



WATERCOOLED AFTERCOOLERS

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Air Solutions Group
 Davidson, NC 28036

WATERCOOLED AFTERCOOLERS Two Stage Reciprocating Units - 350°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							60	0.9	1.9	83	1.5	2.5
WCFB2							111	0.9	3.4	154	1.5	4.7
WCFB3							176	0.9	5.4	245	1.5	7.4
WCFB4							278	0.9	8.6	387	1.5	12.0
WCFB5							483	0.9	15.0	671	1.5	21.0
WCFB6							930	1.0	29.0	1311	1.9	40.0
WCFB7							1364	1.0	42.0	1924	1.9	58.0
WCFB8							2708	1.0	84.0	3818	1.9	115.0
WCFB9							4378	1.0	135.0	6172	1.9	185.0
WCFB10							6332	1.0	195.0	8927	1.9	268.0
Fixed Tubesheet												
WCFB1CA	42	0.6	1.4	77	1.6	2.7						
WCFB2CA	77	0.6	2.5	142	1.6	4.5						
WCFB3CA	123	0.6	4.0	225	1.6	7.1						
WCFB4CA	194	0.6	6.3	356	1.6	12.0						
WCFB5CA	336	0.6	11.0	618	1.6	20.0						
WCFB6CA	637	0.6	21.0	1203	1.9	38.0						
WCFB7CA	935	0.6	31.0	1764	1.9	56.0						
WCFB8CA	1856	0.6	60.0	3503	1.9	111.0						
WCFB9CA	3001	0.6	97.0	5662	1.9	179.0						
WCFB10CA	4340	0.6	141.0	8189	1.9	259.0						
Removable Bundle												
RBWC1	39	0.1	1.3	85	0.2	2.7	140	0.4	4.3	202	0.8	6.1
RBWC2	81	0.1	2.7	183	0.2	5.8	306	0.5	9.5	449	0.9	14.0
RBWC3	144	0.1	4.7	326	0.2	11.0	545	0.5	17.0	799	0.9	24.0
RBWC4	235	0.1	7.6	530	0.2	17.0	886	0.5	28.0	1298	0.9	39.0
RBWC5	464	0.1	15.0	1066	0.2	34.0	1807	0.5	56.0	2679	1.0	81.0
RBWC6	795	0.1	26.0	1824	0.2	58.0	3091	0.5	96.0	4581	1.0	138.0
RBWC7	1213	0.1	40.0	2784	0.2	88.0	4718	0.5	146.0	6993	1.0	210.0
RBWC8	1506	0.1	49.0	3456	0.2	109.0	5857	0.5	181.0	8681	1.0	260.0
RBWC9	2031	0.1	66.0	4662	0.2	148.0	7899	0.5	243.0	11709	1.0	351.0
Removable Bundle												
PLWC1	39	0.1	1.3	78	0.2	2.8	145	0.4	4.5	213	0.8	6.4
PLWC2	69	0.1	2.3	143	0.2	5.0	271	0.4	8.4	402	0.9	12.0
PLWC3	104	0.1	3.4	214	0.2	7.6	406	0.4	13.0	603	0.9	18.0
PLWC4	208	0.1	6.8	429	0.2	16.0	813	0.4	25.0	1207	0.9	37.0
PLWC5	390	0.1	13.0	817	0.2	29.0	1573	0.5	49.0	2364	1.0	71.0
PLWC6	651	0.1	21.0	1362	0.2	48.0	2622	0.5	81.0	3940	1.0	118.0
PLWC7	1017	0.1	33.0	2130	0.2	76.0	4100	0.5	127.0	6161	1.0	185.0
PLWC8	1266	0.1	41.0	2650	0.2	94.0	5101	0.5	157.0	7666	1.0	230.0
PLWC9	1692	0.1	55.0	3542	0.2	125.0	6817	0.5	210.0	10245	1.0	307.0

- 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.