUCTION FLANGE CLASS 300 ONLY. ** TAPPED SUCTION FLANGE CLASS 150 AND 300.



CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE
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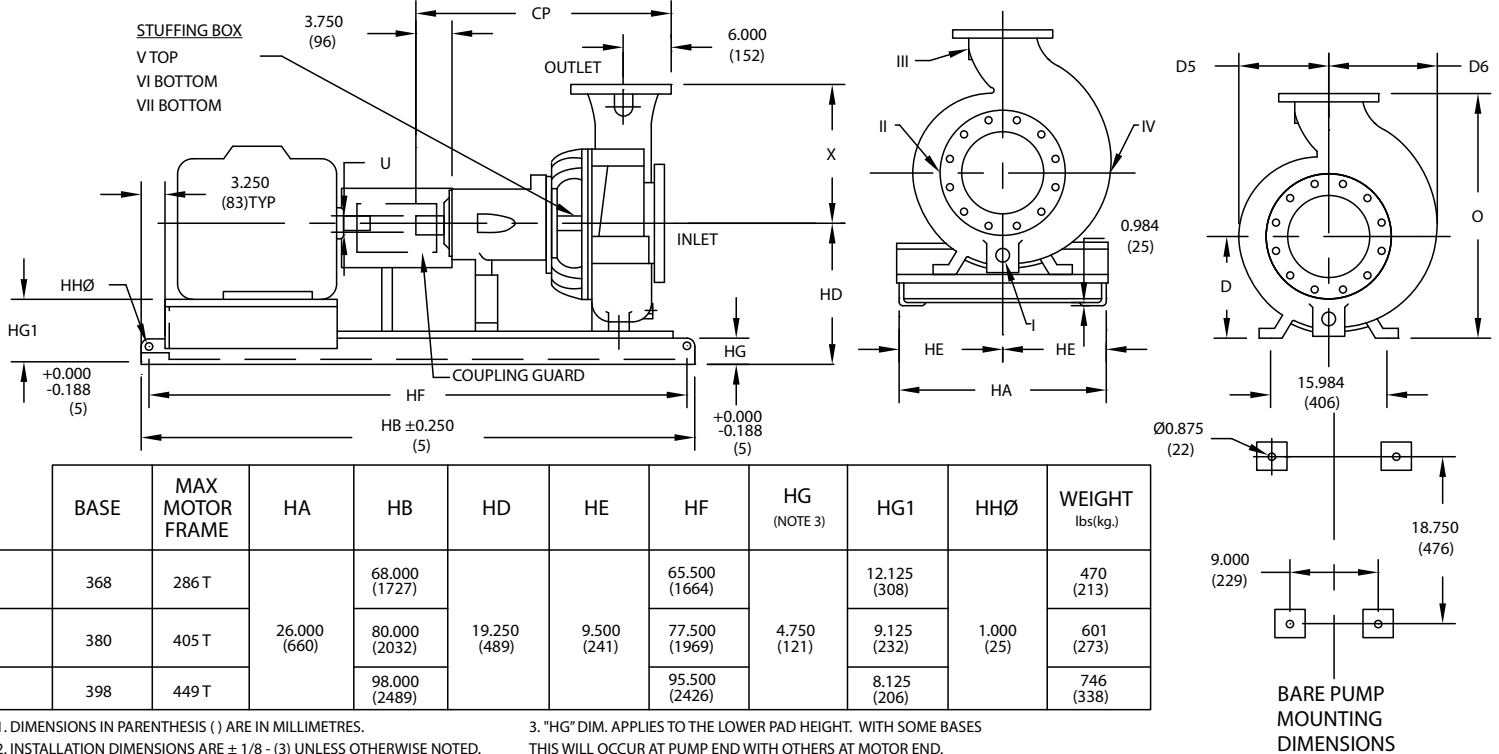
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SUPPLIMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 300 FF ☐ SPECIAL ☐ CLASS 150 FF ☐ CLASS 300 FF ☐ SPECIAL ☐ BASEPLATE STEEL ☐ SPECIAL ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CONN.	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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								SHAFT Ø	KEY WAY	
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CUSTOMER					P.O. NO.	
JOB NAME					TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCH POSITION
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CERTIFIED FOR			CERTIFIED BY		DATE	

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AMERICAN-MARSH PUMPS

SUPPLIMENT DRAWINGS
ATTACHED WHEN LISTED BELOW

CLASS 150 FF	STD	CLASS 150 FF	
CLASS 300 FF		CLASS 300 FF	
SPECIAL			

TAP	REQ'D SIZE	
I		CASING DRAIN
II		SUCTION NOZZLE CONN.
III		DISCHARGE NOZZLE CONN.
IV		AUXILIARY CONN.
V		STUFFING BOX
VI		BACK DRILLED SEAL FLUSH CONN.
VII		BOTTOM TAP IN STUFFING BOX

STEEL _____

SPECIAL _____

	PUMP SIZE OUTLET x INLET x MAX IMP DIA	PUMP WT lbs(kg.)	CP	D	D5	D6	O	U		X		
								SHAFT Ø	KEY WAY			
	3L 6x8-14A	680 (308)	33.875 (860)	14.500 (368)	10.250 (260)	12.375 (314)	30.500 (775)	2.375 (60)	0.625 x 0.313 (16 x 8)	16.000 (406)		
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STUFFING BOX
V TOP
VI BOTTOM
VII BOTTOM

3.750 (96)

CP

6.000 (152)

OUTLET

3.250 (83) TYP

U

INLET

HD

COUPLING GUARD

HF

HB ± 0.250 (5)

HHØ

HG1

+0.000
-0.188 (5)

HG

+0.000
-0.188 (5)

III

II

IV

0.984 (25)

HE

HA

D5

D6

D

15.984 (406)

Ø0.875 (22)

18.750 (476)

9.000 (229)

BARE PUMP

BASE	MAX MOTOR FRAME	HA	HB	HD	HE	HF	HG (NOTE 3)	HG1	HHØ	WEIGHT lbs.(kg.)
368	286 T	26.000 (660)	68.000 (1727)	19.250 (489)	9.500 (241)	65.500 (1664)	4.750 (121)	12.125 (308)	1.000 (25)	470 (213)
380	405 T		80.000 (2032)			77.500 (1969)		9.125 (232)		601 (273)
398	449 T		98.000 (2489)			95.500 (2426)		8.125 (206)		746 (338)

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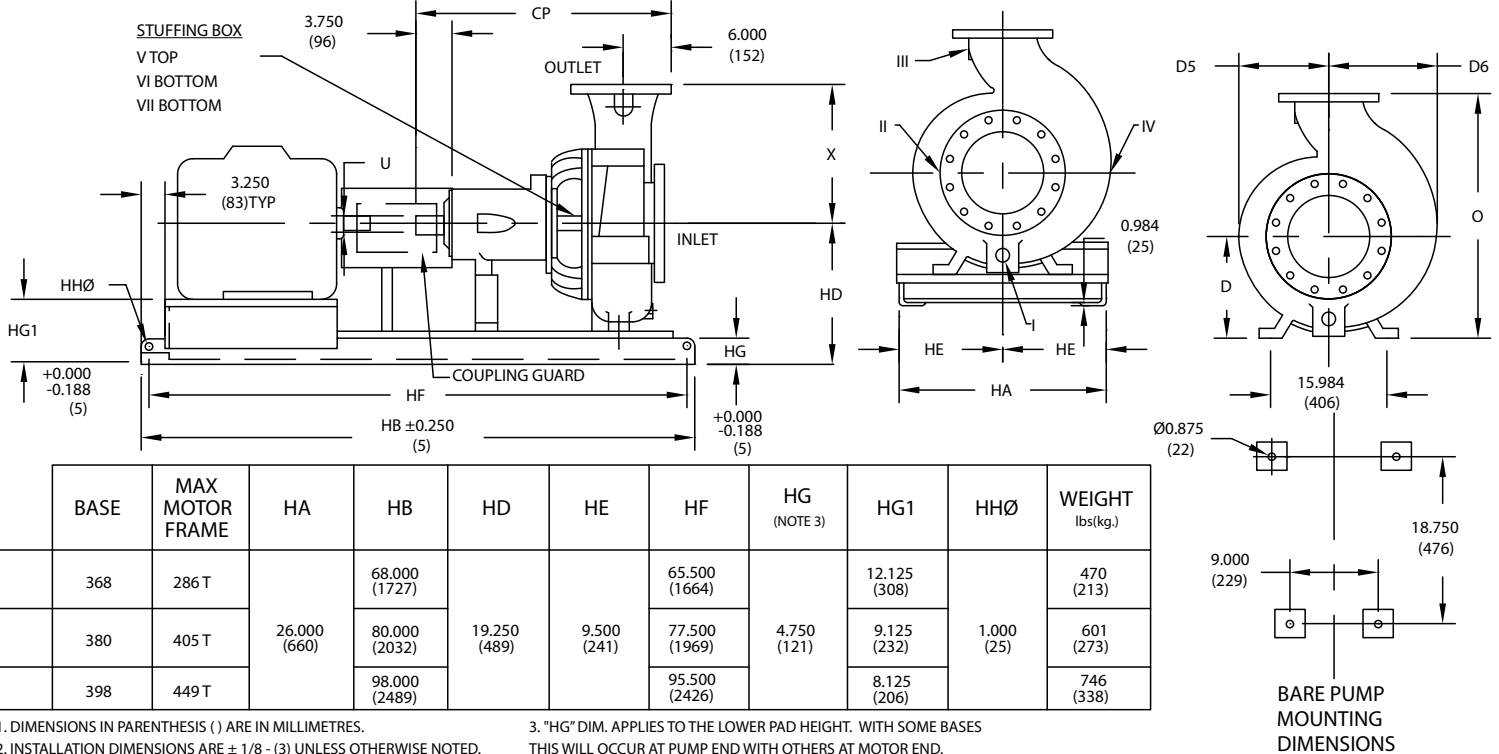
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SUPPLIMENT DRAWINGS ATTACHED WHEN LISTED BELOW _____ _____ _____ _____ _____	AVAILABLE FLANGES(ANSI B16.5) CLASS 150 FF ☐ STD CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 300 FF ☐ SPECIAL _____ BASEPLATE STEEL ☐ SPECIAL ☐	OPTIONAL TAP CONNECTIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQ'D SIZE</th> <th></th> </tr> <tr> <td>I</td> <td></td> <td>CASING DRAIN</td> </tr> <tr> <td>II</td> <td></td> <td>SUCTION NOZZLE CONN.</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONN.</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONN.</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONN.</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQ'D SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONN.	III		DISCHARGE NOZZLE CONN.	IV		AUXILIARY CONN.	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONN.	VII		BOTTOM TAP IN STUFFING BOX
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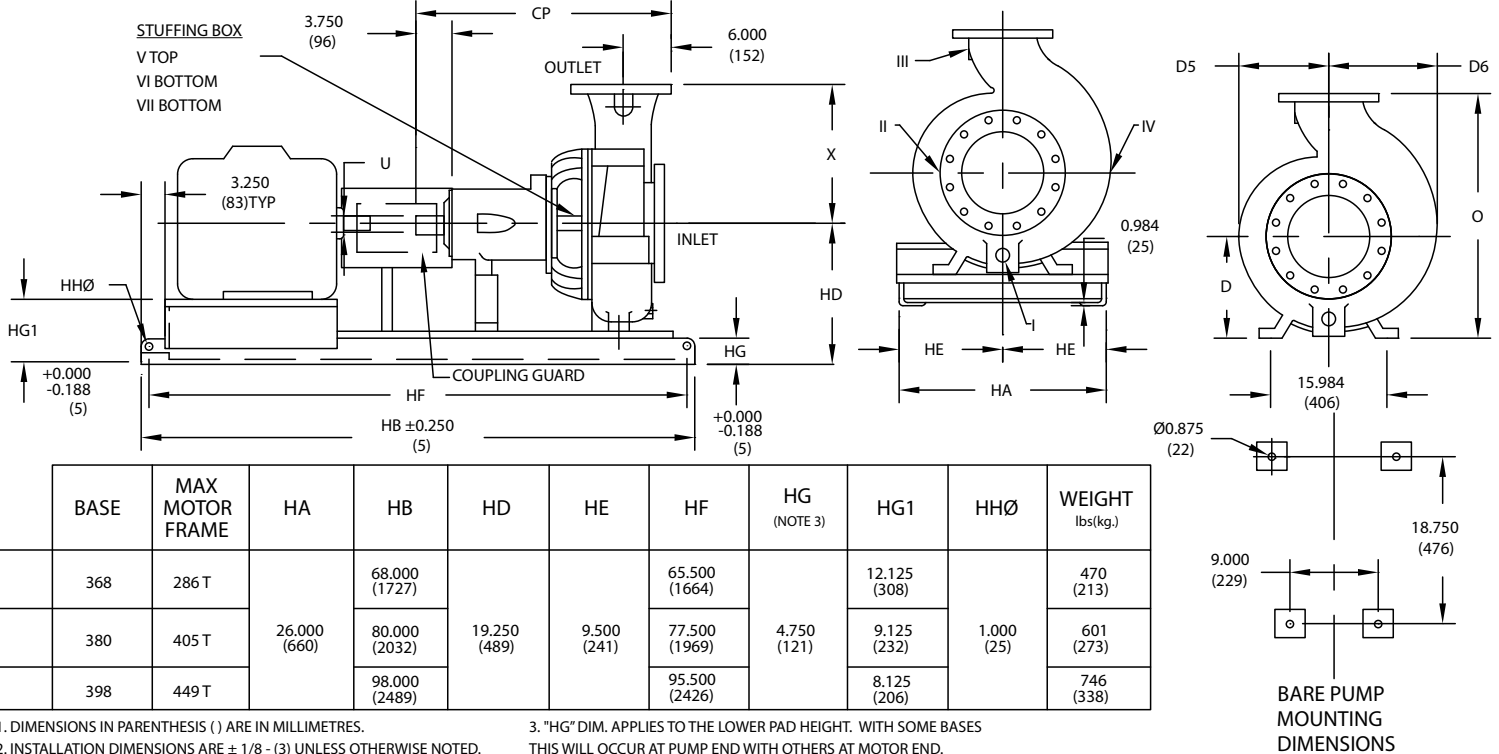
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