



# WATERCOOLED AFTERCOOLERS

Air Solutions Group  
Davidson, NC 28036

Ref: 11713.05  
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## PL-12 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
7-PL-12	121	0.3	4.6	221	0.9	8.2	319	1.7	11.6	353	2.0	12.5
14-PL-12	243	0.3	9.2	442	0.9	16.4	638	1.7	23.1	706	2.0	25.0
21-PL-12	365	0.3	13.8	664	0.9	24.6	958	1.7	34.7	1059	2.0	37.5
28-PL-12	486	0.3	18.4	885	0.9	32.8	1277	1.7	46.3	1413	2.0	50.1
35-PL-12	608	0.3	23.0	1107	0.9	41.0	1597	1.7	57.9	1766	2.0	62.6
49-PL-12	851	0.3	32.2	1550	0.9	57.4	2236	1.7	81.1	2473	2.0	87.6
63-PL-12	1095	0.3	41.4	1993	0.9	73.9	2875	1.7	104.3	3179	2.0	112.7
77-PL-12	1338	0.3	50.6	2436	0.9	90.3	3514	1.7	127.4	3886	2.0	137.7
98-PL-12	1703	0.3	64.4	3100	0.9	114.9	4472	1.7	162.2	4946	2.0	175.3
128-PL-12	2225	0.3	84.2	4050	0.9	150.1	5842	1.7	211.9	6460	2.0	228.9
160-PL-12	2781	0.3	105.2	5062	0.9	187.6	7302	1.7	264.8	8075	2.0	286.2
192-PL-12	3338	0.3	126.2	6075	0.9	225.1	8763	1.7	317.8	9691	2.0	343.4
235-PL-12	4086	0.3	154.5	7435	0.9	275.6	10726	1.7	389.0	11861	2.0	420.3

### Two (2) 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
7-PL-12	129	0.3	4.2	239	0.9	7.5	350	1.9	10.8	360	2.0	10.8
14-PL-12	258	0.3	8.3	479	1.0	15.1	700	1.9	21.5	720	2.0	21.6
21-PL-12	387	0.3	12.5	718	0.9	22.7	1050	1.9	32.3	1081	2.0	32.3
28-PL-12	516	0.3	16.7	958	1.0	30.2	1400	1.9	43.1	1441	2.0	43.1
35-PL-12	645	0.3	20.8	1198	1.0	37.8	1750	1.9	53.8	1801	2.0	53.9
49-PL-12	904	0.3	29.2	1677	1.0	52.9	2450	1.9	75.3	2522	2.0	75.5
63-PL-12	1162	0.3	37.5	2156	1.0	68.0	3150	1.9	96.9	3243	2.0	97.0
77-PL-12	1420	0.3	45.9	2636	1.0	83.1	3850	1.9	118.4	3963	2.0	118.6
98-PL-12	1808	0.3	58.4	3354	1.0	105.8	4901	1.9	150.7	5044	2.0	150.9
128-PL-12	2361	0.3	76.3	4382	1.0	138.2	6401	1.9	196.8	6589	2.0	197.1
160-PL-12	2952	0.3	95.4	5477	1.0	172.8	8001	1.9	246.0	8236	2.0	246.4
192-PL-12	3542	0.3	114.4	6573	1.0	207.3	9601	1.9	295.2	9883	2.0	295.7
235-PL-12	4336	0.3	140.1	8045	1.0	253.8	11752	1.9	361.3	12097	2.0	362.0

- 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.