

Pressure Drop and Sizing (Cross-Reference Chart)

For selecting a Model REC Evaporative Cooling Module to field add to a currently manufactured Reznor packaged makeup air system (Model REC does not include transition duct.)

Model	Used with Models	CFM ^①	Pressure Drop		
			6" Media	12" Media	Moisture Elimination Pad
REC 40	RGB/RPB 75, 100, 125	575	0.01	0.02	N/A
		1000	0.03	0.06	N/A
		1500	0.06	0.12	N/A
		2000	0.1	0.2	0.11
	RDF 1-20 DV 109, 112	2500	0.16	0.32	0.172
		3000	0.22	0.44	0.248
		3500	0.3	0.6	0.337
		4000	0.4	0.8	0.44
REC 50	RGB/RPB 150, 175	1175	0.02	0.04	N/A
		1500	0.04	0.08	N/A
		2000	0.06	0.12	0.077
	RBA RDF 1-40 ADF/ADFH 300 DV 112	2500	0.1	0.2	0.12
		3000	0.14	0.28	0.173
		3500	0.2	0.4	0.235
		4000	0.26	0.52	0.307
		4500	0.32	0.64	0.389
REC 60	RGB/RPB 200, 225	5000	0.4	0.8	0.48
		1550	0.03	0.06	N/A
		2000	0.04	0.08	0.053
		2500	0.07	0.14	0.083
	DV 112	3000	0.1	0.2	0.12
		3500	0.13	0.26	0.163
		4000	0.18	0.36	0.213
		4500	0.23	0.46	0.27
		5000	0.28	0.56	0.333
		5500	0.34	0.68	0.403
REC 70	RGB/RPB 250, 300	5800	0.37	0.74	0.48
		1950	0.03	0.06	0.039
		2500	0.05	0.1	0.061
		3000	0.07	0.14	0.088
	RDF 1-50, 1-65 ADF/ADFH 500 DV 115	3500	0.1	0.2	0.12
		4000	0.13	0.26	0.157
		4500	0.16	0.32	0.198
		5000	0.2	0.4	0.245
		5500	0.25	0.5	0.296
		6000	0.29	0.58	0.353
REC 180	ADF/ADFH 700, 1200	6500	0.34	0.68	0.414
		7000	0.4	0.8	0.48
		17000	0.32	0.64	0.428
		18000	0.36	0.72	0.48

Model	Used with Models	CFM ^①	Pressure Drop		
			6" Media	12" Media	Moisture Elimination Pad
REC 80	RGB/RPB 350 DV 115	2750	0.05	0.1	0.057
		3500	0.08	0.16	0.092
		4000	0.1	0.2	0.12
		4500	0.13	0.26	0.152
		5000	0.16	0.32	0.188
		5500	0.19	0.38	0.227
		6000	0.22	0.44	0.27
		6500	0.26	0.52	0.317
		7000	0.31	0.62	0.368
		7500	0.35	0.7	0.422
		8000	0.4	0.8	0.48
		REC 90	RGB/RPB 400 DV 115	3100	0.05
3500	0.06			0.12	0.073
4000	0.08			0.16	0.095
4500	0.1			0.2	0.12
5000	0.12			0.24	0.148
5500	0.15			0.3	0.179
6000	0.18			0.36	0.213
6500	0.21			0.42	0.25
7000	0.24			0.48	0.29
8000	0.32			0.64	0.379
8500	0.36			0.72	0.428
REC 180	RGLB/RPBL SSCBL PGBL All Sizes			8800	0.38
		3100	0.01	0.02	0.013
		4000	0.02	0.04	0.024
		5000	0.03	0.06	0.037
	RBL RDF 2-80, 2-120 3-180, 3-260 ^②	6000	0.04	0.08	0.053
		7000	0.05	0.1	0.073
		8000	0.07	0.14	0.095
		9000	0.09	0.18	0.12
		10000	0.11	0.22	0.148
		11000	0.13	0.26	0.179
		12000	0.15	0.3	0.213
		13000	0.18	0.36	0.25
ADF/ADFH 700, 1200 DV 118, 122, 125 ^②	14000	0.21	0.42	0.29	
	15000	0.25	0.5	0.333	
	16000	0.28	0.56	0.379	
	17000	0.32	0.64	0.428	

① For CFM limitations see Technical Data on page 2.

② Limited to no more than 17,730 CFM.

NOTES:

- (1) This chart is provided for easy reference only. The Model REC module may be connected to any Reznor indirect-fired makeup air system, a Reznor direct-fired makeup air system, a Reznor blower cabinet or to some other type of makeup air system or blower cabinet within the allowable CFM range. **Important:** Model REC Evaporative Cooling Module must be used in a draw-through application.
- (2) The addition to the Model REC module may considerably increase the total static pressure of the system which may require an increase in motor capacity.
- (3) The Model REC is designed so that it can be used for indoor or outdoor installation. The Evaporative Cooling Module must be mounted and must be supplied with outside makeup air.
- (4) All installations must include the appropriate field-supplied transition duct. See dimensions (page 3).