

جدول تغییر ظرفیت چیلرهای اسکرو هوا خنک سری A - SSC
Table for change of capacity of Air cooled chillers SSC-A

Evaporator Leaving Water Temp. °F [°C]	Unit Model	Condenser Entering Air Temp. °F [°C]											
		85 [30]			95 [35]			105 [40]			115 [46]		
		Cooling Capacity [RT]	Input Power [kW]	EER [kW/kW]	Cooling Capacity [RT]	Input Power [kW]	EER [kW/kW]	Cooling Capacity [RT]	Input Power [kW]	EER [kW/kW]	Cooling Capacity [RT]	Input Power [kW]	EER [kW/kW]
40 [4.4]	SSC 025 A	22.2	21.3	3.7	20.9	23.3	3.2	19.5	25.1	2.7	18	27.4	2.3
	SSC 030 A	31	29.7	3.7	29.1	32.5	3.2	27.2	35.1	2.7	25	38.2	2.3
	SSC 055 A	52.1	51.0	3.6	49	55.7	3.1	45.8	60.2	2.7	42.1	65.5	2.3
	SSC 080 A	77.5	77.4	3.5	72.8	84.6	3	68	91.4	2.6	62.6	99.5	2.2
	SSC 110 A	109.6	109.5	3.5	103	119.7	3	96.2	129.3	2.6	88.5	140.8	2.2
42 [5.5]	SSC 025 A	23	21.4	3.8	21.7	23.4	3.3	20.2	25.3	2.8	18.6	27.5	2.4
	SSC 030 A	32.1	30.2	3.7	30.2	33.0	3.2	28.2	35.6	2.8	26	38.8	2.4
	SSC 055 A	54	51.8	3.7	50.8	56.6	3.2	47.5	61.2	2.7	43.7	66.6	2.3
	SSC 080 A	80.3	78.6	3.6	75.5	85.9	3.1	70.6	92.8	2.7	64.9	101.1	2.3
	SSC 110 A	113.6	111.1	3.6	106.8	121.5	3.1	99.8	131.3	2.7	91.8	142.9	2.3
44 [6.6]	SSC 025 A	23.9	21.8	3.9	22.4	23.7	3.3	21	25.7	2.9	19.3	28	2.4
	SSC 030 A	33.3	30.3	3.9	31.3	34	3.2	29.3	35.9	2.9	26.9	39.1	2.4
	SSC 055 A	56	52.6	3.7	52.6	54	3.4	49.2	62.2	2.8	45.3	67.7	2.4
	SSC 080 A	83.2	79.7	3.7	78.2	79.2	3.5	73.2	94.3	2.7	67.4	102.7	2.3
	SSC 110 A	117.7	112.8	3.7	110.6	109.7	3.5	103.6	133.4	2.7	95.3	145.2	2.3
46 [7.7]	SSC 025 A	24.7	21.9	4	23.2	23.9	3.4	21.8	25.9	3	20	28.2	2.5
	SSC 030 A	34.5	30.8	3.9	32.4	33.7	3.4	30.3	36.5	2.9	27.9	39.7	2.5
	SSC 055 A	57.9	53.3	3.8	54.5	58.3	3.3	51	63.1	2.8	47	68.7	2.4
	SSC 080 A	86.1	80.9	3.7	81	88.4	3.2	75.9	95.7	2.8	69.8	104.2	2.4
	SSC 110 A	121.8	114.4	3.7	114.5	125.0	3.2	107.3	135.4	2.8	98.7	147.5	2.4
48 [8.8]	SSC 025 A	25.6	22.6	4	24	24.7	3.4	22.5	26.8	3	20.7	29.2	2.5
	SSC 030 A	35.6	31.5	4	33.5	34.5	3.4	31.4	37.3	3	28.9	40.7	2.5
	SSC 055 A	59.9	55.1	3.8	56.3	60.3	3.3	52.8	65.3	2.8	48.6	71.1	2.4
	SSC 080 A	89.1	82.8	3.8	83.7	90.5	3.3	78.5	98	2.8	72.2	106.7	2.4
	SSC 110 A	126	117.1	3.8	118.4	128	3.3	111	138.7	2.8	102.1	151	2.4
50 [10]	SSC 025 A	26.4	22.3	4.2	24.8	24.4	3.6	23.3	26.4	3.1	21.4	28.8	2.6
	SSC 030 A	36.8	31.7	4.1	34.6	34.6	3.5	32.5	37.5	3	29.9	40.9	2.6
	SSC 055 A	61.9	54.8	4	58.2	59.9	3.4	54.6	64.9	3	50.2	70.7	2.5
	SSC 080 A	92	83	3.9	86.5	90.8	3.4	81.1	98.4	2.9	74.6	107.2	2.4
	SSC 110 A	130.2	118.6	3.9	122.4	129.6	3.3	114.8	140.6	2.9	105.6	153.1	2.4

1- EER - Energy Efficiency Ratio (kW/kW)

Table No. 3 (جدول شماره ۳)

۱- نسبت بازده انرژی EER (kW/kW)

2 - In calculating the EER, the electrical power of compressor and control system has been considered

۲- در محاسبه بازده انرژی (EER) حداکثر توان الکتریکی کمپرسور و سیستم کنترل لحاظ گردیده.

3- The site elevation in the above table has been considered.

۳- ارتفاع نصب در جدول فوق سطح دریا در نظر گرفته شده.



جدول تغییر ظرفیت چیلرهای اسکرو هوا خنک سری SSC - A Table for change of capacity of Air cooled chillers SSC-A

Evaporator Leaving Water Temp. °F [°C]	Unit Model	Condenser Entering Air Temp. °F [°C]											
		85 [30]			95 [35]			105 [40]			115 [46]		
		Cooling Capacity [RT]	Input Power [kW]	EER [kW/kW]	Cooling Capacity [RT]	Input Power [kW]	EER [kW/kW]	Cooling Capacity [RT]	Input Power [kW]	EER [kW/kW]	Cooling Capacity [RT]	Input Power [kW]	EER [kW/kW]
42 [5.5]	SSC 140 A	128.97	121.83	3.72	122.82	133.43	3.24	114.79	145.90	2.77	104.35	155.18	2.36
	SSC 160 A	160.44	144.12	3.91	152.80	157.85	3.40	142.81	172.60	2.91	129.83	183.59	2.49
	SSC 180 A	175.68	158.75	3.89	167.31	173.87	3.38	156.37	190.12	2.89	142.15	202.22	2.47
	SSC 200 A	190.91	173.20	3.88	181.82	189.69	3.37	169.92	207.42	2.88	154.48	220.62	2.46
	SSC 220 A	209.19	192.64	3.82	199.23	210.99	3.32	186.19	230.70	2.84	169.27	245.39	2.43
	SSC 250 A	245.75	226.71	3.81	234.05	248.30	3.31	218.73	271.50	2.83	198.85	288.79	2.42
	SSC 300 A	309.73	280.76	3.88	294.98	307.49	3.37	275.67	336.22	2.88	250.62	357.64	2.46
	SSC 350 A	352	319.8	3.87	344	359.97	3.36	323	398.48	2.85	301	433.74	2.44
44 [6.6]	SSC 140 A	133.35	124.72	3.76	127	136.6	3.27	118.69	149.37	2.79	107.90	158.87	2.39
	SSC 160 A	165.90	147.55	3.95	158	161.6	3.44	147.66	176.70	2.94	134.24	187.95	2.51
	SSC 180 A	181.65	162.52	3.93	173	178	3.42	161.68	194.64	2.92	146.98	207.02	2.50
	SSC 200 A	197.40	177.31	3.91	188	194.2	3.40	175.70	212.35	2.91	159.73	225.86	2.49
	SSC 220 A	216.3	197.22	3.86	206	216	3.35	192.52	236.19	2.87	175.02	251.22	2.45
	SSC 250 A	254	232.10	3.67	242	254.2	3.35	226.20	277.96	2.86	205.61	295.65	2.44
	SSC 300 A	320	287.43	3.74	305	314.8	3.41	285.10	344.22	2.91	259.14	366.13	2.49
	SSC 350 A	379	331	3.72	362	347	3.54	341	401	2.89	310	441.27	2.47
46 [7.7]	SSC 140 A	137.88	127.69	3.80	131.32	139.85	3.30	122.73	152.92	2.82	111.57	162.65	2.41
	SSC 160 A	171.54	151.05	3.99	163.37	165.44	3.47	152.68	180.90	2.97	138.80	192.41	2.54
	SSC 180 A	187.83	166.38	3.97	178.88	182.23	3.45	167.18	190.26	2.95	151.98	211.94	2.52
	SSC 200 A	204.11	181.53	3.95	194.39	198.81	3.44	181.67	217.40	2.94	165.16	231.23	2.51
	SSC 220 A	223.65	201.90	3.89	213.00	221.13	3.39	199.07	241.80	2.89	180.97	257.19	2.47
	SSC 250 A	262.73	237.61	3.89	250.22	260.24	3.38	233.86	284.56	2.89	212.60	302.67	2.47
	SSC 300 A	331.12	304.77	3.82	315.36	336	3.30	294.74	370.11	2.80	267.95	399.29	2.36
	SSC 350 A	379.98	345.22	3.87	361.89	378.69	3.36	338.23	412.92	2.88	307.48	437.69	2.47
48 [8.8]	SSC 140 A	142.57	130.72	3.83	135.78	143.17	3.33	126.90	156.55	2.85	115.36	166.51	2.44
	SSC 160 A	177.37	154.64	4.03	168.93	169.37	3.51	157.88	185.20	3.00	143.52	196.99	2.56
	SSC 180 A	194.21	170.34	4.01	184.96	186.56	3.49	172.86	204.00	2.98	157.15	216.98	2.55
	SSC 200 A	211.05	185.84	3.99	201.00	203.54	3.47	187.85	222.56	2.97	170.77	236.72	2.54
	SSC 220 A	231.26	206.70	3.93	220.25	226.39	3.42	205.84	247.55	2.92	187.13	263.30	2.50
	SSC 250 A	271.67	243.26	3.93	258.70	266.43	3.41	241.81	291.33	2.92	219.83	309.87	2.49
	SSC 300 A	342.39	315.97	3.81	326.05	347.39	3.30	304.81	382.75	2.80	277.06	400.88	2.43
	SSC 350 A	392.91	354.22	3.90	374.15	386.92	3.40	350.92	424	2.91	317.94	448.95	2.49
50 [10]	SSC 140 A	147.42	133.83	3.87	140.40	146.57	3.37	131.21	160.27	2.88	119.29	170.47	2.46
	SSC 160 A	183.40	158.32	4.07	174.67	173.40	3.54	163.24	189.60	3.03	148.40	201.67	2.59
	SSC 180 A	200.82	174.38	4.05	191.25	190.99	3.52	178.74	208.84	3.01	162.49	222.13	2.57
	SSC 200 A	218.23	190.26	4.03	207.84	208.38	3.51	194.24	227.85	3.00	176.58	242.35	2.56
	SSC 220 A	239.12	211.61	3.97	227.73	231.77	3.45	212.84	253.43	2.95	193.49	269.55	2.52
	SSC 250 A	280.91	249.03	3.97	267.53	249.03	3.78	250.04	298.25	2.95	227.30	317.22	2.52
	SSC 300 A	354.04	314.34	3.96	337.18	316.14	3.75	315.13	378.16	2.93	286.47	401.29	2.51
	SSC 350 A	406.27	366.27	3.90	386.92	366.27	3.70	361.63	443.03	2.87	328.74	467.96	2.47
SSC 500 A	585	450	4.57	550	484	4	512	522	3.45	464	579	2.82	

1- EER - Energy Efficiency Ratio (kW/kW)

2 - In calculating the EER, the electrical power of compressor and control system has been considered

3- The site elevation in the above table has been considered.

Table No. 3

جدول شماره (۳)

۱- نسبت بازده انرژی (kW/kW) EER

۲- در محاسبه بازده انرژی (EER) حداکثر توان الکتریکی کمپرسور و سیستم کنترل لحاظ گردیده.

۳- ارتفاع نصب در جدول فوق سطح دریا در نظر گرفته شده.