

Technical Information: Derating Factors by ESP

FAN COIL UNIT SERIES

Ceiling Recessed Model-Large Air Volume Model 4-Row Cooling/Heating

SRC-2SH-4R

220V

Fan Speed : HIGH

Unit Size	TH/ SH	External Static Pressure (Pa)											
		0		20		40		60		80		100	
		CF	L/s	CF	L/s	CF	L/s	CF	L/s	CF	L/s	CF	L/s
300	TH	1.13		1.08		1.03		0.97		0.89		0.78	
	SH	1.16	184	1.10	171	1.04	156	0.96	141	0.87	123	0.74	102
400	TH	1.15		1.10		1.03		0.96		0.87		0.73	
	SH	1.18	312	1.11	287	1.04	261	0.96	231	0.84	197	0.69	156
600	TH	1.15		1.09		1.03		0.96		0.87		0.74	
	SH	1.18	334	1.12	308	1.04	281	0.96	250	0.85	215	0.70	173
800	TH	1.11		1.07		1.03		0.97		0.91		0.83	
	SH	1.13	450	1.08	422	1.03	391	0.97	358	0.90	321	0.81	280
1000	TH	1.12		1.08		1.03		0.97		0.90		0.81	
	SH	1.14	587	1.09	547	1.03	505	0.96	458	0.88	407	0.78	347
1200	TH	1.14		1.09		1.03		0.96		0.87		0.75	
	SH	1.17	680	1.11	628	1.04	572	0.96	509	0.85	437	0.71	350
1400	TH	1.11		1.07		1.02		0.97		0.91		0.83	
	SH	1.13	803	1.08	751	1.03	696	0.97	637	0.89	571	0.80	496

CF:Correction Factor H:Total Heat SH:Sensible Heat

Fan Speed : MEDIUM

Unit Size	TH/ SH	External Static Pressure (Pa)											
		0		20		40		60		80		100	
		CF	L/s	CF	L/s	CF	L/s	CF	L/s	CF	L/s	CF	L/s
300	TH	1.07		1.03		0.97		0.90		0.81		0.70	
	SH	1.09	166	1.03	153	0.96	140	0.89	124	0.79	107	0.66	86
400	TH	1.10		1.05		0.99		0.91		0.81		0.67	
	SH	1.13	289	1.06	265	0.99	240	0.90	211	0.78	177	0.62	136
600	TH	1.10		1.05		0.99		0.91		0.82		0.68	
	SH	1.12	309	1.06	285	0.99	258	0.90	228	0.79	194	0.63	152
800	TH	1.08		1.04		0.99		0.94		0.88		0.80	
	SH	1.10	426	1.05	399	0.99	369	0.93	337	0.86	302	0.77	261
1000	TH	1.09		1.04		0.99		0.94		0.86		0.77	
	SH	1.10	553	1.05	515	0.99	474	0.92	429	0.84	379	0.74	321
1200	TH	1.10		1.05		0.99		0.91		0.81		0.67	
	SH	1.12	635	1.06	583	0.98	526	0.90	463	0.78	389	0.62	297
1400	TH	1.09		1.05		1.00		0.95		0.89		0.81	
	SH	1.10	769	1.06	719	1.00	666	0.94	608	0.87	543	0.77	470

CF:Correction Factor H:Total Heat SH:Sensible Heat

Note: The above Rating Correction Factors due to External Static Pressure and Air Flow Rate are based on BASIC Model SRC.

When return-air plenum is used with the basic unit, these correction factors are subject to change. Derating factors will increase.

Consult SINKO distributor for specific derating factors.