



PERFORMANCE DATA

SCU Scroll Compressor Units

Table 1-1 Performance Data - SCU Scroll Compressor Units

NAPPS Model #	Number of Compressors	SDT	Saturated Suction Temperature									
			30		35		40		45		50	
			Tons	EER	Tons	EER	Tons	EER	Tons	EER	Tons	EER
SCU-10	1	105	8.9	13.4	9.9	14.8	10.9	16.2	12.0	17.8	13.2	19.4
		120	8.2	10.3	9.2	11.4	10.1	12.5	11.1	13.7	12.2	15.0
		130	7.7	8.6	8.6	9.5	9.4	10.5	10.4	11.5	11.4	12.6
SCU-15	1	105	13.3	13.2	14.7	14.6	16.2	16.0	17.8	17.5	19.5	19.1
		120	12.1	10.2	13.5	11.3	14.8	12.4	16.4	13.6	18.0	14.8
		130	11.3	8.5	12.7	9.4	14.0	10.4	15.4	11.4	17.0	12.5
SCU-20	2	105	17.7	13.3	19.6	14.6	21.5	16.0	23.7	17.5	25.9	19.1
		120	16.2	10.2	18.0	11.3	19.8	12.4	21.8	13.6	23.9	14.8
		130	15.1	8.5	16.8	9.4	18.6	10.3	20.5	11.3	22.6	12.4
SCU-25	2	105	21.8	13.1	24.3	14.5	26.8	15.8	29.4	17.3	32.2	18.9
		120	20.0	10.1	22.3	11.2	24.6	12.2	27.1	13.4	29.8	14.7
		130	18.7	8.4	20.8	9.3	23.1	10.3	25.4	11.3	28.0	12.3
SCU-30	2	105	26.1	13.0	29.0	14.4	31.9	15.7	35.1	17.2	38.5	18.8
		120	23.8	10.0	26.6	11.1	29.3	12.2	32.3	13.4	35.5	14.6
		130	22.3	8.4	24.9	9.3	27.5	10.2	30.3	11.2	33.4	12.3
SCU-35	3	105	30.2	12.9	33.6	14.3	36.9	15.6	40.6	17.1	44.5	18.7
		120	27.7	9.9	30.8	11.0	33.9	12.1	37.4	13.3	41.1	14.5
		130	25.8	8.3	28.8	9.2	31.8	10.1	35.2	11.1	38.7	12.2
SCU-40	3	105	34.3	12.8	38.2	14.2	42.0	15.6	46.2	17.0	50.7	18.6
		120	31.4	9.9	35.0	11.0	38.6	12.0	42.6	13.2	46.8	14.4
		130	29.3	8.3	32.8	9.2	36.3	10.1	40.0	11.1	44.0	12.1
SCU-45	3	105	38.5	12.8	42.8	14.1	47.1	15.5	51.8	17.0	56.8	18.6
		120	35.2	9.9	39.3	10.9	43.3	12.0	47.7	13.2	52.4	14.4
		130	32.9	8.2	36.8	9.2	40.7	10.1	44.8	11.1	49.3	12.1
SCU-50	4	105	43.0	12.9	47.8	14.2	52.6	15.6	57.8	17.1	63.4	18.6
		120	39.3	9.9	43.8	11.0	48.3	12.1	53.3	13.2	58.5	14.5
		130	36.8	8.3	41.1	9.2	45.4	10.1	50.1	11.1	55.1	12.2
SCU-60	4	105	51.3	12.8	57.1	14.1	62.8	15.5	69.1	17.0	75.8	18.6
		120	46.9	9.9	52.3	10.9	57.7	12.0	63.6	13.2	69.8	14.4
		130	43.8	8.2	49.0	9.2	54.2	10.1	59.8	11.1	65.8	12.1

Notes:

1. Ratings are based on 60 Hz, R-22, 20°F superheat and 15°F subcooling per ARI Standard 500-90
2. EER = Energy Efficiency Ratio (cooling capacity in BTUH divided by total power input in watts).
3. Interpolation between points is permissible. Extrapolation is not permitted.