



WATERCOOLED AFTERCOOLERS

Air Solutions Group
Davidson, NC 28036

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WATERCOOLED AFTERCOOLERS Single Stage Reciprocating Units - 400°F Inlet and 125 PSIG

CTD Model No.	5 Degrees			10 Degrees			15 Degrees			20 Degrees		
	CFM	DP	GPM	CFM	DP	GPM	CFM	DP	GPM	CFM	DP	GPM
Fixed Tubesheet												
WCFB1							54	0.7	2.0	74	1.3	2.7
WCFB2							100	0.7	3.7	137	1.3	4.9
WCFB3							158	0.7	5.8	311	1.3	7.7
WCFB4							250	0.7	9.1	343	1.3	13.0
WCFB5							434	0.7	16.0	596	1.3	22.0
WCFB6							831	0.9	31.0	1158	1.5	42.0
WCFB7							1220	0.9	45.0	1699	1.5	61.0
WCFB8							2421	0.9	88.0	3373	1.5	120.0
WCFB9							3914	0.9	142.0	5452	1.5	194.0
WCFB10							5661	0.9	206.0	7886	1.6	280.0
Fixed Tubesheet												
WCFB1CA	49	0.5	1.5	71	1.4	2.7						
WCFB2CA	73	0.5	2.8	132	1.4	4.9						
WCFB3CA	116	0.5	4.4	209	1.4	7.8						
WCFB4CA	183	0.5	6.9	330	1.4	13.0						
WCFB5CA	317	0.5	12.0	572	1.4	22.0						
WCFB6CA	600	0.6	23.0	1109	1.7	42.0						
WCFB7CA	880	0.6	34.0	1627	1.7	61.0						
WCFB8CA	1746	0.6	67.0	3230	1.7	120.0						
WCFB9CA	2823	0.6	107.0	5222	1.7	194.0						
WCFB10CA	4084	0.6	155.0	7553	1.7	280.0						
Removable Bundle												
RBWC1	36	0.1	1.4	77	0.2	2.9	124	0.4	4.5	177	0.6	6.3
RBWC2	75	0.1	2.9	165	0.2	6.2	271	0.4	10.0	391	0.7	14.0
RBWC3	134	0.1	5.1	293	0.2	11.0	481	0.4	18.0	696	0.7	25.0
RBWC4	218	0.1	8.3	477	0.2	18.0	783	0.4	29.0	1131	0.7	41.0
RBWC5	430	0.1	17.0	957	0.2	36.0	1590	0.4	58.0	2324	0.8	83.0
RBWC6	735	0.1	28.0	1637	0.2	61.0	2720	0.4	99.0	3974	0.8	141.0
RBWC7	1123	0.1	43.0	2499	0.2	93.0	4152	0.4	151.0	6065	0.8	215.0
RBWC8	1394	0.1	53.0	3102	0.2	115.0	5154	0.4	187.0	7529	0.8	267.0
RBWC9	1880	0.1	72.0	4184	0.2	156.0	6952	0.4	253.0	10155	0.8	360.0
Removable Bundle												
PLWC1	36	0.1	1.4	78	0.2	2.9	128	0.3	4.7	185	0.6	6.6
PLWC2	64	0.1	2.5	143	0.2	5.3	238	0.4	8.7	348	0.7	13.0
PLWC3	96	0.1	3.7	214	0.2	8.0	357	0.4	13.0	523	0.7	19.0
PLWC4	192	0.1	7.3	429	0.2	16.0	715	0.4	26.0	1046	0.7	38.0
PLWC5	361	0.1	14.0	817	0.2	31.0	1378	0.4	50.0	2040	0.7	73.0
PLWC6	601	0.1	23.0	1362	0.2	51.0	2297	0.4	84.0	3400	0.7	121.0
PLWC7	940	0.1	36.0	2130	0.2	79.0	3593	0.4	131.0	5316	0.7	189.0
PLWC8	1170	0.1	45.0	2650	0.2	99.0	4470	0.4	163.0	6615	0.7	235.0
PLWC9	1564	0.1	60.0	3542	0.2	132.0	5974	0.4	217.0	8841	0.7	314.0

- Notes:**
1. Initial suction conditions of 14.5 PSIA, 75°F and 50% relative humidity.
 2. Cooling water is 80°F and a 20°F rise has been designed.
 3. For 100 PSIG applications, please contact Davidson Marketing.

