Bertsch Capacity Program

Size : # 30, 19" X : Top Roll Dia (in) = 19 Bottom Roll Dia (in) = 30 Length (in) : 160

jts 9/4/2014

FULLWIDTH	CLASS-1-MATERIAL		CLASS-2-MATERIAL		CLASS-3-MATERIAL		CLASS-4-MATERIAL		Special	
160.000	Max Yield Strength		Max Yield Strength		Max Yield Strength		Max Yield Strength		Yield Factor	
	30,000 psi		35,000 psi		49,000 psi		65,000 psi			
	Max Thk	Min Dia	Max Thk	Min Dia.	Max Thk	Min Dia.	Max Thk	Min Dia.	Max Thk	Min Dia.
BOILER	1.563	25.0	1.438	26.2	1.313	27.5	1.219	29.3		
PIPE	1.078	20.6	0.984	20.7	0.906	20.9	0.828	21.2		

Boiler Duty -- (Multi Pass) 90 " Radius and Larger first pass

Thickness	Max Width	Min Dia	Max Width	Min Dia.	Max Width	Min Dia.	Max Width	Min Dia.	Max Width	Min Dia.
1.250	160.000	25.0	160.000	26.2	160.000	27.5	125.000	30.0		
1.375	160.000	25.0	160.000	26.2	116.375	27.5	86.125	33.0		
1.500	160.000	25.0	114.250	26.2	84.500	28.5	66.875	36.0		
1.625	120.500	25.0	85.375	26.2	67.000	30.9	54.250	39.0		
1.750	90.125	25.0	68.750	27.5	55.250	33.3	45.250	42.0		
1.875	73.125	25.0	57.250	29.4	46.625	35.7	38.375	45.0		
2.000	61.250	26.6	48.750	31.4	40.000	38.0	33.125	48.0		
2.125	52.500	28.3	42.125	33.3	34.750	40.4	28.875	51.0		
2.250	45.625	29.9	36.875	35.3	30.500	42.8	25.500	54.0		
2.375	40.125	31.6	32.625	37.2	27.125	45.2	22.625	57.0		
2.500	35.625	33.3	29.000	39.2	24.125	47.5	20.250	60.0		
2.625	31.875	34.9	26.125	41.2	21.750	49.9	18.250	63.0		
2.750	28.750	36.6	23.500	43.1	19.625	52.3	16.500	66.0		
2.875	26.125	38.2	21.375	45.1	17.875	54.7	15.000	69.0		
3.000	23.750	39.9	19.500	47.0	16.375	57.0	13.750	72.0		
3.250	20.000	43.2	16.500	51.0	13.750	61.8	11.625	78.0		
3.500	17.000	46.5	14.000	54.9	11.750	66.5	10.000	84.0		
3.750	14.750	49.9	12.125	58.8	10.250	71.3	8.625	90.0		
4.000	12.875	53.2	10.625	62.7	9.000	76.0	7.500	96.0		
4.250	11.375	56.5	9.375	66.6	7.875	80.8	6.625	102.0		
4.500	10.000	59.8	8.375	70.5	7.000	85.5	5.875	108.0		
4.750	9.000	63.1	7.500	74.5	6.250	90.3	5.250	114.0		
5.000	8.125	66.5	6.750	78.4	5.625	95.0				
5.500	6.625	73.1	5.500	86.2						

Pipe Duty -- (Single Pass)

Thickness	Max Width	Min Dia	Max Width	Min Dia.	Max Width	Min Dia.	Max Width	Min Dia.	Max Width	Min Dia.
0.125	160.000	25.7	160.000	27.2	160.000	29.1	160.000	31.7		
0.250	160.000	22.5	160.000	23.1	160.000	23.7	160.000	24.5		
0.375	160.000	21.6	160.000	21.9	160.000	22.3	160.000	22.8		
0.500	160.000	21.2	160.000	21.4	160.000	21.7	160.000	22.0		
0.625	160.000	20.9	160.000	21.1	160.000	21.4	160.000	21.6		
0.750	160.000	20.8	160.000	20.9	160.000	21.1	160.000	21.2		
0.875	160.000	20.7	160.000	20.7	160.000	20.9	114.875	21.1		
1.000	160.000	20.6	136.625	20.7	93.750	20.8	73.000	21.0		
1.125	117.000	20.5	83.750	20.6	66.000	20.7	53.375	20.9		
1.250	80.250	20.5	62.125	20.6	50.375	20.7	41.375	20.8		
1.375	61.500	20.4	48.875	20.5	40.000	20.6	33.250	21.6		
1.500	49.375	20.4	39.625	20.5	32.750	20.6	27.375	23.5		
1.625	40.750	20.4	33.000	20.4	27.375	20.5	23.000	25.5		
1.750	34.375	20.4	28.000	20.4	23.250	21.6	19.500	27.5		
1.875	29.375	20.3	24.000	20.4	20.125	23.2	16.875	29.4		
2.000	25.500	20.3	20.875	20.4	17.500	24.7	14.750	31.4		
2.125	22.250	20.3	18.375	21.5	15.375	26.2	13.000	33.3		
2.250	19.750	20.3	16.250	22.8	13.625	27.8	11.500	35.3		
2.375	17.625	21.4	14.500	24.1	12.125	29.3	10.250	37.2		
2.500	15.750	22.5	13.000	25.3	10.875	30.9	9.250	39.2		
2.625	14.250	23.7	11.750	26.6	9.875	32.4	8.375	41.2		
2.750	12.875	24.8	10.625	27.8	9.000	34.0	7.625	43.1		
2.875	11.750	25.9	9.750	29.1	8.125	35.5	6.875	45.1		
3.000	10.750	27.0	8.875	30.4	7.500	37.0	6.375	47.0		
3.250	9.125	29.3	7.500	32.9	6.375	40.1	5.375	51.0		
3.500	7.750	31.5	6.500	35.4	5.500	43.2	4.625	54.9		
3.750	6.750	33.8	5.625	38.0	4.750	46.3	4.000	58.8		
4.000	5.875	36.0	4.875	40.5	4.125	49.4				
4.250	5.250	38.3	4.375	43.0						
4.500	4.625	40.5								

6	33	420,862	12,500	S/B=Y	B/D=N	REV (121205)