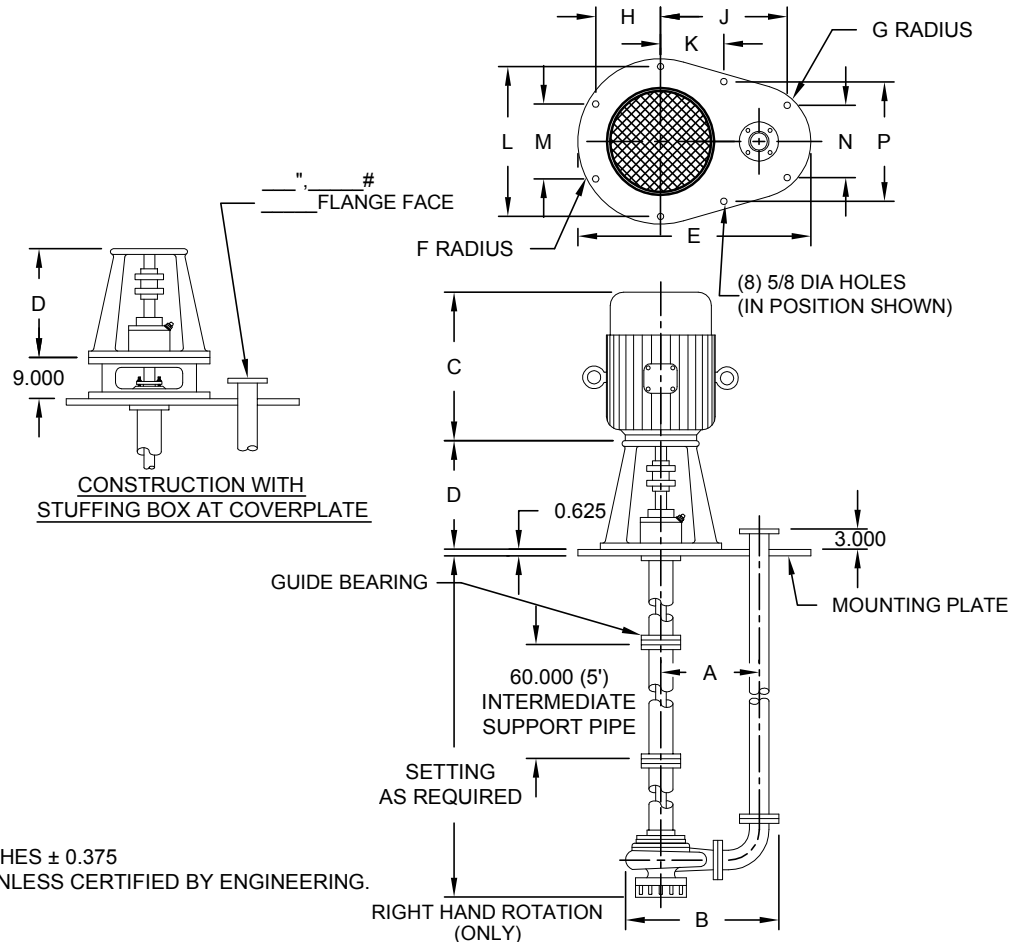


320 SERIES SREM VERTICAL PROCESS SUMP PUMP

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES (ANSI B16.5) DISCHARGE CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 150 RF ☐ CLASS 300 RF ☐ SPECIAL ☐	OPTIONAL TAP CONNECTION <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQUIRED 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 CONNECTION</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONNECTION</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONNECTION</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONNECTION</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQUIRED SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONNECTION	III		DISCHARGE NOZZLE CONNECTION	IV		AUXILIARY CONNECTION	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONNECTION	VII		BOTTOM TAP IN STUFFING BOX
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FRAME	C	D
56C	10.250	9.750
143T	11.000	
145T	11.000	
182T	13.500	
184T	14.250	
213T	15.250	12.500
215T	16.750	
254T	16.125	
256T	19.875	
284T	23.625	
284TS	23.625	16.000
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NOTES:

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2. NOT FOR CONSTRUCTION UNLESS CERTIFIED BY ENGINEERING.

PUMP SIZE														
DISCH	SUCT	CASE BORE	A	B	E	F	G	H	J	K	L	M	N	P
1 1/4	2	5	9.625	15.938	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1 1/2	2 1/2	5	9.500	16.688	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
2	2 1/2	5	10.813	18.750	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
2 1/2	3	5	12.063	21.125	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
1 1/4	2	7	10.438	17.563	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1 1/2	2 1/2	7	10.313	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
2	2 1/2	7	11.563	20.438	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
2 1/2	3	7	12.875	22.813	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
3	4	7	14.375	24.750	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938

CUSTOMER						P.O. NUMBER		⚠ WARNING DO NOT OPERATE THIS MACHINE WITH OUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.
JOB NAME						TAG NAME		
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION		
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE		
CERTIFIED FOR			CERTIFIED BY		DATE			



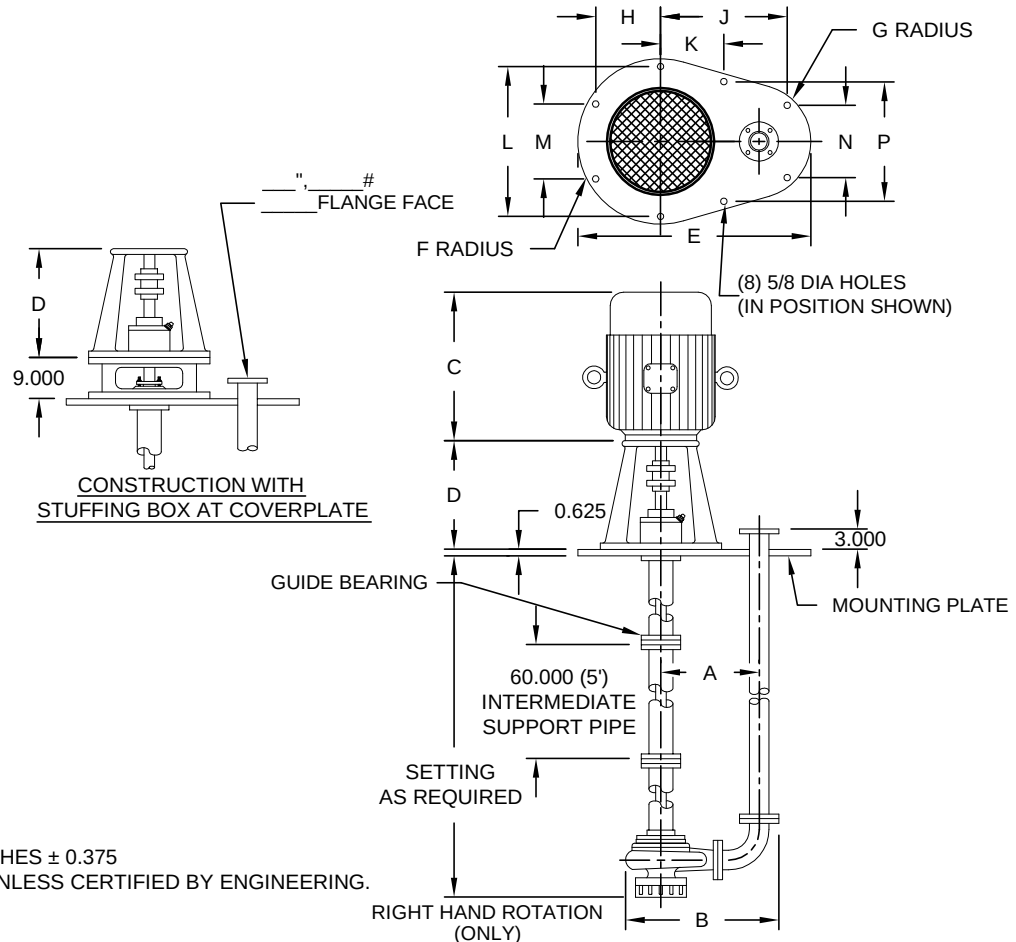
AMERICAN-MARSH PUMPS

A WILO BRAND

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES (ANSI B16.5) DISCHARGE CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 150 RF ☐ CLASS 300 RF ☐ SPECIAL ☐	OPTIONAL TAP CONNECTION <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQUIRED 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 CONNECTION</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONNECTION</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONNECTION</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONNECTION</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQUIRED SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONNECTION	III		DISCHARGE NOZZLE CONNECTION	IV		AUXILIARY CONNECTION	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONNECTION	VII		BOTTOM TAP IN STUFFING BOX
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MODEL	A	B	E	F	G	H	J	K	L	M	N	P
1J 1x1.5LF-4	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1x1.5-6	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1.5x3-6	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L2x3-6	11.000	19.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1x1.5LF-8	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
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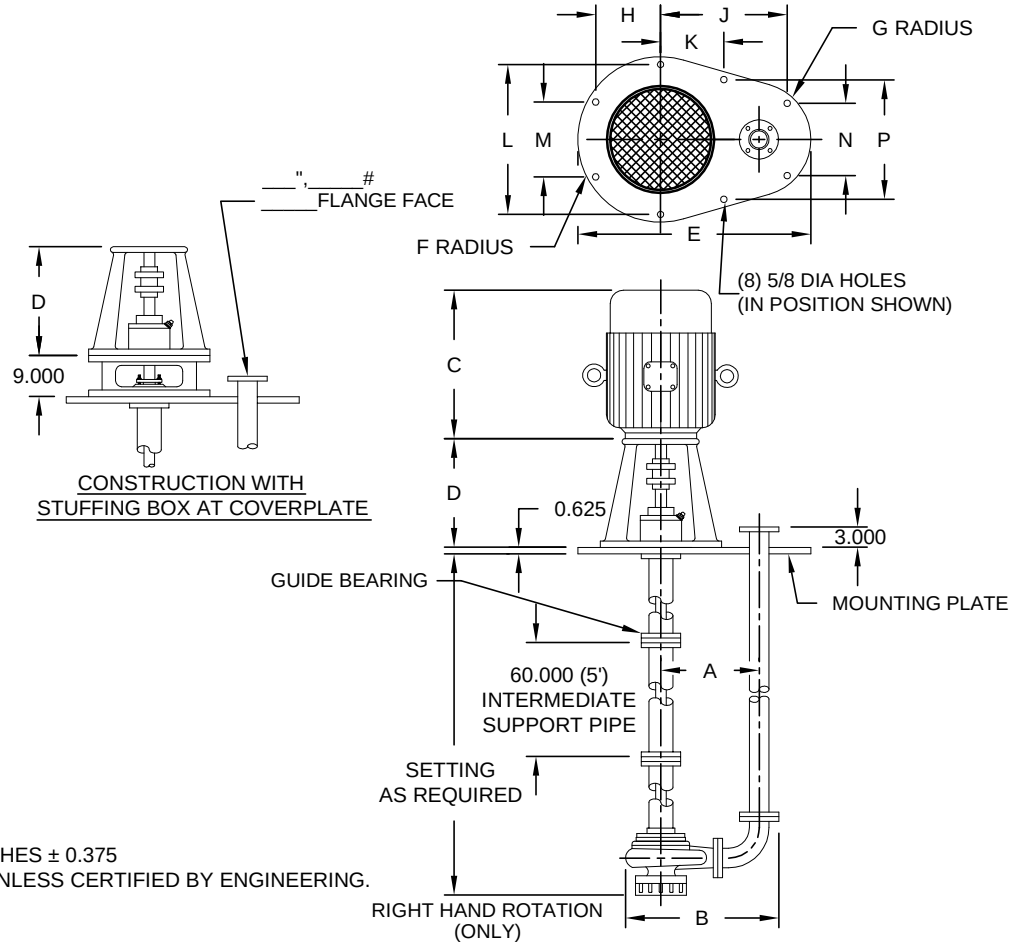
DATE: 8/11/09

320-0009

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES (ANSI B16.5) DISCHARGE CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 150 RF ☐ CLASS 300 RF ☐ SPECIAL ☐	OPTIONAL TAP CONNECTION <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQUIRED 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 CONNECTION</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONNECTION</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONNECTION</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONNECTION</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQUIRED SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONNECTION	III		DISCHARGE NOZZLE CONNECTION	IV		AUXILIARY CONNECTION	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONNECTION	VII		BOTTOM TAP IN STUFFING BOX
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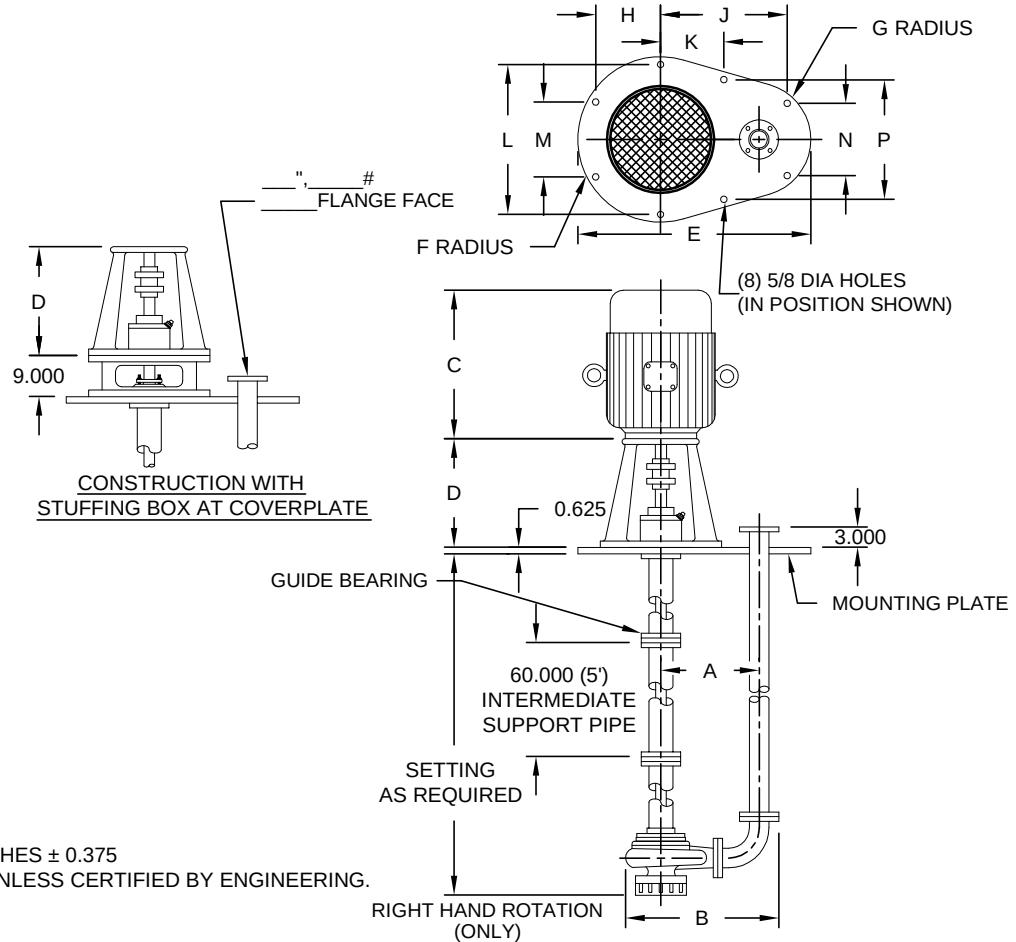
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CERTIFIED FOR			CERTIFIED BY		DATE			

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES (ANSI B16.5) DISCHARGE CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 150 RF ☐ CLASS 300 RF ☐ SPECIAL ☐	OPTIONAL TAP CONNECTION <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQUIRED 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 CONNECTION</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONNECTION</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONNECTION</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONNECTION</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQUIRED SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONNECTION	III		DISCHARGE NOZZLE CONNECTION	IV		AUXILIARY CONNECTION	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONNECTION	VII		BOTTOM TAP IN STUFFING BOX
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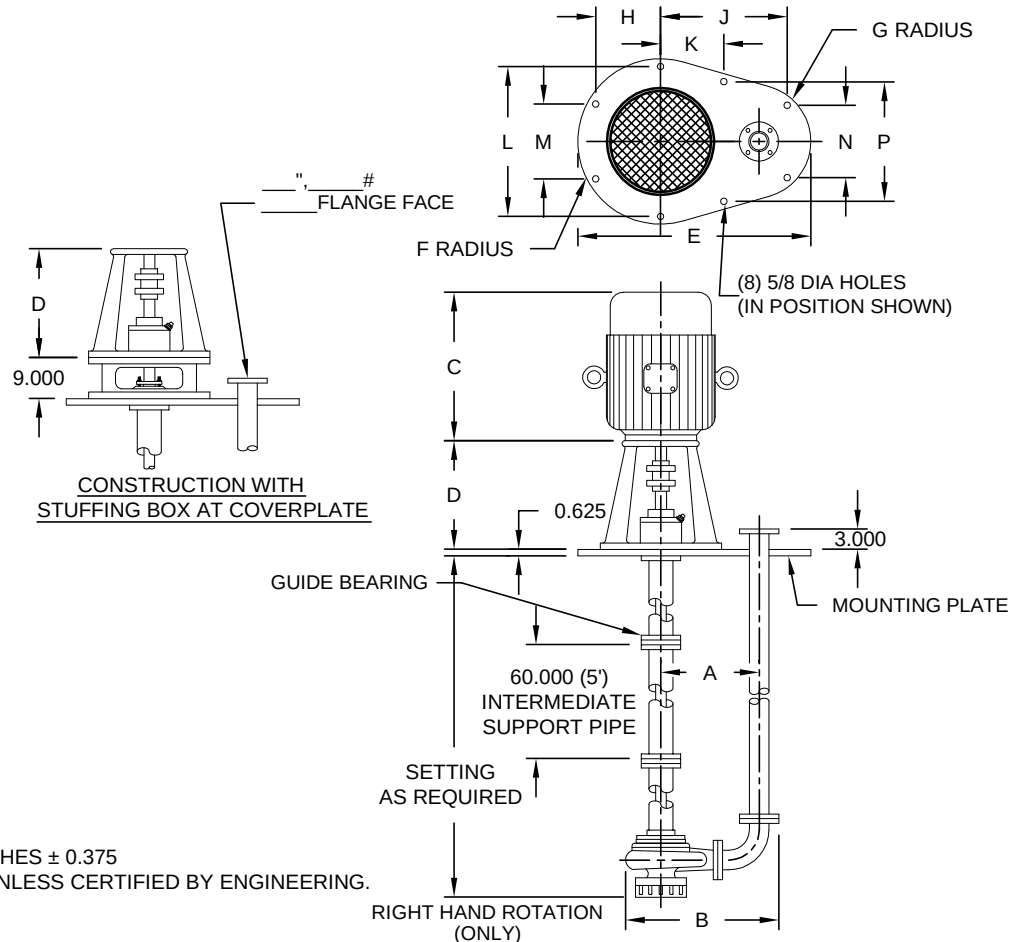
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1J 1x1.5LF-4	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
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1L1.5x3-6	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L2x3-6	11.000	19.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1x1.5LF-8	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1x1.5-8	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1.5x3-8	11.500	21.000	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
2L2x3-8	14.000	25.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L3x4-8	16.500	28.500	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.625

CUSTOMER						P.O. NUMBER		⚠ WARNING DO NOT OPERATE THIS MACHINE WITH OUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.
JOB NAME						TAG NAME		
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION		
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE		
CERTIFIED FOR			CERTIFIED BY		DATE			

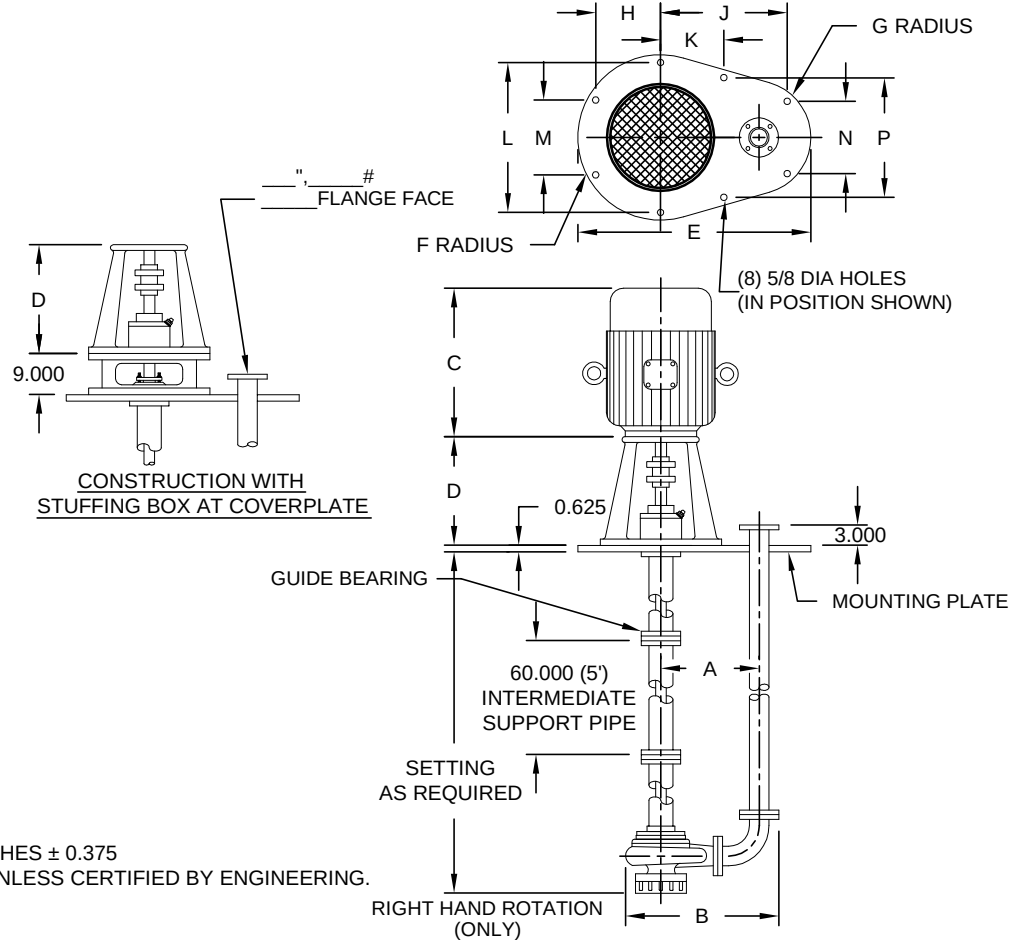
DATE: 8/11/09

320-0009

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES (ANSI B16.5) DISCHARGE CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 150 RF ☐ CLASS 300 RF ☐ SPECIAL ☐	OPTIONAL TAP CONNECTION <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQUIRED 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 CONNECTION</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONNECTION</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONNECTION</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONNECTION</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQUIRED SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONNECTION	III		DISCHARGE NOZZLE CONNECTION	IV		AUXILIARY CONNECTION	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONNECTION	VII		BOTTOM TAP IN STUFFING BOX
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FRAME	C	D
56C	10.250	9.750
143T	11.000	
145T	11.000	
182T	13.500	
184T	14.250	
213T	15.250	12.500
215T	16.750	
254T	16.125	
256T	19.875	
284T	23.625	
284TS	23.625	16.000
286T	23.625	
286TS	23.625	
324T	25.750	
324TS	25.250	
326T	25.750	
326TS	25.250	
364T	27.125	
364TS	27.250	
365T	27.125	
365TS	27.250	
404T	28.750	
404TS	28.750	
405T	30.750	
405TS	30.750	
444T	34.875	
444TS	34.875	
445T	36.875	
445TS	36.875	
447T	40.375	
447TS	40.375	
449T	46.375	
449TS	46.625	


NOTES:

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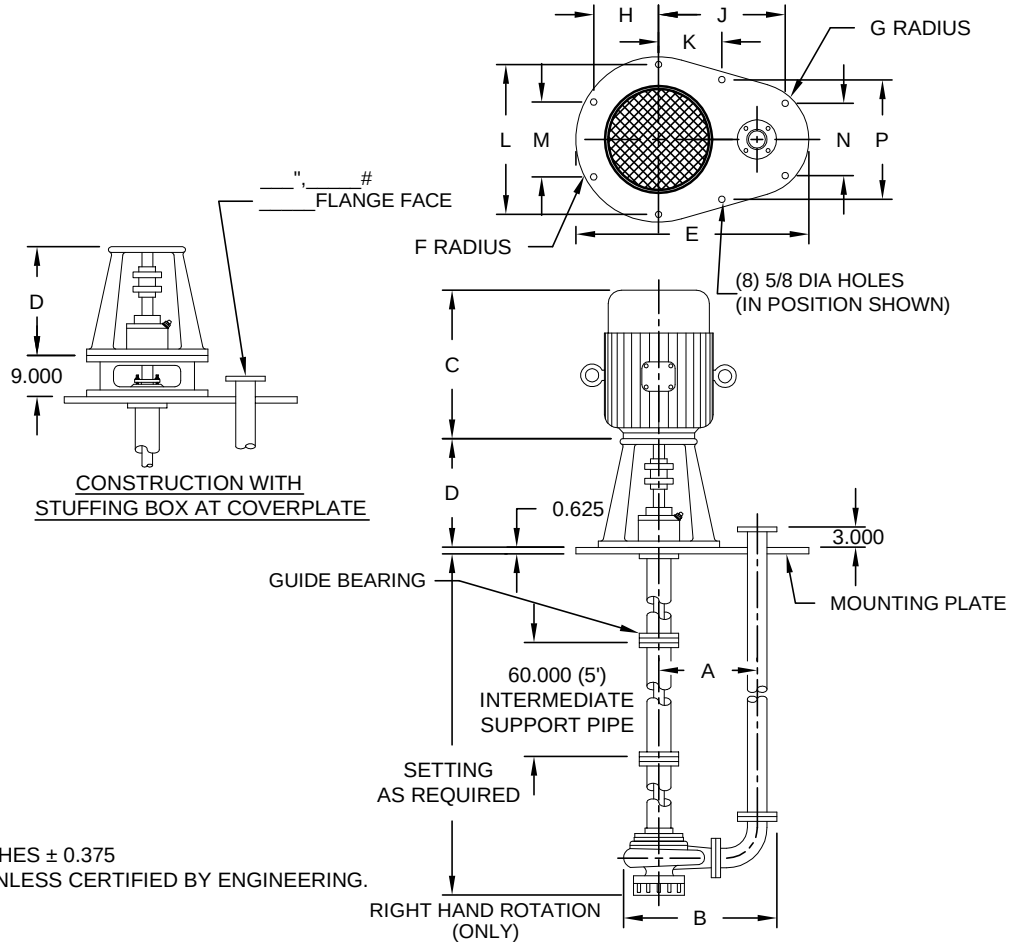
MODEL	A	B	E	F	G	H	J	K	L	M	N	P
1J 1x1.5LF-4	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1x1.5-6	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
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2L2x3-8	14.000	25.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
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CUSTOMER						P.O. NUMBER		⚠ WARNING DO NOT OPERATE THIS MACHINE WITH OUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.
JOB NAME						TAG NAME		
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION		
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE		
CERTIFIED FOR			CERTIFIED BY		DATE			

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES (ANSI B16.5) DISCHARGE CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 150 RF ☐ CLASS 300 RF ☐ SPECIAL ☐	OPTIONAL TAP CONNECTION <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQUIRED 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 CONNECTION</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONNECTION</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONNECTION</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONNECTION</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQUIRED SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONNECTION	III		DISCHARGE NOZZLE CONNECTION	IV		AUXILIARY CONNECTION	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONNECTION	VII		BOTTOM TAP IN STUFFING BOX
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447T	40.375	
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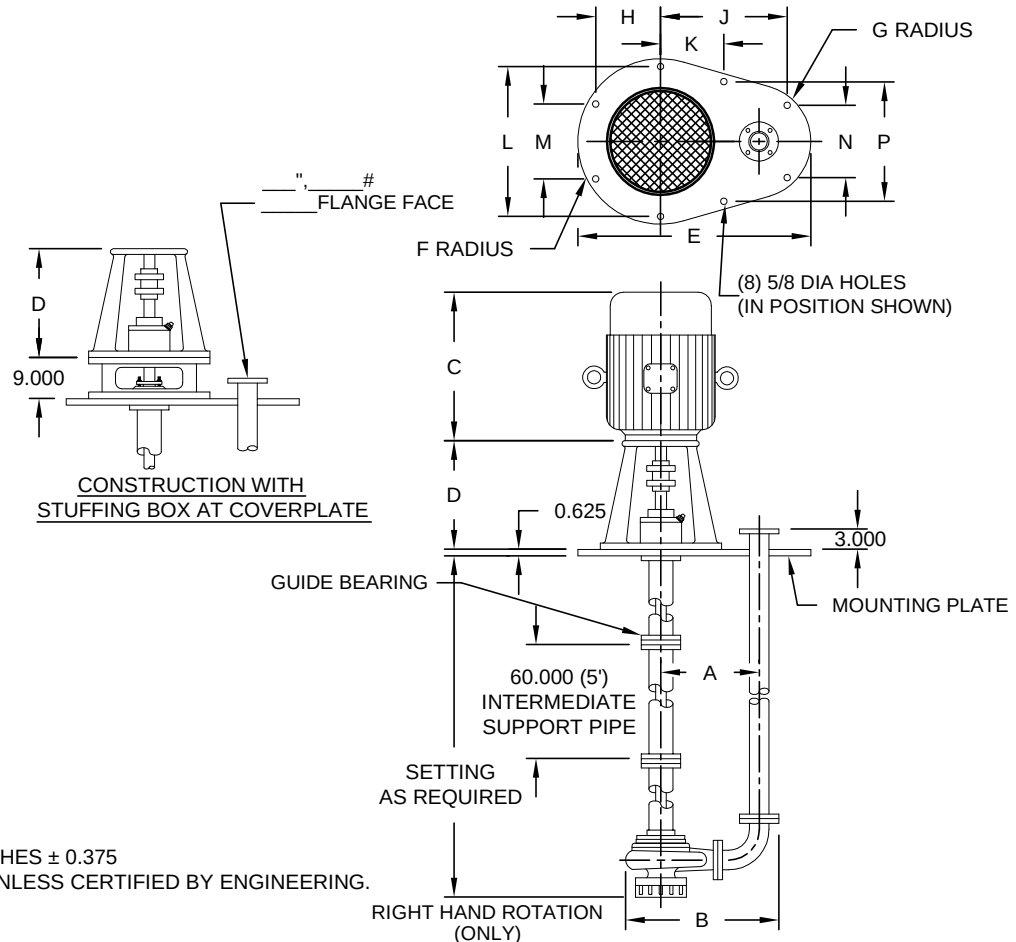
MODEL	A	B	E	F	G	H	J	K	L	M	N	P
1J 1x1.5LF-4	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1x1.5-6	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1.5x3-6	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L2x3-6	11.000	19.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1x1.5LF-8	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1x1.5-8	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1.5x3-8	11.500	21.000	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
2L2x3-8	14.000	25.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L3x4-8	16.500	28.500	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.625

CUSTOMER						P.O. NUMBER		⚠ WARNING DO NOT OPERATE THIS MACHINE WITH OUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.
JOB NAME						TAG NAME		
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION		
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE		
CERTIFIED FOR			CERTIFIED BY		DATE			

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

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

FRAME	C	D
56C	10.250	9.750
143T	11.000	
145T	11.000	
182T	13.500	
184T	14.250	
213T	15.250	12.500
215T	16.750	
254T	16.125	
256T	19.875	
284T	23.625	
284TS	23.625	16.000
286T	23.625	
286TS	23.625	
324T	25.750	
324TS	25.250	
326T	25.750	
326TS	25.250	
364T	27.125	
364TS	27.250	
365T	27.125	
365TS	27.250	
404T	28.750	
404TS	28.750	
405T	30.750	
405TS	30.750	
444T	34.875	
444TS	34.875	
445T	36.875	
445TS	36.875	
447T	40.375	
447TS	40.375	
449T	46.375	
449TS	46.625	



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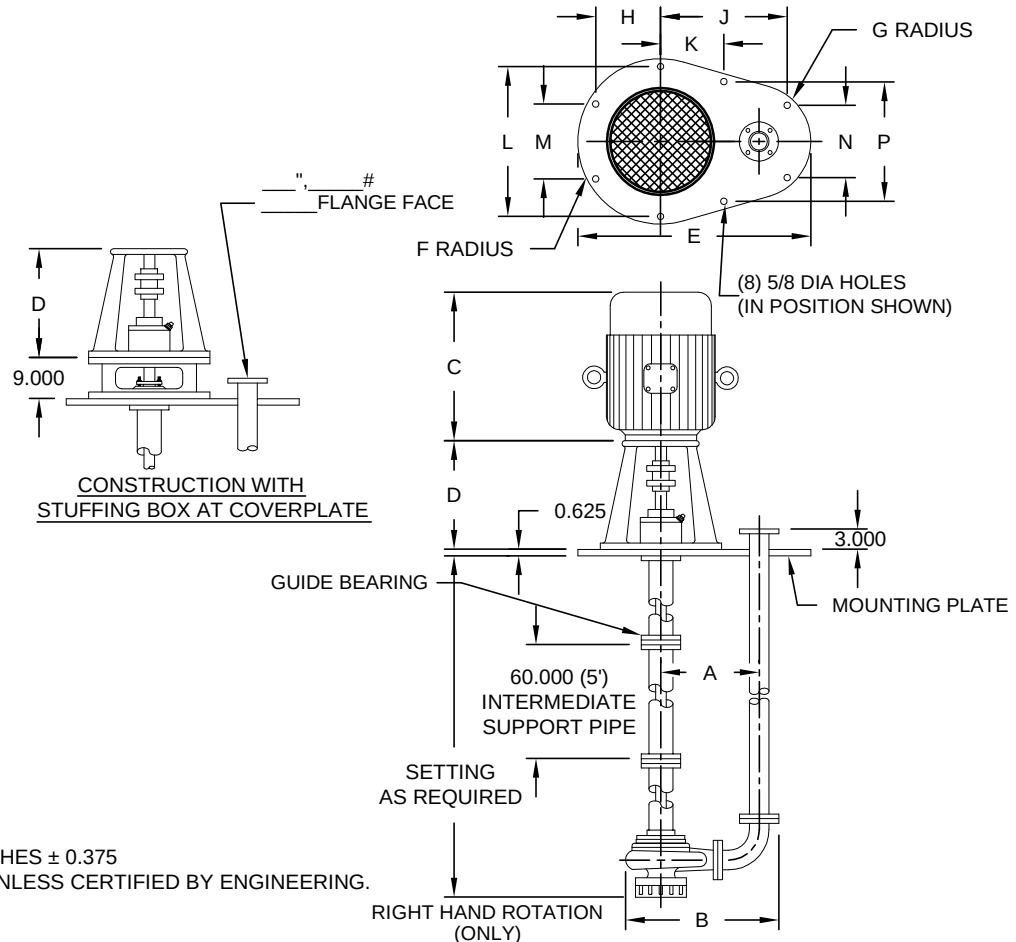
MODEL	A	B	E	F	G	H	J	K	L	M	N	P
2L1x2LF-10A	12.500	23.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L1x2-10A	12.500	23.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L1.5x3-10A	12.500	23.750	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L2x3-10A	14.000	25.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L3x4-10	16.500	28.500	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L3x4-10H	18.000	31.750	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
2L4x6-10	20.000	34.500	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
2L4x6-10H	20.000	34.500	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544

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JOB NAME						TAG NAME		
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION		
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE		
CERTIFIED FOR			CERTIFIED BY		DATE			

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

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

FRAME	C	D
56C	10.250	9.750
143T	11.000	
145T	11.000	
182T	13.500	
184T	14.250	
213T	15.250	12.500
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254T	16.125	
256T	19.875	
284T	23.625	
284TS	23.625	16.000
286T	23.625	
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324T	25.750	
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404T	28.750	
404TS	28.750	
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444T	34.875	
444TS	34.875	
445T	36.875	
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447T	40.375	
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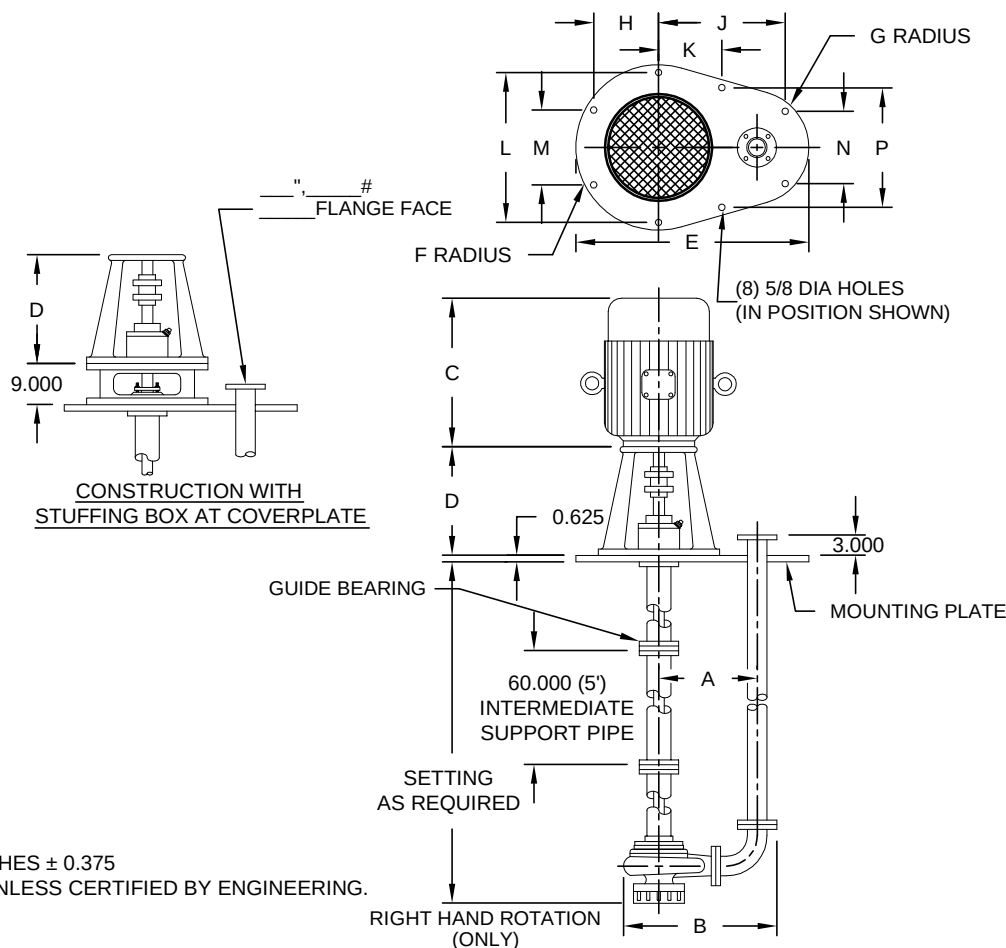
MODEL	A	B	E	F	G	H	J	K	L	M	N	P
2L1.5x3LF-13	14.500	27.000	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L1.5x3-13	14.500	27.000	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
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2L3x4-13HH	18.000	31.750	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
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320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES (ANSI B16.5) DISCHARGE CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 150 RF ☐ CLASS 300 RF ☐ SPECIAL ☐	OPTIONAL TAP CONNECTION <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQUIRED 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 CONNECTION</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONNECTION</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONNECTION</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONNECTION</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQUIRED SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONNECTION	III		DISCHARGE NOZZLE CONNECTION	IV		AUXILIARY CONNECTION	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONNECTION	VII		BOTTOM TAP IN STUFFING BOX
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FRAME	C	D
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143T	11.000	
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184T	14.250	
213T	15.250	12.500
215T	16.750	
254T	16.125	
256T	19.875	
284T	23.625	
284TS	23.625	16.000
286T	23.625	
286TS	23.625	
324T	25.750	
324TS	25.250	
326T	25.750	
326TS	25.250	
364T	27.125	
364TS	27.250	
365T	27.125	
365TS	27.250	
404T	28.750	
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405T	30.750	
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444T	34.875	
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445T	36.875	
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447T	40.375	
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NOTES:

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MODEL	A	B	E	F	G	H	J	K	L	M	N	P
2L1.5x3LF-13	14.500	27.000	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L1.5x3-13	14.500	27.000	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L2x3-13	16.000	29.000	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L3x4-13	18.000	31.750	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
2L3x4-13HH	18.000	31.750	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
2L4x6-13	20.000	34.500	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544

CUSTOMER						P.O. NUMBER		 WARNING DO NOT OPERATE THIS MACHINE WITH OUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.
JOB NAME						TAG NAME		
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION		
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE		
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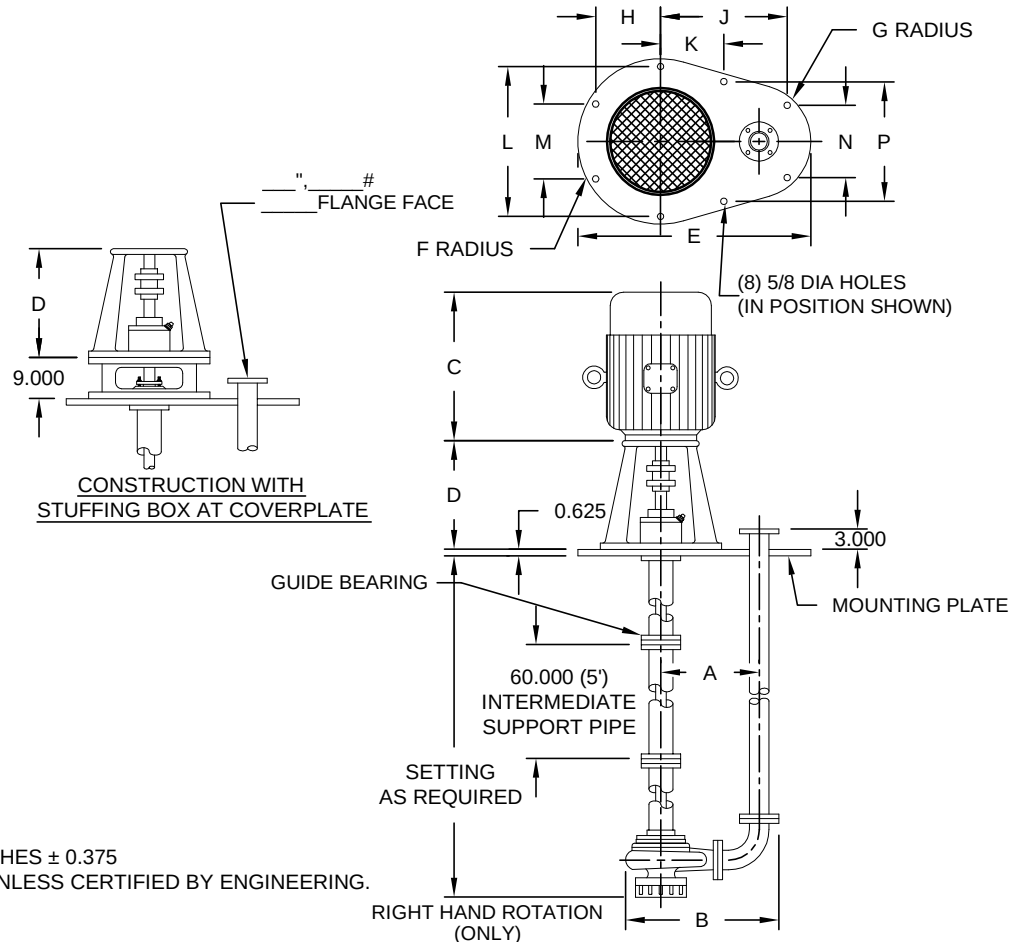
AMERICAN-MARSH PUMPS

A WILO BRAND

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES (ANSI B16.5) DISCHARGE CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 150 RF ☐ CLASS 300 RF ☐ SPECIAL ☐	OPTIONAL TAP CONNECTION <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQUIRED 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 CONNECTION</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONNECTION</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONNECTION</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONNECTION</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQUIRED SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONNECTION	III		DISCHARGE NOZZLE CONNECTION	IV		AUXILIARY CONNECTION	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONNECTION	VII		BOTTOM TAP IN STUFFING BOX
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FRAME	C	D
56C	10.250	9.750
143T	11.000	
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182T	13.500	
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MODEL	A	B	E	F	G	H	J	K	L	M	N	P
2L1x2LF-10A	12.500	23.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
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2L1.5x3-10A	12.500	23.750	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
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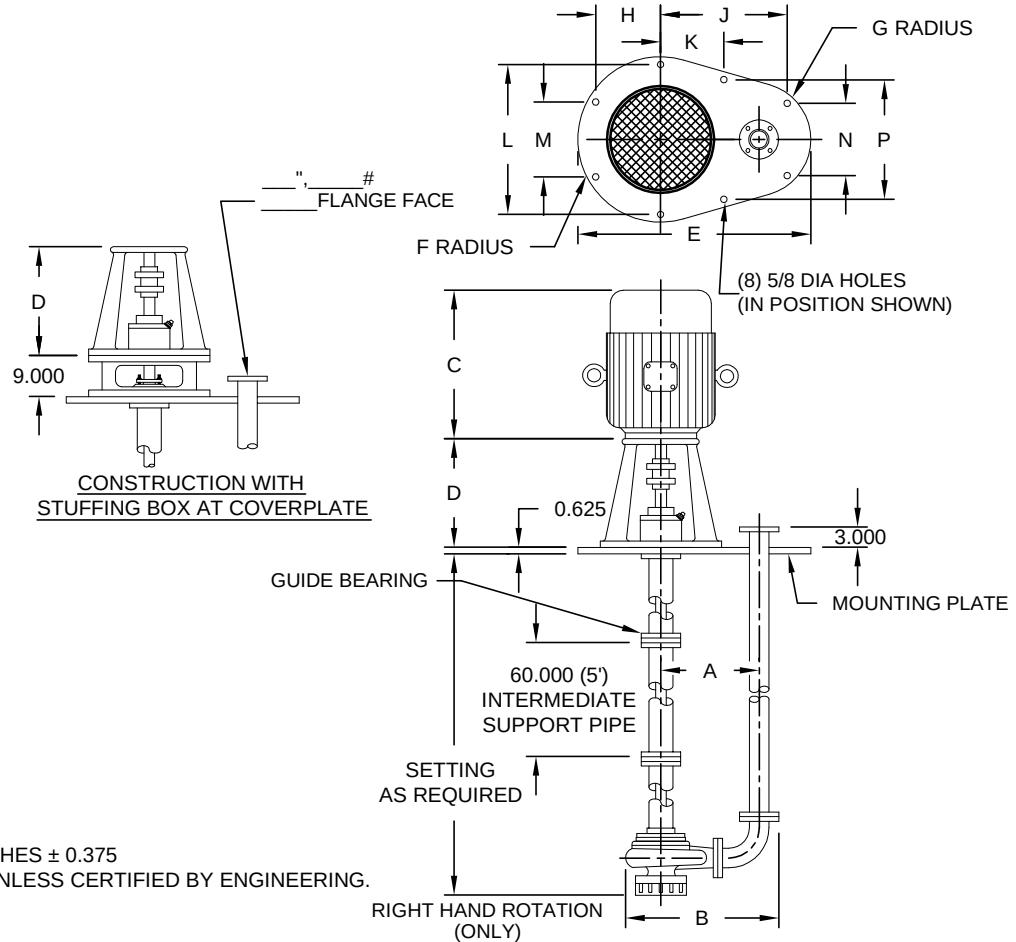
DATE: 8/11/09

320-0010

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES (ANSI B16.5) DISCHARGE CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 150 RF ☐ CLASS 300 RF ☐ SPECIAL ☐	OPTIONAL TAP CONNECTION <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQUIRED 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 CONNECTION</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONNECTION</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONNECTION</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONNECTION</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQUIRED SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONNECTION	III		DISCHARGE NOZZLE CONNECTION	IV		AUXILIARY CONNECTION	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONNECTION	VII		BOTTOM TAP IN STUFFING BOX
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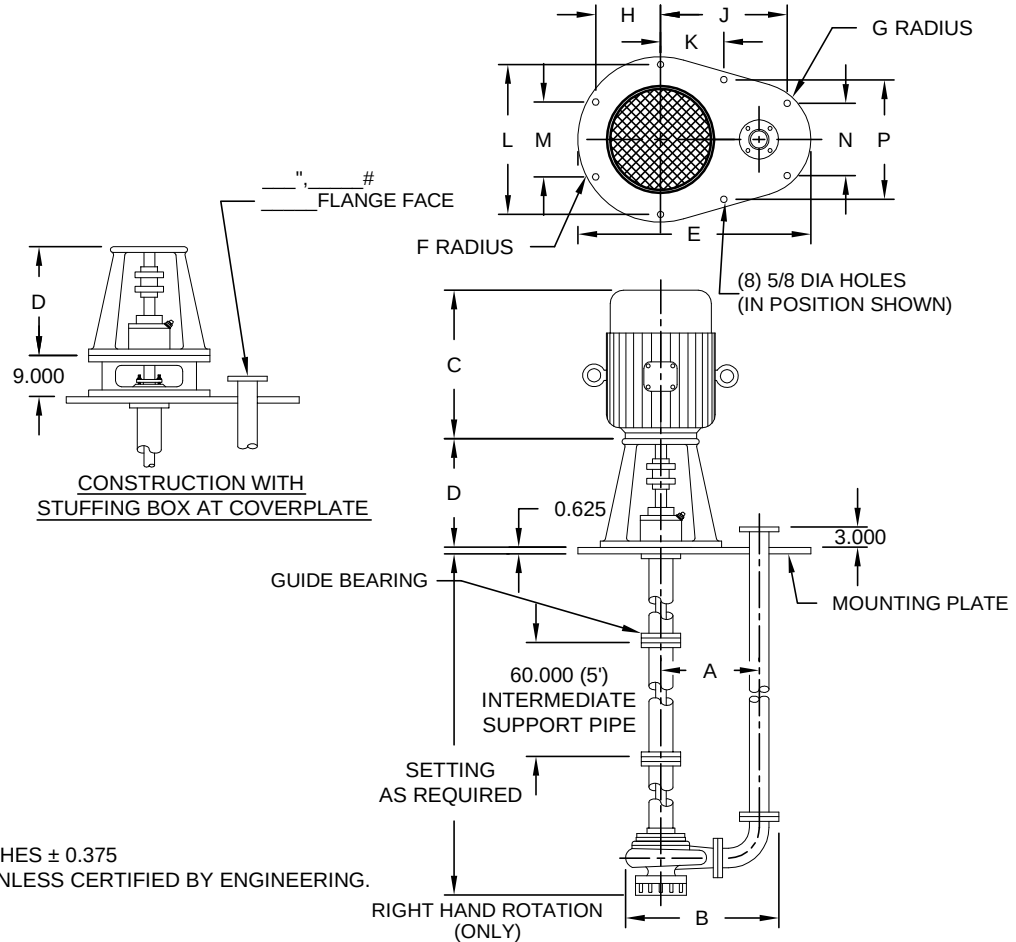
MODEL	A	B	E	F	G	H	J	K	L	M	N	P
2L1x2LF-10A	12.500	23.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
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PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION		
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE		
CERTIFIED FOR			CERTIFIED BY		DATE			

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES (ANSI B16.5) DISCHARGE CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 150 RF ☐ CLASS 300 RF ☐ SPECIAL _____ ☐	OPTIONAL TAP CONNECTION <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQUIRED 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 CONNECTION</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONNECTION</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONNECTION</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONNECTION</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQUIRED SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONNECTION	III		DISCHARGE NOZZLE CONNECTION	IV		AUXILIARY CONNECTION	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONNECTION	VII		BOTTOM TAP IN STUFFING BOX
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56C	10.250	9.750
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NOTES:

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MODEL	A	B	E	F	G	H	J	K	L	M	N	P
1J 1x1.5LF-4	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1x1.5-6	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1.5x3-6	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L2x3-6	11.000	19.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1x1.5LF-8	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1x1.5-8	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1.5x3-8	11.500	21.000	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
2L2x3-8	14.000	25.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
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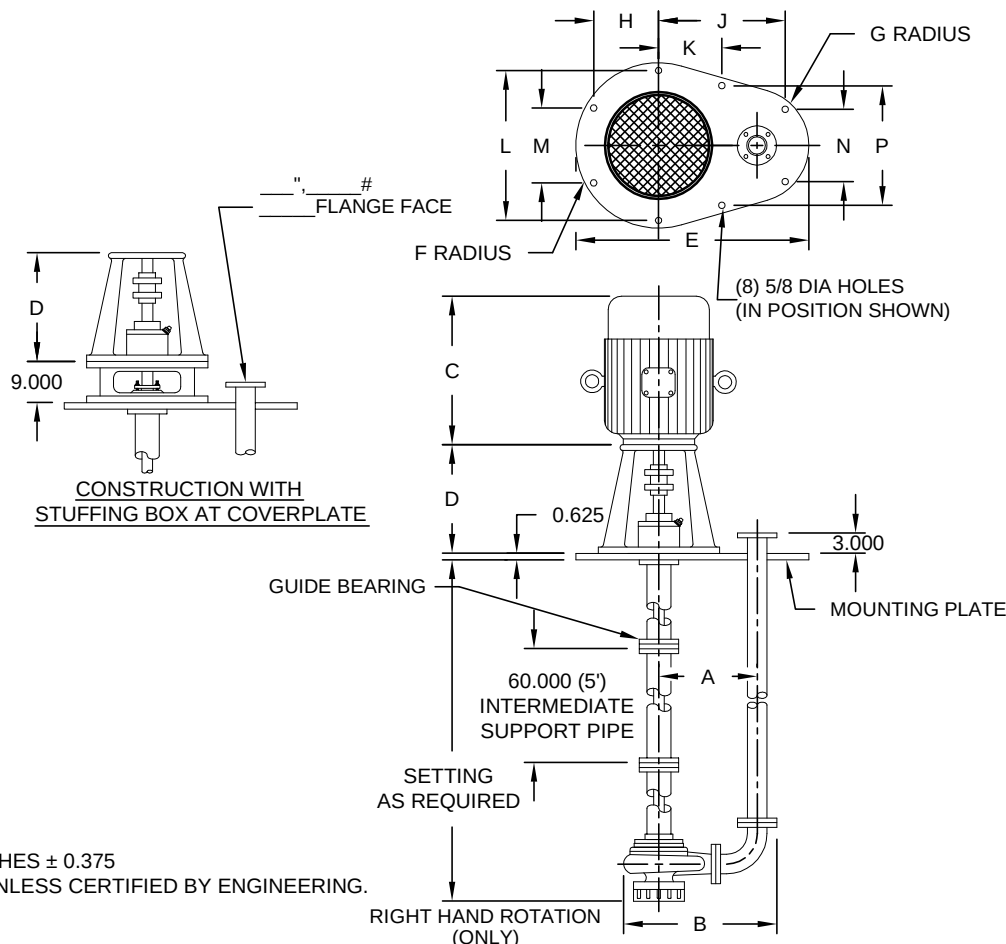
AMERICAN-MARSH PUMPS

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320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW	AVAILABLE FLANGES (ANSI B16.5)	OPTIONAL TAP CONNECTION																								
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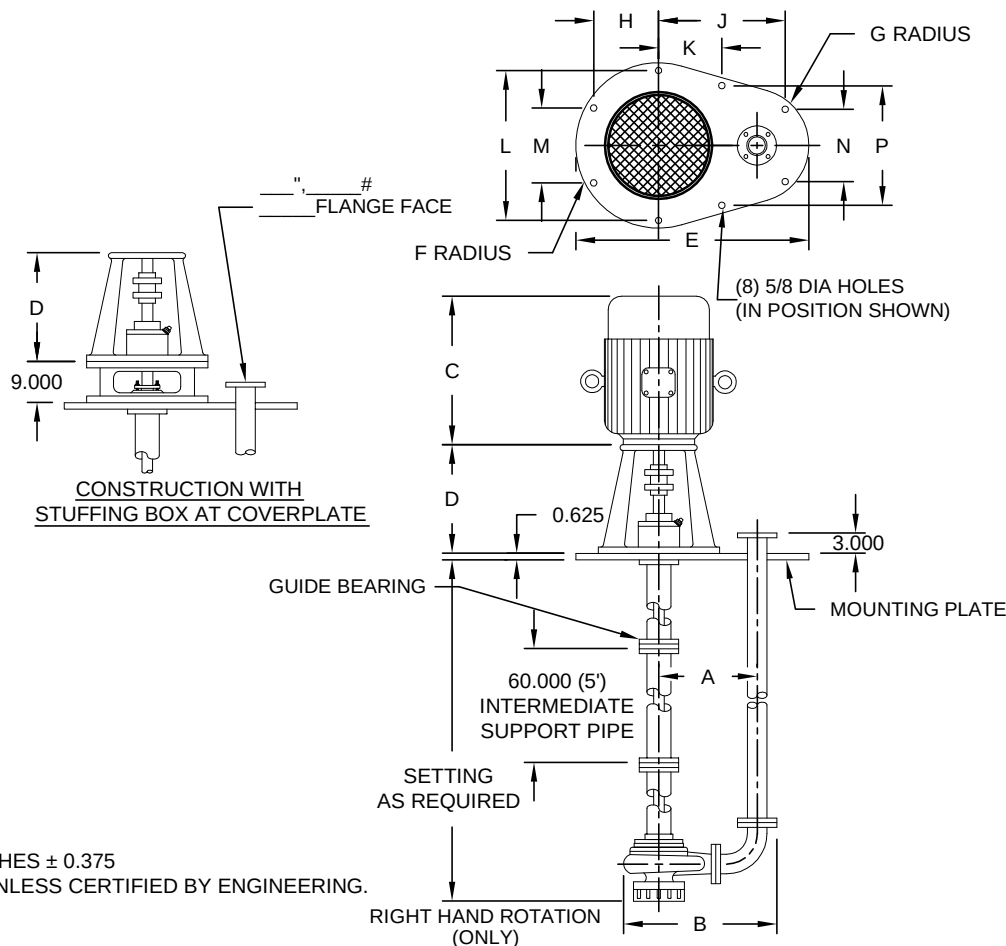
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III		DISCHARGE NOZZLE CONNECTION																								
IV		AUXILIARY CONNECTION																								
V		STUFFING BOX																								
VI		BACK DRILLED SEAL FLUSH CONNECTION																								
VII		BOTTOM TAP IN STUFFING BOX																								

FRAME	C	D
56C	10.250	9.750
143T	11.000	
145T	11.000	
182T	13.500	
184T	14.250	
213T	15.250	12.500
215T	16.750	
254T	16.125	
256T	19.875	
284T	23.625	
284TS	23.625	16.000
286T	23.625	
286TS	23.625	
324T	25.750	
324TS	25.250	
326T	25.750	
326TS	25.250	
364T	27.125	
364TS	27.250	
365T	27.125	
365TS	27.250	
404T	28.750	
404TS	28.750	
405T	30.750	
405TS	30.750	
444T	34.875	
444TS	34.875	
445T	36.875	
445TS	36.875	
447T	40.375	
447TS	40.375	
449T	46.375	
449TS	46.625	



NOTES:

1. ALL DIMENSIONS ARE IN INCHES ± 0.375
2. NOT FOR CONSTRUCTION UNLESS CERTIFIED BY ENGINEERING.

MODEL	A	B	E	F	G	H	J	K	L	M	N	P
2L1.5x3LF-13	14.500	27.000	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L1.5x3-13	14.500	27.000	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L2x3-13	16.000	29.000	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L3x4-13	18.000	31.750	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
2L3x4-13HH	18.000	31.750	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
2L4x6-13	20.000	34.500	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544

CUSTOMER						P.O. NUMBER	
JOB NAME						TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION	
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE	
CERTIFIED FOR			CERTIFIED BY		DATE		

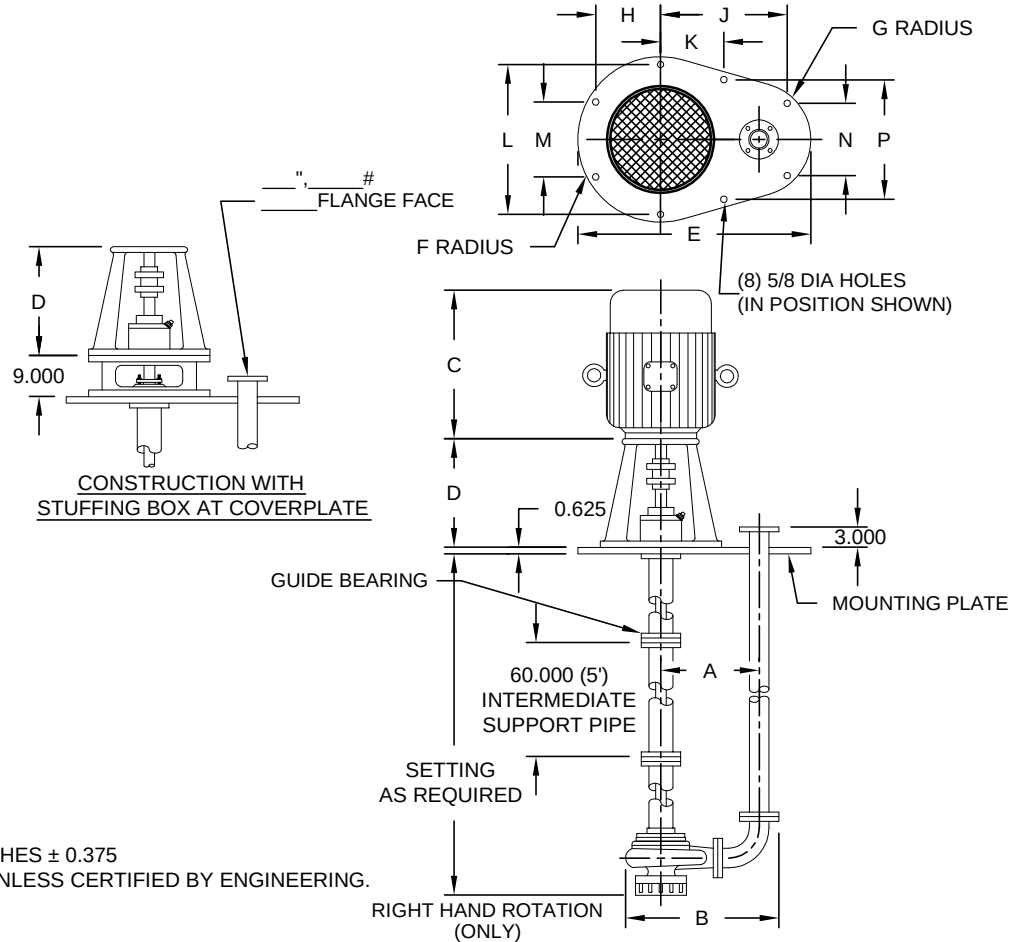
WARNING

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

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

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

FRAME	C	D
56C	10.250	9.750
143T	11.000	
145T	11.000	
182T	13.500	
184T	14.250	
213T	15.250	12.500
215T	16.750	
254T	16.125	
256T	19.875	
284T	23.625	
284TS	23.625	16.000
286T	23.625	
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324T	25.750	
324TS	25.250	
326T	25.750	
326TS	25.250	
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444T	34.875	
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445TS	36.875	
447T	40.375	
447TS	40.375	
449T	46.375	
449TS	46.625	



NOTES:

1. ALL DIMENSIONS ARE IN INCHES ± 0.375
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MODEL	A	B	E	F	G	H	J	K	L	M	N	P
1J 1x1.5LF-4	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1x1.5-6	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1.5x3-6	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L2x3-6	11.000	19.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1x1.5LF-8	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1x1.5-8	10.500	18.250	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
1L1.5x3-8	11.500	21.000	25.000	8.000	5.500	6.279	14.711	7.500	14.500	7.250	7.000	11.514
2L2x3-8	14.000	25.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L3x4-8	16.500	28.500	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.625

CUSTOMER						P.O. NUMBER		⚠ WARNING DO NOT OPERATE THIS MACHINE WITH OUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.
JOB NAME						TAG NAME		
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION		
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE		
CERTIFIED FOR			CERTIFIED BY		DATE			



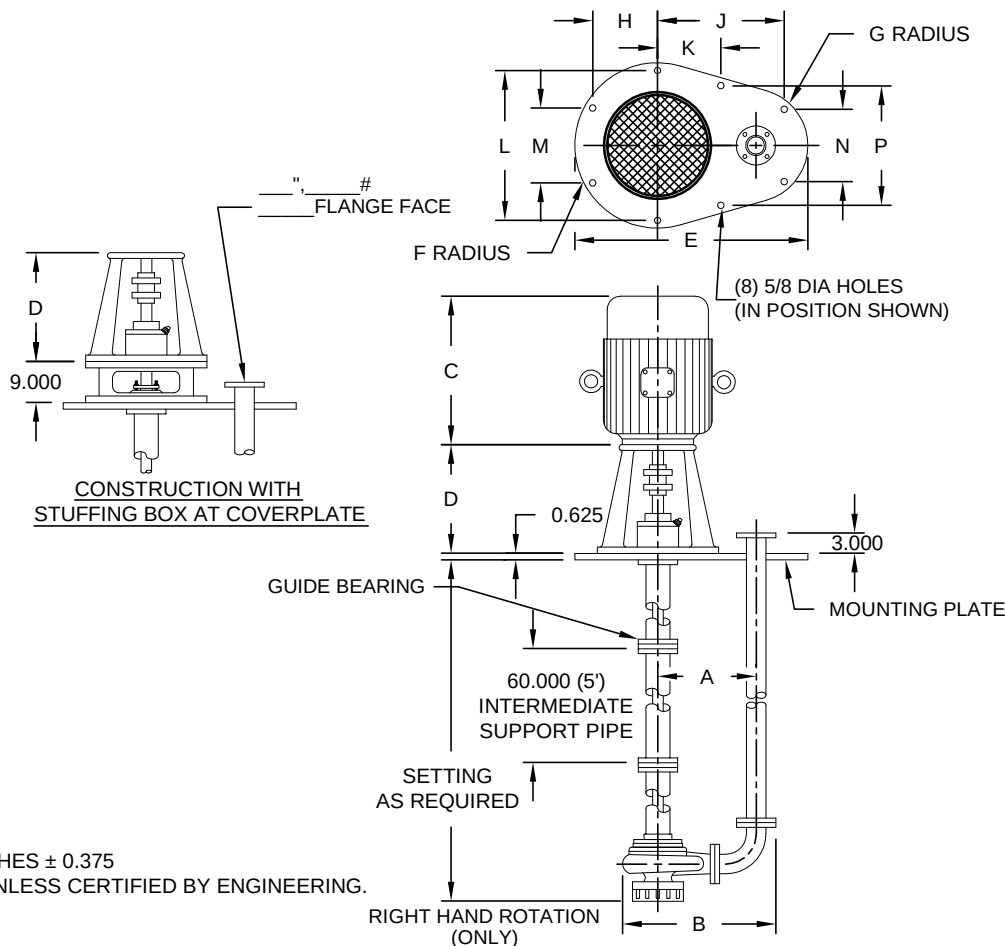
AMERICAN-MARSH PUMPS

A WILO BRAND

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES (ANSI B16.5) DISCHARGE CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 150 RF ☐ CLASS 300 RF ☐ SPECIAL ☐	OPTIONAL TAP CONNECTION <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQUIRED 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 CONNECTION</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONNECTION</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONNECTION</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONNECTION</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQUIRED SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONNECTION	III		DISCHARGE NOZZLE CONNECTION	IV		AUXILIARY CONNECTION	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONNECTION	VII		BOTTOM TAP IN STUFFING BOX
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FRAME	C	D
56C	10.250	9.750
143T	11.000	
145T	11.000	
182T	13.500	
184T	14.250	
213T	15.250	12.500
215T	16.750	
254T	16.125	
256T	19.875	
284T	23.625	
284TS	23.625	16.000
286T	23.625	
286TS	23.625	
324T	25.750	
324TS	25.250	
326T	25.750	
326TS	25.250	
364T	27.125	
364TS	27.250	
365T	27.125	
365TS	27.250	
404T	28.750	
404TS	28.750	
405T	30.750	
405TS	30.750	
444T	34.875	
444TS	34.875	
445T	36.875	
445TS	36.875	
447T	40.375	
447TS	40.375	
449T	46.375	
449TS	46.625	



NOTES:

1. ALL DIMENSIONS ARE IN INCHES ± 0.375
2. NOT FOR CONSTRUCTION UNLESS CERTIFIED BY ENGINEERING.

MODEL	A	B	E	F	G	H	J	K	L	M	N	P
2L1x2LF-10A	12.500	23.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L1x2-10A	12.500	23.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L1.5x3-10A	12.500	23.750	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L2x3-10A	14.000	25.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L3x4-10	16.500	28.500	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L3x4-10H	18.000	31.750	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
2L4x6-10	20.000	34.500	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
2L4x6-10H	20.000	34.500	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544

CUSTOMER						P.O. NUMBER		⚠ WARNING DO NOT OPERATE THIS MACHINE WITH OUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.
JOB NAME						TAG NAME		
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION		
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE		
CERTIFIED FOR			CERTIFIED BY		DATE			

DATE: 8/11/09

320-0010

**AMERICAN-MARSH PUMPS**

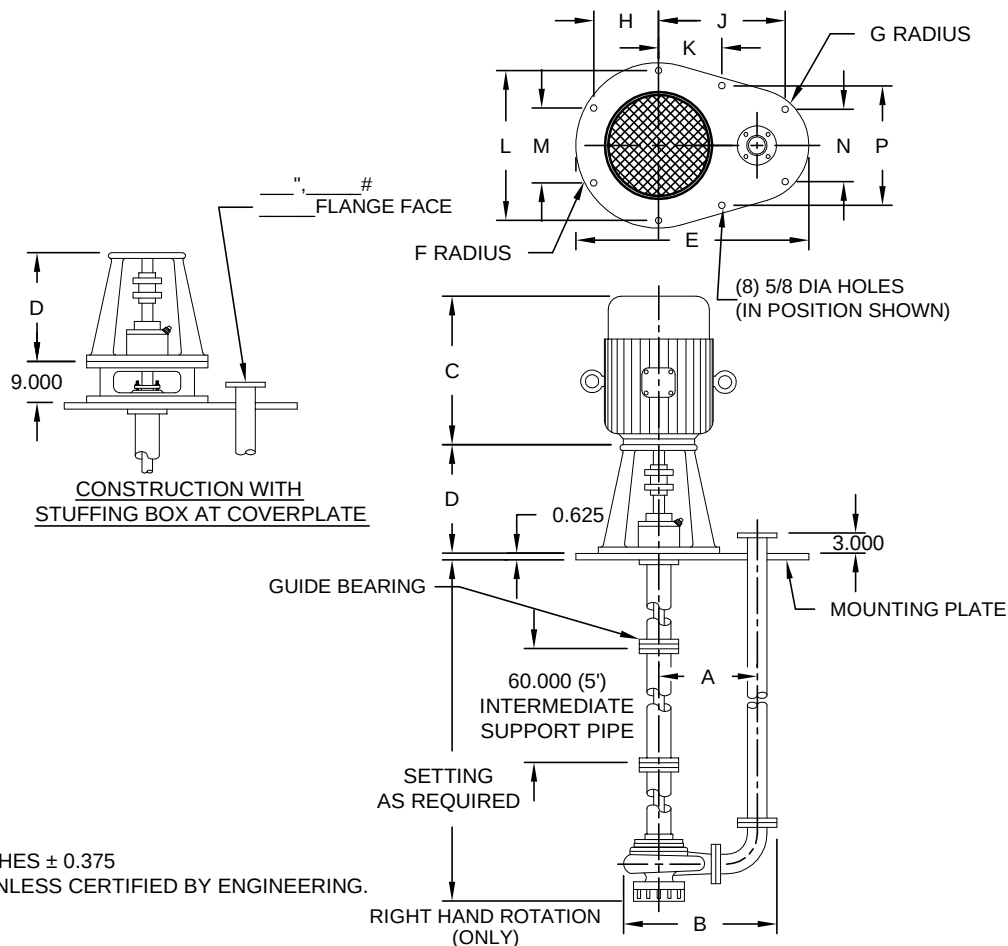
A WILO BRAND

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

**SUPPLEMENT DRAWINGS
ATTACHED WHEN LISTED BELOW**
AVAILABLE FLANGES (ANSI B16.5)
DISCHARGE
CLASS 150 FF ☐CLASS 150 RF ☐SPECIAL ☐NPT ☐CLASS 300 FF ☐CLASS 300 RF ☐☐
OPTIONAL TAP CONNECTION

TAP	REQUIRED SIZE	
I		CASING DRAIN
II		SUCTION NOZZLE CONNECTION
III		DISCHARGE NOZZLE CONNECTION
IV		AUXILIARY CONNECTION
V		STUFFING BOX
VI		BACK DRILLED SEAL FLUSH CONNECTION
VII		BOTTOM TAP IN STUFFING BOX

FRAME	C	D
56C	10.250	9.750
143T	11.000	
145T	11.000	
182T	13.500	
184T	14.250	
213T	15.250	12.500
215T	16.750	
254T	16.125	
256T	19.875	
284T	23.625	
284TS	23.625	16.000
286T	23.625	
286TS	23.625	
324T	25.750	
324TS	25.250	
326T	25.750	
326TS	25.250	
364T	27.125	
364TS	27.250	
365T	27.125	
365TS	27.250	
404T	28.750	
404TS	28.750	
405T	30.750	
405TS	30.750	
444T	34.875	
444TS	34.875	
445T	36.875	
445TS	36.875	
447T	40.375	
447TS	40.375	
449T	46.375	
449TS	46.625	


NOTES:

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MODEL	A	B	E	F	G	H	J	K	L	M	N	P
2L1x2LF-10A	12.500	23.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L1x2-10A	12.500	23.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
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2L4x6-10	20.000	34.500	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
2L4x6-10H	20.000	34.500	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544

CUSTOMER						P.O. NUMBER	
JOB NAME						TAG NAME	
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION	
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE	
CERTIFIED FOR			CERTIFIED BY		DATE		

WARNING

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**AMERICAN-MARSH PUMPS**

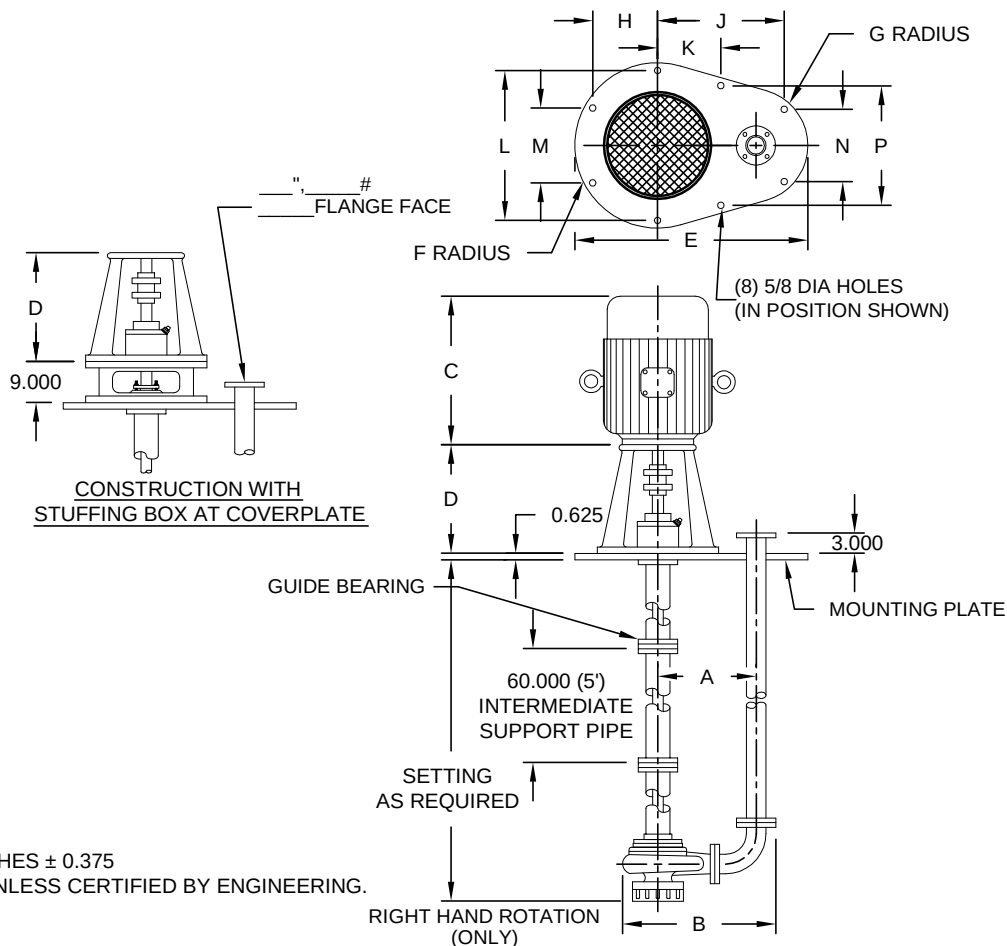
A WILO BRAND

320 SERIES SOSM

VERTICAL PROCESS SUMP PUMP

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES (ANSI B16.5) DISCHARGE CLASS 150 FF ☐ CLASS 150 RF ☐ SPECIAL _____ NPT ☐ CLASS 300 FF ☐ CLASS 300 RF ☐ ☐	OPTIONAL TAP CONNECTION <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQUIRED 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 CONNECTION</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONNECTION</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONNECTION</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONNECTION</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQUIRED SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONNECTION	III		DISCHARGE NOZZLE CONNECTION	IV		AUXILIARY CONNECTION	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONNECTION	VII		BOTTOM TAP IN STUFFING BOX
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FRAME	C	D
56C	10.250	9.750
143T	11.000	
145T	11.000	
182T	13.500	
184T	14.250	
213T	15.250	12.500
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256T	19.875	
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284TS	23.625	16.000
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324TS	25.250	
326T	25.750	
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MODEL	A	B	E	F	G	H	J	K	L	M	N	P
2L1.5x3LF-13	14.500	27.000	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
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CUSTOMER						P.O. NUMBER		⚠ WARNING DO NOT OPERATE THIS MACHINE WITH OUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.
JOB NAME						TAG NAME		
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION		
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE		
CERTIFIED FOR			CERTIFIED BY		DATE			

DATE: 8/11/09

320-0011

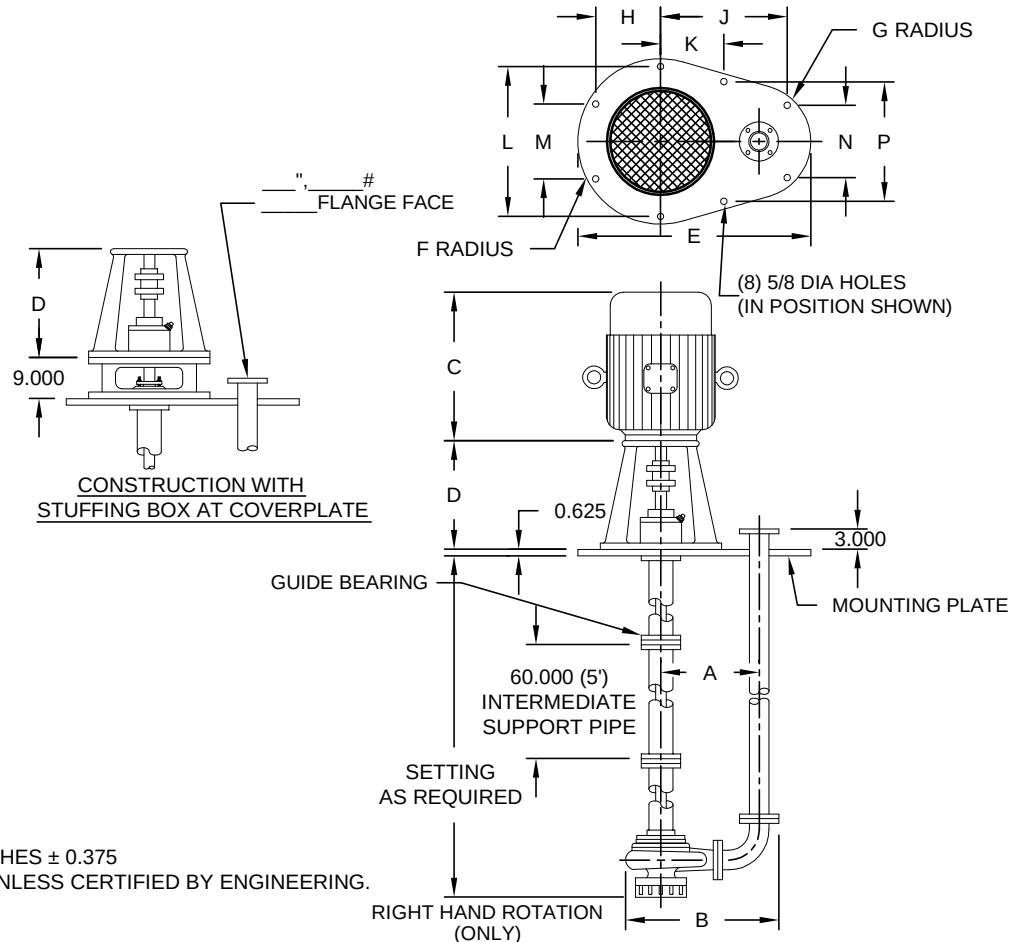
**AMERICAN-MARSH PUMPS**

A WILO BRAND

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW	AVAILABLE FLANGES (ANSI B16.5)	OPTIONAL TAP CONNECTION																								
	DISCHARGE CLASS 150 FF CLASS 150 RF SPECIAL _____	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQUIRED 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 CONNECTION</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONNECTION</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONNECTION</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONNECTION</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQUIRED SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONNECTION	III		DISCHARGE NOZZLE CONNECTION	IV		AUXILIARY CONNECTION	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONNECTION	VII		BOTTOM TAP IN STUFFING BOX
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143T	11.000	
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326T	25.750	
326TS	25.250	
364T	27.125	
364TS	27.250	
365T	27.125	
365TS	27.250	
404T	28.750	
404TS	28.750	
405T	30.750	
405TS	30.750	
444T	34.875	
444TS	34.875	
445T	36.875	
445TS	36.875	
447T	40.375	
447TS	40.375	
449T	46.375	
449TS	46.625	

**NOTES:**

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

MODEL	A	B	E	F	G	H	J	K	L	M	N	P
2L1.5x3LF-13	14.500	27.000	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L1.5x3-13	14.500	27.000	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L2x3-13	16.000	29.000	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L3x4-13	18.000	31.750	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
2L3x4-13HH	18.000	31.750	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
2L4x6-13	20.000	34.500	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544

CUSTOMER						P.O. NUMBER		⚠ WARNING DO NOT OPERATE THIS MACHINE WITH OUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.
JOB NAME						TAG NAME		
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION		
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE		
CERTIFIED FOR			CERTIFIED BY		DATE			

DATE: 8/11/09

320-0011

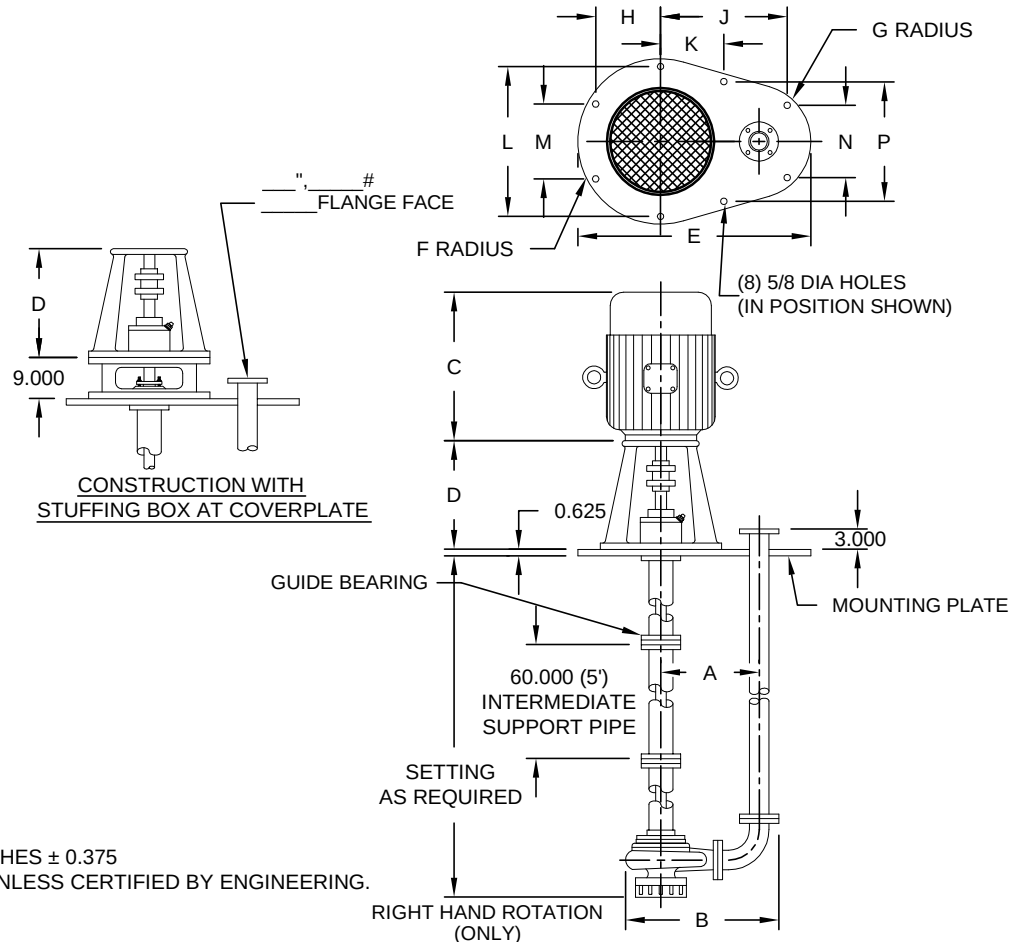
**AMERICAN-MARSH PUMPS**

A WILO BRAND

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

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

FRAME	C	D
56C	10.250	9.750
143T	11.000	
145T	11.000	
182T	13.500	
184T	14.250	
213T	15.250	12.500
215T	16.750	
254T	16.125	
256T	19.875	
284T	23.625	
284TS	23.625	16.000
286T	23.625	
286TS	23.625	
324T	25.750	
324TS	25.250	
326T	25.750	
326TS	25.250	
364T	27.125	
364TS	27.250	
365T	27.125	
365TS	27.250	
404T	28.750	
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405TS	30.750	
444T	34.875	
444TS	34.875	
445T	36.875	
445TS	36.875	
447T	40.375	
447TS	40.375	
449T	46.375	
449TS	46.625	

**NOTES:**

1. ALL DIMENSIONS ARE IN INCHES ± 0.375
2. NOT FOR CONSTRUCTION UNLESS CERTIFIED BY ENGINEERING.

MODEL	A	B	E	F	G	H	J	K	L	M	N	P
2L1x2LF-10A	12.500	23.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L1x2-10A	12.500	23.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L1.5x3-10A	12.500	23.750	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L2x3-10A	14.000	25.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L3x4-10	16.500	28.500	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L3x4-10H	18.000	31.750	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
2L4x6-10	20.000	34.500	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
2L4x6-10H	20.000	34.500	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544

CUSTOMER						P.O. NUMBER		⚠ WARNING DO NOT OPERATE THIS MACHINE WITH OUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.
JOB NAME						TAG NAME		
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION		
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE		
CERTIFIED FOR			CERTIFIED BY		DATE			

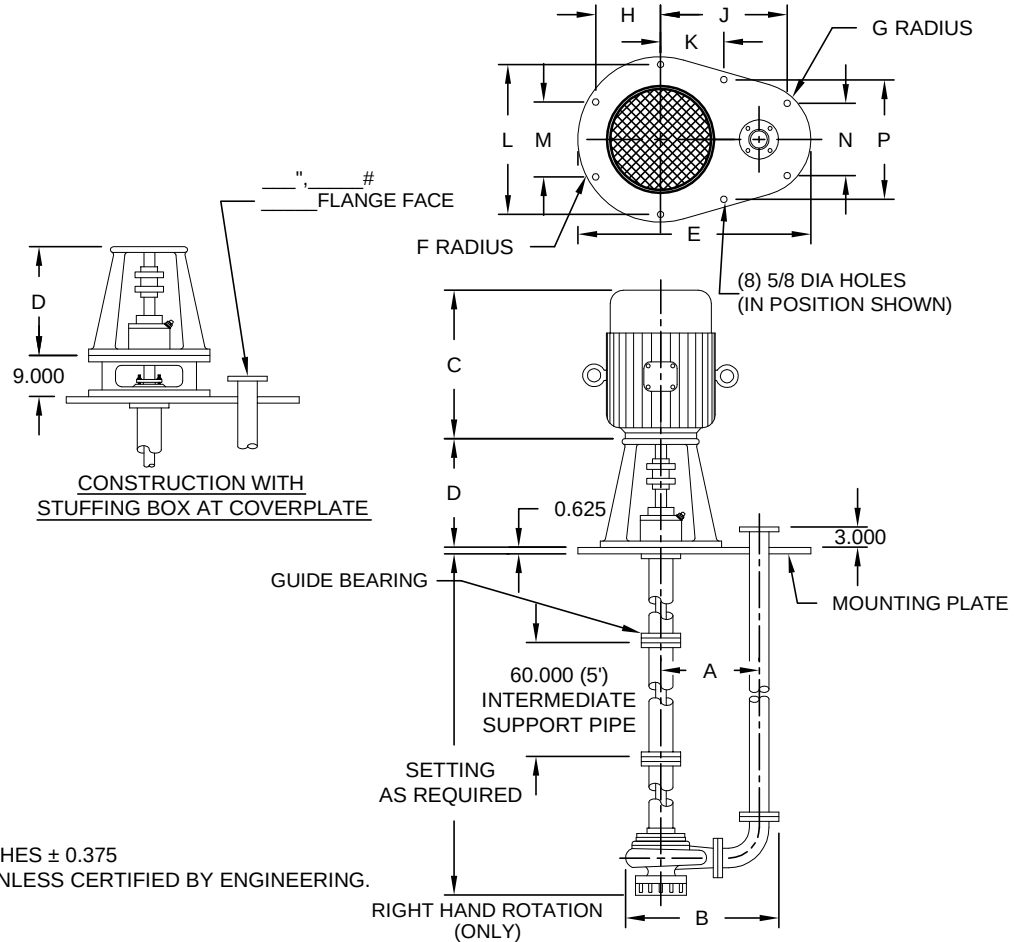
DATE: 8/11/09

320-0010

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

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

FRAME	C	D
56C	10.250	9.750
143T	11.000	
145T	11.000	
182T	13.500	
184T	14.250	
213T	15.250	12.500
215T	16.750	
254T	16.125	
256T	19.875	
284T	23.625	
284TS	23.625	16.000
286T	23.625	
286TS	23.625	
324T	25.750	
324TS	25.250	
326T	25.750	
326TS	25.250	
364T	27.125	
364TS	27.250	
365T	27.125	
365TS	27.250	
404T	28.750	
404TS	28.750	
405T	30.750	
405TS	30.750	
444T	34.875	
444TS	34.875	
445T	36.875	
445TS	36.875	
447T	40.375	
447TS	40.375	
449T	46.375	
449TS	46.625	



NOTES:

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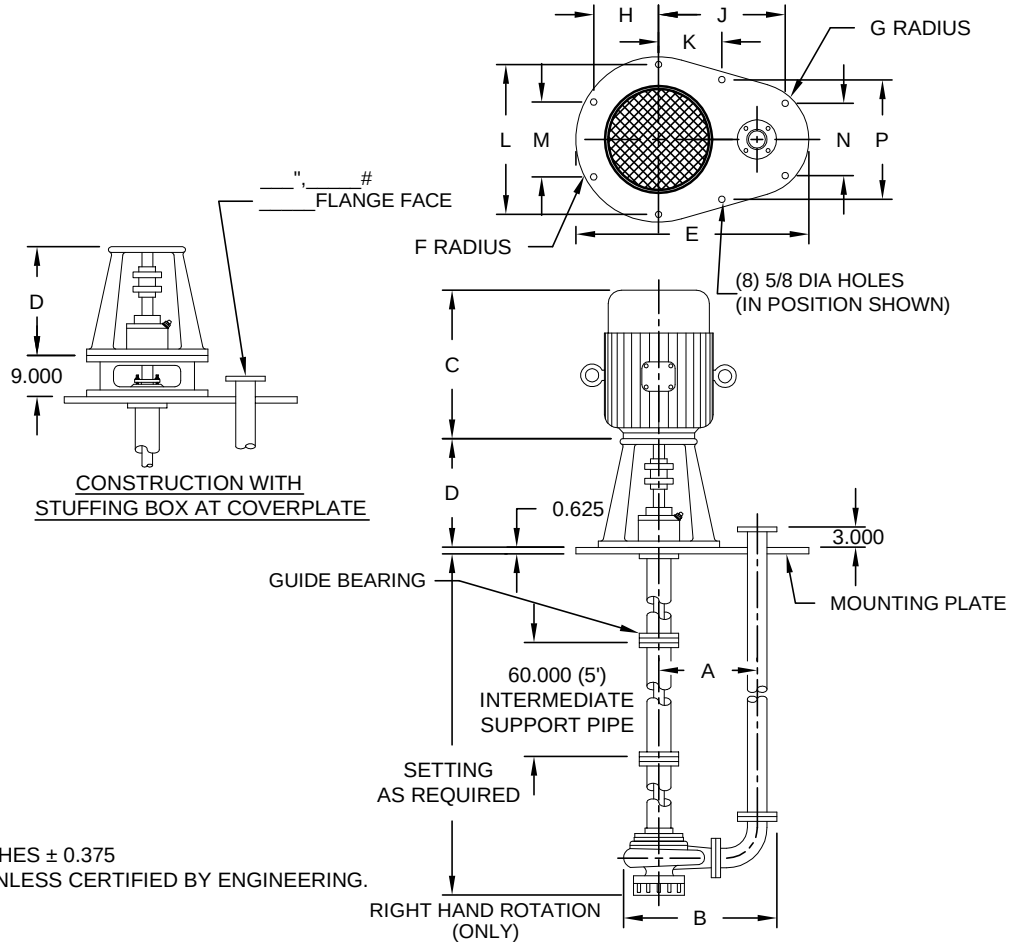
MODEL	A	B	E	F	G	H	J	K	L	M	N	P
2L1x2LF-10A	12.500	23.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L1x2-10A	12.500	23.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L1.5x3-10A	12.500	23.750	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L2x3-10A	14.000	25.250	30.000	10.000	6.000	8.011	17.913	9.000	18.500	9.250	7.000	13.938
2L3x4-10	16.500	28.500	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L3x4-10H	18.000	31.750	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
2L4x6-10	20.000	34.500	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
2L4x6-10H	20.000	34.500	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544

CUSTOMER						P.O. NUMBER		WARNING DO NOT OPERATE THIS MACHINE WITH OUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.
JOB NAME						TAG NAME		
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION		
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE		
CERTIFIED FOR			CERTIFIED BY		DATE			

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

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

FRAME	C	D
56C	10.250	9.750
143T	11.000	
145T	11.000	
182T	13.500	
184T	14.250	
213T	15.250	12.500
215T	16.750	
254T	16.125	
256T	19.875	
284T	23.625	
284TS	23.625	16.000
286T	23.625	
286TS	23.625	
324T	25.750	
324TS	25.250	
326T	25.750	
326TS	25.250	
364T	27.125	
364TS	27.250	
365T	27.125	
365TS	27.250	
404T	28.750	
404TS	28.750	
405T	30.750	
405TS	30.750	
444T	34.875	
444TS	34.875	
445T	36.875	
445TS	36.875	
447T	40.375	
447TS	40.375	
449T	46.375	
449TS	46.625	



NOTES:

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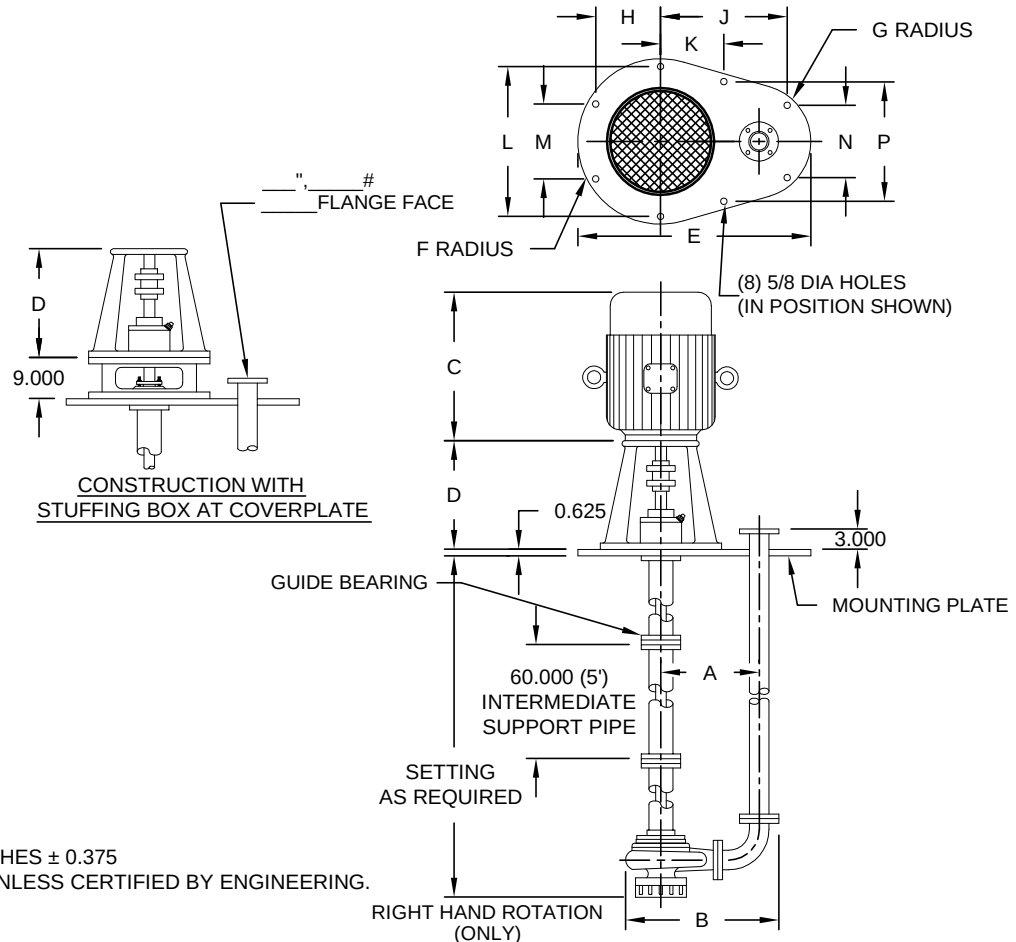
MODEL	A	B	E	F	G	H	J	K	L	M	N	P
2L1.5x3LF-13	14.500	27.000	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L1.5x3-13	14.500	27.000	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L2x3-13	16.000	29.000	35.000	11.250	7.000	9.094	20.500	10.375	21.000	10.500	10.000	16.268
2L3x4-13	18.000	31.750	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
2L3x4-13HH	18.000	31.750	40.000	13.000	9.000	10.609	24.562	12.250	24.500	12.250	10.000	19.544
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CUSTOMER						P.O. NUMBER		 WARNING DO NOT OPERATE THIS MACHINE WITH OUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.
JOB NAME						TAG NAME		
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION		
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE		
CERTIFIED FOR			CERTIFIED BY		DATE			

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

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

FRAME	C	D
56C	10.250	9.750
143T	11.000	
145T	11.000	
182T	13.500	
184T	14.250	
213T	15.250	12.500
215T	16.750	
254T	16.125	
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284T	23.625	
284TS	23.625	16.000
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444T	34.875	
444TS	34.875	
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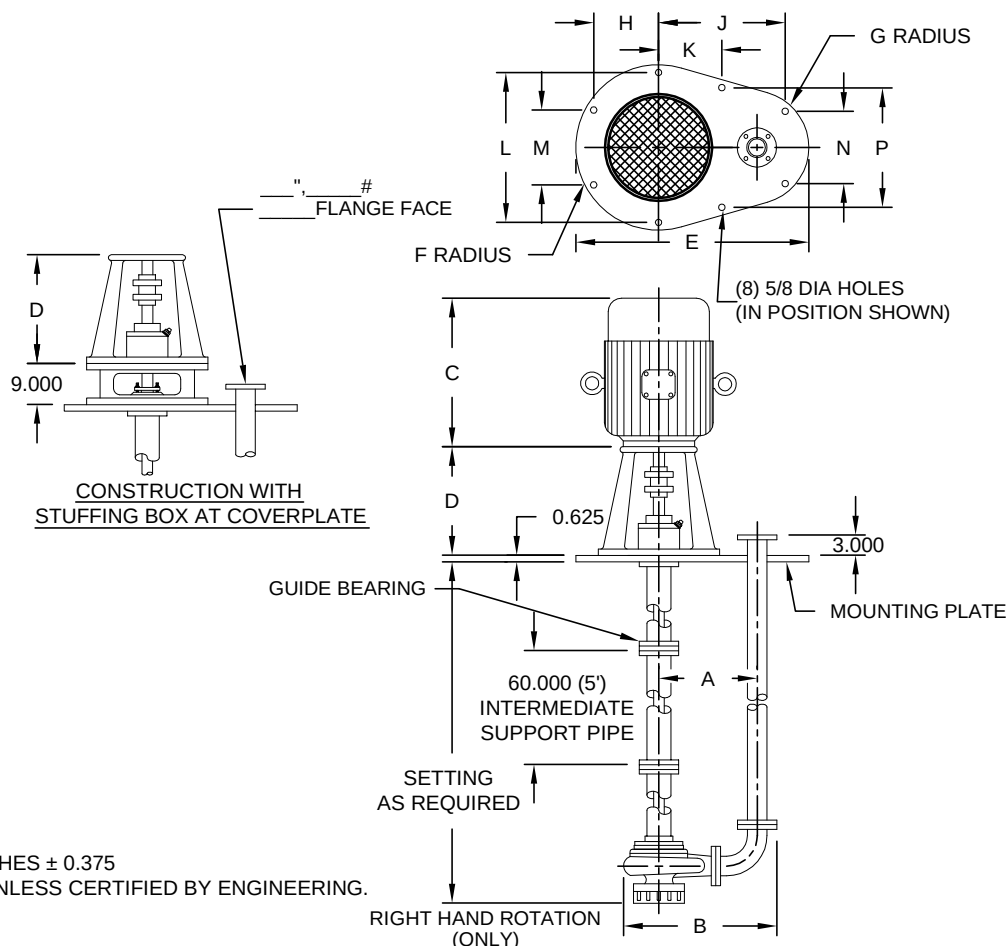
MODEL	A	B	E	F	G	H	J	K	L	M	N	P
3L6x8-14A	24.000	44.000	50.000	15.000	11.000	13.341	31.925	16.000	28.500	14.250	13.000	26.098
3L8x10-14	27.000	48.250	55.000	16.750	12.000	13.856	35.057	17.500	32.000	16.000	14.000	26.098
3L-4x6-16	22.500	41.500	45.000	14.000	9.500	11.475	27.869	14.000	26.500	13.250	12.000	21.108
3L6x8-16A	26.000	46.000	55.000	16.750	12.000	13.856	35.057	17.500	32.000	16.000	14.000	26.098
3L8x10-16	28.000	49.250	55.000	16.750	12.000	13.856	35.057	17.500	32.000	16.000	14.000	26.098
3L8x10-16H	28.000	49.250	55.000	16.750	12.000	13.856	35.057	17.500	32.000	16.000	14.000	26.098

CUSTOMER						P.O. NUMBER		⚠ WARNING DO NOT OPERATE THIS MACHINE WITH OUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.
JOB NAME						TAG NAME		
PUMP SIZE AND MODEL		GPM	TDH	RPM	ROTATION	DISCHARGE POSITION		
MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE		
CERTIFIED FOR			CERTIFIED BY		DATE			

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW	AVAILABLE FLANGES (ANSI B16.5)	OPTIONAL TAP CONNECTION																								
	DISCHARGE CLASS 150 FF CLASS 150 RF NPT CLASS 300 FF CLASS 300 RF SPECIAL _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQUIRED 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 CONNECTION</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONNECTION</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONNECTION</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONNECTION</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQUIRED SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONNECTION	III		DISCHARGE NOZZLE CONNECTION	IV		AUXILIARY CONNECTION	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONNECTION	VII		BOTTOM TAP IN STUFFING BOX
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FRAME	C	D
56C	10.250	9.750
143T	11.000	
145T	11.000	
182T	13.500	
184T	14.250	
213T	15.250	12.500
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256T	19.875	
284T	23.625	
284TS	23.625	16.000
286T	23.625	
286TS	23.625	
324T	25.750	
324TS	25.250	
326T	25.750	
326TS	25.250	
364T	27.125	
364TS	27.250	
365T	27.125	
365TS	27.250	
404T	28.750	
404TS	28.750	
405T	30.750	
405TS	30.750	
444T	34.875	
444TS	34.875	
445T	36.875	
445TS	36.875	
447T	40.375	
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449T	46.375	
449TS	46.625	



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MODEL	A	B	E	F	G	H	J	K	L	M	N	P
3L6x8-14A	24.000	44.000	50.000	15.000	11.000	13.341	31.925	16.000	28.500	14.250	13.000	26.098
3L8x10-14	27.000	48.250	55.000	16.750	12.000	13.856	35.057	17.500	32.000	16.000	14.000	26.098
3L-4x6-16	22.500	41.500	45.000	14.000	9.500	11.475	27.869	14.000	26.500	13.250	12.000	21.108
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JOB NAME						TAG NAME		
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MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE		
CERTIFIED FOR			CERTIFIED BY		DATE			

**AMERICAN-MARSH PUMPS**

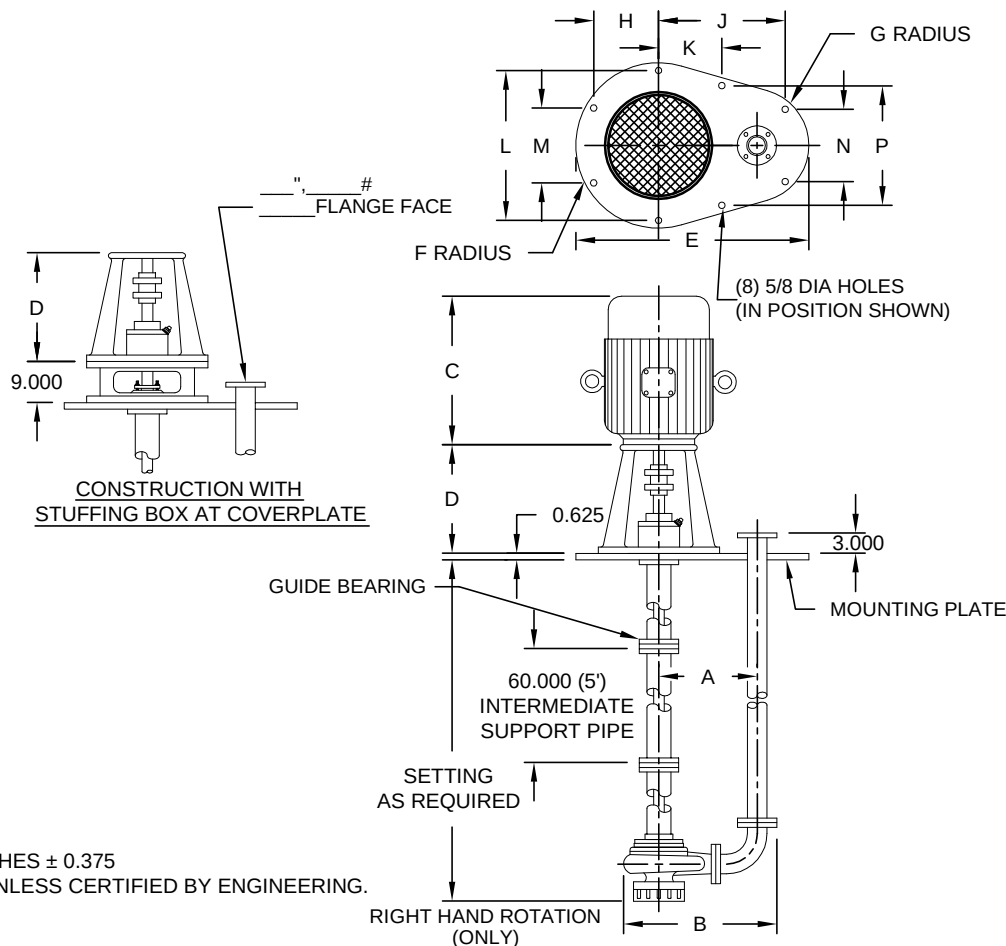
A WILO BRAND

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

**SUPPLEMENT DRAWINGS
ATTACHED WHEN LISTED BELOW**
AVAILABLE FLANGES (ANSI B16.5)
DISCHARGE
CLASS 150 FF ☐CLASS 150 RF ☐SPECIAL ☐NPT ☐CLASS 300 FF ☐CLASS 300 RF ☐☐
OPTIONAL TAP CONNECTION

TAP	REQUIRED SIZE	
I		CASING DRAIN
II		SUCTION NOZZLE CONNECTION
III		DISCHARGE NOZZLE CONNECTION
IV		AUXILIARY CONNECTION
V		STUFFING BOX
VI		BACK DRILLED SEAL FLUSH CONNECTION
VII		BOTTOM TAP IN STUFFING BOX

FRAME	C	D
56C	10.250	9.750
143T	11.000	
145T	11.000	
182T	13.500	
184T	14.250	
213T	15.250	12.500
215T	16.750	
254T	16.125	
256T	19.875	
284T	23.625	
284TS	23.625	16.000
286T	23.625	
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324TS	25.250	
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364TS	27.250	
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CERTIFIED FOR			CERTIFIED BY		DATE		

WARNING

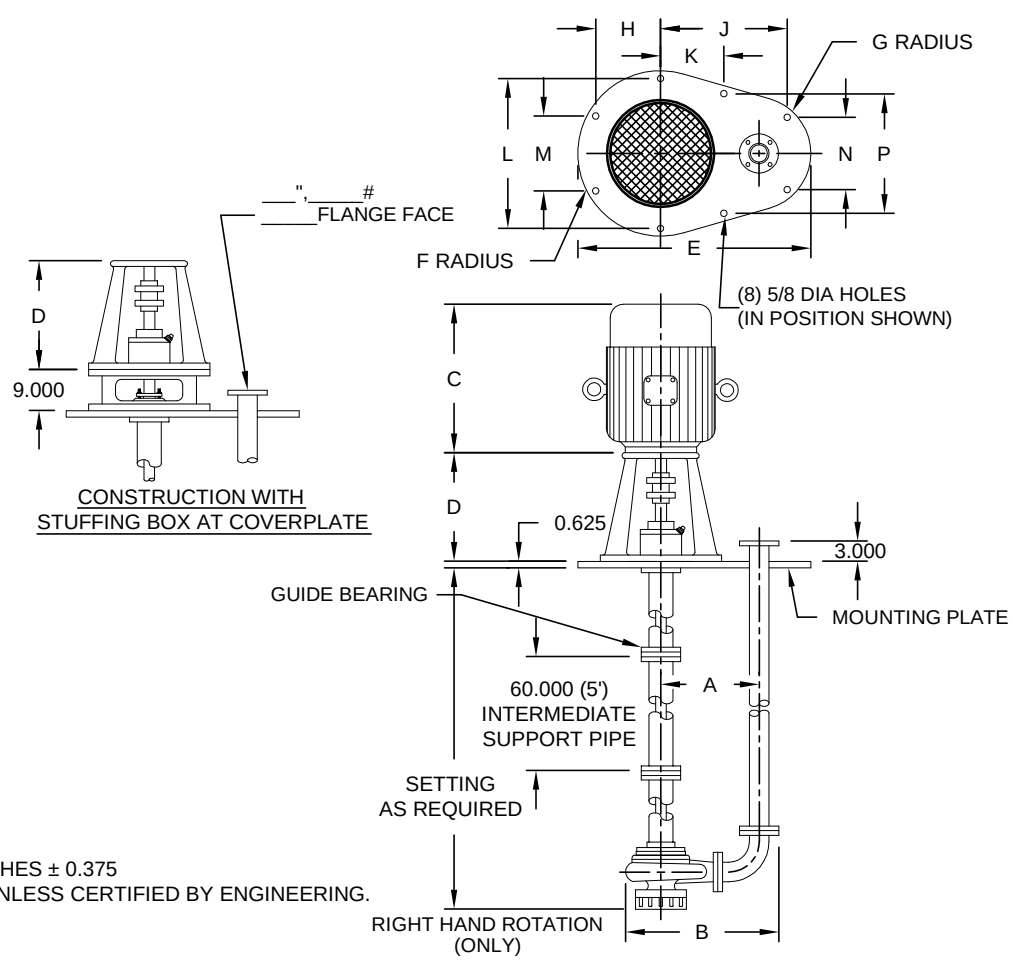
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320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

A WILO BRAND

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES (ANSI B16.5) DISCHARGE CLASS 150 FF CLASS 150 RF SPECIAL _____ NPT CLASS 300 FF CLASS 300 RF	OPTIONAL TAP CONNECTION <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQUIRED 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 CONNECTION</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONNECTION</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONNECTION</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONNECTION</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQUIRED SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONNECTION	III		DISCHARGE NOZZLE CONNECTION	IV		AUXILIARY CONNECTION	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONNECTION	VII		BOTTOM TAP IN STUFFING BOX
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MOTOR	HP	FRAME	PHASE	HERTZ	VOLTS	ENCLOSURE	
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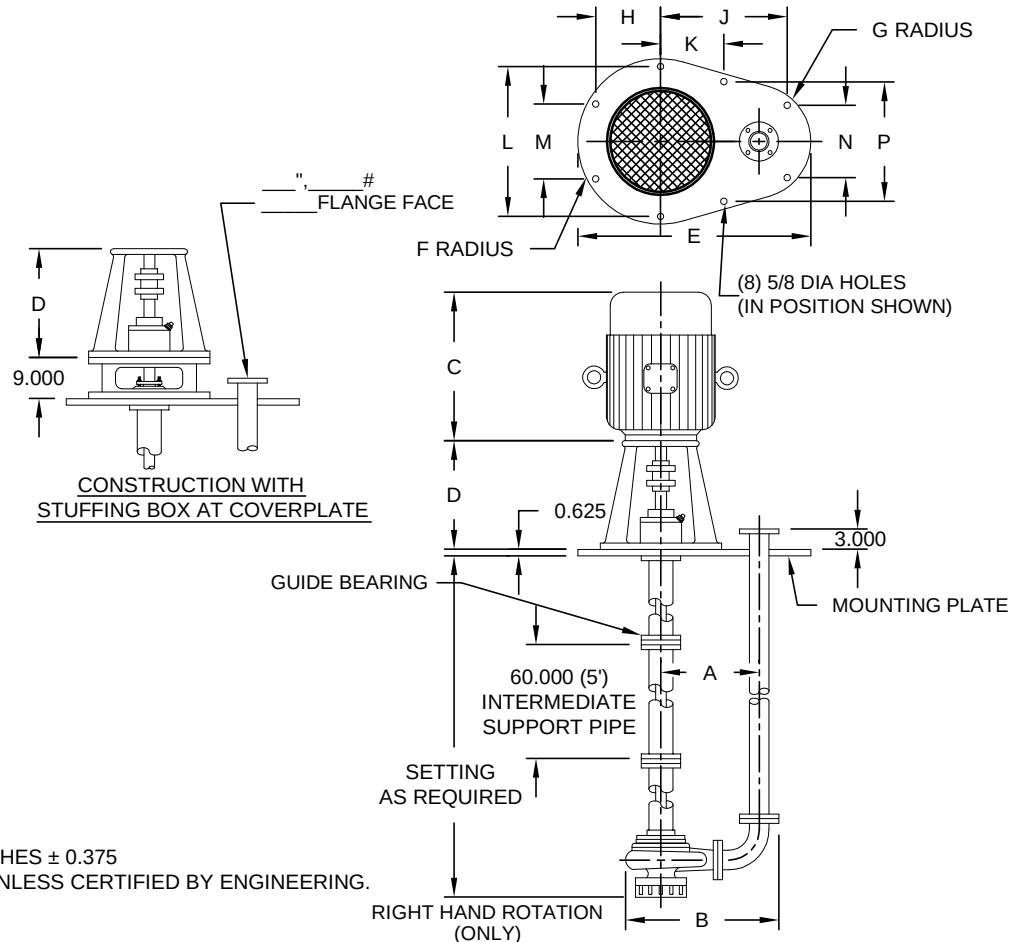
AMERICAN-MARSH PUMPS

A WILO BRAND

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

SUPPLEMENT DRAWINGS ATTACHED WHEN LISTED BELOW 	AVAILABLE FLANGES (ANSI B16.5) DISCHARGE CLASS 150 FF ☐ CLASS 300 FF ☐ CLASS 150 RF ☐ CLASS 300 RF ☐ SPECIAL ☐	OPTIONAL TAP CONNECTION <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TAP</th> <th>REQUIRED 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 CONNECTION</td> </tr> <tr> <td>III</td> <td></td> <td>DISCHARGE NOZZLE CONNECTION</td> </tr> <tr> <td>IV</td> <td></td> <td>AUXILIARY CONNECTION</td> </tr> <tr> <td>V</td> <td></td> <td>STUFFING BOX</td> </tr> <tr> <td>VI</td> <td></td> <td>BACK DRILLED SEAL FLUSH CONNECTION</td> </tr> <tr> <td>VII</td> <td></td> <td>BOTTOM TAP IN STUFFING BOX</td> </tr> </table>	TAP	REQUIRED SIZE		I		CASING DRAIN	II		SUCTION NOZZLE CONNECTION	III		DISCHARGE NOZZLE CONNECTION	IV		AUXILIARY CONNECTION	V		STUFFING BOX	VI		BACK DRILLED SEAL FLUSH CONNECTION	VII		BOTTOM TAP IN STUFFING BOX
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DATE: 8/11/09

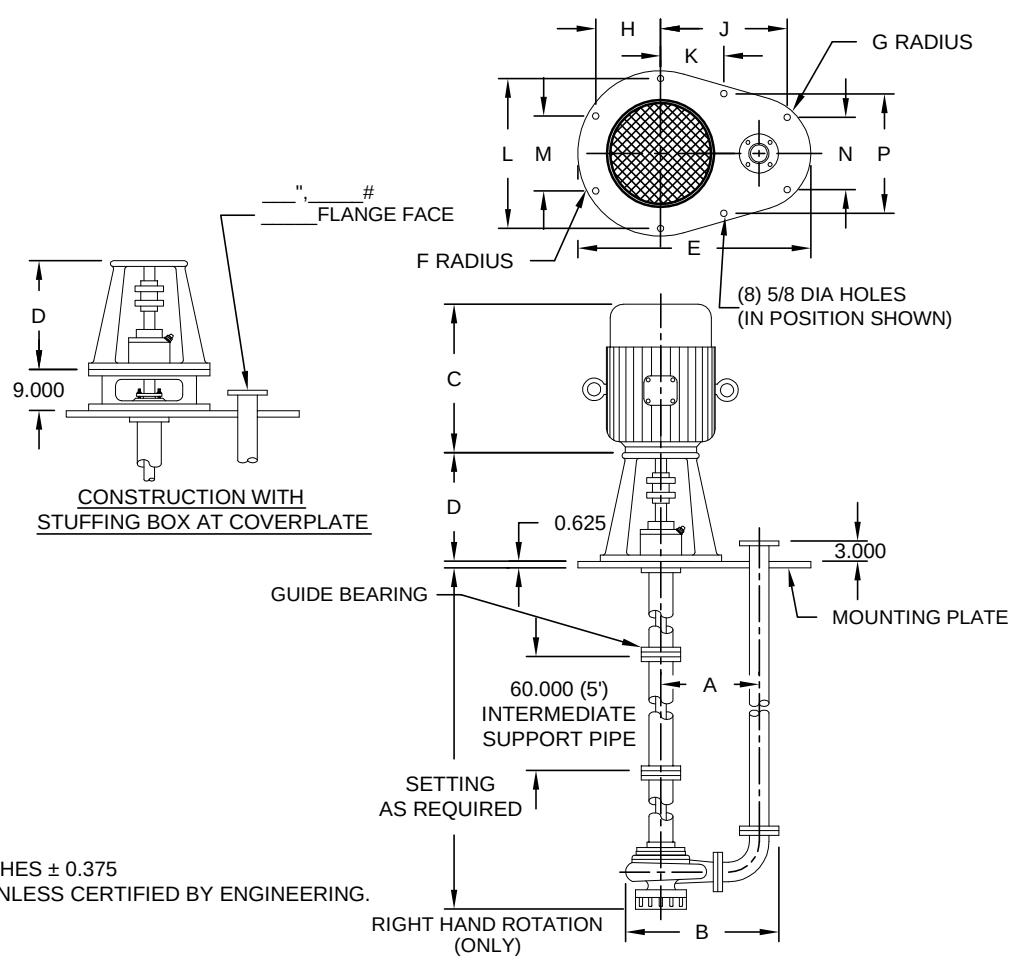
320-0012

320 SERIES SOSM VERTICAL PROCESS SUMP PUMP

A WILO BRAND

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