

Screw Chiller



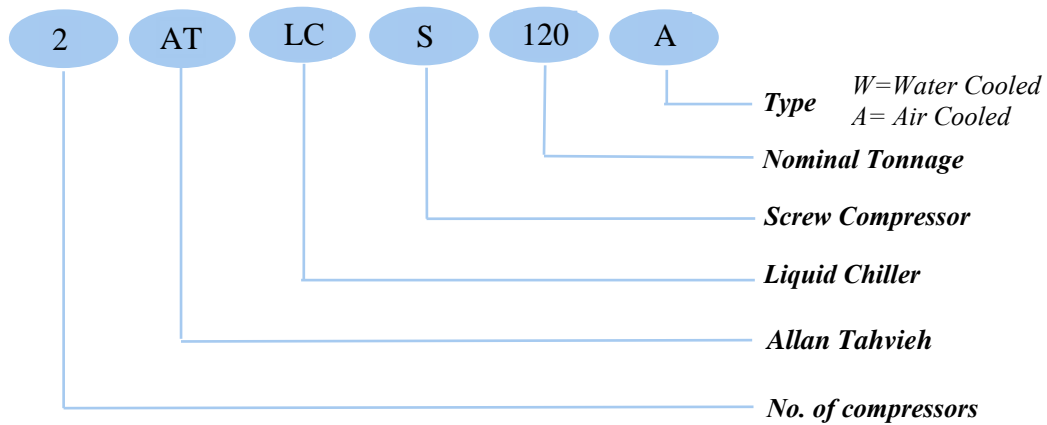
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Nomenclature



Features

Allan Tahviah screw chillers are manufactured in two types of air cooled and water cooled in capacities from 50 to 560 T.R. in one to four circuited configurations. Evaporators and condenser are high efficiency shell and tube heat exchangers, designed based on Tema standards. Chillers with plate type heat exchangers are available upon request. For further related technical information, please send your inquiries to Allan Tahviah co.

Allan Tahviah screw chillers can be designed to operate with R-22 and R-134a refrigerants. Bitzer screw compressors suitable for use with R-134a refrigerant are available in two versions (m.vr.1 & m.vr.2) which can be used in the chillers as required. Safety controls installed on all units include high and low pressure cut-outs, compressor oil level control safety cut-out, water anti freeze thermostat, water flow switch and evaporator entering water thermostat and compressor operation time logger. The above mentioned are all chosen from the most recognized controls manufactures in the air conditioning industry. Compressors are by Bitzer which happens to be one of the best and most reliable brands. Raw materials such as copper tubes, fittings and valves are supplied by well-respected manufactures. Electrical safety measures such as three phase controller and circuit breakers, are available on all units.

A fault detection system for the whole unit is available upon request. Microprocessor based PLC controller is also available as needed.

Allan Tahviah screw chillers are also available upon request for industrial applications in both Air Cooled and Water Cooled types; Suitable accessories make the chillers operable in all seasons according to the application requirements without any problems.

Screw compressor benefits

- Availability in capacities of 50 to 300 HP therefore higher refrigeration capacities are attainable with fewer compressors which could also effect unit's overall dimensions, weight and energy consumption.
- Higher operating life as compared to reciprocating type due to fewer mechanically engaged components, which means lesser frictional effects on the components.
- Capacity control may be done in steps or proportionally.
- More resistant to liquid refrigerant slugging than the reciprocating type.
- Equipped with oil separators which prevents oil from leaving the compressor.
- May be equipped with the economizer system which could increase compressor capacity once engaged.
- Quieter operation than the reciprocating type.

A few Important Points about Screw Compressors

- 1- The maximum number of compressor start – up and shut – down in one hour must not exceed four to six times.
- 2- Depending on the design operating point for the compressor, a need for cooling the compressor oil may exist. This could be done through liquid injection or the use of oil cooler which ever deemed necessary.

Fig.1 Screw Compressor Construction

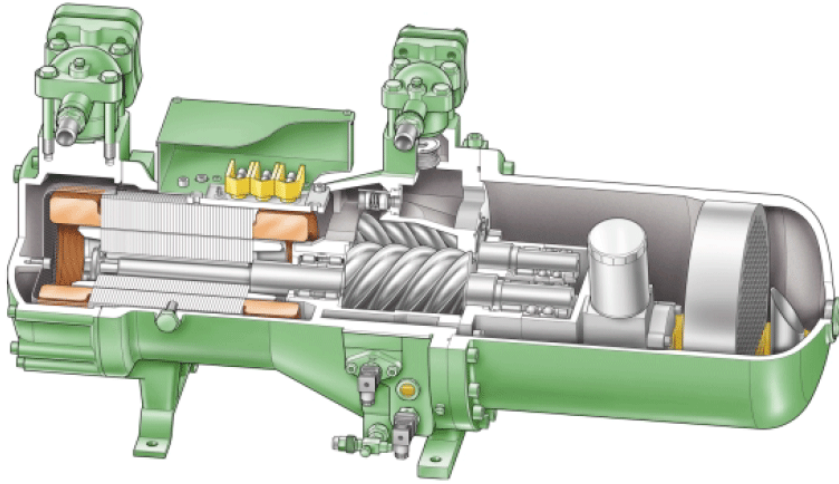


Fig.2 Capacity Control Operation

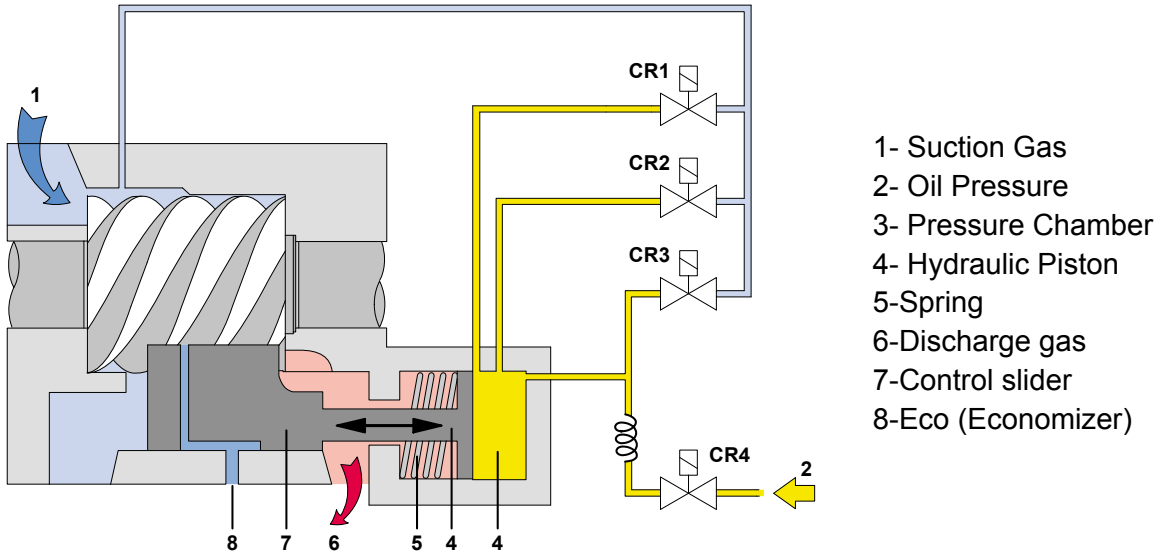
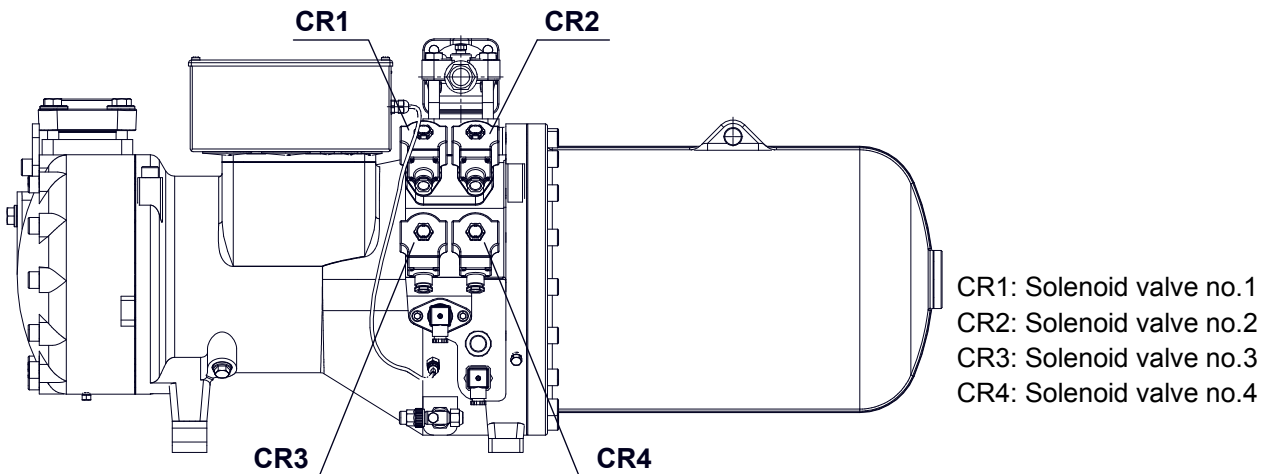


Fig.3 Arrangement of Unloading Solenoid Valves



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Selection Information

General

Cooling capacity is tabulated for all chiller models at variety of conditions to cover most comfort cooling and industrial system requirements. The water cooled ATLCS-W series are rated over a range of leaving water temperatures of 42°F to 46°F and condenser leaving water temperatures of 85°F to 105°F. The ATLCS-A series are rated over the same evaporator chilled water range at condensing temperatures of 115°F to 140°F .

Chilled Water Quantity and Range

Required cooling capacity and the desired chilled water range are the two important factors in determining the amount of water to be circulated in the evaporator. This flow rate in (GPM) is given in the performance data tables. The following formula can also be used when needed.

$$\text{GPM} = \frac{20 \times \text{Required Cooling Capacity (MBH)}}{\text{Chilled Water Range } \Delta T \text{ (}^\circ\text{F)}}$$

Water Cooled Chiller (ATLCS- W) Series

A 10°F condenser water range is generally the best compromise for the most economical cooling tower selection to satisfy the chiller requirements. Based on the above suggestion and referring to performance data tables under different condenser leaving water temperatures, we can extract the required condenser water flow rate are in GPM and the water side pressure drop (PD). Refer to the Allan Tahviah cooling tower catalogue for an appropriate cooling tower selection.

Condenser Water Temperature and Head Pressure Control

Since cooling towers are used in conjunction with water cooled condensers, the condenser water temperature available, shall be least 5°F above the ambient wet bulb temperature. For example if the ambient wet bulb temperature is 80°F, a properly sized tower will provide 85°F condenser water temperature.

For proper operation of a reciprocating water cooled chiller, it is necessary to maintain a condenser leaving water temperature not lower than 85°F. This means that a method of head pressure control such as controlling cooling tower fan via a thermostat or using a condenser water regulating valve in order to control the condenser water flow rate shall be employed.

Air Cooled Chiller (ATLCS- A) Series

ATLCS-A using requires the use of remotely located air cooled condensers. The column headed QC in the performance data tables show the required total heat rejection (THR) capacity at each condensing temperature condition. Refer to the Allan Tahviah air cooled condenser catalogue for an appropriate condenser selection.

Selection Procedure

Water Cooled Models Given:

Water Flow Rate to be chilled: 180 GPM
 Design Chilled Water Range: 10°F
 Evaporator Leaving Water Temp. : 45°F
 Design Condenser Water Range: 10°F
 Condenser Leaving Water Temp. : 95°F
 Refrigerant Type = R22

Determine Unit Model and Size

Required cooling capacity:

$$Q_e = \frac{\text{GPM} \times \text{Chilled Water Range}}{20} = \frac{180 \times 10}{20} = 90 \text{ MBH}$$

From the corresponding performance data table (Evap. Lvg. Water temp. = 45°F for R22) we select unit 1ATLCS-90W, offering 96.7 MBH or 2ATLCS-100W, offering 95MBH at 95°F Condenser Leaving Water Temperature. If we select unit 2ATLCS-100W from the same table we extract the Evap. Water Flow Rate of 190GPM and P.D. of 10.28ft.w.g. for $\Delta T=10^\circ\text{F}$.

We can also determine the Condenser Water Flow Rate of 225.9GPM and P.D. of 4ft.w.g., with the condenser GPM value given above. Refer to Allan Tahviah Cooling Tower catalogue and select the required unit or units.

Air Cooled Models Given:

Water Flow Rate to be chilled = 300 GPM
 Design Chilled Water Range = 10°F
 Evaporator Leaving Water Temp. = 45°F
 Design Condensing Temp. = 120°F
 Ambient Temp. = 100°F
 Refrigerant Type: R22

Determine Unit Model and Size

Required cooling capacity:

$$Q_e = \frac{\text{GPM} \times \text{Chilled Water Range}}{20} = \frac{300 \times 10}{20} = 150 \text{ MBH}$$

From the corresponding performance data table (Evap. Lvg. Water temp. = 45°F for R22) we select unit 3ATLCS-180A, offering 153.6MBH at 120°F Compensating Temperature. From the same table we extract the Evap. Water Flow Rate of 307GPM and P.D. of 21.5ft.w.g. for $\Delta T=10^\circ\text{F}$. We can also extract the Condenser Total Heat Rejection (THR) Capacity of 197.4MBH. With this value, refer to Allan Tahviah Air Cooled Condenser catalogue and select the required unit or units.

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 42°F

REFRIGERANT = R22	Model	Condenser Leaving Water Temperature																	
		85°F				90°F				95°F									
		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
		MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	47.6	25.2	95.1	4.52	111.4	3.88	46.2	26.4	92.3	4.32	109.3	3.71	44.9	27.7	89.7	4.14	107.6	3.57	
1ATLCS-60W	59.7	31.3	119.3	6.25	139.5	4.94	57.9	32.8	115.9	6.01	137.1	4.7	56.3	34.4	112.5	5.77	134.7	4.47	
1ATLCS-70W	69.6	38.3	139.1	7.34	163.9	6.59	67.8	39.9	135.5	7	161.3	6.17	65.9	41.7	131.9	6.66	158.9	5.86	
1ATLCS-80W	81.4	43.6	162.7	9.75	190.9	7.46	79.2	45.4	158.3	9.34	187.7	7.03	76.9	47.3	153.7	8.91	184.3	6.57	
1ATLCS-90W	96.5	49.8	192.9	12.57	225.1	7.14	94.1	51.9	188.1	12.13	221.7	6.89	91.6	54.2	183.1	11.66	218.2	6.62	
1ATLCS-100W	107.3	58.4	214.5	12.45	252.3	9.14	104.3	60.5	208.5	11.92	247.7	8.8	101.4	62.8	202.7	11.41	243.3	8.47	
1ATLCS-110W	116.6	61.9	233.1	14.19	273.2	6.79	113.5	63.6	226.9	13.55	268.1	6.44	110.2	65.7	220.3	12.97	262.8	6.06	
1ATLCS-125W	132.9	70.7	265.7	18.92	311.5	8.59	129.3	72.5	258.5	18.16	305.4	8.07	125.6	74.8	251.1	17.38	299.5	7.65	
1ATLCS-140W	152.4	85.4	304.7	17.59	359.9	5.92	149.1	88.5	298.1	16.99	355.4	5.6	145.8	91.9	291.5	16.40	350.9	5.28	
1ATLCS-180W	200.9	106.9	401.7	*	471.9	*	196.51	109.9	393.1	*	464.3	*	191.9	113.7	383.7	*	457.3	*	
1ATLCS-210W	232.9	121.4	465.9	*	544.5	*	227.41	125.4	454.9	*	536.2	*	222.3	129.9	444.5	*	528.7	*	
2ATLCS-100W	95.1	50.3	190.1	10.29	222.6	3.88	92.3	52.7	184.5	9.8	218.7	3.71	89.7	55.3	179.3	9.33	215.1	3.57	
2ATLCS-120W	119.3	62.5	238.5	16.05	278.9	4.94	115.9	65.5	231.7	15.34	274.1	4.7	112.5	68.7	224.9	14.62	269.4	4.47	
2ATLCS-140W	139.1	76.5	278.1	15.19	327.6	6.49	135.5	79.7	270.9	14.54	322.5	6.17	131.9	83.3	263.7	13.89	317.6	5.86	
2ATLCS-160W	162.7	87	325.3	20.92	381.7	7.46	158.3	90.7	316.5	19.89	375.2	7.03	153.7	94.5	307.3	18.81	368.5	6.57	
2ATLCS-180W	192.9	99.5	385.7	27.53	450.1	7.14	188.1	103.7	376.1	26.79	443.3	6.89	183.1	108.3	366.2	26.02	436.2	6.62	
2ATLCS-200W	214.5	116.7	428.9	36.29	504.5	9.14	208.5	120.9	416.9	34.58	495.2	8.8	202.7	125.5	405.3	32.92	486.6	8.47	
2ATLCS-220W	233.1	123.9	466.1	37.14	546.4	6.80	226.9	128	453.7	35.55	535.9	6.44	220.3	131.3	440.5	33.85	525.6	6.06	
2ATLCS-250W	265.7	141.3	531.3	39.54	622.8	8.50	258.5	144.9	516.9	40.68	610.8	8.07	251.1	149.5	502.1	38.78	599	7.65	
2ATLCS-280W	304.7	170.7	609.3	39.69	719.9	5.92	298.1	176.9	596.1	38.22	710.7	5.6	291.5	183.7	582.9	36.75	701.9	5.28	
2ATLCS-360W	401.7	213.9	803.3	27.93	942.9	7.74	393.1	219.9	786.1	27.19	928.6	7.28	383.7	227.3	767.3	26.42	914.6	6.77	
2ATLCS-420W	465.9	242.7	931.7	*	1089.9	*	454.9	250.9	909.7	*	1072.3	*	444.5	259.9	888.9	*	1057.3	*	
3ATLCS-150W	142.6	75.4	285.1	19.78	333.9	3.88	138.4	78.9	276.7	19.14	327.8	3.71	134.5	82.9	268.9	18.53	322.6	3.57	
3ATLCS-180W	178.9	93.7	357.7	25.37	418.4	4.94	173.8	98.3	347.5	24.59	411.1	4.7	168.7	102.9	337.3	23.80	404	4.47	
3ATLCS-210W	208.6	114.7	417.1	36.14	491.4	6.50	203.2	119.6	406.3	34.55	483.7	6.17	197.8	124.9	395.5	32.85	476.4	5.86	
3ATLCS-240W	243.9	130.6	487.9	37.95	572.5	7.46	237.4	136	474.7	36.25	562.8	7.03	230.5	141.7	460.9	34.48	552.7	6.57	
3ATLCS-270W	289.3	149.2	578.5	27.33	675.2	7.14	282.1	155.5	564.1	26.59	664.8	6.89	274.6	162.4	549.1	25.82	654.3	6.62	
3ATLCS-300W	321.7	174.9	643.3	35.99	756.7	9.14	312.7	181.3	625.3	34.28	742.8	8.8	304	188.2	607.9	32.62	729.8	8.47	
3ATLCS-330W	349.6	185.9	699.1	36.84	819.5	6.80	340.3	190.6	680.5	35.25	803.9	6.44	330.4	196.9	660.7	33.55	788.3	6.06	
3ATLCS-375W	398.5	211.9	796.9	*	934.2	8.50	387.7	217.3	775.3	*	916.1	8.07	376.6	224.2	753.1	*	898.4	7.65	
3ATLCS-420W	456.9	255.9	913.9	*	1079.8	5.92	447.1	265.3	894.1	*	1066	5.6	437.2	275.5	874.3	*	1052.8	5.28	
4ATLCS-200W	190.1	100.5	380.1	29.31	445.2	3.88	184.5	105.3	368.9	27.7	437.1	3.71	179.3	110.5	358.5	26.21	430.1	3.57	
4ATLCS-240W	238.5	124.9	476.9	36.53	557.8	4.94	231.7	130.9	463.3	34.78	548.1	4.7	224.9	137.3	449.7	33.03	538.6	4.47	
4ATLCS-280W	278.1	152.9	556.1	34.77	655.2	4.87	270.9	159.3	541.7	33.17	644.9	4.63	263.7	166.5	527.3	31.57	635.2	4.39	
4ATLCS-320W	325.3	175	650.5	21.02	763.3	5.60	316.5	181.3	632.9	19.99	750.4	5.28	307.3	188.9	614.5	18.91	736.9	4.93	
4ATLCS-360W	385.7	198.9	771.3	27.63	900.2	5.36	376.1	207.3	752.1	26.89	886.4	5.17	366.1	216.5	732.1	26.12	872.4	4.96	
4ATLCS-400W	428.9	233.3	857.7	36.49	1008.9	6.86	416.9	241.7	833.7	34.68	990.3	6.6	405.3	250.9	810.5	33.02	973.1	6.35	
4ATLCS-440W	466.1	247.7	932.1	37.34	1092.6	5.19	453.7	255	907.3	35.75	1072	4.83	440.5	262.5	880.9	34.05	1050.9	4.54	
4ATLCS-500W	531.3	282.5	1062.5	39.74	1245.6	6.38	516.9	289.7	1033.7	40.88	1221.4	6.06	502.1	298.9	1004.1	38.98	1197.8	5.73	
4ATLCS-560W	609.3	341.3	1218.5	39.89	1439.7	4.44	596.1	353.7	1192.1	38.42	1421.3	4.2	582.9	367.3	1165.7	36.95	1403.7	3.97	

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 42°F (cont.)

REFRIGERANT = R22	Model	Condenser Leaving Water Temperature											
		100°F					105°F						
		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
				GPM	PD	GPM	PD			GPM	PD	GPM	PD
1ATLCS-50W	43.6	29	87.1	3.95	105.9	3.43	42.3	30.7	84.5	3.77	104.3	3.29	
1ATLCS-60W	54.7	37	109.3	5.54	132.6	4.28	53.1	37.9	106.1	5.31	130.7	4.08	
1ATLCS-70W	64.1	43.7	128.1	6.29	156.4	5.55	62.1	45.9	124.1	5.92	153.8	5.21	
1ATLCS-80W	74.6	49.5	149.1	8.48	181.1	6.16	72.1	51.9	144.1	8.01	177.6	5.69	
1ATLCS-90W	89.1	56.8	178.1	11.19	214.9	6.38	86.5	59.6	172.9	10.69	211.4	6.13	
1ATLCS-100W	98.4	65.4	196.7	10.88	238.9	8.16	95.4	68.4	190.7	10.35	234.9	7.86	
1ATLCS-110W	106.9	68.2	213.7	12.38	257.8	5.72	103.4	71.3	206.7	11.76	252.8	5.36	
1ATLCS-125W	121.8	77.7	243.5	16.58	293.8	7.25	117.8	81.3	235.5	15.74	288.1	6.85	
1ATLCS-140W	142.3	95.7	284.5	15.76	346.5	4.97	138.7	99.9	277.3	15.11	342.1	4.65	
1ATLCS-180W	186.9	119	373.9	*	450.4	*	181.71	122.9	363.5	*	443.1	*	
1ATLCS-210W	216.9	136	433.7	*	521.2	*	211.21	140.8	422.5	*	513.6	*	
2ATLCS-100W	87.1	59	174.1	8.87	211.7	3.43	84.5	62	168.9	8.41	208.4	3.29	
2ATLCS-120W	109.3	73	218.5	13.95	265.2	4.28	106.1	75.9	212.1	13.27	261.2	4.09	
2ATLCS-140W	128.1	87.3	256.1	13.19	312.6	5.55	124.1	91.7	248.1	12.48	307.5	5.22	
2ATLCS-160W	149.1	98.9	298.1	17.72	362.2	6.16	144.1	103.5	288.1	16.55	355.1	5.69	
2ATLCS-180W	178.1	113.5	356.1	25.25	429.7	6.38	172.9	118.9	345.7	24.45	422.7	6.13	
2ATLCS-200W	196.7	130.7	393.3	31.19	477.9	8.16	190.7	136.5	381.3	29.48	469.7	7.86	
2ATLCS-220W	213.7	136.3	427.3	32.15	515.6	5.72	206.7	142.3	413.3	30.35	505.5	5.36	
2ATLCS-250W	243.5	155.3	486.9	33.82	587.5	7.25	235.5	162.3	470.9	34.76	576.1	6.85	
2ATLCS-280W	284.5	191.3	568.9	35.19	692.9	4.97	277.3	199.9	554.5	33.60	683.9	4.65	
2ATLCS-360W	373.9	237	747.7	25.65	900.7	6.29	363.5	245.9	726.9	24.85	886.2	5.78	
2ATLCS-420W	433.7	271	867.3	*	1042.2		422.5	281.5	844.9	*	1027.3		
3ATLCS-150W	130.6	88	261.1	17.93	317.5	3.43	126.7	91.6	253.3	17.33	312.6	3.29	
3ATLCS-180W	163.9	109	327.7	23.06	397.7	4.28	159.1	113.8	318.1	22.32	391.8	4.09	
3ATLCS-210W	192.1	130.9	384.1	31.15	468.9	5.55	186.1	137.5	372.1	29.35	461.2	5.22	
3ATLCS-240W	223.6	148.4	447.1	32.69	543.2	6.16	216.1	155.2	432.1	30.77	532.6	5.69	
3ATLCS-270W	267.1	170.2	534.1	25.05	644.4	6.38	259.3	178.3	518.5	24.25	633.9	6.13	
3ATLCS-300W	294.9	195.9	589.9	30.90	716.9	8.16	285.9	204.7	571.9	29.18	704.5	7.86	
3ATLCS-330W	320.5	204.4	640.9	31.85	773.3	5.72	309.9	213.4	619.9	30.05	758.2	5.36	
3ATLCS-375W	365.2	232.9	730.3	*	881.2	7.25	353.2	243.4	706.3	*	863.9	6.85	
3ATLCS-420W	426.7	286.9	853.3	*	1039.2	4.97	415.9	299.8	831.7	*	1025.9	4.65	
4ATLCS-200W	174.1	117	348.3	24.72	423.5	3.43	168.9	123	337.7	23.23	416.8	3.30	
4ATLCS-240W	218.5	145	436.9	31.39	530.5	4.28	212.2	151.7	424.1	29.74	522.4	4.09	
4ATLCS-280W	256.1	174.8	512.3	29.88	625.4	4.16	248.2	183.3	496.1	28.09	614.9	3.92	
4ATLCS-320W	298.1	197.9	596.3	17.82	724.4	4.62	288.2	206.9	576.1	16.65	710.2	4.27	
4ATLCS-360W	356.1	226.9	712.3	25.35	859.3	4.79	345.8	237.7	691.3	24.55	845.3	4.60	
4ATLCS-400W	393.3	261.5	786.6	31.29	955.9	6.12	381.4	272.9	762.5	29.58	939.4	5.90	
4ATLCS-440W	427.3	272.7	854.6	32.35	1031.2	4.29	413.4	284.5	826.5	30.55	1010.9	4.02	
4ATLCS-500W	486.9	310.7	973.7	34.02	1174.9	5.44	470.9	324.5	941.7	34.96	1151.9	5.14	
4ATLCS-560W	568.9	382.7	1137.8	35.40	1385.7	3.73	554.6	399.7	1108.9	33.79	1367.9	3.49	

Note:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 44°F

REFRIGERANT = R22	Model	Condenser Leaving Water Temperature																	
		85°F				90°F				95°F									
		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
		MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	49.4	25.2	98.7	4.78	114.9	4.17	47.9	26.5	95.9	4.58	113	4.01	46.7	27.8	93.3	4.39	111.3	3.87	
1ATLCS-60W	61.9	31.3	123.9	6.58	144.0	5.38	60.3	32.8	120.3	6.33	141.5	5.13	58.5	34.5	116.9	6.08	139.2	4.91	
1ATLCS-70W	72.3	38.7	144.5	7.85	169.4	7.21	70.5	40.3	140.7	7.49	166.8	6.86	68.5	42	136.9	7.13	164.1	6.53	
1ATLCS-80W	84.6	44	169.1	10.35	197.5	8.35	82.3	45.8	164.3	9.90	193.9	7.87	79.9	47.8	159.7	9.47	190.6	7.43	
1ATLCS-90W	100.1	50.3	200.1	13.25	232.5	7.69	97.7	52.3	195.1	12.78	228.9	7.42	95.1	54.7	190.1	12.31	225.5	7.17	
1ATLCS-100W	111.5	59.3	222.9	13.19	261.2	9.79	108.5	61.4	216.7	12.65	256.4	9.44	105.4	63.6	210.7	12.12	251.9	9.11	
1ATLCS-110W	121.2	63.4	242.3	14.92	283.2	7.51	118	64.8	235.9	14.35	277.8	7.13	114.7	66.7	229.3	13.77	272.5	6.75	
1ATLCS-125W	138.1	72.2	276.1	20.01	322.7	9.29	134.5	73.8	268.9	19.25	316.7	8.86	130.7	76	261.3	18.45	310.5	8.43	
1ATLCS-140W	157.8	86.7	315.5	18.56	371.5	6.74	154.4	89.7	308.7	17.95	366.8	6.40	151	94	301.9	17.33	362.2	6.07	
1ATLCS-180W	208.8	108.8	417.5	*	487.9	*	204.21	111.6	408.5	*	480.8	*	199.6	116	399.1	*	473.7	*	
1ATLCS-210W	241.6	123.4	483.1	*	562.9	*	236.41	127.3	472.9	*	555.4	*	231.2	131.7	462.3	*	547.6	*	
2ATLCS-100W	98.7	50.3	197.3	10.93	229.8	4.17	95.9	52.8	191.7	10.43	225.9	4.01	93.3	55.5	186.5	9.97	222.4	3.87	
2ATLCS-120W	123.9	62.5	247.7	17.02	288.2	5.38	120.3	65.5	240.5	16.26	282.9	5.13	116.9	68.9	233.7	15.55	278.3	4.91	
2ATLCS-140W	144.5	77.3	288.9	16.16	338.9	7.21	140.7	80.5	281.3	15.47	333.4	6.86	136.9	85	273.7	14.79	328.2	6.53	
2ATLCS-160W	169.1	87.9	338.2	22.43	395	8.35	164.3	91.5	328.5	21.30	387.8	7.87	159.7	95.5	319.3	20.22	381.1	7.43	
2ATLCS-180W	200.1	100.5	400.2	28.63	465.2	7.69	195.1	104.5	390.1	27.86	457.8	7.42	190.1	109.3	380.1	27.09	450.9	7.17	
2ATLCS-200W	222.9	118.5	445.8	38.71	522.5	9.8	216.7	122.7	433.3	36.93	512.8	9.44	210.7	128	421.3	35.21	503.6	9.11	
2ATLCS-220W	242.3	126.7	484.6	39.51	566.6	7.51	235.9	129.5	471.7	37.87	555.6	7.13	229.3	133.4	458.5	36.17	544.9	6.75	
2ATLCS-250W	276.1	144.3	552.2	42.21	645.6	9.30	268.9	147.5	537.7	43.36	633.3	8.86	261.3	151.9	522.5	41.40	620.9	8.43	
2ATLCS-280W	315.5	173.3	630.9	42.09	743.2	6.74	308.7	179.3	617.3	40.58	733.5	6.40	301.9	187	603.7	39.07	724.3	6.07	
2ATLCS-360W	417.5	217.5	834.9	29.03	975.8	8.94	408.5	224	816.9	28.26	961.5	8.43	399.1	231	798.1	27.49	947.2	7.93	
2ATLCS-420W	483.1	246.7	966.1	*	1126	*	472.9	254.5	945.7	*	1110.6	*	462.3	263.3	924.5	*	1095.1	*	
3ATLCS-150W	148	75.4	295.9	20.61	344.7	4.17	143.8	79.3	287.5	19.97	338.8	4.01	139.9	83.2	279.7	19.37	333.6	3.87	
3ATLCS-180W	185.8	93.7	371.5	26.43	432.2	5.38	180.4	98.2	360.6	25.60	424.3	5.13	175.3	103.3	350.5	24.82	417.4	4.91	
3ATLCS-210W	216.7	115.9	433.3	38.51	508.4	7.21	211	120.7	421.8	36.87	500.1	6.86	205.2	127	410.5	35.17	492.2	6.53	
3ATLCS-240W	253.6	131.8	507.1	40.42	592.5	8.35	246.4	137.2	492.6	38.57	581.6	7.87	239.5	143.2	478.9	36.79	571.7	7.43	
3ATLCS-270W	300.1	150.8	600.1	28.43	697.7	7.69	292.6	156.7	585.0	27.66	686.6	7.42	285.1	163.9	570.1	26.89	676.3	7.17	
3ATLCS-300W	334.3	177.7	668.5	38.41	783.7	9.80	325	184	649.8	36.63	769.1	9.44	316	190.6	631.9	34.91	755.4	9.11	
3ATLCS-330W	363.4	189.9	726.7	39.21	849.8	7.51	353.8	194.2	707.4	37.57	833.3	7.13	343.9	199.9	687.7	35.87	817.2	6.74	
3ATLCS-375W	414.1	216.5	828.1	*	968.3	9.30	403.3	221.2	806.4	*	949.8	8.86	391.9	227.8	783.7	*	931.3	8.43	
3ATLCS-420W	473.2	259.9	946.3	*	1114.7	6.74	463	268.8	925.8	*	1100.2	6.40	452.8	280	905.5	*	1086.4	6.07	
4ATLCS-200W	197.5	100.5	394.5	31.37	459.7	4.17	191.7	105.7	383.3	29.78	451.8	4.01	186.5	110.9	372.9	28.29	444.8	3.88	
4ATLCS-240W	247.7	124.9	495.3	38.90	576.2	5.38	240.5	130.9	480.9	37.05	565.7	5.13	233.7	137.7	467.4	35.30	556.6	4.92	
4ATLCS-280W	288.9	154.5	577.7	37.17	677.8	5.41	281.3	160.9	562.5	35.48	666.7	5.16	273.7	169	547.4	33.79	656.3	4.90	
4ATLCS-320W	338.1	175.7	676.1	22.53	789.9	6.27	328.5	182.9	656.9	21.40	775.5	5.90	319.3	190.9	638.6	20.32	762.3	5.58	
4ATLCS-360W	400.1	200.9	800.1	28.73	930.3	5.77	390.2	208.9	780.2	27.96	915.6	5.57	380.1	218.6	760.2	27.19	901.9	5.39	
4ATLCS-400W	445.7	236.9	891.3	38.81	1045	7.35	433.3	245.3	866.5	37.04	1025.6	7.09	421.3	255	842.6	35.32	1007.3	6.84	
4ATLCS-440W	484.5	253.3	968.9	39.71	1133	5.64	471.7	258.9	943.3	38.07	1111.2	5.36	458.5	266.6	916.9	36.38	1089.8	5.08	
4ATLCS-500W	552.1	288.5	1105	42.41	1292	6.98	537.7	294.9	1075.4	43.56	1266.5	6.66	522.5	303.8	1044.9	41.60	1241.8	6.34	
4ATLCS-560W	630.9	346.5	1262	42.29	1487	5.07	617.3	358.4	1234.6	40.78	1466.8	4.80	603.7	373	1207.4	39.28	1448.6	4.57	

Note:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 44°F (cont.)

REFRIGERANT = R22	Model	Condenser Leaving Water Temperature											
		100°F						105°F					
		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
		MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	45.3	29.4	90.5	4.19	109.4	3.72	44	30.8	87.9	4.01	107.8	3.59	
1ATLCS-60W	56.8	36.4	113.5	5.84	137	4.69	55.2	38.2	110.3	5.61	135	4.50	
1ATLCS-70W	66.6	44	133.1	6.77	161.6	6.21	64.6	46.2	129.1	6.39	159	5.88	
1ATLCS-80W	77.4	49.9	154.7	8.99	187	6.94	75	52.3	149.9	8.56	183.7	6.51	
1ATLCS-90W	92.5	57.2	184.9	11.83	221.9	6.90	89.8	59.9	179.5	11.32	218.3	6.64	
1ATLCS-100W	102.3	66	204.5	11.57	247.3	8.77	99.2	68.9	198.3	11.02	242.9	8.45	
1ATLCS-110W	111.2	69	222.3	13.15	267	6.36	107.6	73	215.1	12.51	261.8	5.99	
1ATLCS-125W	126.7	78.9	253.3	17.61	304.3	7.99	122.6	83	245.1	16.75	298.3	7.57	
1ATLCS-140W	147.5	96.8	294.9	16.70	357.6	5.75	143.8	101	287.5	16.03	352.9	5.42	
1ATLCS-180W	194.5	119.4	388.9	*	466.2	*	189.20	124.2	378.3	*	458.8	*	
1ATLCS-210W	225.7	136.8	451.3	*	539.9	*	219.80	142.3	439.5	*	531.7	*	
2ATLCS-100W	90.5	58.5	180.9	9.48	218.8	3.72	87.9	61.5	175.7	9.02	215.5	3.59	
2ATLCS-120W	113.5	72.5	226.9	14.84	273.8	4.69	110.4	76.3	220.5	14.16	269.9	4.49	
2ATLCS-140W	133.1	89	266.2	14.10	323.0	6.21	129.2	92.3	258.1	13.38	317.9	5.88	
2ATLCS-160W	154.7	99.7	309.4	19.04	373.8	6.94	149.9	104.5	299.7	17.91	367.4	6.51	
2ATLCS-180W	184.9	114.3	369.8	26.29	443.6	6.90	179.6	119.9	358.9	25.46	436.6	6.64	
2ATLCS-200W	204.5	133	408.9	33.44	494.4	8.77	198.4	137.7	396.5	31.66	485.7	8.45	
2ATLCS-220W	222.3	139	444.5	34.36	533.9	6.37	215.2	145	430.1	32.51	523.5	5.99	
2ATLCS-250W	253.3	157.7	506.5	36.34	608.4	7.99	245.2	165	490.1	37.23	596.4	7.57	
2ATLCS-280W	294.9	193.6	589.7	37.51	715.0	5.75	287.6	201.9	574.9	35.86	705.7	5.42	
2ATLCS-360W	388.9	238.6	777.7	26.69	932.1	7.40	378.4	248.3	756.5	25.86	917.4	6.88	
2ATLCS-420W	451.3	273.5	902.5	*	1079.5	*	439.6	284.5	878.9	*	1063.3	*	
3ATLCS-150W	135.7	87.7	271.3	18.72	328.1	3.72	131.8	92.2	263.5	18.12	323.2	3.59	
3ATLCS-180W	170.2	108.7	340.3	24.03	410.7	4.69	165.4	114.4	330.7	23.29	404.8	4.49	
3ATLCS-210W	199.6	133	399.1	33.36	484.7	6.21	193.6	138.4	387.1	31.51	476.8	5.88	
3ATLCS-240W	231.9	149.5	463.9	34.86	560.8	6.94	224.8	156.7	449.5	33.01	550.9	6.51	
3ATLCS-270W	277.3	171.4	554.5	26.09	665.6	6.89	269.2	179.8	538.3	25.26	654.8	6.64	
3ATLCS-300W	306.7	199	613.3	33.13	741.7	8.77	297.4	206.5	594.7	31.36	728.5	8.45	
3ATLCS-330W	333.4	208	666.7	34.06	800.9	6.36	322.6	217	645.1	32.21	785.1	5.99	
3ATLCS-375W	379.9	236.2	759.7	*	912.8	7.99	367.6	247	735.1	*	894.6	7.57	
3ATLCS-420W	442.3	290.2	884.5	*	1072.6	5.75	431.2	302.8	862.3	*	1058.5	5.42	
4ATLCS-200W	180.9	116.9	361.7	26.67	437.4	3.72	175.7	122.9	351.3	25.18	430.9	3.59	
4ATLCS-240W	226.9	144.9	453.7	33.55	547.6	4.69	220.5	152.5	440.9	31.89	539.7	4.49	
4ATLCS-280W	266.1	177	532.1	32.19	646.2	4.66	258.1	184.5	516.3	30.33	635.6	4.41	
4ATLCS-320W	309.3	199.4	618.5	19.14	747.6	5.21	299.7	208.9	599.3	18.01	734.7	4.88	
4ATLCS-360W	369.7	228.6	739.4	26.39	887.4	5.18	358.9	239.7	717.7	25.56	872.9	4.98	
4ATLCS-400W	408.9	266	817.8	33.53	988.8	6.58	396.5	275.3	792.9	31.76	971.3	6.34	
4ATLCS-440W	444.5	277	888.9	34.56	1067.8	4.78	430.1	289	860.1	32.71	1046.8	4.49	
4ATLCS-500W	506.5	314.9	1012.9	36.54	1217	6	490.1	329	980.1	37.43	1192.7	5.68	
4ATLCS-560W	589.7	386.9	1179.3	37.71	1430.0	4.31	574.9	403.7	1149.6	36.06	1411.2	4.07	

Note:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 45°F

REFRIGERANT = R22	Model	Condenser Leaving Water Temperature																	
		85°F				90°F				95°F									
		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
		MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	50.4	25.2	100.7	4.92	117	4.33	48.9	26.5	97.9	4.72	115	4.17	47.6	27.8	95.1	4.52	113.1	4.01	
1ATLCS-60W	63.2	31.3	126.3	6.76	146.5	5.61	61.4	32.8	122.7	6.49	143.9	5.36	59.6	34.5	119.1	6.24	141.4	5.12	
1ATLCS-70W	73.6	38.9	147.1	8.09	172.3	7.55	71.7	40.5	143.3	7.73	169.5	7.21	69.9	42.3	139.5	7.37	166.9	6.87	
1ATLCS-80W	86.1	44.3	172.1	10.63	200.8	8.78	83.8	47	167.5	10.19	197.3	8.32	81.5	47.9	162.7	9.75	193.8	7.84	
1ATLCS-90W	101.9	50.5	203.7	13.58	236.4	9.97	99.4	52.7	198.7	13.12	232.7	7.69	96.8	54.9	193.5	12.63	228.9	7.43	
1ATLCS-100W	113.6	59.8	227.1	13.57	265.8	10.13	110.5	61.8	220.9	13.02	260.9	9.77	107.5	64	214.7	12.47	256.1	9.42	
1ATLCS-110W	123.5	65	246.9	15.33	288.4	7.87	120.3	65.4	240.5	14.76	282.8	7.48	116.9	67.3	233.7	14.16	277.3	7.09	
1ATLCS-125W	140.8	74	281.5	20.58	328.8	9.72	137.1	74.6	274.1	19.80	322.4	9.27	133.2	76.7	266.3	18.98	316	8.81	
1ATLCS-140W	160.6	87.4	321.1	19.07	377.7	7.17	157.1	90.3	314.1	18.44	372.6	6.81	153.7	93.7	307.3	17.82	368	6.48	
1ATLCS-180W	212.8	109.7	425.5	*	496.6	*	208.22	112.4	416.5	*	489.3	*	203.5	115.8	406.9	*	481.9	*	
1ATLCS-210W	246.3	124.5	492.5	*	573.1	*	241.2	128.1	482.3	*	565.3	*	235.8	132.6	471.5	*	557.4	*	
2ATLCS-100W	100.7	50.3	201.3	11.28	233.8	4.33	97.9	52.9	195.7	10.79	229.9	4.17	95.1	55.5	190.1	10.29	226	4.01	
2ATLCS-120W	126.3	62.5	252.5	17.53	293	5.61	122.7	65.5	245.3	16.77	287.7	5.36	119.1	68.9	238.1	16.01	282.7	5.12	
2ATLCS-140W	147.1	77.7	294.1	16.63	344.4	7.55	143.3	80.9	286.5	15.94	338.9	7.21	139.5	84.5	278.9	15.26	333.7	6.88	
2ATLCS-160W	172.1	88.5	344.1	23.13	401.4	8.78	167.6	93	334.9	22.05	394.5	8.32	162.7	95.9	325.3	20.92	387.4	7.84	
2ATLCS-180W	203.7	100.9	407.3	29.19	472.6	7.97	198.7	106	397.3	28.42	465.4	7.70	193.5	109.7	386.9	27.62	458	7.43	
2ATLCS-200W	227.1	119.5	454.1	39.91	531.5	10.13	220.9	123.5	441.7	38.14	521.7	9.77	214.7	127.9	429.3	36.36	512.3	9.42	
2ATLCS-220W	246.9	129	493.8	40.70	576.7	7.87	240.5	130.7	480.9	39.05	565.6	7.48	233.7	134.5	467.3	37.30	554.4	7.09	
2ATLCS-250W	281.5	147	562.9	43.60	657.5	9.72	274.1	150	548.1	44.70	644.7	9.27	266.3	153.3	532.5	42.69	631.8	8.82	
2ATLCS-280W	321.1	174.7	642.1	43.33	755.3	7.17	314.1	180.5	628.1	41.78	745	6.81	307.3	187.4	614.5	40.27	735.9	6.48	
2ATLCS-360W	425.5	219.3	850.9	29.59	992.9	9.55	416.5	224.7	832.9	28.82	978.5	9.03	406.9	231.5	813.7	28.02	963.8	8.52	
2ATLCS-420W	492.5	248.9	984.9	*	1146.2	*	482.3	256.2	964.5	*	1130.6	*	471.5	266	942.9	*	1114.8	*	
3ATLCS-150W	151	75.5	302	21.09	350.8	4.34	146.9	79.4	293.7	20.44	344.9	4.18	142.8	83.4	285.3	19.79	340	4.03	
3ATLCS-180W	190	93.9	379	26.99	439.3	5.62	184	98.1	367.8	26.15	431.6	5.37	178.9	103.5	357.2	25.34	425	5.13	
3ATLCS-210W	221	116.6	441.3	39.71	516.5	7.56	214.9	121.2	429.6	38.04	508.4	7.22	209.6	126.8	418.5	36.33	500.7	6.89	
3ATLCS-240W	258.5	132.9	516.3	41.58	602.0	8.79	251.3	138	502.2	39.79	591.8	8.33	247	143.9	488	37.97	581.4	7.86	
3ATLCS-270W	305.8	151.5	610.9	28.99	708.8	7.98	298	157.5	595.8	28.21	698	7.70	291	164.7	580.5	27.45	687	7.45	
3ATLCS-300W	340.8	179.5	681.2	39.64	797.1	10.15	331.3	185.1	662.4	37.83	782.4	9.76	324	191.9	645	36.08	768.4	9.44	
3ATLCS-330W	370.5	193	740.6	40.40	864.9	7.88	360.8	195.9	721.2	38.74	848.2	7.47	350.7	202	701	37	831.8	7.10	
3ATLCS-375W	422.3	220	844.4	*	986.2	9.73	411.3	223.5	822.0	*	966.9	9.26	399.8	230	798.8	*	947.8	8.82	
3ATLCS-420W	481.8	262	963.4	*	1132.8	7.19	471.3	270.6	942.0	*	1117.4	6.80	461	281	921.8	*	1103.8	6.49	
4ATLCS-200W	201.4	100.6	402.5	32.53	467.7	4.34	195.8	105.8	391.5	30.93	459.9	4.18	190.1	111	380.2	29.31	451.9	4.02	
4ATLCS-240W	252.5	125	504.9	40.15	585.9	5.62	245.4	131	490.7	38.29	575.4	5.37	238.2	137.8	476.2	36.43	565.3	5.13	
4ATLCS-280W	294.2	155.5	588.2	38.34	688.8	5.68	286.6	161.8	573	36.65	677.8	5.42	279	169	557.8	34.95	667.1	5.17	
4ATLCS-320W	344.2	177	688.2	23.24	802.8	6.60	335	186	669.8	22.16	790	6.25	325.5	191.9	650.6	21.02	774.7	5.89	
4ATLCS-360W	407.3	201.8	814.6	29.30	945.3	5.99	397.4	212	794.6	28.53	930.7	5.79	387	219.4	773.8	27.72	915.8	5.57	
4ATLCS-400W	454.2	239	908.2	40.02	1063	7.61	441.8	247	883.5	38.25	1043.4	7.34	429.6	255.8	858.6	36.46	1024.2	7.08	
4ATLCS-440W	493.7	258	987.4	40.92	1153.4	5.92	481	261.4	961.8	39.26	1132	5.62	467.7	269	934.6	37.50	1108.8	5.33	
4ATLCS-500W	562.9	294	1125.8	43.82	1316	7.30	548.2	300	1096.3	44.91	1289.5	6.96	532.8	306.6	1065	42.89	1263.5	6.63	
4ATLCS-560W	642.2	349.4	1284.2	43.53	1510.6	5.39	628.2	361	1256.3	41.99	1490	5.12	614.7	374.6	1229	40.47	1471.6	4.87	

Note:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- P.D: Water Pressure Drop (ft.W.G)
- W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 45°F (cont.)

REFRIGERANT = R22	Model	Condenser Leaving Water Temperature											
		100°F						105°F					
		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
		MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	46.2	29.3	92.4	4.33	111.2	3.88	45	31	89.8	4.15	109.8	3.75	
1ATLCS-60W	57.9	36.4	115.7	6	139.1	4.91	56.3	38.3	112.5	5.77	137.3	4.72	
1ATLCS-70W	67.8	44.3	135.5	7	164.1	6.53	65.9	46.4	131.5	6.62	161.5	6.20	
1ATLCS-80W	78.9	50.2	157.7	9.28	190.1	7.37	76.4	52.5	152.7	8.82	186.7	6.90	
1ATLCS-90W	94.2	57.5	188.3	12.14	225.3	7.16	91.5	60.2	182.9	11.64	221.9	6.90	
1ATLCS-100W	104.3	66.5	208.5	11.92	251.4	9.08	101.2	69.2	202.1	11.36	246.9	8.74	
1ATLCS-110W	113.4	69.6	226.7	13.54	271.7	6.70	109.8	72.5	219.2	12.88	266.2	6.32	
1ATLCS-125W	129.2	79.5	258.3	18.14	309.6	8.37	125.1	82.6	250.1	17.28	303.6	7.94	
1ATLCS-140W	150.1	97.4	300.1	17.17	363.1	6.14	146.5	133.4	292.7	16.50	379.1	7.27	
1ATLCS-180W	168.4	103.5	336.7	*	403.6	*	164.01	108.3	328.1	*	398.2	*	
1ATLCS-210W	230.2	137.5	460.1	*	549.1	*	224.2	143	448.3	*	540.9	*	
2ATLCS-100W	92.4	58.5	184.5	9.80	222.4	3.87	89.7	61.6	179.3	9.33	219.2	3.74	
2ATLCS-120W	115.7	72.7	231.3	15.29	278.4	4.91	112.5	76.4	224.9	14.62	274.4	4.72	
2ATLCS-140W	135.5	88.5	270.9	14.54	328.2	6.53	131.5	92.6	262.9	13.82	322.9	6.20	
2ATLCS-160W	157.7	100.3	315.3	19.75	380.3	7.37	152.7	104.8	305.3	18.57	373.2	6.90	
2ATLCS-180W	188.3	114.7	376.5	26.82	450.8	7.16	182.9	120.2	365.7	25.99	443.6	6.90	
2ATLCS-200W	208.5	132.9	416.9	34.58	503	9.08	202.1	138.2	404.1	32.75	493.7	8.74	
2ATLCS-220W	226.7	140	453.3	35.50	543.4	6.70	219.3	144.8	438.5	33.59	532.4	6.32	
2ATLCS-250W	258.3	158.7	516.5	37.63	619.3	8.37	250.1	165	500.1	38.52	607.1	7.94	
2ATLCS-280W	300.1	194.7	600.1	38.67	726.3	6.14	292.7	266.6	585.3	37.02	758.1	7.27	
2ATLCS-360W	336.7	206.9	673.3	27.22	807.4	2.99	328.0	216.2	656.1	26.39	796.3	2.62	
2ATLCS-420W	460.1	274.9	920.1	*	1098.2	*	448.2	285.8	896.5	*	1081.7	*	
3ATLCS-150W	138.4	87.7	276.7	19.14	333.5	3.87	134.5	92.5	268.9	18.53	328.8	3.74	
3ATLCS-180W	173.5	109	346.9	24.54	417.5	4.91	168.7	114.7	337.3	23.80	411.6	4.72	
3ATLCS-210W	203.2	132.7	406.3	34.50	492.3	6.53	197.2	139	394.3	32.59	484.3	6.20	
3ATLCS-240W	236.5	150.4	472.9	36.02	570.3	7.37	229	157.3	457.9	34.09	559.8	6.20	
3ATLCS-270W	282.4	172	564.7	26.62	676.1	7.16	274.3	180.4	548.5	25.79	665.4	6.90	
3ATLCS-300W	312.7	199.3	625.3	34.28	754.4	9.08	303.1	207.4	606.1	32.45	740.5	8.74	
3ATLCS-330W	340	208.6	679.9	35.19	815.1	6.70	328.9	217.3	657.7	33.29	798.5	6.31	
3ATLCS-375W	387.5	238	774.7	*	928.9	8.37	375.1	247.6	750.1	*	910.5	7.94	
3ATLCS-420W	450.1	292	900.1	*	1089.3	6.14	439	399.9	877.9	*	1137.1	7.27	
4ATLCS-200W	184.5	116.9	368.9	27.70	444.6	3.87	179.3	123.3	358.5	26.21	438.4	3.74	
4ATLCS-240W	231.3	145.3	462.5	34.68	556.6	4.91	224.9	152.9	449.7	33.03	548.8	4.72	
4ATLCS-280W	270.9	176.9	541.7	33.17	656.3	4.90	262.9	185.3	525.7	31.39	645.8	4.65	
4ATLCS-320W	315.3	200.5	630.5	19.85	760.4	5.53	305.3	209.7	610.5	18.67	746.4	5.18	
4ATLCS-360W	376.5	229.3	752.9	26.92	901.5	5.37	365.7	240.5	731.3	26.09	887.1	5.18	
4ATLCS-400W	416.9	265.7	833.7	34.69	1005.9	6.82	404.1	276.5	808.1	32.85	987.3	6.56	
4ATLCS-440W	453.3	279	906.5	35.69	1086.7	5.03	438.5	289.7	876.9	33.79	1064.6	4.73	
4ATLCS-500W	516.5	317.3	1032.9	37.83	1238.5	6.28	500.1	331	1000.1	38.72	1213.9	5.96	
4ATLCS-560W	600.1	389.3	1200.1	38.87	1452.4	4.61	585.3	533.3	1170.5	37.22	1516.2	5.45	

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 46°F

REFRIGERANT = R22	Model	Condenser Leaving Water Temperature																	
		85°F				90°F				95°F									
		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
		MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	51.2	25.3	102.3	5.04	118.6	4.47	48.9	26.5	97.7	4.71	114.8	4.15	47.6	27.7	95.1	4.52	113.1	4.01	
1ATLCS-60W	64.2	31.4	128.3	6.90	148.6	5.80	61.4	32.8	122.7	6.49	143.9	5.35	59.6	34.4	119.1	6.24	141.4	5.12	
1ATLCS-70W	74.8	39.3	149.5	8.32	174.9	7.89	71.7	40.5	143.3	7.73	169.5	7.20	69.8	42.2	139.5	7.37	166.8	6.87	
1ATLCS-80W	87.5	44.7	174.9	10.89	203.8	9.19	83.8	46	167.5	10.20	197.3	8.31	81.4	47.9	162.7	9.75	193.8	7.84	
1ATLCS-90W	103.5	50.9	206.9	13.88	239.8	8.22	99.4	52.6	198.7	13.12	232.6	7.69	96.8	54.8	193.5	12.63	228.9	7.43	
1ATLCS-100W	115.5	60.6	230.9	13.91	270.1	10.45	110.5	61.8	220.9	13.02	260.8	9.76	107.4	63.9	214.7	12.47	256.1	9.42	
1ATLCS-110W	125.6	65	251.1	15.70	293.2	8.21	120.3	65.4	240.5	14.76	282.7	7.47	116.9	67.2	233.7	14.16	277.3	7.09	
1ATLCS-125W	143.1	75	286.1	21.07	334.2	10.09	137.1	74.6	274.1	19.80	322.3	9.26	133.2	76.6	266.3	18.98	316	8.81	
1ATLCS-140W	163	88.5	325.9	19.50	383.2	7.56	157.1	90.3	314.1	18.43	372.5	6.80	153.7	93.6	307.3	17.82	368	6.48	
1ATLCS-180W	216.4	111	432.7	*	504.5	*	208.21	112.4	416.4	*	489.2	*	203.4	115.7	406.8	*	481.8	*	
1ATLCS-210W	250.4	126	500.7	*	582.3	*	241.11	128.2	482.2	*	565.2	*	235.7	132.5	471.4	*	557.3	*	
2ATLCS-100W	102.4	50.5	204.5	11.56	237.2	4.47	97.7	52.8	195.4	10.76	229.5	4.16	95.2	55.5	190.2	10.29	226	4.01	
2ATLCS-120W	128.4	62.7	256.5	17.96	297.1	5.80	122.7	65.5	245.4	16.77	287.7	5.36	119.2	68.9	238.2	16.01	282.7	5.12	
2ATLCS-140W	149.6	78.5	298.9	17.06	349.7	7.89	143.3	80.9	286.6	15.94	338.9	7.22	139.5	84.5	278.9	15.26	333.6	6.87	
2ATLCS-160W	174.9	89.4	349.7	23.79	407.5	9.19	167.5	93	334.9	22.06	394.5	8.32	162.7	95.9	325.3	20.92	387.4	7.84	
2ATLCS-180W	206.9	101.8	413.7	29.68	479.6	8.22	198.7	106	397.4	28.42	465.5	7.70	193.5	109.7	386.9	27.62	458	7.43	
2ATLCS-200W	230.9	122	461.7	40.99	540.1	10.45	220.9	123.5	441.8	38.15	521.7	9.77	214.7	127.9	429.3	36.36	512.2	9.42	
2ATLCS-220W	251.1	129.9	502.1	41.78	586.2	8.21	240.5	130.8	480.9	39.04	565.8	7.48	233.7	134.5	467.4	37.30	554.4	7.09	
2ATLCS-250W	286.1	149	572.1	44.79	668	10.10	274.2	150	548.1	44.70	644.7	9.27	266.4	153.3	532.5	42.69	631.8	8.81	
2ATLCS-280W	325.9	176.9	651.7	44.40	766.3	7.57	314.2	180.6	628.2	41.78	745	6.82	307.4	187.5	614.5	40.27	735.9	6.48	
2ATLCS-360W	432.7	221.9	865.3	30.08	1009.1	10.12	416.5	224.8	832.9	28.82	978.5	9.03	406.9	231.6	813.7	28.02	963.7	8.51	
2ATLCS-420W	500.7	251.9	1001.2	*	1164.4	*	482.3	256.2	964.4	*	1130.5	*	471.4	265	942.9	*	1114.6	*	
3ATLCS-150W	153.5	75.7	306.7	21.44	355.7	4.47	146.5	79.4	292.9	20.38	344.2	4.16	142.6	83.2	285.1	19.78	340	4.01	
3ATLCS-180W	192.5	94	384.7	27.45	445.7	5.80	184	98.2	367.9	26.17	431.5	5.36	178.7	103.3	357.2	25.32	425	5.12	
3ATLCS-210W	224.2	117.7	448.3	40.78	524.5	7.89	214.9	121.4	429.8	38.06	508.3	7.21	209.3	126.7	418.3	36.30	500.6	6.88	
3ATLCS-240W	262.3	133.9	524.5	42.66	611.2	9.19	251.2	139	502.4	39.80	591.8	8.32	244	143.8	487.9	37.95	581.2	7.84	
3ATLCS-270W	310.3	152.5	620.5	29.48	719.3	8.22	297.9	157.8	595.9	28.22	698	7.70	290.3	164.5	580.3	27.42	687	7.44	
3ATLCS-300W	346.3	181.6	692.5	40.70	810.2	10.45	331.2	185.3	662.5	37.84	782.5	9.77	322	191.8	643.9	36.06	768.5	9.42	
3ATLCS-330W	376.7	194.8	753.1	41.48	879.3	8.21	360.6	196	721.3	38.75	848.3	7.48	350.5	201.7	700.9	36.99	831.8	7.09	
3ATLCS-375W	429.2	223	858.1	*	1002	10.09	411.0	223.6	822.1	*	967	9.27	399.4	229.9	798.7	*	947.8	8.83	
3ATLCS-420W	488.8	265.3	977.5	*	1149.4	7.56	471.3	270.6	942.1	*	1117.5	6.80	460.9	280.9	921.7	*	1103.8	6.47	
4ATLCS-200W	204.6	100.9	408.9	33.44	474.2	4.46	195.3	105.6	390.5	30.80	459	4.16	190.1	110.9	380.1	29.31	451.9	4.01	
4ATLCS-240W	256.6	125.3	512.9	41.18	594.1	5.79	245.3	130.9	490.5	38.28	575.3	5.36	238.1	137.7	476.1	36.43	565.3	5.12	
4ATLCS-280W	298.9	156.9	597.7	39.40	699.4	5.91	286.5	161.7	572.9	36.64	677.7	5.41	278.9	168.9	557.7	34.95	667.1	5.16	
4ATLCS-320W	349.7	178.5	699.3	23.89	815	6.88	334.9	185	669.7	22.15	789	6.24	325.3	191.7	650.5	21.02	774.7	5.88	
4ATLCS-360W	413.7	203.3	827.3	29.78	959	6.16	397.3	211	794.5	28.52	930.6	5.78	386.9	219.3	773.7	27.72	915.8	5.56	
4ATLCS-400W	461.7	243	923.3	41.09	1080.2	7.83	441.7	246.9	883.3	38.24	1043.3	7.33	429.3	255.7	858.5	36.46	1024.2	7.07	
4ATLCS-440W	502.1	259.7	1004.1	41.98	1172.4	6.15	480.9	261.3	961.7	39.25	1131	5.61	467.3	268.9	934.5	37.50	1108.8	5.32	
4ATLCS-500W	572.1	297	1144.1	44.99	1337	7.56	548.1	299	1096.1	44.89	1289.3	6.95	532.5	306.5	1064.9	42.89	1263.5	6.61	
4ATLCS-560W	651.7	353.7	1303.3	44.60	1534	5.66	628.1	360.8	1256.1	41.98	1489.9	5.11	614.5	374.5	1228.9	40.47	1471.6	4.86	

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 46°F (cont.)

REFRIGERANT = R22	Model	Condenser Leaving Water Temperature											
		100°F						105°F					
		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
		MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	47.2	29.5	94.2	4.44	113.0	4.01	45.6	30.9	91.2	4.24	111.2	3.86	
1ATLCS-60W	59.2	36.5	118.2	6.16	141.5	5.13	57.3	38.4	114.6	5.92	139.5	4.93	
1ATLCS-70W	69.2	44.5	138.2	7.23	166.8	6.87	67.0	46.5	134.0	6.85	164.1	6.53	
1ATLCS-80W	80.5	50.4	160.7	9.55	193.2	7.77	77.8	52.6	155.6	9.09	189.7	7.31	
1ATLCS-90W	95.9	57.5	191.7	12.45	228.9	7.41	93.1	60.3	186.2	11.95	225.3	7.15	
1ATLCS-100W	106.3	66.9	212.5	12.27	255.7	9.39	103.0	69.4	206.0	11.70	251.0	9.04	
1ATLCS-110W	115.6	70.2	231.2	13.92	276.4	7.03	111.8	72.9	223.6	13.26	270.9	6.63	
1ATLCS-125W	131.7	79.9	263.4	18.66	315.0	8.74	127.4	83.1	254.8	17.77	308.7	8.30	
1ATLCS-140W	152.8	98	305.5	17.65	368.9	6.54	149.0	102	298.0	16.98	364.1	6.21	
1ATLCS-180W	202.3	120.6	404.5	*	482.5	*	196.80	125.3	393.6	*	474.8	*	
1ATLCS-210W	234.7	138.3	469.2	*	558.6	*	228.60	143.7	457.2	*	550.4	*	
2ATLCS-100W	94.2	58.7	188.1	10.11	226.1	4.02	91.3	61.9	182.5	9.63	222.6	3.87	
2ATLCS-120W	118.2	72.7	236.2	15.80	283.2	5.14	114.7	76.9	229.3	15.08	279.1	4.95	
2ATLCS-140W	138.2	88.9	276.3	15.02	333.7	6.88	134.1	94	268.2	14.28	328.4	6.54	
2ATLCS-160W	160.7	100.7	321.4	20.45	386.5	7.78	155.7	105.4	311.4	19.28	379.5	7.32	
2ATLCS-180W	191.7	116	383.3	27.34	457.9	7.42	186.3	120.7	372.6	26.51	450.7	7.16	
2ATLCS-200W	212.5	133.7	424.9	35.73	511.5	9.40	206.3	138.9	412.2	33.89	502.0	9.05	
2ATLCS-220W	231.1	140.3	462.2	36.63	553	7.04	223.9	145.9	447.4	34.72	541.7	6.64	
2ATLCS-250W	263.3	159.9	526.5	38.92	630.1	8.75	254.9	166.3	509.8	39.76	617.3	8.31	
2ATLCS-280W	305.5	195.9	610.9	39.87	737.8	6.55	298.2	205	596.2	38.22	728.2	6.22	
2ATLCS-360W	404.5	242	808.9	27.74	965.1	8.56	393.8	250.7	787.4	26.91	949.7	8.01	
2ATLCS-420W	469.2	276.5	938.1	*	1117.3	*	457.2	287.5	914.6	*	1100.7	*	
3ATLCS-150W	141.3	88	282.2	19.55	339.0	4.02	136.9	92.8	273.7	18.9	333.8	3.88	
3ATLCS-180W	177.3	109	354.2	25.09	424.7	5.14	172	115.3	343.9	24.32	418.5	4.95	
3ATLCS-210W	207.3	133.3	414.2	35.63	500.5	6.88	201.1	139.6	402.1	33.72	492.6	6.55	
3ATLCS-240W	242	151	481.9	37.18	579.7	7.78	233.5	157.9	466.9	35.25	569.3	7.32	
3ATLCS-270W	287.6	172.6	574.9	27.14	686.7	7.42	279.4	181	558.7	26.32	675.9	7.17	
3ATLCS-300W	318.8	200.5	637.3	35.43	767.2	9.40	309.1	208.3	618.1	33.59	753.2	9.04	
3ATLCS-330W	346.7	210.5	693.2	36.33	829.4	7.04	335.5	218.8	670.9	34.42	812.7	6.63	
3ATLCS-375W	395	239.8	789.7	*	945.2	8.75	382.3	249.4	764.5	*	926.1	8.30	
3ATLCS-420W	458.2	293.8	916.3	*	1106.7	6.55	447.1	306	894.0	*	1092.4	6.21	
4ATLCS-200W	188.2	117.4	376.1	28.74	452.2	4.03	182.5	123.8	364.9	27.14	445	3.87	
4ATLCS-240W	236.2	145.4	472.1	35.95	566.2	5.15	229.3	153.7	458.6	34.17	558.2	4.94	
4ATLCS-280W	276.2	177.8	552.1	34.35	667.2	5.17	268.1	187	536.2	32.55	656.8	4.91	
4ATLCS-320W	321.4	201.4	642.5	20.57	772.9	5.85	311.3	210.5	622.3	19.38	758.9	5.49	
4ATLCS-360W	383.4	231	766.5	27.46	915.7	5.58	372.5	241.3	744.9	26.61	901.3	5.38	
4ATLCS-400W	424.9	267.3	849.7	35.84	1022.9	7.07	412.2	277.8	824.2	33.99	1004.2	6.79	
4ATLCS-440W	462.1	280.5	924.1	36.84	1105.9	5.29	447.3	291.8	894.6	34.92	1083.5	4.98	
4ATLCS-500W	526.5	319.8	1052.9	39.13	1260.1	6.58	509.6	332.6	1019.4	39.96	1234.9	6.23	
4ATLCS-560W	610.9	391.7	1221.8	40.08	1475.5	4.93	596.0	409	1192.2	38.42	1456.7	4.67	

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 42°F

REFRIGERANT=R22	Model	Condensing Temperature														
		110°F				115°F				120°F						
		QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
		MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	41	32.3	81.9	3.58	51.4	39.7	34	79.2	3.39	50.8	38.4	35.7	76.7	3.22	49.9	
1ATLCS-60A	51.4	39.9	102.7	5.06	64.4	49.8	42	99.4	4.83	63.3	48.2	44.3	96.6	4.62	62.7	
1ATLCS-70A	59.9	48.2	119.8	5.52	75.6	57.9	50.6	115.8	5.12	74.2	55.5	53.3	111.0	4.69	72.9	
1ATLCS-80A	69.6	54.3	139.0	7.55	87.3	66.9	56.9	133.9	7.05	85.3	64.1	59.9	128.2	6.54	83.6	
1ATLCS-90A	83.8	62.5	167.6	10.19	103.9	80.9	65.6	161.9	9.67	102.2	77.9	69.2	155.9	9.12	100.4	
1ATLCS-100A	92.3	71.5	184.6	9.79	115.4	89.2	74.9	178.3	9.24	113.4	86.0	78.9	172.0	8.7	111.7	
1ATLCS-110A	99.8	74.7	199.6	11.14	124	96.2	78.6	192.2	10.48	121.5	92.2	84	184.5	9.80	119.2	
1ATLCS-125A	113.7	86	227.3	14.88	141.4	109.5	89.6	218.9	13.99	138.4	105.1	94.7	210.4	13.08	135.9	
1ATLCS-140A	134.7	104.6	269.4	14.39	168.5	130.5	109.4	260.9	13.64	165.9	125.7	114.7	251.5	12.78	162.9	
1ATLCS-180A	176.5	128.6	352.9	*	218.2	170.82	134.4	341.7	*	214.4	165.2	141	330.5	*	210.9	
1ATLCS-210A	205.5	147	410.7	*	253	199.12	153.7	398.3	*	248.9	192.8	161	385.7	*	245.1	
2ATLCS-100A	81.9	64.4	163.7	7.94	102.7	79.4	67.9	158.4	7.49	101.4	76.7	71.6	153.4	7.02	99.8	
2ATLCS-120A	102.7	79.9	205.3	12.56	128.7	99.4	84	198.8	11.88	126.7	96.6	88.6	192.8	11.24	125.2	
2ATLCS-140A	119.9	96.4	239.7	11.72	151.2	115.6	101.2	231.2	10.96	148.6	111.2	106.8	222.0	10.12	145.7	
2ATLCS-160A	139.2	108.6	278.1	15.38	174.2	133.8	113.8	267.6	14.16	170.8	128.4	119.8	256.4	12.84	167.2	
2ATLCS-180A	167.6	124.9	334.9	23.62	208	161.8	131.2	323.6	22.76	204.4	155.9	138.2	311.6	21.84	200.8	
2ATLCS-200A	184.6	142.9	368.9	27.70	230.8	178.2	149.8	356.4	25.92	226.9	172.2	157.8	344.0	24.15	223.1	
2ATLCS-220A	199.6	149.3	398.9	28.50	247.9	192.0	157.2	384.0	26.59	243.1	184.6	166	368.8	24.64	238.2	
2ATLCS-250A	227.4	171	454.4	29.65	282.4	218.8	179.2	437.6	30.49	277	210.4	189.2	420.4	28.28	271.6	
2ATLCS-280A	269.4	208.9	538.6	31.83	337	260.8	218.8	521.6	29.96	331.8	251.6	229.2	502.8	27.86	325.8	
2ATLCS-360A	352.9	256.9	705.8	24.03	436.3	341.6	268.8	683.2	23.16	428.8	330.6	281.8	660.8	22.23	421.8	
2ATLCS-420A	410.8	293.9	821.4	*	505.8	398.2	307.4	796.4	*	497.9	385.8	321.8	771.2	*	489.9	
3ATLCS-150A	122.8	96.4	245.6	16.74	154	118.9	101.8	237.8	16.14	151.9	115	107.3	229.9	15.54	149.9	
3ATLCS-180A	154	119.8	307.9	21.56	192.8	149.2	127	298.2	20.79	189.9	144.8	133	289.4	20.13	187.8	
3ATLCS-210A	179.8	144.4	359.6	27.50	226.6	173.6	151.9	346.8	25.59	222.8	166.7	159.9	333.2	23.65	218.5	
3ATLCS-240A	208.6	162.7	417.5	28.85	261.3	200.8	170.8	401.4	26.84	256.2	192.5	179.5	384.8	24.67	250.6	
3ATLCS-270A	251.3	187.3	502.2	23.42	311.9	242.8	196.9	485.4	22.56	306.7	233.7	207.4	467.6	21.64	300.9	
3ATLCS-300A	276.7	214.3	553.2	27.40	346.2	267.5	224.8	534.6	25.63	340.2	258.0	236.8	516.3	23.86	334.8	
3ATLCS-330A	299.2	223.9	598.2	28.20	371.7	288.3	235.9	576.0	26.28	364.5	276.6	249	553.3	24.34	357.5	
3ATLCS-375A	340.9	256	681.6	*	423.6	328.3	268.8	656.4	*	415.5	315.3	283.9	630.8	*	407.3	
3ATLCS-420A	403.9	313.3	807.6	*	505.5	391.3	328.4	782.4	*	497.8	377.1	343.9	754.4	*	488.5	
4ATLCS-200A	163.7	128.5	327.3	21.75	205.4	158.6	135.8	316.9	20.26	202.6	153.4	142.9	306.6	18.76	199.6	
4ATLCS-240A	205.3	159.8	410.5	27.99	257	198.9	169	397.8	26.35	253.5	192.9	177.4	385.8	24.80	250.3	
4ATLCS-280A	239.7	192.6	479.3	26.25	302.2	231.4	202.6	462.6	24.37	296.9	222.2	213.4	444.2	22.32	291.2	
4ATLCS-320A	278.1	216.9	556.1	15.47	348.5	267.8	227.8	535.4	14.26	341.6	256.6	239.4	512.9	12.94	334	
4ATLCS-360A	334.9	249.7	669.7	23.73	415.8	323.8	262.6	647.4	22.86	408.9	311.8	276.6	623.4	21.94	401.4	
4ATLCS-400A	368.9	285.7	737.8	27.80	461.5	356.5	299.8	712.9	26.02	453.7	344.2	315.8	688.2	24.26	446.4	
4ATLCS-440A	398.9	298.5	797.7	28.70	495.7	384.2	314.6	768.2	26.79	486	368.9	333	737.8	24.84	476.5	
4ATLCS-500A	454.5	341	908.9	29.85	564.8	437.8	358.6	875.4	30.69	553.9	420.6	378.5	840.8	28.48	543.2	
4ATLCS-560A	538.5	417.7	1076.9	32.02	673.9	521.8	437.6	1043.4	30.15	663.6	502.9	458.6	1005.6	28.06	651.6	

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

QC: Condenser Total Heat Rejection

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D.: Water Pressure Drop (Ft.W.G.)

W.F.D.: Water Flow Data

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 42°F (cont.)

REFRIGERANT=R22	Model	Condensing Temperature														
		125°F				130°F				135°F						
		QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
		MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	37.2	37.8	74.3	3.04	49.4	35.8	39.9	71.5	2.85	48.7	34.5	42.3	68.9	2.66	48.0	
1ATLCS-60A	46.6	46.9	93.1	4.38	61.8	45	49.5	89.8	4.14	60.9	43.4	52.5	86.6	3.93	60.2	
1ATLCS-70A	53.2	56.3	106.3	4.23	71.4	50.5	59.3	101.0	3.74	69.8	47.9	62.6	95.8	3.25	68.2	
1ATLCS-80A	61.3	62.9	122.5	5.98	81.7	58.1	66.2	116.2	5.43	79.6	55.0	69.8	110.0	4.83	77.6	
1ATLCS-90A	74.8	72.8	149.4	8.52	98.4	71.4	76.7	142.8	7.89	96.5	67.9	80.9	135.8	7.24	94.1	
1ATLCS-100A	82.8	83.3	165.5	8.10	109.8	79.3	88.1	158.7	7.50	107.9	75.9	93.6	151.8	6.90	106.2	
1ATLCS-110A	88.4	88	176.7	9.19	116.9	84.3	93.4	168.6	8.39	114.7	80.5	99.4	160.6	7.68	112.5	
1ATLCS-125A	100.8	100.3	201.6	12.16	133.3	96.1	106.4	192.2	11.19	130.7	91.7	113.3	183.3	10.23	128.2	
1ATLCS-140A	120.7	120.3	241.3	11.86	159.7	115.0	126.1	230.0	10.84	155.9	108.9	132.4	217.8	9.74	151.7	
1ATLCS-180A	159.4	147.9	318.7	*	207.3	153.40	155.2	306.8	*	203.9	147.5	164	294.7	*	200.1	
1ATLCS-210A	186.3	168.8	372.5	*	240.9	179.50	177.1	359.0	*	237	172.7	186	345.2	*	232.8	
2ATLCS-100A	74.4	75.5	148.4	6.60	98.7	71.5	79.8	142.8	6.13	97.4	68.9	84.3	137.7	5.65	96.2	
2ATLCS-120A	93.2	93.7	186.1	10.54	123.4	89.9	99	179.6	9.87	121.9	86.5	104.7	172.8	9.15	120.4	
2ATLCS-140A	106.3	112.5	212.4	9.26	142.7	101.1	118.7	202.0	8.34	139.4	95.9	125.3	191.6	7.39	136.5	
2ATLCS-160A	122.5	125.9	244.9	11.47	163.3	116.3	132.5	232.4	10.02	159.2	110.1	139.7	220.0	8.55	155.3	
2ATLCS-180A	149.5	145.5	298.9	20.84	196.6	142.9	153.5	285.6	19.84	192.6	135.9	161.9	271.6	18.75	188.4	
2ATLCS-200A	165.5	166.5	330.9	22.26	219.4	158.7	176.4	317.2	20.32	215.8	151.9	186.9	303.6	18.36	212.5	
2ATLCS-220A	176.7	177	353.3	22.63	233.7	168.7	186.9	337.2	20.58	229.2	160.7	198.5	321.2	18.52	225	
2ATLCS-250A	201.6	200.6	402.9	23.02	266.5	192.3	212.9	384.4	23.64	261.3	183.1	226.3	366.0	21.27	256.5	
2ATLCS-280A	241.4	240.6	482.5	25.59	319.2	230.1	252.3	460.0	23.09	311.8	217.7	264.5	435.2	20.34	303.5	
2ATLCS-360A	318.7	295.8	637.4	21.24	414.5	306.9	310.5	613.6	20.23	407.5	294.7	327	589.2	19.15	400.5	
2ATLCS-420A	372.6	337.5	744.9	*	481.9	359.1	354.2	718.0	*	473.9	345.1	371.8	690.0	*	465.6	
3ATLCS-150A	111.5	113.2	222.8	14.98	148.2	107.3	119.8	214.4	14.34	146	103.4	126.4	206.6	13.74	144.2	
3ATLCS-180A	139.6	140.5	279.2	19.32	185.2	134.8	148.7	269.6	18.58	182.9	129.7	157	259.4	17.80	180.6	
3ATLCS-210A	159.4	168.7	318.7	21.64	214	151.7	178	303.2	19.57	209.3	143.8	187.9	287.5	17.52	204.7	
3ATLCS-240A	183.7	188.8	367.4	22.44	244.9	174.4	198.8	348.7	20.04	238.8	165.1	209.5	330.1	17.65	232.9	
3ATLCS-270A	224.2	218.2	448.4	20.65	294.9	214.4	230.2	428.5	19.64	288.9	203.8	242.8	407.6	18.56	282.5	
3ATLCS-300A	248.2	249.7	496.4	21.96	329.2	238	264.5	475.9	20.02	323.7	227.8	280.4	455.6	18.06	318.6	
3ATLCS-330A	265	264	529.9	22.34	350.6	253	280.4	505.9	20.27	343.8	241	297.8	481.9	18.22	337.6	
3ATLCS-375A	302.3	300.7	604.4	*	399.7	288.4	319.4	576.7	*	391.9	274.6	339.4	549.2	*	384.7	
3ATLCS-420A	361.9	360.7	723.7	*	478.8	345.2	378.5	690.0	*	467.7	326.5	396.8	652.9	*	455.0	
4ATLCS-200A	148.6	150.9	296.9	17.38	197.4	142.9	159.7	285.7	15.78	194.6	137.8	168.6	275.4	14.29	192.4	
4ATLCS-240A	186.2	187.4	372.1	23.05	246.8	179.7	199	359.3	21.40	243.9	172.8	209.4	345.8	19.66	240.8	
4ATLCS-280A	212.6	224.9	424.9	20.19	285.4	202.2	237.3	404.2	17.88	279	191.6	250.6	383.2	15.55	272.8	
4ATLCS-320A	244.9	251.7	489.7	11.57	326.6	232.6	264.9	464.9	10.12	318.4	220.0	279.4	440.3	8.65	310.7	
4ATLCS-360A	298.9	290.9	597.7	20.94	393.3	285.7	306.9	571.3	19.94	385.2	271.6	323.6	543.4	18.86	376.7	
4ATLCS-400A	330.9	332.9	661.7	22.36	438.8	317.3	352.5	634.5	20.42	431.6	303.6	373.6	607.4	18.45	424.7	
4ATLCS-440A	353.4	353	706.5	22.83	467.5	337.4	373.7	674.4	20.78	458.3	321.2	396.8	642.6	18.72	449.9	
4ATLCS-500A	402.9	400.9	805.7	23.22	532.8	384.6	425.7	768.8	23.84	522.4	366.0	452.6	732.2	21.48	512.7	
4ATLCS-560A	482.4	480.9	964.9	25.79	638.4	460.3	504.4	920.0	23.30	623.5	435.2	528.9	870.5	20.55	606.7	

Note:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 44°F

REFRIGERANT=R22	Model	Condensing Temperature														
		110°F				115°F				120°F						
		QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
		MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	42.8	32.5	85.3	3.82	53.1	41.3	34.2	82.6	3.63	52.4	40.0	36.1	80.0	3.44	51.7	
1ATLCS-60A	53.5	40.3	106.9	5.36	66.5	51.8	42.4	103.6	5.13	65.5	50.2	44.8	100.4	4.90	64.7	
1ATLCS-70A	62.5	48.6	124.9	5.99	78.2	60.1	51	120.2	5.55	76.6	57.8	53.7	115.6	5.12	75.2	
1ATLCS-80A	72.4	54.8	144.7	8.06	90.2	69.6	57.4	139.2	7.55	88.2	66.8	60.3	133.6	7.03	86.3	
1ATLCS-90A	87.2	63	174.2	10.82	107.4	84.1	66.1	168.2	10.27	105.5	81.0	69.6	162.0	9.69	103.6	
1ATLCS-100A	96.2	72	192.0	10.47	119.4	92.7	75.4	185.4	9.87	117.1	89.5	79.2	179.0	9.31	115.2	
1ATLCS-110A	103.9	75.5	207.7	11.85	128.3	100.0	79.3	200.0	11.17	125.7	96.1	83.6	192.2	10.48	123.2	
1ATLCS-125A	118.4	86	236.7	15.86	146.2	113.9	90.3	227.8	14.93	143.2	109.5	95.3	219.0	14.00	140.4	
1ATLCS-140A	139.8	105.5	279.6	15.31	174	135.4	110.3	270.8	14.53	171.2	130.7	115.6	261.4	13.68	168.2	
1ATLCS-180A	183.7	129.6	367.3	*	225.7	178.00	135.5	356.0	*	221.9	172.1	142.1	344.2	*	218.2	
1ATLCS-210A	213.8	148.4	427.5	*	261.	207.40	155	414.8	*	257.6	200.8	162.3	401.6	*	253.4	
2ATLCS-100A	85.4	64.9	170.5	8.55	106.3	82.7	68.5	165.3	8.08	104.9	80.2	72.2	160.2	7.63	103.5	
2ATLCS-120A	106.9	80.5	213.7	13.44	133	103.7	84.9	207.3	12.77	131.2	100.5	89.6	200.9	12.09	129.5	
2ATLCS-140A	124.9	98	249.7	12.62	156.3	120.3	103	240.5	11.79	153.4	115.7	107.4	231.3	10.96	150.5	
2ATLCS-160A	144.7	109.5	289.3	16.69	180.2	139.3	114.9	278.5	15.42	176.5	133.7	120.6	267.3	14.19	172.8	
2ATLCS-180A	174.1	125.9	348.2	24.63	214.9	168.3	132.3	336.5	23.74	211.2	162.2	139.2	324.1	22.78	207.2	
2ATLCS-200A	192.1	143.9	384.2	29.88	238.7	185.4	150.9	370.9	27.99	234.5	179.2	158.4	358.1	26.15	230.4	
2ATLCS-220A	207.7	150.9	415.4	30.61	256.6	200.0	158.7	400.1	28.65	251.5	192.4	167.2	384.5	26.64	246.5	
2ATLCS-250A	236.7	171.9	473.4	32.07	292.4	227.8	180.7	455.7	32.81	286.4	219.2	190.6	438.1	30.54	280.9	
2ATLCS-280A	279.5	210.9	558.9	34.08	347.8	270.8	220.7	541.6	32.17	342.4	261.5	231.2	522.9	30.08	336.4	
2ATLCS-360A	367.3	260	734.5	25.03	451.3	356.0	272	712.0	24.13	443.8	344.4	284.2	688.4	23.18	436.4	
2ATLCS-420A	427.5	296.7	854.9	*	523.6	414.8	310	829.6	*	515.3	401.6	324.6	803.2	*	506.8	
3ATLCS-150A	127.9	97.4	255.7	17.52	159.4	124	102.7	247.9	16.92	157.3	120.2	108.5	240.0	16.31	155.1	
3ATLCS-180A	160.3	120.7	320.4	22.52	199.4	155.5	127.4	310.9	21.77	196.7	150.8	134.5	301.2	21.02	194.2	
3ATLCS-210A	187.3	145.6	374.5	29.62	234.5	180.4	154	360.7	27.65	230	173.6	161.1	346.8	25.63	225.6	
3ATLCS-240A	217	164.2	433.9	30.99	270.2	208.9	172.4	417.7	28.92	264.8	200.6	180.9	400.8	26.74	259.0	
3ATLCS-270A	261.2	188.8	522.2	24.44	322.3	252.5	198.4	504.7	23.54	316.8	243.2	208.8	486.0	22.57	310.7	
3ATLCS-300A	288.2	215.8	576.2	29.58	357.9	278.1	226.3	556.3	27.69	351.6	268.7	237.6	537.0	25.84	345.5	
3ATLCS-330A	311.5	226.3	622.9	30.32	384.8	300.0	238	600.1	28.35	377.3	288.5	250.8	576.6	26.33	369.6	
3ATLCS-375A	355	257.8	709.9	*	438.5	341.7	271	683.5	*	429.5	328.7	285.9	657.0	*	421.2	
3ATLCS-420A	419.2	316.3	838.2	*	521.7	406.2	330.9	812.5	*	513.5	392.2	346.8	784.2	*	504.5	
4ATLCS-200A	170.6	129.8	340.9	23.69	212.6	165.4	136.9	330.5	22.21	209.7	160.2	144.6	320.2	20.72	206.8	
4ATLCS-240A	213.8	160.9	427.4	30.15	265.8	207.4	169.8	414.6	28.50	262.2	200.9	179.4	401.8	26.87	258.9	
4ATLCS-280A	249.8	195	499.4	28.46	312.6	240.6	205	480.9	26.41	306.5	231.2	214.9	462.5	24.38	300.8	
4ATLCS-320A	289.4	218.9	578.6	16.79	360.2	278.6	229.7	556.9	15.52	352.9	267.4	241.4	534.4	14.19	345.4	
4ATLCS-360A	348.2	251.7	696.2	24.72	429.8	336.6	264.6	672.9	23.84	422.2	324.0	278.4	648.0	22.87	414.2	
4ATLCS-400A	384.2	287.7	768.2	29.99	477.4	370.9	301.8	741.7	28.09	468.8	358.0	316.8	716.0	26.24	460.7	
4ATLCS-440A	415.4	301.7	830.6	30.82	513.2	400.2	317.4	800.2	28.85	502.9	384.4	334.4	768.8	26.83	492.8	
4ATLCS-500A	473.4	343.7	946.6	32.28	584.8	455.8	361.4	911.4	33.02	572.9	438.0	381.2	876.0	30.73	561.6	
4ATLCS-560A	558.9	421.7	1117.6	34.29	695.7	541.8	441.4	1083.4	32.36	684.8	522.8	462.4	1045.6	30.27	672.7	

NOTE:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 44°F (cont.)

REFRIGERANT=R22	Model	Condensing Temperature														
		125°F				130°F				135°F						
		QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
		MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	38.7	38.3	77.4	3.25	51	37.5	40.4	74.7	3.06	50.5	35.9	42.8	71.9	2.87	49.7	
1ATLCS-60A	48.7	47.4	97.2	4.67	63.9	46.9	50	93.8	4.42	63.2	45.2	52.8	90.2	4.17	62.2	
1ATLCS-70A	55.5	56.7	110.6	4.64	73.8	52.8	59.7	105.5	4.16	72.2	50.2	63	100.0	3.64	70.4	
1ATLCS-80A	63.9	63.4	127.6	6.47	84.4	60.8	66.7	121.4	5.89	82.3	57.4	70.2	114.8	5.28	80.3	
1ATLCS-90A	77.9	73.3	155.7	9.09	101.8	74.5	77.4	148.9	8.45	99.4	70.8	81.4	141.6	7.79	97.3	
1ATLCS-100A	86.3	83.7	172.2	8.70	113.4	82.8	88.4	165.5	8.10	111.4	79.1	93.7	158.2	7.47	109.5	
1ATLCS-110A	92.2	88.7	184.0	9.75	120.8	88	93.9	175.9	9.02	118.4	83.8	99.7	167.6	8.32	116.3	
1ATLCS-125A	105	100.9	209.9	13.03	137.7	100.4	108	200.5	12.05	135	95.6	113.7	191.0	11.06	132.4	
1ATLCS-140A	125.7	121.2	251.4	12.76	165	119.9	128	239.9	11.74	161.2	113.8	133.4	227.4	10.62	156.9	
1ATLCS-180A	166.2	149.2	332.4	*	214.6	160.02	156.7	320.2	*	210.8	153.8	164.5	307.4	*	207.2	
1ATLCS-210A	194.3	170.2	388.4	*	249.4	187.12	178.6	374.4	*	244.9	180.2	187.5	360.0	*	240.8	
2ATLCS-100A	77.4	76.4	154.4	7.14	102	74.8	80.8	149.4	6.69	101	71.9	85.4	143.6	6.17	99.4	
2ATLCS-120A	97.2	94.8	194.2	11.38	127.8	93.8	102	187.5	10.67	126.4	90.5	105.8	180.4	9.94	124.4	
2ATLCS-140A	110.8	113.4	221.4	10.06	147.4	105.6	119.7	210.9	9.13	144.4	100.3	128	200.2	8.14	140.9	
2ATLCS-160A	127.8	126.9	255.4	12.69	168.8	121.6	133.7	242.9	11.24	164.8	114.9	140.5	229.8	9.68	160.4	
2ATLCS-180A	155.8	146.8	311.4	21.80	203.2	149	154.7	297.8	20.76	199	141.7	162.9	283.4	19.64	194.5	
2ATLCS-200A	172.4	168	344.4	24.19	226.4	165.6	176.9	330.9	22.27	222.9	158.4	187.2	316.5	20.19	219	
2ATLCS-220A	184.2	178	368.2	24.54	241.5	176	188	351.8	22.43	236.9	167.7	199.4	335.4	20.32	232.4	
2ATLCS-250A	209.9	201.9	419.7	25.17	275.4	200.6	216	400.9	25.76	269.9	191.1	227.2	382.4	23.33	264.7	
2ATLCS-280A	251.4	242.4	502.6	27.82	329.8	239.9	256	479.8	25.29	322.4	227.5	266.4	454.8	22.51	313.9	
2ATLCS-360A	332.4	298.4	664.6	22.20	428.9	320.2	315	640.2	21.16	421.8	307.5	328.7	614.9	20.05	414	
2ATLCS-420A	388.4	340.4	776.6	*	498.5	374.4	356.9	748.5	*	489.9	360.0	374.7	720.1	*	481.5	
3ATLCS-150A	115.9	114.4	231.8	15.68	152.9	112	121	223.9	15.08	151.3	107.8	127.9	215.6	14.44	149.4	
3ATLCS-180A	145.7	142	291.2	20.25	191.7	140.7	151	280.9	19.47	189.2	135.6	158.6	270.8	18.68	186.9	
3ATLCS-210A	166	169.9	331.9	23.54	221	158.3	179.3	316.4	21.43	216.2	150.2	190	301.0	19.33	211.4	
3ATLCS-240A	191.6	190.4	382.9	24.44	253.5	182.3	200.3	364.4	22.06	247.2	172.2	210.8	344.7	19.49	240.7	
3ATLCS-270A	233.5	220	467	21.61	304.8	223.3	231.7	446.6	20.57	298.6	212.4	244.5	424.9	19.44	291.8	
3ATLCS-300A	258.4	250.7	517	23.90	339.7	248.3	265	496.4	21.98	334.3	237.3	280.9	475	19.89	328.5	
3ATLCS-330A	276.2	265.7	552.2	24.23	362.3	263.9	281.8	527.7	22.12	355.2	251.4	299.5	503	20.11	348.4	
3ATLCS-375A	314.9	302.9	629.6	*	412.9	300.7	322	601.4	*	404.8	286.5	340.8	573.0	*	397.3	
3ATLCS-420A	376.9	363.5	753.8	*	494.8	359.9	381	719.7	*	483.4	341.1	399.6	682.2	*	470.9	
4ATLCS-200A	154.5	152.6	308.9	19.09	203.9	149.2	161.2	298.4	17.60	201.5	143.7	170.6	287.4	16.02	198.9	
4ATLCS-240A	194.2	189.4	388.1	25.10	255.4	187.2	200	374.4	23.34	252.0	180.5	211.4	360.9	21.60	249	
4ATLCS-280A	221.4	226.6	442.5	22.13	294.7	210.8	238.8	421.6	19.82	288.2	200.2	254	400.2	17.44	281.8	
4ATLCS-320A	255.4	253.8	510.5	12.78	337.5	242.8	266.8	485.6	11.32	329.3	229.7	281	459.4	9.78	320.7	
4ATLCS-360A	311.4	293.4	622.5	21.89	406.4	297.6	308.8	595.2	20.84	397.7	283.4	325.7	566.6	19.74	388.8	
4ATLCS-400A	344.6	335	688.9	24.29	452.8	330.8	353.2	661.6	22.35	445.3	316.5	374.5	632.9	20.29	437.9	
4ATLCS-440A	368.2	355	736.2	24.72	482.8	351.6	375.6	703.2	22.61	473.3	335.4	398.9	670.6	20.51	464.6	
4ATLCS-500A	419.8	403.8	839.2	25.36	550.5	400.8	428	801.6	25.94	539.5	382.1	454.6	764.2	23.54	529.4	
4ATLCS-560A	502.6	484.5	1004.8	28.00	659.5	479.6	508	959.2	25.47	644.3	454.9	533	909.8	22.72	627.6	

Note:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 45°F

REFRIGERANT=R22	Model	Condensing Temperature														
		110°F				115°F				120°F						
		QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
		MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	43.5	32.7	86.9	3.94	54	42.1	34.4	84.3	3.75	53.4	40.8	36.3	81.6	3.57	52.6	
1ATLCS-60A	54.5	40.6	108.9	5.52	67.6	52.8	42.6	105.7	5.27	66.6	51.2	45	102.4	5.05	65.9	
1ATLCS-70A	63.7	48.8	127.3	6.22	79.5	61.3	51.2	122.7	5.78	77.9	59.0	53.9	118.0	5.35	76.6	
1ATLCS-80A	73.8	55	147.5	8.34	91.5	71.0	57.6	142.1	7.82	89.7	68.1	60.6	136.3	7.28	87.8	
1ATLCS-90A	88.7	63.2	177.3	11.12	109.1	85.7	66.5	171.5	10.57	107.2	82.6	69.8	165.3	9.99	105.3	
1ATLCS-100A	97.9	72.3	195.7	10.79	121.2	94.6	75.7	189.3	10.22	119.1	91.3	79.4	182.7	9.64	117.0	
1ATLCS-110A	106	75.9	211.9	12.22	130.5	102.0	79.7	204.2	11.53	127.8	98.0	84	196.1	10.82	125.3	
1ATLCS-125A	120.8	86.5	241.5	16.37	148.7	116.3	90.9	232.7	15.44	145.7	111.1	95.7	222.3	14.35	142.2	
1ATLCS-140A	142.4	106	284.7	15.77	176.6	138.0	110.9	276.1	15.01	173.9	133.3	116	266.7	14.16	171	
1ATLCS-180A	187.6	130.2	374.8	*	229.6	181.60	136.2	363.3	*	225.7	175.7	142.6	351.5	*	221.9	
1ATLCS-210A	218.2	150	436.2	*	266.3	211.60	155.8	423.3	*	262.1	204.9	162.9	409.9	*	257.7	
2ATLCS-100A	86.9	66	173.7	8.84	108	84.4	68.9	168.4	8.38	106.6	81.7	72.7	163.3	7.92	105.2	
2ATLCS-120A	108.9	80.9	217.7	13.86	135.2	105.8	85.3	211.3	13.19	133.4	102.5	91	204.9	12.52	131.7	
2ATLCS-140A	127.3	97.5	254.5	13.06	158.9	122.8	102.5	245.3	12.22	155.9	118.1	107.9	236.1	11.39	153	
2ATLCS-160A	147.5	109.9	294.9	17.35	183.1	142.2	115.3	284.3	16.08	179.4	136.3	121.3	272.5	14.72	175.7	
2ATLCS-180A	177.3	126.3	354.5	25.12	218.2	171.6	132.9	342.9	24.23	214.5	165.3	139.7	330.5	23.28	210.5	
2ATLCS-200A	195.7	144.5	391.3	30.92	242.5	189.4	151.4	378.5	29.08	238.4	182.7	158.9	365.3	27.19	234.2	
2ATLCS-220A	211.9	151.7	423.7	31.69	261	204.2	159.3	408.2	29.68	255.7	196.1	169	392.0	27.62	250.7	
2ATLCS-250A	241.5	172.9	482.9	33.32	297.5	232.8	181.7	465.4	34.04	291.6	222.3	191.5	444.4	31.36	284.4	
2ATLCS-280A	284.7	211.9	569.3	35.24	353.4	276.2	221.7	552.2	33.34	347.9	266.7	233	533.2	31.24	341.9	
2ATLCS-360A	374.9	260.3	749.7	25.52	459.2	363.4	272.3	726.5	24.62	451.5	351.5	285.3	702.8	23.67	443.9	
2ATLCS-420A	436.0	299	872.2	*	532.7	423.4	311.5	846.5	*	524.1	409.9	325.9	819.6	*	515.5	
3ATLCS-150A	130.4	97.6	260.5	17.89	161.9	126.4	103.4	252.8	17.29	159.9	122.6	109	244.9	16.69	157.9	
3ATLCS-180A	163.4	121.4	326.5	22.97	202.6	158.5	127.9	316.9	22.24	199.9	153.7	136	307.4	21.49	197.5	
3ATLCS-210A	190.9	146.2	381.8	30.69	238.3	184	153.7	367.9	28.68	233.8	177.2	161.8	354.2	26.63	229.5	
3ATLCS-240A	221.2	164.8	442.4	32.08	274.6	213.2	172.9	426.2	29.99	269.3	204.5	181.9	408.8	27.77	263.4	
3ATLCS-270A	265.9	189.4	531.7	24.92	327.3	257.3	199.3	514.3	24.02	321.8	247.9	209.5	495.8	23.09	315.8	
3ATLCS-300A	293.5	216.7	586.9	30.60	363.7	283.9	226.9	567.7	28.77	357.4	274	238.3	547.8	26.88	351.3	
3ATLCS-330A	317.8	227.5	635.5	31.39	391.5	306.2	238.9	612.2	29.37	383.5	294.2	253	588.0	27.31	375.7	
3ATLCS-375A	362.2	259.4	724.3	*	446.2	349	272.5	697.9	*	437.3	333.4	287.2	666.6	*	426.4	
3ATLCS-420A	426.9	317.8	853.9	*	529.9	414.2	332.5	828.2	*	521.8	399.9	349	799.8	*	512.7	
4ATLCS-200A	173.8	131	347.3	24.62	215.8	168.5	137.8	336.9	23.13	213.2	163.4	145.4	326.6	21.64	210.4	
4ATLCS-240A	217.8	161.7	435.3	31.19	270.2	211.3	170.5	422.5	29.53	266.6	204.9	181	409.8	27.89	263.2	
4ATLCS-280A	254.5	194.9	508.9	29.54	317.7	245.4	204.9	490.5	27.48	311.7	236.2	215.8	472.2	25.44	306	
4ATLCS-320A	294.9	219.7	589.7	17.46	366.2	284.2	230.5	568.2	16.17	358.8	272.6	242.5	544.9	14.82	351.2	
4ATLCS-360A	354.4	252.5	708.9	25.23	436.4	342.9	265.7	685.7	24.32	429	330.6	279.4	660.9	23.38	421	
4ATLCS-400A	391.4	288.9	782.5	31.02	484.9	378.5	302.5	756.9	29.17	476.5	365.4	317.6	730.5	27.29	468.3	
4ATLCS-440A	423.8	303.4	847.4	31.89	522	408.2	318.5	816.2	29.87	511.4	392.0	336	784.2	27.82	501	
4ATLCS-500A	482.9	345.8	965.8	33.52	594.9	465.4	363.3	930.6	34.23	583	444.4	382.8	888.9	31.56	568.7	
4ATLCS-560A	569.4	423.8	1138.6	35.43	706.6	552.4	443.3	1104.2	33.52	695.9	533.2	464	1066.4	31.43	683.7	

Note:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

QC: Condenser Total Heat Rejection

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D.: Water Pressure Drop (Ft.W.G.)

W.F.D : Water Flow Data

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 45°F (cont.)

REFRIGERANT=R22	Model	Condensing Temperature														
		125°F				130°F				135°F						
		QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
		MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	39.5	38.6	78.9	3.36	51.9	38.2	40.5	76.3	3.18	51.3	36.7	42.9	73.2	2.95	50.5	
1ATLCS-60A	49.6	47.7	99.2	4.83	65	47.9	50.4	95.7	4.57	64.2	46.1	53.2	92.0	4.30	63.3	
1ATLCS-70A	56.6	56.9	113.2	4.87	75	53.9	59.9	107.9	4.38	73.4	51.3	63.2	102.2	3.85	71.6	
1ATLCS-80A	65.2	63.8	130.2	6.72	85.8	62	67	123.8	6.12	83.7	58.8	70.4	117.2	5.50	81.5	
1ATLCS-90A	79.4	73.7	158.8	9.37	103.3	76	77.6	151.8	8.74	101.1	72.5	81.7	144.6	8.06	98.9	
1ATLCS-100A	87.8	83.8	175.9	9.02	115.2	84.8	88.5	168.9	8.40	113.2	81	93.7	161.6	7.76	111.3	
1ATLCS-110A	94	88.9	187.9	10.09	122.8	89.9	94.3	179.7	9.36	120.4	85.6	100	171.0	8.60	117.9	
1ATLCS-125A	107.2	101.3	214.4	13.50	140	102.4	107.4	204.7	12.49	137.2	97.6	113.9	195.0	11.47	134.6	
1ATLCS-140A	128.2	121.7	256.4	13.23	167.7	122.5	127.6	244.9	12.19	163.8	116.2	133.7	232.2	11.04	159.6	
1ATLCS-180A	169.7	149.8	339.4	*	218.2	163.42	157.3	326.9	*	214.5	157.0	165	314.0	*	210.6	
1ATLCS-210A	198.2	170.9	396.4	*	253.6	191.10	179.2	382.3	*	249.3	183.9	188.1	367.6	*	244.9	
2ATLCS-100A	78.9	76.9	157.7	7.41	103.8	76.2	82	152.5	6.95	102.6	73.2	85.6	146.4	6.43	101	
2ATLCS-120A	99.1	95.3	198.1	11.80	129.9	95.6	100.7	191.4	11.08	128.4	92.1	106.4	184.1	10.32	126.5	
2ATLCS-140A	113.1	113.7	226.1	10.49	149.9	107.8	119.9	215.7	9.56	146.7	102.3	126.5	204.5	8.54	143.4	
2ATLCS-160A	130.3	127.5	260.5	13.30	171.6	123.8	135	247.7	11.79	167.3	117.3	140.9	234.5	10.24	162.9	
2ATLCS-180A	158.7	147.3	317.3	22.26	206.4	151.8	156	303.7	21.22	202.2	144.7	163.4	289.3	20.12	197.7	
2ATLCS-200A	175.9	167.5	351.7	25.24	230.2	168.8	176.9	337.7	23.24	226.2	161.7	187.5	323.3	21.18	222.4	
2ATLCS-220A	187.9	177.7	375.7	25.51	245.5	179.6	188.5	359.4	23.39	240.8	171.2	201	342.1	21.17	235.9	
2ATLCS-250A	214.3	202.5	428.5	26.31	279.9	204.6	214.7	409.5	26.84	274.3	195.2	227.9	390.1	24.35	268.8	
2ATLCS-280A	256.3	243.3	512.5	28.93	335.1	244.8	256	489.7	26.38	327.6	232.3	267.5	464.5	23.58	318.9	
2ATLCS-360A	339.3	299.5	678.5	22.66	436.3	326.8	314.5	653.8	21.60	428.8	314.2	331	628.2	20.50	421.2	
2ATLCS-420A	396.3	341.7	792.5	*	506.9	382.2	358.2	764.4	*	498.3	367.6	376.2	735.2	*	489.6	
3ATLCS-150A	118.4	115.4	236.5	16.04	155.6	114.4	121.6	228.6	15.44	153.8	109.9	128.5	219.8	14.75	151.6	
3ATLCS-180A	148.6	142.9	297.2	20.72	194.9	143.5	151	286.9	19.92	192.4	138.2	159.4	276.1	19.09	189.7	
3ATLCS-210A	169.6	170.4	339.2	24.52	224.8	161.8	179.8	323.5	22.40	219.9	153.5	189.7	306.7	20.18	214.9	
3ATLCS-240A	195.4	191.2	390.8	25.45	257.2	185.8	202	371.5	22.97	251.9	175.9	211.3	351.7	20.42	244.5	
3ATLCS-270A	238	220.9	475.9	22.06	309.6	227.8	232.7	455.5	21.02	303.2	217	245.2	433.9	19.92	296.5	
3ATLCS-300A	263.8	251.2	527.5	24.94	345.2	253.4	265.4	506.5	22.94	339.3	242.6	281.2	484.9	20.87	333.6	
3ATLCS-330A	281.8	266.5	563.5	25.22	368.2	269.5	282.7	538.9	23.1	361.2	256.6	301	513.2	20.88	353.7	
3ATLCS-375A	321.4	303.7	642.8	*	419.8	307	322	613.9	*	411.3	292.6	341.8	585.2	*	403.3	
3ATLCS-420A	384.4	364.9	768.8	*	502.6	367.4	382.7	734.6	*	491.3	348.4	401.2	696.7	*	478.4	
4ATLCS-200A	157.8	153.7	315.2	20.02	207.5	152.5	163	304.9	18.53	205	146.5	171.3	292.9	16.82	202	
4ATLCS-240A	198.2	190.5	396.0	26.15	259.8	191.4	201.3	382.5	24.38	256.5	184.2	212.5	368.2	22.54	253	
4ATLCS-280A	226.2	227.3	452.0	23.22	299.7	215.7	239.7	431.3	20.90	293.5	204.5	252.9	408.8	18.43	286.4	
4ATLCS-320A	260.6	254.9	520.8	13.40	343.2	247.7	268	495.3	11.89	334.6	234.5	281.7	468.8	10.33	325.9	
4ATLCS-360A	317.4	294.5	634.4	22.36	412.7	303.7	312	607.3	21.31	404.2	289.3	326.9	578.4	20.20	395.2	
4ATLCS-400A	351.7	334.9	703.2	25.34	460.2	337.7	353.7	675.3	23.33	452.3	323.3	374.9	646.4	21.26	444.8	
4ATLCS-440A	375.7	355.4	751.2	25.72	490.8	359.4	376.9	718.4	23.60	481.4	342.2	401	684.0	21.37	471.8	
4ATLCS-500A	428.5	404.9	856.8	26.52	559.7	409.4	429.3	818.4	27.04	548.4	390.2	455.6	780.0	24.55	537.8	
4ATLCS-560A	512.5	486.5	1024.8	29.13	670.3	489.6	510	979.2	26.59	654.9	464.5	534.8	928.8	23.78	637.9	

Note:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

QC: Condenser Total Heat Rejection

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D.: Water Pressure Drop (Ft.W.G.)

W.F.D : Water Flow Data

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 46°F

REFRIGERANT=R22	Model	Condensing Temperature														
		110°F				115°F				120°F						
		QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
		MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	44.4	32.9	88.7	4.07	55	43	34.7	85.9	3.88	54.3	41.7	36.6	83.4	3.67	53.4	
1ATLCS-60A	55.7	40.6	111.3	5.68	68.8	54	42.8	107.9	5.43	67.9	52.3	45.3	104.4	5.19	67	
1ATLCS-70A	64.9	49	129.7	6.45	80.8	62.7	51.4	125.2	6.02	79.4	60.3	54.2	120.4	5.57	77.9	
1ATLCS-80A	75.2	55.4	150.4	8.58	93.1	72.5	57.9	144.8	8.09	91.3	69.6	60.8	139.0	7.54	89.3	
1ATLCS-90A	90.4	63.5	180.7	11.42	111	87.4	66.6	174.6	10.87	109	84.3	70.1	168.5	10.29	107	
1ATLCS-100A	99.9	72.5	199.7	11.13	123.4	96.6	75.8	193.0	10.56	121.2	93.2	79.6	186.4	9.97	119	
1ATLCS-110A	108.2	76.4	216.1	12.59	132.8	104.2	80	208.0	11.88	130	100.1	84.3	200.2	11.18	127.5	
1ATLCS-125A	123.4	86.9	246.3	16.86	151.3	118.6	91.2	237.2	15.93	148.3	114.1	96.1	228.2	14.96	145.3	
1ATLCS-140A	146	106.6	289.9	16.24	179.5	140.8	111.4	281.4	15.47	176.8	136	116.5	271.9	14.63	173.8	
1ATLCS-180A	189.6	129.6	378.5	*	231.3	183.62	135.7	367.4	*	227.7	177.7	142.3	355.3	*	223.8	
1ATLCS-210A	222.6	149.8	444.7	*	270.9	215.80	156.4	431.7	*	266.6	209.2	163.6	418.2	*	262.3	
2ATLCS-100A	88.6	65.4	177.2	9.15	109.8	85.8	69	171.6	8.65	108.2	83.2	73	166.4	8.19	106.9	
2ATLCS-120A	111.2	81	222.4	14.36	137.5	107.8	85.6	215.6	13.64	135.5	104.4	90.6	208.8	12.93	133.8	
2ATLCS-140A	129.6	97.8	259.2	13.48	161.3	125.2	102.8	250.4	12.68	158.5	120.4	108.4	240.8	11.82	155.5	
2ATLCS-160A	150.2	110.4	300.4	18.00	186.0	144.8	115.8	289.6	16.73	182.3	139.0	121.6	278.0	15.36	178.4	
2ATLCS-180A	180.6	126.8	361.2	25.64	221.7	174.6	133.2	349.2	24.71	217.8	168.4	140.2	336.8	23.76	213.8	
2ATLCS-200A	199.6	144.8	399.2	32.05	246.5	193.0	151.6	386.0	30.16	242.1	186.2	159.2	372.4	28.21	237.8	
2ATLCS-220A	216.0	152.4	432.0	32.76	265.4	208.0	160	416.0	30.70	259.9	200.0	168.6	400.0	28.64	254.6	
2ATLCS-250A	246.2	173.6	492.4	34.53	302.5	237.2	182.4	474.4	35.22	296.3	228.0	192.2	456.0	32.85	290.3	
2ATLCS-280A	289.8	213	579.6	36.39	358.8	281.2	222.6	562.4	34.47	353.4	271.8	233	543.6	32.38	347.3	
2ATLCS-360A	378.4	259	756.8	26.04	462.4	367.2	271.2	734.4	25.11	455.1	355.2	284.6	710.4	24.16	447.5	
2ATLCS-420A	444.6	299.4	889.2	*	541.6	431.6	312.8	863.2	*	533.0	418.2	327.2	836.4	*	524.3	
3ATLCS-150A	132.9	98.1	265.8	18.29	164.7	128.7	103.5	257.4	17.65	162.2	124.8	109.5	249.6	17.05	160.3	
3ATLCS-180A	166.8	121.5	333.6	23.51	206.2	161.7	128.4	323.4	22.73	203.3	156.6	135.9	313.2	21.94	200.7	
3ATLCS-210A	194.4	146.7	388.8	31.76	242.0	187.8	154.2	375.6	29.70	237.8	180.6	162.6	361.2	27.64	233.3	
3ATLCS-240A	225.3	165.6	450.6	33.15	279.0	217.2	173.7	434.4	31.07	273.5	208.5	182.4	417.0	28.83	267.6	
3ATLCS-270A	270.9	190.2	541.8	25.44	332.6	261.9	199.8	523.8	24.51	326.7	252.6	210.3	505.2	23.56	320.8	
3ATLCS-300A	299.4	217.2	598.8	31.75	369.8	289.5	227.4	579.0	29.86	363.2	279.3	238.8	558.6	27.91	356.7	
3ATLCS-330A	324.0	228.6	648.0	32.46	398.1	312.0	240	624.0	30.40	389.8	300.0	252.9	600.0	28.34	382.0	
3ATLCS-375A	369.3	260.4	738.6	*	453.7	355.8	273.6	711.6	*	444.5	342.0	288.3	684.0	*	435.4	
3ATLCS-420A	434.7	319.5	869.4	*	538.3	421.8	333.9	843.6	*	530.0	407.7	349.5	815.4	*	521.0	
4ATLCS-200A	177.4	130.9	354.7	25.65	219.8	171.8	139	343.4	24.04	216.4	166.5	147	332.9	22.54	213.9	
4ATLCS-240A	222.5	163	445	32.42	275	215.8	171.3	431.2	30.66	271.3	208.9	181.5	417.7	28.92	267.6	
4ATLCS-280A	259.3	195.7	518.7	30.59	322.7	250.6	205.7	500.8	28.63	317.2	240.9	216.9	481.7	26.50	311.3	
4ATLCS-320A	300.5	220.9	601	18.12	372.2	289.8	231.7	579.2	16.85	364.9	278.2	243.4	556.2	15.47	356.9	
4ATLCS-360A	361.4	253.7	722.7	25.75	443.6	349.4	266.5	698.4	24.83	435.8	336.9	280.5	673.7	23.87	427.9	
4ATLCS-400A	399.4	289.7	798.7	32.16	493.3	386.2	303.3	772.0	30.28	484.5	372.5	318.5	744.9	28.32	475.7	
4ATLCS-440A	432.2	304.9	864.3	32.97	530.9	416.2	321	832.0	30.90	519.9	400.2	337.4	800.0	28.85	509.3	
4ATLCS-500A	492.6	347.3	985	34.74	605	474.6	364.9	948.8	35.42	592.8	456.2	384.4	912.0	33.06	580.6	
4ATLCS-560A	579.8	427	1159.2	36.59	717.8	562.4	445.2	1124.8	34.67	706.7	543.7	466	1087.2	32.59	694.6	

Note:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 46°F (cont.)

REFRIGERANT=R22	Model	Condensing Temperature														
		125°F				130°F				135°F						
		QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
		MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	41.7	36.6	83.4	3.68	53.5	39	40.9	77.9	3.29	52.1	37.5	44	74.8	3.08	51.4	
1ATLCS-60A	52.4	45.5	104.5	5.20	67	48.9	50.7	97.7	4.71	65.3	47.2	53.5	94.0	4.45	64.3	
1ATLCS-70A	60.4	54.3	120.4	5.58	77.9	55.1	60.4	110.0	4.59	74.6	52.3	63.4	104.4	4.06	72.9	
1ATLCS-80A	69.6	60.9	139.0	7.55	89.3	63.4	67.4	126.7	6.38	85.2	59.9	70.7	119.9	5.74	82.9	
1ATLCS-90A	84.3	70.2	168.5	10.29	106.9	77.6	77.9	155.1	9.03	102.8	73.9	81.9	147.8	8.34	100.4	
1ATLCS-100A	93.2	79.7	186.3	9.96	118.9	86.2	88.5	172.3	8.71	114.9	82.6	93.8	165.2	8.07	112.9	
1ATLCS-110A	100.1	84.4	200.2	11.18	127.5	91.6	94.5	183.3	9.69	122.3	87.4	100.2	174.8	8.92	119.9	
1ATLCS-125A	114.1	96.2	228.2	14.96	145.4	104.6	107.7	209.1	12.96	139.5	99.6	114.4	199.2	11.89	136.6	
1ATLCS-140A	136	116.6	271.9	14.63	173.8	125.1	129	250.1	12.66	166.6	118.8	134.4	237.5	11.51	162.3	
1ATLCS-180A	152.5	126	304.9	*	193	140.51	139	281.1	*	185.3	134	145.4	267.9	*	181.1	
1ATLCS-210A	209.2	163.7	418.3	*	262.2	195.01	179.9	390.1	*	253.4	187.8	189	375.5	*	248.7	
2ATLCS-100A	83.4	74	166.5	8.20	107	77.9	81.8	155.6	7.25	104.4	74.9	86	149.7	6.70	102.7	
2ATLCS-120A	104.5	90.7	208.8	12.94	133.9	97.7	101.4	195.4	11.49	130.5	94.1	106.9	188.0	10.74	128.6	
2ATLCS-140A	120.5	108.5	240.8	11.84	155.6	110.1	120.6	220.2	9.94	149.2	104.7	126.9	208.8	8.93	145.5	
2ATLCS-160A	139.2	121.7	278.0	15.37	178.5	126.7	134.5	253.3	12.44	170.4	119.9	141.4	239.6	10.84	165.6	
2ATLCS-180A	168.6	140.3	336.8	23.77	213.9	155.2	155.8	310.2	21.70	205.5	147.8	163.9	295.3	20.57	200.8	
2ATLCS-200A	186.4	159.4	372.4	28.22	237.9	172.4	178	344.6	24.19	229.7	165.1	187.7	330.2	22.14	225.9	
2ATLCS-220A	200.2	168.8	400.0	28.65	254.7	183.4	188.9	366.6	24.32	244.5	174.7	200.5	349.4	22.12	239.8	
2ATLCS-250A	228.2	192.4	456.0	29.86	290.4	209.2	215.3	418.2	27.98	278.9	199.1	228.5	398.2	25.39	273.2	
2ATLCS-280A	271.9	234	543.6	32.39	347.4	250.2	257	500.2	27.56	333.2	237.5	268.5	474.9	24.75	324.5	
2ATLCS-360A	304.9	251	609.6	24.17	385.9	281.2	277	562.2	22.12	370.6	267.9	290.5	535.7	20.97	362	
2ATLCS-420A	418.3	327.2	836.4	*	524.3	390.0	359.8	780.2	*	506.6	375.4	377	750.9	*	497.4	
3ATLCS-150A	124.9	109.6	249.7	17.06	160.5	116.8	122.4	233.5	15.82	156.6	112.4	129	224.5	15.12	154.0	
3ATLCS-180A	156.7	136	313.4	21.96	200.8	146.6	151.8	292.8	20.37	195.6	141.0	160.2	282.0	19.54	192.9	
3ATLCS-210A	180.7	162.7	361.4	27.66	233.4	165.2	180.8	330.2	23.32	223.5	156.6	190.2	313.4	21.12	218.4	
3ATLCS-240A	208.6	182.5	417.2	28.83	267.8	189.9	201.6	379.9	24.04	255.2	179.7	212.1	359.5	21.41	248.6	
3ATLCS-270A	252.7	210.3	505.2	23.56	320.8	232.5	233.4	465.2	21.52	308.2	221.4	245.7	442.8	20.36	301.2	
3ATLCS-300A	279.4	238.8	558.6	27.91	356.7	258.3	265.5	516.8	23.89	344.4	247.5	281.4	495.2	21.83	338.7	
3ATLCS-330A	300.1	252.9	600.2	28.34	382.2	274.8	283.2	549.6	24.02	366.6	261.9	300.6	523.8	21.82	359.3	
3ATLCS-375A	342.1	288.3	684.2	*	435.4	313.5	322.8	627.2	*	418.2	298.5	342.6	597.2	*	409.6	
3ATLCS-420A	407.8	349.5	815.6	*	521.2	375.0	384	750.2	*	499.5	356.1	402.6	712.2	*	486.6	
4ATLCS-200A	166.5	147	332.9	22.55	213.9	155.8	163.4	311.4	19.45	208.7	149.8	173	299.3	17.73	205.6	
4ATLCS-240A	208.9	181.2	417.6	28.91	267.6	195.4	202.4	390.4	25.42	260.8	188.2	213.6	376.2	23.55	257.2	
4ATLCS-280A	240.9	216.8	481.6	26.49	311.1	220.2	240.8	440.3	21.89	298.3	208.8	253.7	417.7	19.39	291.1	
4ATLCS-320A	278.2	243.2	556.0	15.46	356.8	253.2	268.8	506.4	12.54	340.5	239.6	282.8	479.2	10.94	331.4	
4ATLCS-360A	336.9	280.4	673.6	23.86	427.7	310.2	311.3	620.3	21.82	410.9	295.2	327.6	590.4	20.66	401.4	
4ATLCS-400A	372.6	318.4	744.8	28.31	475.6	344.4	355	688.8	24.29	459.2	330.2	375.2	660.2	22.23	451.6	
4ATLCS-440A	400.2	337.2	800.2	28.84	509.3	366.5	377.7	732.8	24.52	488.9	349.2	400.8	698.4	22.32	479.2	
4ATLCS-500A	456.2	384.4	912.2	30.05	580.6	418.2	430.5	836.3	28.18	557.6	398.2	456.8	796.2	25.58	546.2	
4ATLCS-560A	543.8	467	1087.4	32.58	694.6	500.2	514	1000.3	27.76	666.2	474.8	536.8	949.6	24.94	648.9	

Note:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 42°F

Model	Condenser Leaving Water Temperature																	
	85°F						90°F						95°F					
	QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	32.9	15.45	65.7	2.42	75.6	2.97	32.4	16.2	64.4	2.34	74.6	2.88	31.1	17.09	62.4	2.17	73.3	2.78
1ATLCS-60W	41.4	19.17	82.5	3.62	94.8	2.67	40.2	20.1	80.2	3.46	93.2	2.51	39.1	21.2	78.4	3.31	91.9	2.38
1ATLCS-70W	47.9	23	95.7	3.24	110.4	3.16	46.6	24.1	93.0	2.98	108.6	2.98	45.3	25.3	90.7	2.75	107.0	2.82
1ATLCS-80W	56	26.2	111.9	4.99	128.7	3.07	54.5	27.3	108.8	4.71	126.5	2.78	52.8	28.6	105.7	4.41	124.1	2.49
1ATLCS-90W	63.5	32	126.9	6.42	146.2	2.52	61.9	31.3	123.6	6.12	143.9	2.22	60.2	32.8	120.4	5.80	141.7	1.92
1ATLCS-110W	79.2	36.9	158.2	7.46	181.9	4.97	77.1	38.5	154.2	7.11	179.2	4.75	75.2	40.3	150.2	6.74	176.1	4.53
1ATLCS-125W	90.3	42	180.3	9.92	207.4	3.18	87.8	43.9	175.6	9.43	204.1	2.92	85.5	46	171.2	8.94	200.8	2.69
1ATLCS-140W	104.2	47.9	208.2	8.86	239.1	4.42	101.4	50.1	202.8	8.39	235.3	4.12	98.7	52.5	197.4	7.90	231.4	3.85
1ATLCS-180W	132.9	62.6	265.7	*	306.1	*	129.60	64.9	259.2	*	301.3	*	126.2	67.8	252.4	*	296.4	*
1ATLCS-210W	153.8	70.9	307.5	*	353.3	*	150.10	74	300.2	*	348.2	*	146.3	77.5	292.6	*	342.8	*
2ATLCS-100W	65.7	30.9	131.4	5.09	151.4	2.98	64.2	32.6	128.2	4.79	149.2	2.88	62.4	34.19	124.6	4.48	146.8	2.79
2ATLCS-120W	82.5	38.34	164.8	8.29	189.7	2.67	80.3	40.4	160.4	7.85	186.6	2.52	78.4	42.4	156.4	7.42	183.9	2.38
2ATLCS-140W	95.7	45.9	191.3	7.35	220.9	3.16	93.3	48.4	186.2	6.87	217.4	2.98	90.8	50.6	181.2	6.44	214.3	2.82
2ATLCS-160W	111.9	52.4	223.7	13.97	257.4	3.07	108.8	54.7	217.6	13.27	253.2	2.78	105.8	57.2	211.2	12.50	248.6	2.49
2ATLCS-180W	126.9	59.9	253.7	17.36	292.4	2.52	123.6	62.7	247.2	16.87	287.8	2.22	120.5	65.6	240.8	16.37	283.6	1.92
2ATLCS-220W	158.2	73.7	316.2	17.84	363.7	4.96	154.4	77	308.4	16.86	358.4	4.75	150.3	80.6	300.3	15.77	352.3	4.55
2ATLCS-250W	180.4	83.9	360.5	17.56	414.7	3.17	175.6	87.9	351.2	19.37	408.2	2.92	171.3	92	342.3	18.17	401.6	2.69
2ATLCS-280W	208.2	95.9	416.2	18.22	478.1	4.40	202.9	100.3	405.6	17.05	470.7	4.12	197.5	105	394.8	15.84	462.9	3.85
2ATLCS-360W	265.8	124.9	531.4	17.75	612.1	*	259.2	129.9	518.5	17.26	602.6	*	252.5	135.6	504.9	16.77	592.7	*
2ATLCS-420W	307.6	141.7	614.9	*	706.6	*	300.2	149	600.5	*	696.3	*	292.8	155	585.2	*	685.7	*
3ATLCS-150W	98.5	46.34	196.9	12.99	226.9	2.97	96.2	48.8	192.2	12.62	223.6	2.88	93.4	51.28	186.8	12.22	219.9	2.79
3ATLCS-180W	123.8	57.48	247.2	16.87	284.7	2.67	120.3	60.5	240.6	16.35	279.7	2.52	117.4	63.6	234.7	15.89	275.8	2.39
3ATLCS-210W	143.6	68.7	286.8	16.84	331.4	3.17	139.7	72.5	279.5	15.85	325.9	2.99	135.9	75.9	271.9	14.79	321.2	2.83
3ATLCS-240W	167.8	78.3	335.4	18.35	386.4	3.07	163.4	81.9	326.4	17.17	379.7	2.79	158.5	85.8	316.9	15.94	372.6	2.50
3ATLCS-270W	190.4	89.7	380.4	17.16	438.8	2.52	185.6	93.9	370.8	16.66	431.8	2.22	180.7	98.4	361.3	16.18	425.2	1.92
3ATLCS-330W	237.2	110.4	474.0	17.54	545.8	4.97	231.5	115.7	462.6	16.55	537.7	4.77	225.2	120.9	450.2	15.47	528.6	4.54
3ATLCS-375W	270.5	125.7	540.6	*	622.2	3.17	263.5	131.9	526.8	*	612.4	2.92	256.6	138	513.2	*	602.6	2.69
3ATLCS-420W	312.2	143.7	624.0	*	717.4	4.39	304.2	150.3	608.4	*	705.8	4.12	296.2	157.5	592.2	*	694.4	3.86
4ATLCS-200W	131.4	61.78	262.6	18.05	302.6	2.98	128.4	64.9	256.2	17.56	298.2	2.88	124.6	68.36	248.9	16.99	293.2	2.79
4ATLCS-240W	164.9	76.64	329.8	22.09	379.3	2.68	160.6	80.6	320.9	20.82	372.9	2.52	156.6	84.9	312.8	19.68	367.9	2.39
4ATLCS-280W	191.4	91.8	382.6	24.39	441.8	2.38	186.2	96.6	372.2	23.06	434.7	2.23	181.2	101.2	362.4	21.82	428.2	2.14
4ATLCS-320W	223.8	104.4	447.4	14.08	514.9	2.32	217.8	109.4	435.2	13.36	506.0	2.09	211.2	114.4	422.4	12.62	496.8	1.86
4ATLCS-360W	253.8	119.6	507.4	17.47	584.7	1.89	247.2	125.4	494.4	16.96	575.6	1.65	240.8	131.2	481.6	16.48	566.8	1.44
4ATLCS-440W	316.2	147.2	632.2	18.15	727.4	3.72	308.4	154	616.8	17.64	716.6	3.57	300.0	161.2	600.0	17.09	704.6	3.42
4ATLCS-500W	360.6	167.6	720.8	22.27	829.5	2.37	351.2	175.6	702.4	21.01	816.2	2.19	342.0	184	684.0	19.88	803.5	2.04
4ATLCS-560W	416.2	191.6	832.0	24.57	956.2	3.29	405.6	200.4	811.2	23.24	941.1	3.09	394.8	210	789.6	22.02	925.7	2.89

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 42°F (cont.)

Model	Condenser Leaving Water Temperature											
	100°F						105°F					
	QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	30.4	18.04	60.5	2.06	72.2	2.69	29.4	19	58.7	1.93	72	2.59
1ATLCS-60W	38	22.5	75.8	3.14	90.4	2.24	36.9	23.7	73.7	2.99	89	2.10
1ATLCS-70W	44	26.6	87.9	2.49	105.2	2.63	42.6	27.9	85.2	2.25	103.2	2.45
1ATLCS-80W	51.3	30.4	102.4	4.12	121.9	2.19	49.5	31.8	98.9	3.79	119.4	1.87
1ATLCS-90W	58.5	34.6	116.8	5.46	139.2	1.56	56.8	36.4	113.4	5.14	136.8	1.24
1ATLCS-110W	73	42.4	145.8	6.36	173.2	4.32	70.7	44.5	141.4	5.97	170.2	4.10
1ATLCS-125W	83.2	48.6	166.4	8.46	197.7	2.48	80.8	50.9	161.4	7.92	194.3	2.24
1ATLCS-140W	96	55.3	191.8	7.39	227.5	3.58	93.3	58	186.4	6.89	223.9	3.33
1ATLCS-180W	122.7	71.1	245.2	*	291.3	*	118.80	74.8	237.6	*	286.1	*
1ATLCS-210W	142.4	81.4	284.6	*	337.4	*	138.10	85.6	276.2	*	331.7	*
2ATLCS-100W	60.6	36.05	120.9	4.16	144.4	2.69	58.7	38	117.4	3.85	141.9	2.59
2ATLCS-120W	75.9	44.9	151.7	6.92	180.8	2.24	73.9	47.4	147.4	6.44	177.9	2.09
2ATLCS-140W	87.9	53	175.7	5.94	210.2	2.63	85.4	55.9	170.2	5.44	206.4	2.46
2ATLCS-160W	102.3	60.3	204.5	11.72	243.5	2.18	98.9	63.3	197.7	10.92	238.7	1.88
2ATLCS-180W	116.9	70	233.7	15.84	278.5	1.56	113.4	72.7	226.5	15.27	273.6	1.25
2ATLCS-220W	145.9	84.8	291.7	14.69	346.5	4.32	141.5	89	282.9	13.57	340.7	4.11
2ATLCS-250W	166.3	96.7	332.5	13.95	395.2	2.46	161.4	101.7	322.5	15.66	388.5	2.24
2ATLCS-280W	191.9	110.3	383.7	14.62	455.2	3.58	186.4	117	372.5	13.36	447.7	3.32
2ATLCS-360W	245.3	142.3	490.5	16.23	582.8	*	237.7	149.8	475.4	15.68	572.4	*
2ATLCS-420W	284.7	162.9	569.3	*	674.8	*	276.4	171.4	552.6	*	663.6	*
3ATLCS-150W	90.7	54.07	181.4	11.79	216.4	2.69	88	57	175.9	11.38	212.9	2.59
3ATLCS-180W	113.8	67.4	227.6	15.35	271.2	2.24	110.5	70.9	220.9	14.84	266.8	2.09
3ATLCS-210W	131.8	79.6	263.6	13.70	315	2.64	127.6	83.8	255.2	12.57	309.4	2.46
3ATLCS-240W	153.4	90.4	306.7	14.64	365.2	2.19	148.3	94.9	296.4	13.31	357.9	1.88
3ATLCS-270W	175.3	103.7	350.6	15.64	417.6	1.57	169.9	109	339.6	15.06	410.2	1.24
3ATLCS-330W	218.8	127	437.6	14.40	519.8	4.34	212.2	133.7	424.2	13.26	510.7	4.10
3ATLCS-375W	249.4	145	498.7	*	592.6	2.47	241.9	152.5	483.6	*	582.4	2.22
3ATLCS-420W	287.8	165.4	575.6	*	682.7	3.59	279.4	175	558.6	*	671.4	3.31
4ATLCS-200W	120.8	72.08	241.7	16.44	288.5	2.69	117.4	77	234.6	15.90	283.9	2.59
4ATLCS-240W	151.7	89.7	303.4	18.29	361.3	2.23	147.2	94.6	294.6	17.04	355.8	2.09
4ATLCS-280W	175.7	106	351.4	20.38	419.9	1.98	170.2	111.6	340.2	18.94	412.4	1.85
4ATLCS-320W	204.5	120.6	408.9	11.82	486.9	1.64	197.8	126.4	395.4	11.02	477.3	1.42
4ATLCS-360W	233.7	139	467.4	15.94	556.7	1.18	226.6	145.2	452.9	15.38	547	0.94
4ATLCS-440W	291.7	169.4	583.4	16.54	692.9	3.25	282.9	178	565.7	15.99	681.2	3.08
4ATLCS-500W	332.5	193.4	664.9	18.50	790.2	1.86	322.5	203.2	644.9	17.25	776.7	1.68
4ATLCS-560W	383.7	220.5	767.4	20.58	910.2	2.69	372.5	232	744.9	19.14	895.4	2.50

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 44°F

REFRIGERANT = R134a MVR=1	Model	Condenser Leaving Water Temperature																	
		85°F				90°F				95°F									
		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
		MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	34.4	15.8	68.6	2.63	78.7	3.22	33.6	16.40	66.9	2.52	77.5	3.13	32.6	17.27	65.2	2.38	76.4	3.02	
1ATLCS-60W	43	19.38	85.9	3.88	98.5	3.02	42	20.4	83.9	3.72	97.2	2.88	40.9	21.6	81.6	3.58	95.7	2.74	
1ATLCS-70W	49.9	23.4	99.8	3.64	114.9	3.58	49	24.4	97.5	3.42	113.4	3.42	47.6	25.7	94.8	3.17	111.5	3.26	
1ATLCS-80W	58.7	26.6	117.2	5.49	134.2	3.75	57	27.6	113.9	5.19	131.8	3.45	55.4	29	110.4	4.87	129.4	3.14	
1ATLCS-90W	66.5	30.4	132.8	6.95	152.2	3.32	64.8	31.6	129.4	6.64	149.8	2.97	62.9	33.2	125.9	6.32	147.5	2.66	
1ATLCS-110W	82.7	37.4	165.2	8.08	189.2	5.49	80.7	38.9	160.9	7.70	186.2	5.26	78.3	40.8	156.9	7.34	183.2	5.06	
1ATLCS-125W	94.2	42.6	188.2	10.75	215.6	3.75	91.7	44.3	183.4	10.25	212.2	3.49	89.0	46.6	178.3	9.69	208.2	3.22	
1ATLCS-140W	108.7	48.6	217.2	9.68	248.5	5.07	105.9	50.6	211.6	9.18	244.4	4.77	103.6	53	207.4	8.79	241.8	4.58	
1ATLCS-180W	138.7	63	277.2	*	318.2	*	135.32	65.5	270.6	*	313.1	*	131.9	68.3	263.8	*	307.9	*	
1ATLCS-210W	160.6	71.7	320.9	*	367.4	*	156.72	74.7	313.4	*	361.8	*	152.8	78.2	305.8	*	356.3	*	
2ATLCS-100W	68.5	31.4	136.9	5.58	157.4	3.22	66.9	32.79	133.7	5.29	155	3.12	65.2	34.6	130.2	4.98	152.6	3.02	
2ATLCS-120W	85.9	38.74	171.6	9.02	196.8	3.02	83.9	40.8	167.6	8.59	193.9	2.86	81.6	42.8	163.2	8.12	190.9	2.72	
2ATLCS-140W	99.9	46.5	199.6	8.12	229.8	3.58	97.6	48.8	194.8	7.67	226.3	3.41	94.8	51	189.6	7.20	222.7	3.24	
2ATLCS-160W	117.2	52.9	234.0	15.19	268.4	3.76	113.9	55.4	227.6	14.43	263.4	3.44	110.4	58	220.8	13.63	258.4	3.12	
2ATLCS-180W	132.8	60.5	265.2	18.27	304.6	3.32	129.4	63.4	258.4	17.72	299.4	2.97	125.8	66.2	251.6	17.20	294.5	2.64	
2ATLCS-220W	165.2	74.6	330.0	19.65	378.4	5.50	160.9	77.9	321.6	18.55	372.0	5.26	156.6	81.4	313.2	17.47	366.0	5.04	
2ATLCS-250W	188.2	84.9	376.0	19.57	431.2	3.74	183.6	88.6	366.8	21.37	424.2	3.49	178.0	92.8	356.0	19.98	416.2	3.21	
2ATLCS-280W	217.2	96.9	434.0	20.22	496.9	5.07	211.7	101.2	423.2	19.00	488.8	4.77	207.2	106	414.4	18.02	483.1	4.57	
2ATLCS-360W	277.4	127	554.4	18.67	636.2	*	270.8	131	541.2	18.12	626.1	*	263.6	136.6	527.2	17.60	615.8	*	
2ATLCS-420W	320.9	144	641.6	*	734.4	*	313.6	149.4	626.8	*	723.7	*	305.6	156.4	611.2	*	712.6	*	
3ATLCS-150W	102.8	46.9	205.4	13.66	235.7	3.22	100.5	49.18	200.7	13.28	232.5	3.14	97.7	51.77	195.3	12.87	228.7	3.03	
3ATLCS-180W	128.9	58.09	257.5	17.67	295.3	3.03	125.8	61	251.7	17.22	291	2.88	122.4	64.2	244.9	16.69	286.7	2.74	
3ATLCS-210W	149.9	69.8	299.6	18.66	344.7	3.59	146.3	73	292.4	17.58	339.7	3.45	142.2	76.5	284.6	16.49	334.3	3.27	
3ATLCS-240W	175.7	79.4	351.3	20.36	402.6	3.77	170.8	82.9	341.6	19.13	395.3	3.46	165.6	87	331.2	17.79	387.7	3.15	
3ATLCS-270W	199	90.8	397.9	18.07	456.7	3.33	193.9	94.9	387.8	17.54	449.3	2.99	188.7	99.3	377.4	17.03	441.9	2.65	
3ATLCS-330W	247.7	111.8	495.2	19.36	567.6	5.51	241.5	116.8	482.6	18.28	558.4	5.28	234.9	122.1	469.8	17.19	549.3	5.06	
3ATLCS-375W	282.3	127.4	564.2	*	646.8	3.75	275.4	133	550.4	*	636.7	3.41	267.0	139.2	534.0	*	624.5	3.23	
3ATLCS-420W	325.8	145.4	651.2	*	745.3	5.07	317.7	152	635	*	733.6	4.78	310.8	159	621.6	*	724.8	4.58	
4ATLCS-200W	136.9	62.5	273.7	18.89	314.2	3.22	133.8	65.58	267.4	18.42	309.8	3.12	130.2	69	260.2	17.87	304.9	3.02	
4ATLCS-240W	171.7	77.45	343.3	24.04	393.6	3.02	167.8	81.4	335.4	22.89	387.9	2.86	163.4	85.8	326.4	21.64	382	2.74	
4ATLCS-280W	199.7	92.9	399.3	26.56	459.6	2.69	194.9	97.4	389.8	25.32	452.8	2.58	189.8	103	379.2	23.98	445.5	2.45	
4ATLCS-320W	234.1	105.7	468.2	15.29	536.6	2.82	227.6	110.6	455.4	14.55	526.9	2.59	220.9	117	441.6	13.75	516.9	2.36	
4ATLCS-360W	265.3	120.9	530.6	18.36	608.8	2.49	258.4	126.6	516.9	17.84	598.8	2.24	251.8	132.6	503.2	17.32	589.2	1.99	
4ATLCS-440W	330.2	148.9	660.2	18.99	756.7	4.12	321.6	155.6	643.2	18.50	744.2	3.96	313.4	162.9	626.4	17.95	731.9	3.78	
4ATLCS-500W	376.2	169.7	752.2	24.24	862	2.82	366.8	177.2	733.6	23.08	848.5	2.64	356.2	185.8	712.0	21.84	832.4	2.42	
4ATLCS-560W	434.2	193.7	868.2	26.76	993.7	3.79	423.2	202.4	846.4	25.50	977.6	3.57	414.4	213	828.8	24.18	966.4	3.42	

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 44°F (cont.)

MVR=1 Refrigerant=R134a	Model	Condenser Leaving Water Temperature											
		100°F					105°F						
		QE	WC	Evap. W.F.D. (ΔT=10°F)	Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)	Cond. W.F.D. (ΔT=10°F)			
	1ATLCS-50W	31.8	18.18	63.4	2.25	75.2	2.92	30.8	19.18	61.4	2.12	73.8	2.82
	1ATLCS-60W	39.8	22.7	79.4	3.39	93.9	2.58	38.4	23.9	76.9	3.22	92.4	2.43
	1ATLCS-70W	46.2	26.9	92.2	2.90	109.5	3.06	44.5	28.4	89.2	2.62	107.5	2.86
	1ATLCS-80W	53.7	30.5	107.2	4.57	126.8	2.82	51.8	32	103.5	4.21	124.2	2.49
	1ATLCS-90W	61.2	34.9	122.4	5.98	144.9	2.32	59.4	36.8	118.8	5.64	142.4	1.99
	1ATLCS-110W	76.2	42.8	152.4	6.94	179.9	4.83	73.9	44.9	147.8	6.55	176.9	4.60
	1ATLCS-125W	86.9	48.8	173.7	9.23	205.4	3.02	84.2	51.2	168.5	8.68	201.6	2.75
	1ATLCS-140W	100.4	55.8	200.5	8.18	236.6	4.22	97.2	58.4	194.4	7.65	232.5	3.92
	1ATLCS-180W	128.2	71.7	256.4	*	302.8	*	124.20	75.2	248.5	*	297.4	*
	1ATLCS-210W	148.8	82	297.6	*	350.8	*	144.30	86.2	288.8	*	344.7	*
	2ATLCS-100W	63.4	36.38	126.6	4.66	150.2	2.92	61.2	38.35	122.5	4.30	147.4	2.82
	2ATLCS-120W	79.4	45	158.6	7.62	187.7	2.57	76.8	47.7	153.7	7.12	184.6	2.42
	2ATLCS-140W	92.2	53.8	184.2	6.69	218.8	3.06	89.2	56.3	178.2	6.16	214.7	2.86
	2ATLCS-160W	107.2	60.9	214.2	12.84	253.5	2.82	103.5	63.9	206.9	11.99	248.4	2.49
	2ATLCS-180W	122.4	69.8	244.6	16.66	289.6	2.32	118.8	73.4	237.4	16.1	284.8	2
	2ATLCS-220W	152.4	85.5	304.6	16.34	359.8	4.84	147.9	89.9	295.8	15.22	353.9	4.60
	2ATLCS-250W	173.8	97.5	347.4	15.84	410.4	3.02	168.6	102.4	336.9	17.52	403.2	2.75
	2ATLCS-280W	200.5	111.4	400.9	16.51	473	4.22	194.5	116.9	388.9	15.18	464.6	3.92
	2ATLCS-360W	256.4	143.4	512.6	17.05	605.4	*	248.6	150.5	496.9	16.49	594.4	*
	2ATLCS-420W	297.5	164	594.9	*	701.2	*	288.7	172.5	577.3	*	689.2	*
	3ATLCS-150W	94.9	54.52	189.8	12.44	225	2.92	91.9	57.52	183.8	11.98	221	2.82
	3ATLCS-180W	118.9	67.7	237.8	16.13	281.6	2.57	115.3	71.5	230.5	15.58	276.8	2.42
	3ATLCS-210W	138.2	80.6	276.2	15.36	328.2	3.06	133.6	84.7	267.0	14.20	321.9	2.86
	3ATLCS-240W	160.6	91.4	321.2	16.48	380.2	2.82	155.1	95.8	310.3	15.09	372.3	2.49
	3ATLCS-270W	183.4	104.6	366.8	16.46	434.4	2.32	177.9	109.9	355.9	15.90	427.1	2
	3ATLCS-330W	228.4	128.2	456.8	16.06	539.8	4.84	221.8	134.8	443.6	14.92	530.8	4.60
	3ATLCS-375W	260.5	146.2	520.9	*	615.6	3.04	252.8	153.4	505.4	*	604.7	2.75
	3ATLCS-420W	300.8	166.9	601.4	*	709.4	4.24	291.8	175.4	583.4	*	696.9	3.92
	4ATLCS-200W	126.6	72.69	252.9	17.30	299.9	2.92	122.5	76.69	244.9	16.69	294.6	2.82
	4ATLCS-240W	158.5	90	316.9	20.25	375.2	2.57	153.8	95.3	307.4	18.87	369	2.42
	4ATLCS-280W	184.2	107.3	368.2	22.53	437.6	2.29	178.2	112.9	356.2	20.98	429.2	2.15
	4ATLCS-320W	214.2	121.7	428.2	12.94	506.9	2.12	206.9	127.7	413.7	12.10	496.4	1.87
	4ATLCS-360W	244.6	139.3	488.9	16.76	579.2	1.74	237.3	146.5	474.5	16.20	569.4	1.50
	4ATLCS-440W	304.6	170.9	608.9	17.40	719.6	3.62	295.7	179.7	591.3	16.79	707.7	3.45
	4ATLCS-500W	347.4	194.9	694.6	20.46	820.8	2.26	336.9	204.5	673.7	19.07	806.2	2.07
	4ATLCS-560W	400.9	222.6	801.8	22.74	945.9	3.16	388.9	233.8	777.7	21.19	929.2	2.94

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 45°F

Model	Condenser Leaving Water Temperature																	
	85°F						90°F						95°F					
	QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	35	15.89	69.9	2.72	80.2	3.34	34.2	16.48	68.3	2.62	78.9	3.24	33.4	17.33	66.5	2.48	77.7	3.14
1ATLCS-60W	44	19.47	87.9	4.02	100.5	3.20	42.9	20.5	85.7	3.85	98.9	3.05	41.8	21.5	83.5	3.69	97.4	2.92
1ATLCS-70W	51.2	23.4	102.3	3.86	117.4	3.82	49.9	24.5	99.7	3.62	115.5	3.64	48.7	25.6	97.2	3.37	113.7	3.47
1ATLCS-80W	59.9	26.7	119.7	5.73	136.9	4.10	58.3	27.9	116.5	5.43	134.5	3.79	56.7	29.3	113.2	5.12	132	3.47
1ATLCS-90W	67.9	30.4	135.7	7.23	155.3	3.73	66.2	31.8	132.3	6.92	152.9	3.39	64.4	33.5	128.7	6.57	150.3	3.06
1ATLCS-110W	84.4	37.5	168.7	8.40	192.9	5.77	82.3	39	164.5	8.02	189.8	5.54	80.2	40.9	160.2	7.64	186.6	5.29
1ATLCS-125W	96.2	42.7	192.2	11.17	219.7	4.03	93.8	44.6	187.3	10.66	216.2	3.78	91.2	46.6	182.5	10.16	212.8	3.54
1ATLCS-140W	110.9	48.8	221.8	10.09	253.3	5.39	108.2	50.9	216.3	9.62	249.2	5.12	105.2	53.3	210.4	9.08	245	4.82
1ATLCS-180W	141.7	63.5	283.3	*	324.4	*	138.22	65.9	276.5	*	319.2	*	134.6	68.7	269.3	*	313.8	*
1ATLCS-210W	163.9	72	327.7	*	374.3	*	160.2	75	320.2	*	368.7	*	156.1	78.6	312.3	*	363.2	*
2ATLCS-100W	69.8	31.76	139.6	5.81	160.2	3.33	68.2	32.94	136.4	5.53	157.8	3.23	66.4	34.66	132.8	5.21	155.3	3.13
2ATLCS-120W	87.8	38.92	175.6	9.43	200.8	3.19	85.6	40.8	171.2	8.97	197.6	3.04	83.4	43	166.8	8.50	194.7	2.90
2ATLCS-140W	102.2	46.6	204.4	8.53	234.6	3.81	99.6	48.8	199.2	8.06	230.8	3.63	97.0	51.2	194.0	7.59	227.2	3.46
2ATLCS-160W	119.6	53.2	239.2	15.80	273.7	4.09	116.4	55.6	232.8	15.04	268.8	3.78	113.0	58.2	226.0	14.24	263.7	3.46
2ATLCS-180W	135.6	60.6	271.2	18.71	310.5	3.71	132.2	63.4	264.4	18.19	305.5	3.38	128.6	66.6	257.2	17.63	300.4	3.04
2ATLCS-220W	168.6	74.8	337.2	20.56	385.7	5.76	164.4	78	328.8	19.48	379.4	5.53	160.0	81.8	320.0	18.34	373.0	5.29
2ATLCS-250W	192.0	85.2	384.0	20.58	439.2	4.02	187.2	89	374.4	22.34	432.1	3.77	182.4	93.2	364.8	21.11	425.2	3.52
2ATLCS-280W	221.6	97.4	443.2	21.22	506.3	5.38	216.2	101.6	432.4	20.02	498.3	5.10	210.4	106.4	420.8	18.73	489.8	4.80
2ATLCS-360W	283.2	126.8	566.4	19.11	648.6	*	276.4	131.6	552.8	18.59	638.1	*	269.2	137.2	538.4	18.03	627.3	*
2ATLCS-420W	327.6	143.8	655.2	*	748.4	*	320.0	150	640.0	*	737.2	*	312.2	157	624.4	*	726.2	*
3ATLCS-150W	104.8	47.65	209.5	13.96	240.4	3.34	102.4	49.42	204.7	13.59	236.7	3.24	99.7	52	199.3	13.18	233	3.15
3ATLCS-180W	131.8	58.39	263.5	18.11	301.3	3.20	128.5	61.3	256.9	17.62	296.6	3.05	125.2	64.6	250.3	17.10	292.2	2.92
3ATLCS-210W	153.4	70	306.7	19.57	352	3.82	149.5	73.3	298.9	18.49	346.5	3.62	145.7	76.9	291.2	17.35	340.9	3.47
3ATLCS-240W	179.5	79.9	358.9	21.35	410.6	4.10	174.7	83.5	349.3	20.12	403.4	3.79	169.6	87.4	339.2	18.79	395.7	3.47
3ATLCS-270W	203.5	91	406.9	18.52	465.8	3.72	198.4	95.2	396.7	17.99	458.4	3.39	193	99.9	385.9	17.44	450.7	3.05
3ATLCS-330W	253	112.3	505.9	20.27	578.6	5.77	246.7	118	493.3	19.19	569.2	5.55	240.2	122.8	480.2	18.05	559.6	5.30
3ATLCS-375W	288.2	127.9	576.2	*	659	4.03	280.9	133.6	561.7	*	648.2	3.78	273.7	139.9	547.3	*	637.9	3.54
3ATLCS-420W	332.5	146.2	664.9	*	759.6	5.39	324.4	152.5	648.7	*	747.5	5.12	315.7	159.7	631.3	*	734.8	4.82
4ATLCS-200W	139.7	63.54	279.4	19.34	320.4	3.33	136.4	65.88	272.8	18.84	315.6	3.24	132.9	69.34	265.7	18.28	310.6	3.14
4ATLCS-240W	175.7	77.85	351.4	25.18	401.7	3.19	171.2	81.6	342.4	23.92	395.4	3.06	166.9	86	333.7	22.65	389.5	2.92
4ATLCS-280W	204.5	93.4	408.9	27.78	469.2	2.86	199.2	97.6	398.4	26.44	461.8	2.73	194.2	102.5	388.2	25.10	454.5	2.60
4ATLCS-320W	239.3	106.6	478.5	15.92	547.4	3.07	232.8	111.2	465.6	15.15	537.8	2.85	226.2	116.5	452.2	14.34	527.6	2.62
4ATLCS-360W	271.3	121.4	542.5	18.82	621.0	2.78	264.4	126.8	528.8	18.30	611.2	2.55	257.3	133.4	514.5	17.73	600.9	2.29
4ATLCS-440W	337.3	149.7	674.5	19.44	771.4	4.32	328.8	156	657.6	18.94	758.8	4.16	320.2	163.7	640.2	18.38	746.2	3.98
4ATLCS-500W	384.2	170.5	768.2	25.38	878.5	3.01	374.4	178	748.8	24.12	864.3	2.84	364.9	186.6	729.7	22.85	850.5	2.65
4ATLCS-560W	443.4	194.9	886.5	27.98	1012.7	4.04	432.4	203.2	864.8	26.64	996.6	3.83	420.9	212.9	841.7	25.30	979.6	3.60

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 45°F (cont.)

MVR=1 Refrigerant=R134a	Model	Condenser Leaving Water Temperature										
		100°F					105°F					
		QE	WC	Evap. W.F.D. (ΔT=10°F)	Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)	Cond. W.F.D. (ΔT=10°F)		
1ATLCS-50W	32.4	18.26	64.8	2.36	76.5	3.04	31.5	19.4	62.8	2.22	75.2	2.94
1ATLCS-60W	40.6	22.7	81.2	3.52	95.8	2.75	39.4	24	78.8	3.36	94.2	2.60
1ATLCS-70W	47.2	27	94.4	3.10	111.7	3.28	45.7	28.4	91.4	2.82	109.6	3.08
1ATLCS-80W	54.9	30.6	109.7	4.80	129.5	3.16	53	32	105.9	4.44	126.6	2.79
1ATLCS-90W	62.6	35	125.2	6.24	147.7	2.70	60.7	36.8	121.5	5.88	145.1	2.35
1ATLCS-110W	77.9	43	155.7	7.24	183.5	5.08	75.6	45.2	151.2	6.83	180.3	4.84
1ATLCS-125W	88.8	49	177.5	9.63	209.2	3.29	86.2	51.4	172.5	9.09	205.7	3.02
1ATLCS-140W	102.4	55.9	204.6	8.56	240.9	4.52	99.5	58.7	199	8.04	236.9	4.24
1ATLCS-180W	131	71.9	261.9	*	308.3	*	126.90	75.7	254	*	302.8	*
1ATLCS-210W	152	82.5	303.9	*	357.4	*	147.6	86.6	295.3	*	351.1	*
2ATLCS-100W	64.8	36.6	129.3	4.90	153	3.05	62.7	38.5	125.3	4.56	150.2	2.93
2ATLCS-120W	81.2	45.3	162.2	8.02	191.5	2.75	78.7	47.9	157.3	7.49	188.3	2.59
2ATLCS-140W	94.4	53.9	188.5	7.10	223.5	3.28	91.3	56.7	182.5	6.57	219.2	3.07
2ATLCS-160W	109.7	61	219.3	13.45	258.8	3.16	105.9	64	211.7	12.57	253.2	2.79
2ATLCS-180W	125.2	69.9	250.1	17.09	295.4	2.70	121.3	73.5	242.5	16.50	290.2	2.35
2ATLCS-220W	155.7	85.9	311.3	17.22	366.9	5.08	151.2	90.4	302.2	16.02	360.7	4.85
2ATLCS-250W	177.5	97.9	354.9	16.83	418.3	3.29	172.4	102.8	344.5	18.49	411	3.03
2ATLCS-280W	204.7	111.7	409.3	17.45	481.6	4.52	198.9	117.4	397.8	16.17	473.8	4.24
2ATLCS-360W	261.9	143.7	523.7	17.49	616.8	*	253.9	152	507.8	16.89	605.7	*
2ATLCS-420W	303.9	164.7	607.7	*	714.5	*	295.2	174	590.2	*	702.4	*
3ATLCS-150W	97	54.76	193.9	12.76	229.4	3.04	94	57.8	187.9	12.30	225.1	2.93
3ATLCS-180W	121.7	67.9	243.2	16.55	287.2	2.75	118	71.8	235.9	15.99	282.3	2.60
3ATLCS-210W	141.5	80.8	282.7	16.22	335	3.28	136.9	85	273.8	15.05	328.6	3.08
3ATLCS-240W	164.5	91.6	328.9	17.49	388.2	3.16	158.8	96	317.6	16.02	379.6	2.80
3ATLCS-270W	187.6	104.8	375.2	16.89	443	2.69	181.8	110.3	363.8	16.30	435.0	2.35
3ATLCS-330W	233.5	128.8	466.9	16.92	550.3	5.08	226.5	135.5	453.2	15.74	540.8	4.84
3ATLCS-375W	266.2	146.8	532.3	*	627.4	3.29	258.3	153.9	516.8	*	616.5	3.04
3ATLCS-420W	307	167.5	613.9	*	722.4	4.52	298.2	175.8	596.5	*	710.5	4.24
4ATLCS-200W	129.4	73	258.5	17.73	305.8	3.05	125.5	76.9	250.4	17.12	300.4	2.94
4ATLCS-240W	162.2	90.6	324.2	21.28	382.7	2.75	157.4	95.8	314.5	19.92	376.5	2.60
4ATLCS-280W	188.6	107.8	376.9	23.67	446.7	2.46	182.5	113.5	364.9	22.12	438.3	2.32
4ATLCS-320W	219.4	122	438.5	13.55	517.5	2.36	211.6	128	423.3	12.66	506.3	2.10
4ATLCS-360W	250.2	139.8	500.2	17.19	590.5	2.02	242.4	146.9	484.9	16.60	580.2	1.77
4ATLCS-440W	311.4	171.8	622.5	17.84	733.6	3.80	302.0	180.4	604.2	17.22	721	3.64
4ATLCS-500W	354.9	195.8	709.8	21.48	836.4	2.46	344.4	205.4	688.9	20.12	821.9	2.28
4ATLCS-560W	409.4	223.4	818.6	23.86	963.1	3.38	397.6	234.5	795.4	22.32	947.3	3.18

Note:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 46°F

Model	Condenser Leaving Water Temperature																	
	85°F						90°F						95°F					
	QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	35.8	15.8	71.5	2.84	81.7	3.47	34.9	16.56	69.7	2.72	80.4	3.36	34	17.5	67.9	2.58	79.2	3.26
1ATLCS-60W	44.9	19.57	89.7	4.14	102.4	3.38	43.8	20.6	87.5	3.97	100.9	3.23	42.6	21.7	85.2	3.82	99.2	3.07
1ATLCS-70W	52.3	23.6	104.5	4.07	119.6	4.05	51	24.7	102	3.84	117.8	3.87	49.7	25.9	99.3	3.58	116	3.69
1ATLCS-80W	61.2	26.9	122.3	5.98	139.7	4.45	59.7	28	119.4	5.69	137.4	4.14	57.9	29.4	115.7	5.37	134.7	3.82
1ATLCS-90W	69.4	30.6	138.7	7.52	158.5	4.14	67.7	31.9	135.5	7.20	156	3.80	65.9	33.5	131.7	6.86	153.5	3.45
1ATLCS-110W	86.2	37.7	172.3	8.72	196.7	6.05	84	39.3	168	8.34	193.4	5.80	81.8	41.2	163.5	7.93	190.2	5.56
1ATLCS-125W	98.2	42.9	196.3	11.62	223.9	4.33	95.9	44.9	191.5	11.12	220.5	4.08	93.3	46.8	186.5	10.58	216.8	3.84
1ATLCS-140W	113.4	49	226.5	10.54	258.2	5.75	110.6	51.4	220.9	10.04	253.9	5.46	107.6	53.5	215.2	9.49	249.8	5.14
1ATLCS-180W	144.7	63.8	289.4	*	330.6	*	141.24	66.4	282.7	*	325.4	*	137.6	68.9	275.2	*	319.8	*
1ATLCS-210W	167.4	72.4	334.8	*	381.7	*	163.54	75.7	327.4	*	376	*	159.6	78.9	319.2	*	370.2	*
2ATLCS-100W	71.5	31.5	142.9	6.12	163.4	3.46	69.7	33.2	139.4	5.79	160.8	3.37	67.9	34.9	135.7	5.47	158.4	3.27
2ATLCS-120W	89.7	39.13	179.3	9.82	204.8	3.38	87.5	41	174.9	9.37	201.5	3.24	85.3	43.3	170.2	8.85	198.2	3.08
2ATLCS-140W	104.6	47	208.9	8.94	239.4	4.04	101.9	49.4	203.7	8.47	235.6	3.87	99.4	51.7	198.5	7.99	232	3.69
2ATLCS-160W	122.4	53.7	244.5	16.42	279.2	4.43	119.2	56	238.2	15.68	274.4	4.15	115.8	58.8	231.3	14.87	269.4	3.82
2ATLCS-180W	138.8	61	277.3	19.18	316.8	4.14	135.3	63.9	270.6	18.67	311.9	3.80	131.9	66.9	263.3	18.10	306.7	3.46
2ATLCS-220W	172.4	75.3	344.5	21.49	393.3	6.05	167.9	78.5	335.7	20.37	386.5	5.80	163.5	82.3	326.8	19.23	380.1	5.55
2ATLCS-250W	196.4	85.7	392.5	21.67	448	4.33	191.5	89.5	382.9	23.44	440.9	4.08	186.5	93.7	372.9	22.16	433.7	3.84
2ATLCS-280W	226.5	97.9	452.9	22.30	516.3	5.74	220.9	102.3	441.7	21.06	507.9	5.44	215.2	106.9	430.2	19.76	499.2	5.13
2ATLCS-360W	289.4	127.5	578.5	19.58	661.2	*	282.5	132.3	564.9	19.07	650.5	*	275.2	137.8	550.2	18.50	639.2	*
2ATLCS-420W	334.7	144.7	669.3	*	763	*	327.2	150.9	654.2	*	751.8	*	319.2	157.8	638.2	*	740.2	*
3ATLCS-150W	107.2	47.3	214.3	14.34	244.8	3.47	104.5	49.67	208.9	13.92	241.2	3.37	101.8	52.4	203.5	13.50	237.3	3.26
3ATLCS-180W	134.5	58.69	268.9	18.52	306.8	3.37	131.1	61.5	262.2	18.04	302.2	3.24	127.7	64.9	255.1	17.47	297.1	3.07
3ATLCS-210W	156.7	70.7	313.3	20.48	358.9	4.03	152.7	73.8	305.4	19.37	353.4	3.87	148.9	77.5	297.7	18.24	347.9	3.69
3ATLCS-240W	183.4	80.5	366.7	22.34	418.7	4.43	178.5	84	357.0	21.11	411.5	4.14	173.5	88	346.9	19.80	403.9	3.82
3ATLCS-270W	208	91.7	415.9	18.97	475.1	4.13	202.8	95.7	405.6	18.45	467.7	3.80	197.5	100.4	394.9	17.90	459.0	3.45
3ATLCS-330W	258.4	112.9	516.7	21.18	589.7	6.04	251.7	117.6	503.4	20.05	579.6	5.80	245.2	123.4	490.4	18.94	570.2	5.57
3ATLCS-375W	294.4	128.5	588.7	*	671.8	4.34	287.2	134.2	574.3	*	661.2	4.08	279.8	140.6	559.3	*	650.3	3.83
3ATLCS-420W	339.7	146.8	679.3	*	774.3	5.74	331.3	153.4	662.5	*	761.9	5.45	322.6	160.4	645.2	*	749	5.14
4ATLCS-200W	142.9	62.9	285.7	19.83	326.4	3.46	139.3	66.3	278.5	19.27	321.4	3.36	135.7	69.7	271.3	18.72	316.4	3.26
4ATLCS-240W	179.3	78.25	358.4	26.20	409.1	3.37	174.8	82	349.7	24.95	402.9	3.25	170.4	86.7	340.4	23.58	396.4	3.08
4ATLCS-280W	208.9	95	417.6	28.91	478.5	3.02	203.6	98.4	407.4	27.58	471.0	2.90	198.5	103.4	396.9	26.24	463.7	2.77
4ATLCS-320W	244.5	107.3	488.8	16.51	558.3	3.32	238.0	112	476.20	15.77	548.6	3.12	231.3	117.2	462.5	14.97	538.5	2.86
4ATLCS-360W	277.3	123	554.4	19.27	633.5	3.10	270.4	127.6	540.9	18.77	623.5	2.86	263.3	133.6	526.5	18.20	613.0	2.58
4ATLCS-440W	344.5	150.5	688.8	19.92	786.3	4.53	335.6	156.8	671.4	19.37	772.9	4.36	326.9	164.5	653.7	18.82	760.3	4.18
4ATLCS-500W	392.5	171.3	784.8	26.40	895.8	3.24	382.8	178.8	765.7	25.15	881.6	3.06	372.9	187.3	745.7	23.77	867.2	2.87
4ATLCS-560W	452.9	195.7	905.6	29.11	1032.4	4.30	441.6	204.4	883.4	27.78	1015.8	4.09	430.2	213.7	860.2	26.44	998.5	3.85

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 46°F (cont.)

Model	Condenser Leaving Water Temperature											
	100°F						105°F					
	QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	33.2	18.5	66.2	2.45	78	3.16	32.2	19.4	64.2	2.32	76.6	3.05
1ATLCS-60W	41.6	22.8	82.9	3.66	97.7	2.94	40.4	24	80.5	3.48	96.2	2.78
1ATLCS-70W	48.2	27.2	96.3	3.29	113.9	3.49	46.7	28.6	93.4	3.02	111.8	3.28
1ATLCS-80W	56.2	30.8	112.2	5.03	132	3.49	54.2	32.3	108.3	4.67	129.2	3.12
1ATLCS-90W	64	35.2	127.9	6.50	150.7	3.09	62.0	36.9	124.0	6.14	148	2.74
1ATLCS-110W	79.7	43	159.2	7.54	187	5.36	77.4	45.4	154.5	7.14	183.8	5.10
1ATLCS-125W	90.7	49.2	181.3	10.03	213.4	3.57	87.9	51.7	175.9	9.47	209.3	3.29
1ATLCS-140W	104.7	56	209.3	8.98	245.6	4.87	101.6	59	203.2	8.42	241.3	4.55
1ATLCS-180W	133.8	72.2	267.5	*	314.2	*	129.82	75.8	259.7	*	308.8	*
1ATLCS-210W	155.3	82.7	310.5	*	363.9	*	150.82	86.8	301.7	*	358	*
2ATLCS-100W	66.2	36.7	132.2	5.16	155.8	3.17	64.2	38.7	128.2	4.80	153.2	3.06
2ATLCS-120W	82.9	45.5	165.7	8.38	195.0	2.92	80.5	48	160.9	7.88	192	2.78
2ATLCS-140W	96.3	54.3	192.5	7.45	227.5	3.47	93.4	57	186.6	6.92	223.5	3.28
2ATLCS-160W	112.2	61.5	224.2	14.01	263.8	3.47	108.4	64.5	216.5	13.12	258.3	3.12
2ATLCS-180W	127.9	70.3	255.7	17.51	301.1	3.08	124.2	73.9	248.2	16.94	295.9	2.74
2ATLCS-220W	159.2	86	318.2	18.09	373.8	5.34	154.5	90.5	308.9	16.92	367.5	5.10
2ATLCS-250W	181.4	98.3	362.5	17.80	426.1	3.56	175.9	104	351.7	19.43	418.5	3.29
2ATLCS-280W	209.4	112	418.6	18.46	491.0	4.85	203.2	117.9	406.2	17.10	482.5	4.55
2ATLCS-360W	267.5	144.3	534.9	17.91	628.3	*	259.7	151.5	519.4	17.34	617.4	*
2ATLCS-420W	310.5	165.3	620.9	*	727.9	*	301.6	173.6	603.2	*	715.8	*
3ATLCS-150W	99.2	55	198.2	13.08	233.7	3.16	96.2	58	192.2	12.62	229.7	3.05
3ATLCS-180W	124.4	68.2	248.5	16.96	292.6	2.93	120.7	72	241.3	16.42	288	2.78
3ATLCS-210W	144.4	81.3	288.7	17.10	341.4	3.48	139.9	85.7	279.7	15.92	335.2	3.28
3ATLCS-240W	168.2	92.2	336.2	18.42	395.8	3.48	162.4	96.7	324.7	16.95	387.4	3.12
3ATLCS-270W	191.8	105.3	383.4	17.31	451.7	3.09	186.2	110.8	372.2	16.73	443.9	2.74
3ATLCS-330W	238.6	129	477.0	17.79	560.7	5.34	231.8	135.8	463.4	16.62	551.2	5.10
3ATLCS-375W	271.9	147.3	543.7	*	639.2	3.56	263.8	154.6	527.5	*	627.6	3.28
3ATLCS-420W	313.9	168	627.7	*	736.5	4.86	304.6	176.8	609.2	*	723.6	4.54
4ATLCS-200W	132.2	73.4	264.0	18.17	311.6	3.16	128.2	77.3	256.2	17.55	306.2	3.05
4ATLCS-240W	165.7	90.9	331.2	22.32	390.2	2.93	160.9	97	321.7	20.95	383.9	2.78
4ATLCS-280W	192.5	108.5	384.8	24.69	455.2	2.62	186.5	115	372.9	23.15	446.8	2.46
4ATLCS-320W	224.1	122.9	448.0	14.12	527.7	2.62	216.5	128.9	432.9	13.22	516.5	2.34
4ATLCS-360W	255.7	140.5	511.2	17.62	602.3	2.32	248.2	147.7	496.2	17.03	591.8	2.06
4ATLCS-440W	318.2	173	636.2	18.27	747.6	3.99	308.9	180.9	617.7	17.65	734.9	3.83
4ATLCS-500W	362.5	196.5	724.9	22.52	852.2	2.68	351.7	207	703.4	21.14	836.8	2.47
4ATLCS-560W	418.5	225	836.9	24.89	982.2	3.64	406.2	235.7	812.0	23.34	964.8	3.42

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 42°F

Model	Condensing Temperature														
	110°F				115°F				120°F						
	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	28.5	20.2	56.9	1.79	35	27.5	21.4	54.9	1.65	34.4	26.4	22.5	52.7	1.49	33.7
1ATLCS-60A	35.7	25	71.2	2.82	43.8	34.5	26.4	68.9	2.65	43	33.2	27.9	66.3	2.46	42.2
1ATLCS-70A	41.1	29.6	82.2	1.95	50.7	39.6	31.2	79.2	1.67	49.7	38	32.9	75.9	1.37	48.5
1ATLCS-80A	47.7	33.3	95.2	3.44	58.4	45.8	35	91.5	3.1	57.2	43.9	36.9	87.7	2.74	55.8
1ATLCS-90A	54.9	38.3	109.6	4.79	67.2	52.8	40.3	105.6	4.41	65.9	50.8	42.5	101.6	4.04	64.6
1ATLCS-110A	68.6	46.9	137.0	5.58	83.7	66.2	49.5	132.4	5.18	82.2	63.9	52.4	127.8	4.77	80.9
1ATLCS-125A	78.2	53.6	156.2	7.39	95.5	75.6	56.6	151.2	6.85	93.9	72.9	59.8	145.7	6.28	92.3
1ATLCS-140A	90.2	61.2	180.2	6.35	109.9	87.1	64.5	174.2	5.81	108.0	84.0	68.2	168.0	5.26	106.2
1ATLCS-180A	115	78.9	229.9	*	140.5	110.92	83.3	221.9	*	138	106.8	88	213.5	*	135.3
1ATLCS-210A	133.8	90.5	267.5	*	163	129.22	95.2	258.5	*	160.2	124.6	100.5	249.2	*	157.2
2ATLCS-100A	56.9	40.2	113.8	3.51	69.8	54.8	42.4	109.6	3.16	68.5	52.6	44.8	105.2	2.77	67.1
2ATLCS-120A	71.3	49.9	142.5	5.93	87.4	68.9	52.7	137.7	5.44	85.9	66.3	55.7	132.5	4.89	84.3
2ATLCS-140A	82.2	59	164.4	4.90	101.3	79.3	62.5	158.3	4.37	99.5	76	65.8	151.8	3.79	97.3
2ATLCS-160A	95.3	66.5	190.5	10.06	116.8	91.5	70	182.9	9.16	114.2	87.7	73.7	175.4	8.28	111.6
2ATLCS-180A	109.7	76.5	219.3	14.72	134.5	105.7	80.7	211.3	14.10	131.8	101.7	86	203.3	13.49	129.3
2ATLCS-220A	137.1	93.9	274.0	12.42	167.4	132.4	99	264.9	11.25	164.6	127.9	104.9	255.7	10.06	161.9
2ATLCS-250A	156.3	108	312.5	11.38	191	151.2	114	302.2	13.04	187.7	145.7	119.5	291.4	11.65	184.3
2ATLCS-280A	180.3	122.4	360.5	12.02	219.8	174.2	129	348.4	10.68	216.0	168.0	136.4	336.0	9.30	212.2
2ATLCS-360A	229.9	157.8	459.7	15.11	281	222	166.6	443.7	14.49	275.7	213.4	175.8	426.8	13.88	270.4
2ATLCS-420A	267.5	180.6	534.9	*	326	258.5	190.3	516.9	*	320.1	249.0	200.8	498.0	*	314.1
3ATLCS-150A	85.4	60.4	170.5	10.96	104.8	82.3	63.7	164.5	10.50	102.9	79	67.4	157.9	9.99	100.8
3ATLCS-180A	106.9	74.8	213.7	14.29	131.2	103.3	78.9	206.4	13.72	128.9	99.4	83.5	198.7	13.14	126.4
3ATLCS-210A	123.2	88.6	246.2	11.43	151.8	118.6	93.4	237.0	10.25	148.8	113.8	98.5	227.5	9.06	145.6
3ATLCS-240A	142.9	99.7	285.7	11.93	175.2	137.2	106	274.2	10.45	171.2	131.6	110.6	262.9	8.99	167.4
3ATLCS-270A	164.5	114.7	328.9	14.52	201.6	158.5	120.9	316.8	13.89	197.7	152.6	127.7	304.9	13.29	193.7
3ATLCS-330A	205.6	140.8	411.2	12.14	251.2	198.7	148.5	397.2	10.94	246.7	191.8	157.3	383.5	9.76	242.8
3ATLCS-375A	234.4	160.6	468.7	*	286.4	226.6	169.5	453.0	*	281.4	218.5	179.2	436.9	*	276.6
3ATLCS-420A	270.4	183.4	540.7	*	329.8	261.4	193.5	522.6	*	324.2	252.2	204.7	504.2	*	318.5
4ATLCS-200A	113.8	80.5	227.4	15.34	139.8	109.7	84.9	219.4	14.72	137.2	105.3	89.7	210.5	14.04	134.3
4ATLCS-240A	142.4	99.7	284.9	15.66	174.8	137.7	105.4	275.4	14.29	171.8	132.4	111.4	264.9	12.80	168.5
4ATLCS-280A	164.2	119	328.2	17.39	202.4	158.2	124.5	316.2	15.84	198.4	151.7	131.4	303.4	14.19	194.2
4ATLCS-320A	190.4	132.8	380.9	10.17	233.5	182.9	140	365.7	9.27	228.3	175.3	147.3	350.5	8.38	223
4ATLCS-360A	219.2	152.8	438.5	14.82	268.8	211.3	161.3	422.5	14.20	263.6	203.3	171	406.5	13.59	258.4
4ATLCS-440A	274.0	187.6	548.0	15.42	334.8	264.8	198	529.7	14.82	329.5	255.9	209.9	512.2	14.14	323.7
4ATLCS-500A	312.4	214	624.8	15.85	381.8	302.0	226	604.0	14.48	375.3	291.2	238.8	582.4	12.99	368.7
4ATLCS-560A	360.4	244.4	720.8	17.57	439.6	348.4	258	696.8	16.03	432.0	336.0	272.8	672.0	14.38	424.5

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NOTE:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 42°F (cont.)

Refrigerant=R134a MVR=I

Model	Condensing Temperature														
	125°F				130°F				135°F						
	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	25.5	23.8	50.7	1.35	33.2	24.3	25.2	48.5	1.19	32.4	23.2	26.6	46.3	1.03	31.8
1ATLCS-60A	31.9	29.5	63.8	2.28	41.4	30.5	31.2	60.9	2.08	40.6	29.2	33	58.2	1.88	39.8
1ATLCS-70A	36.4	34.8	72.7	1.05	47.5	34.7	36.7	69.4	0.75	46.6	33.0	38.8	66.0	0.43	45.6
1ATLCS-80A	41.9	38.9	83.7	2.37	54.6	39.9	41	79.9	2.02	53.4	38	43.4	75.9	1.63	51.9
1ATLCS-90A	48.9	45	97.7	3.67	63.4	46.7	47.4	93.4	3.27	62.2	44.7	50.4	89.2	2.87	60.9
1ATLCS-110A	61.6	55.5	123.0	4.34	79.5	59.0	58.7	118.0	3.90	78.0	56.5	62.2	113.0	3.46	76.7
1ATLCS-125A	70.1	63.2	140.2	5.68	90.5	67.2	66.9	134.5	5.09	89	64.4	70.9	128.7	4.49	87.4
1ATLCS-140A	81	72.2	161.9	4.69	104.3	77.6	76.4	155.2	4.09	102.4	74.3	81	148.6	3.49	100.6
1ATLCS-180A	102.3	91.4	204.4	*	131.8	98.3	96.6	196.6	*	129.7	94.5	102.5	188.9	*	127.7
1ATLCS-210A	119.8	106.2	239.2	*	154.0	114.7	112.2	229.4	*	151.2	109.8	118.7	219.5	*	148.2
2ATLCS-100A	50.7	47.5	101.4	2.41	66.2	48.5	50.2	96.8	2.02	64.7	46.2	53	92.4	1.63	63.4
2ATLCS-120A	63.7	58.8	127.4	4.33	82.8	60.9	62.2	121.6	3.74	81.2	58.2	65.8	116.0	3.16	79.4
2ATLCS-140A	72.7	69.4	145.4	3.19	95.2	69.5	73.4	138.8	2.61	93.2	66.2	77.6	132.0	2.00	91.2
2ATLCS-160A	83.7	77.6	167.4	7.33	108.9	79.9	82	159.6	6.43	106.6	75.8	86.4	151.6	5.49	103.9
2ATLCS-180A	97.8	89.8	195.4	12.88	126.8	93.5	94.9	186.8	12.21	124.1	89.0	100.4	178.0	11.54	121.6
2ATLCS-220A	123.2	110.8	246.2	8.84	159	118.2	117.5	236.0	7.53	156.1	113.0	124.4	226.0	6.25	153.4
2ATLCS-250A	140.2	126.2	280.2	7.22	181	134.5	133.9	268.8	8.75	177.8	128.6	141.8	257.2	7.26	174.8
2ATLCS-280A	161.9	144.2	323.8	7.94	208.6	155.3	152.9	310.4	6.46	204.7	148.6	162	297.2	4.99	201.2
2ATLCS-360A	204.6	182.6	408.9	13.27	263.7	196.7	193.2	393.2	12.61	259.2	188.8	204.8	377.6	11.94	255.3
2ATLCS-420A	239.4	212.2	478.5	*	308.2	229.5	224.5	458.8	*	302.1	219.4	237.2	438.8	*	296.4
3ATLCS-150A	76	71.2	151.8	9.53	99	72.7	75.3	145.3	9.01	97.2	69.4	79.5	138.7	8.50	95.2
3ATLCS-180A	95.6	88.2	190.9	12.54	124.2	91.4	93.4	182.6	11.88	121.6	87.2	98.8	174.2	11.25	119.2
3ATLCS-210A	108.9	104.2	217.8	7.84	142.7	104.2	110.1	208.2	6.53	139.9	99.2	116.5	198.0	5.25	136.8
3ATLCS-240A	125.4	116.4	250.8	7.44	163.1	119.8	124	239.5	5.98	159.7	113.8	129.7	227.5	4.44	155.8
3ATLCS-270A	146.4	134.7	292.8	12.68	190.4	140.3	142.4	280.4	12.04	186.3	133.6	150.7	267.2	11.35	182.4
3ATLCS-330A	184.5	166.4	369.2	8.54	238.6	177.0	176.2	354.2	7.24	234.1	169.5	186.6	339.0	5.95	230.0
3ATLCS-375A	210.0	189.4	420.2	*	271.6	201.7	200.8	403.4	*	266.7	193	212.7	385.8	*	261.8
3ATLCS-420A	242.7	216.4	485.5	*	312.9	232.9	229.3	465.7	*	307.1	223	244	445.8	*	301.7
4ATLCS-200A	101.4	94.9	202.5	13.42	132	96.9	100.9	193.7	12.75	129.5	92.5	107	184.9	12.07	126.9
4ATLCS-240A	127.2	117.6	254.4	11.30	165.3	121.6	124.4	243.2	9.69	161.9	116.0	131.6	232.0	8.09	158.8
4ATLCS-280A	145.2	138.8	290.4	12.53	190.2	138.8	146.8	277.6	10.89	186.4	132.0	155.2	264.0	9.14	182.3
4ATLCS-320A	167.3	155.3	334.5	7.44	217.6	159.7	165	319.4	6.54	212.9	151.7	172.9	303.3	5.60	207.8
4ATLCS-360A	195.2	179.6	390.4	12.96	253.4	186.8	189.6	373.6	12.31	248.3	178.0	200.8	356.0	11.64	243.2
4ATLCS-440A	246.2	221.7	492.2	13.52	317.9	236.2	234.9	472.2	12.85	312.2	226.2	248.9	452.2	12.17	306.7
4ATLCS-500A	280.2	252.5	560.2	11.52	361.9	268.9	267.7	537.7	9.90	355.6	257.3	283.7	514.5	8.32	349.2
4ATLCS-560A	323.7	288.5	647.4	12.75	417.2	310.5	305.7	620.9	11.09	409.6	297.3	325	594.5	9.36	402.5

Note:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 42°F (cont.)

Model	Condensing Temperature									
	140°F					145°F				
	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	22	28.2	43.9	0.86	31.2	20.8	29.8	41.5	0.69	30.4
1ATLCS-60A	27.6	34.9	55.2	1.66	38.9	26.2	36.9	52.2	1.45	38
1ATLCS-70A	31.4	41.2	62.7	0.12	44.7	29.7	43.6	59.3	1	43.8
1ATLCS-80A	36	45.9	71.8	1.26	50.7	33.9	48.3	67.8	0.88	49.7
1ATLCS-90A	42.6	53	84.9	2.48	59.8	40.4	56.2	80.6	2.067	58.6
1ATLCS-110A	53.9	66	107.9	3.02	75.4	51.2	70	102.5	2.54	74
1ATLCS-125A	61.4	75.3	122.9	3.88	85.9	58.5	79.9	116.9	3.25	84.4
1ATLCS-140A	70.9	85.9	141.8	2.88	98.8	67.6	91.4	135.2	2.28	97.2
1ATLCS-180A	89.10	109.9	178.2	*	124.8	84.5	116.1	168.9	*	122.2
1ATLCS-210A	104.60	125.4	209.2	*	145.3	99.6	132.6	199.2	*	142.6
2ATLCS-100A	43.9	56.4	87.7	1.22	62.2	41.5	59.5	82.9	0.79	60.8
2ATLCS-120A	55.2	69.7	110.2	2.53	77.7	52.2	73.8	104.2	1.90	76
2ATLCS-140A	62.7	82.4	125.3	1.39	89.5	59.5	87	118.5	0.78	87.5
2ATLCS-160A	72	91.5	143.8	4.57	101.7	68	96.7	135.7	3.62	99.2
2ATLCS-180A	85	108	169.8	10.92	119.4	80.7	112.4	160.9	10.22	116.9
2ATLCS-220A	108	133	215.7	4.92	150.7	102.6	142	204.9	3.54	147.9
2ATLCS-250A	123	150.7	245.7	2.78	171.7	116.9	159.6	233.8	4.22	168.5
2ATLCS-280A	142	172	283.8	3.50	197.6	135.2	182.4	270.2	1.97	194.1
2ATLCS-360A	178.5	220	356.6	11.32	249.6	168.9	232.2	337.7	10.62	244.1
2ATLCS-420A	209.5	251	418.6	*	290.7	199.2	265.2	398.2	*	285.2
3ATLCS-150A	65.8	84.4	131.5	7.96	93.2	62.2	89.2	124.3	7.40	91.2
3ATLCS-180A	82.6	104.6	165.2	10.54	116.4	78.2	110.6	156.2	9.85	113.9
3ATLCS-210A	93.9	123.4	187.9	3.91	134	88.9	130.6	177.7	2.53	131.2
3ATLCS-240A	107.8	137.2	215.5	2.89	152.2	101.8	145	203.6	1.35	148.8
3ATLCS-270A	127.3	159	254.6	10.70	178.8	120.8	168.5	241.4	10.02	175.4
3ATLCS-330A	161.8	199	323.5	4.62	226	153.7	211	307.4	3.24	221.7
3ATLCS-375A	184.4	225.7	368.5	*	257.4	175.4	239.5	350.5	*	252.9
3ATLCS-420A	212.8	257.8	425.5	*	296.3	202.6	273.7	405.2	*	291.3
4ATLCS-200A	87.8	112.6	175.4	11.34	124.2	82.9	118.9	165.7	10.59	121.4
4ATLCS-240A	110.2	139.4	220.2	6.38	155.2	104.2	147.3	208.2	4.66	151.8
4ATLCS-280A	125.3	164.5	250.5	7.40	178.6	118.6	175	236.8	5.64	174.8
4ATLCS-320A	143.7	182.9	287.3	4.66	202.9	135.6	193.2	271.2	3.71	198.2
4ATLCS-360A	169.7	213	339.3	11	238.4	160.9	224.5	321.7	10.32	233.5
4ATLCS-440A	215.7	265	431.4	11.44	301.4	204.9	280	409.6	10.68	295.6
4ATLCS-500A	245.7	300.9	491.3	6.58	343.2	233.7	319.3	467.3	4.86	337.2
4ATLCS-560A	283.6	343.6	567.4	7.60	395.2	270.2	364.9	540.2	5.85	388.2

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

QC: Condenser Total Heat Rejection

P.D.: Water Pressure Drop (Ft.W.G.)

W.F.D : Water Flow Data

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 44°F

Model	Condensing Temperature														
	110°F				115°F				120°F						
	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	29.8	20.3	59.5	1.98	36.3	28.7	21.5	57.3	1.82	35.6	27.7	22.7	55.3	1.68	35
1ATLCS-60A	37.3	25.2	74.5	3.05	45.4	36	26.5	71.8	2.86	44.6	34.7	28	69.3	2.68	43.8
1ATLCS-70A	43.2	29.8	86.2	2.34	52.7	41.5	31.3	82.9	2.03	51.6	39.9	33.2	79.7	1.73	50.6
1ATLCS-80A	49.9	33.6	99.7	3.86	60.8	48	35.4	95.9	3.52	59.4	46	37.2	91.9	3.14	57.9
1ATLCS-90A	57.4	38.6	114.7	5.26	69.8	55.4	40.6	110.6	4.89	68.6	53.4	42.9	106.7	4.52	67.3
1ATLCS-110A	71.7	47.4	143.3	6.14	87	69.5	49.9	138.4	5.71	85.4	66.8	52.7	133.6	5.28	83.9
1ATLCS-125A	81.7	53.9	163.3	8.12	99.2	79	56.8	157.8	7.55	97.4	76.2	60	152.3	6.97	95.6
1ATLCS-140A	94.4	61.6	188.5	7.09	114.2	91.2	64.9	182.2	6.53	112.1	88	68.7	175.8	5.96	110.1
1ATLCS-180A	120.4	79.4	240.5	*	146	116.02	83.8	232.2	*	143.2	111.8	88.5	223.5	*	140.5
1ATLCS-210A	139.9	90.8	279.7	*	169.3	135.12	95.7	270.4	*	166.2	130.4	101	260.7	*	163.1
2ATLCS-100A	59.5	40.5	118.8	3.98	72.6	57.3	42.9	114.5	3.58	71.1	55.4	45.2	110.5	3.23	69.9
2ATLCS-120A	74.5	50.4	148.8	6.62	90.8	71.9	53	143.6	6.06	89.2	69.4	56	138.5	5.52	87.5
2ATLCS-140A	86.2	59.5	172.0	5.62	105.4	82.9	62.6	165.7	5.03	103.2	79.7	66.4	159.4	4.46	101.2
2ATLCS-160A	99.6	67	199.2	11.09	121.4	95.9	70.4	191.7	10.22	118.7	91.9	74.4	183.7	9.26	115.9
2ATLCS-180A	114.7	77	229.2	15.49	139.8	110.7	81.3	221.3	14.87	136.9	106.7	85.8	213.3	14.25	134.4
2ATLCS-220A	143.4	94.7	286.4	14.03	174	138.5	99.9	276.9	12.79	170.8	133.7	105.5	267.3	11.56	167.8
2ATLCS-250A	163.2	107.9	326.5	13.18	198.2	157.9	113.7	315.7	14.79	194.7	152.3	120	304.4	13.36	191.2
2ATLCS-280A	188.6	124	377	13.85	228.5	182.3	129.9	364.5	12.47	224.4	175.9	137.3	351.6	11.06	220.4
2ATLCS-360A	240.5	158.8	481	15.89	291.9	232.2	167.5	464.2	15.27	286.4	223.5	176.9	446.9	14.65	280.8
2ATLCS-420A	279.7	181.6	559.7	*	338.5	270.3	191.5	540.5	*	332.4	260.7	203	521.3	*	326.3
3ATLCS-150A	89.2	60.7	178.4	11.56	108.8	85.9	64.3	171.7	11.05	106.7	82.9	67.9	165.7	10.59	104.9
3ATLCS-180A	111.7	75.4	223.4	15.01	136.0	107.7	79.5	215.4	14.41	133.5	103.8	84	207.7	13.82	131.2
3ATLCS-210A	129.2	89.2	258.2	13.02	157.9	124.2	93.9	248.5	11.79	154.7	119.5	99.4	238.9	10.55	151.7
3ATLCS-240A	149.7	100.7	299	13.62	182.2	143.8	105.7	287.5	12.16	177.9	137.8	111.4	275.5	10.61	173.9
3ATLCS-270A	172	115.6	343.9	15.29	209.4	166	121.9	331.9	14.67	205.5	160	128.5	319.9	14.05	201.6
3ATLCS-330A	215	143	429.8	13.73	260.8	207.6	149.7	415.2	12.48	256.1	200.4	158.1	400.8	11.25	251.6
3ATLCS-375A	245	161.8	489.8	*	297.3	236.8	170.4	473.4	*	291.9	228.3	180	456.6	*	286.6
3ATLCS-420A	282.8	184.6	565.4	*	342.5	273.4	194.7	546.6	*	336.4	263.7	205.8	527.4	*	330.4
4ATLCS-200A	118.8	80.9	237.6	16.12	145.0	114.4	85.6	228.8	15.45	142.1	110.4	90.4	220.8	14.83	139.7
4ATLCS-240A	148.9	100.5	297.6	17.50	181.4	143.6	106	287.2	16.00	178.0	138.4	112	276.8	14.51	174.7
4ATLCS-280A	172.1	118.9	344.2	19.44	210.6	165.7	125.3	331.2	17.78	206.2	159.2	132.4	318.4	16.14	202.1
4ATLCS-320A	199.3	134	398.6	11.19	242.7	191.7	140.9	383.2	10.30	237.2	183.6	148.4	367.2	9.36	231.7
4ATLCS-360A	229.3	154	458.6	15.59	279.2	221.3	162.4	442.6	14.96	273.8	213.2	171.2	426.4	14.35	268.8
4ATLCS-440A	286.5	189.2	572.9	16.23	347.8	276.9	199.6	553.7	15.55	341.5	267.2	210.8	534.5	14.94	335.5
4ATLCS-500A	326.5	215.6	652.9	17.69	396.4	315.7	227.2	631.3	16.20	389.2	304.4	240	608.9	14.72	382.3
4ATLCS-560A	376.9	246	753.7	19.64	456.6	364.5	259.6	728.9	17.99	448.6	351.7	274.7	703.4	16.36	440.6

Note:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 44°F (cont.)

Model	Condensing Temperature														
	125°F				130°F				135°F						
	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	26.7	23.9	53.2	1.52	34.2	25.5	25.4	50.9	1.37	33.7	24.3	26.8	48.5	1.19	32.9
1ATLCS-60A	33.4	29.7	66.7	2.49	43	32	31.3	63.8	2.28	42.2	30.6	33.3	61	2.09	41.4
1ATLCS-70A	38.2	35	76.3	1.39	49.5	36.5	36.9	72.8	1.07	48.4	34.7	39	69.5	0.76	47.4
1ATLCS-80A	44	39.2	87.9	2.76	56.7	42	41.2	83.8	2.38	55.3	39.8	43.6	79.7	1.99	53.9
1ATLCS-90A	51.2	45.3	102.3	4.12	65.9	49.2	47.7	98.0	3.70	64.5	46.8	50.5	93.5	3.28	63.1
1ATLCS-110A	64.4	55.8	128.6	4.85	82.5	61.9	59	123.6	4.40	81	59.2	62.5	118.3	3.92	79.5
1ATLCS-125A	73.4	63.7	146.6	6.39	94	70.5	67.2	140.8	5.76	92.2	67.4	71.3	134.9	5.14	90.6
1ATLCS-140A	84.7	72.7	169.3	5.35	108.2	81.4	76.8	162.7	4.77	106.2	78	81.5	155.9	4.15	104.4
1ATLCS-180A	107.4	93.7	214.6	*	137.7	102.82	98.8	205.6	*	134.8	98.22	104.7	196.6	*	132.2
1ATLCS-210A	125.4	106.7	250.6	*	159.9	120.3	112.7	240.4	*	156.8	115.2	119.2	230.2	*	153.7
2ATLCS-100A	53.2	47.9	106.0	2.87	68.7	50.8	50.6	101.7	2.45	67.4	48.5	53.4	96.9	2.02	65.7
2ATLCS-120A	66.8	59.4	133.4	4.97	85.9	63.9	62.6	127.7	4.37	84.1	60.8	66.2	121.6	3.75	82.4
2ATLCS-140A	76.4	69.9	152.5	3.84	98.8	72.9	73.8	145.7	3.22	96.7	69.4	78	138.8	2.61	94.7
2ATLCS-160A	87.9	78.4	175.7	8.31	113.2	83.9	82.4	167.7	7.37	110.5	79.6	87	159.2	6.39	107.8
2ATLCS-180A	102.4	90.5	204.5	13.58	131.5	98.2	95.4	196.2	12.92	128.9	93.4	100.8	186.8	12.21	126.1
2ATLCS-220A	128.7	111.5	257.4	10.27	164.7	123.7	118	247.4	8.97	161.8	118.2	125	236.4	7.58	158.7
2ATLCS-250A	146.7	128	293.5	8.92	188	141	134.5	281.8	10.42	184.5	134.9	142.7	269.7	8.87	181.0
2ATLCS-280A	169.3	146	338.6	9.58	216.3	162.8	153.7	325.5	8.11	212.5	155.9	162.9	311.7	6.60	208.7
2ATLCS-360A	214.7	188	429.4	13.98	275.4	205.8	197.7	411.5	13.35	269.8	196.5	210	392.9	12.62	264.2
2ATLCS-420A	250.8	213.4	501.5	*	319.9	240.6	225.5	481	*	313.6	230.2	238.4	460.1	*	307.4
3ATLCS-150A	79.6	71.8	159.2	10.07	102.8	76.3	75.9	152.5	9.56	100.8	72.6	80.1	145.2	9.01	98.6
3ATLCS-180A	99.9	88.9	199.9	13.21	128.8	95.8	93.9	191.5	12.57	126.1	91.2	99.3	182.4	11.87	123.4
3ATLCS-210A	114.4	104.8	228.7	9.27	148.3	109.3	110.7	218.4	7.97	145.2	104.2	117	208.3	6.59	142.2
3ATLCS-240A	131.8	117.4	263.5	9.07	169.8	125.8	123.6	251.4	7.51	165.9	119.5	130.7	238.9	5.89	161.8
3ATLCS-270A	153.4	135.7	306.7	13.38	197.4	147.1	143.1	294.0	12.73	193.5	140.2	151.3	280.3	12.02	189.1
3ATLCS-330A	193	167.2	385.9	9.97	247.2	185.5	177	370.8	8.67	242.8	177.3	187.5	354.6	7.28	238.1
3ATLCS-375A	220	190.6	439.9	*	281.7	211.4	201.6	422.4	*	276.7	202.4	214	404.6	*	271.6
3ATLCS-420A	253.9	217.7	507.7	*	324.4	244	230.4	487.8	*	318.7	233.8	244.3	467.5	*	312.9
4ATLCS-200A	106.2	95.7	212.2	14.16	137.2	101.8	101.4	203.4	13.49	134.5	96.9	106.9	193.7	12.75	131.4
4ATLCS-240A	133.4	118.7	266.6	13.04	171.6	127.6	125.2	255.4	11.42	168.4	121.8	132.5	243.4	9.70	164.5
4ATLCS-280A	152.8	139.8	304.9	14.40	197.7	145.6	147.6	291.2	12.64	193.4	138.8	156	277.6	10.89	189.4
4ATLCS-320A	175.9	156.6	351.5	8.43	226.5	167.6	164.8	335.2	7.47	221.0	159.2	174	318.4	6.49	215.6
4ATLCS-360A	204.8	181	408.9	13.69	263.2	196.0	190.8	392.0	13.02	257.8	186.8	201.6	373.6	12.31	252.1
4ATLCS-440A	257.4	223	514.7	14.28	329.5	247.2	236	494.4	13.58	323.7	236.4	250	472.8	12.84	317.4
4ATLCS-500A	293.6	257	586.7	13.24	375.6	281.6	268.8	563.2	11.61	368.7	269.6	285.2	539.2	9.89	362.0
4ATLCS-560A	338.8	293	676.9	14.62	432.5	325.2	307.2	650.4	12.84	424.8	311.6	325.6	623.2	11.09	417.1

Note:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 44°F (cont.)

REFRIGERANT = R134a MVR=1	Model	Condensing Temperature									
		140°F					145°F				
		QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
		MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	23.2	28.3	46.2	1.02	32.2	21.9	29.9	43.7	0.85	31.6	
1ATLCS-60A	29	35	57.9	1.85	40.2	27.5	37	54.9	1.65	39.5	
1ATLCS-70A	33.2	41.4	66.2	0.43	46.5	31.4	43.8	62.5	0.09	45.5	
1ATLCS-80A	37.9	46	75.7	1.61	52.7	35.7	48.5	71.4	1.22	51.5	
1ATLCS-90A	44.7	53.5	89.2	2.86	61.8	42.3	56.5	84.5	2.44	60.6	
1ATLCS-110A	56.7	66.4	113.2	3.46	78.0	53.8	70.5	107.5	2.97	76.7	
1ATLCS-125A	64.6	75.7	128.9	4.50	88.9	61.4	80.3	122.6	3.86	87.4	
1ATLCS-140A	74.6	86.5	148.9	3.51	102.4	70.8	91.7	141.7	2.87	100.6	
1ATLCS-180A	93.7	110.5	187.2	*	129.3	88.70	116.6	177.4	*	126.5	
1ATLCS-210A	109.9	126	219.7	*	150.7	104.6	133.2	209.2	*	147.8	
2ATLCS-100A	46.2	56.6	92.2	1.62	64.5	43.8	59.9	87.4	1.18	63.2	
2ATLCS-120A	58	70	115.8	3.12	80.6	54.9	74	109.8	2.49	78.9	
2ATLCS-140A	66.2	82.8	132.2	2.02	92.9	62.5	87.5	124.9	1.36	90.8	
2ATLCS-160A	75.8	91.9	151.3	5.45	105.5	71.5	97	142.9	4.47	102.9	
2ATLCS-180A	89.2	106.7	178.2	11.55	123.7	84.6	112.9	168.9	10.84	121.2	
2ATLCS-220A	113.2	132.8	226.2	6.27	156.2	107.5	140.9	214.9	4.82	153.2	
2ATLCS-250A	128.9	151.4	257.8	4.32	177.9	122.7	160.5	245.3	5.73	174.6	
2ATLCS-280A	148.9	172.7	297.7	5.04	204.8	141.7	183.3	283.3	3.44	201.2	
2ATLCS-360A	187.2	220.8	374.0	11.94	258.7	177.5	233.4	354.9	11.25	253.2	
2ATLCS-420A	219.7	251.9	439.3	*	301.5	209.4	266.6	418.4	*	295.3	
3ATLCS-150A	69.3	84.8	138.3	8.48	96.6	65.6	89.8	130.9	7.93	94.7	
3ATLCS-180A	86.9	107	173.6	11.19	120.8	82.4	112	164.6	10.51	118.4	
3ATLCS-210A	99.2	124	198.0	5.28	139.4	93.8	131.3	187.2	3.83	136.3	
3ATLCS-240A	113.6	137.8	227	4.38	158.2	107.3	145.7	214.5	2.75	154.5	
3ATLCS-270A	133.7	160	267.3	11.37	185.5	126.8	169.3	253.5	10.65	181.6	
3ATLCS-330A	169.7	199	339.3	5.98	234.3	161.3	211.4	322.4	4.52	229.9	
3ATLCS-375A	193.4	226.9	386.6	*	266.8	184	240.7	367.9	*	262	
3ATLCS-420A	223.4	259	446.6	*	307.3	212.6	274.9	424.9	*	301.7	
4ATLCS-200A	92.2	112.9	184.2	12.02	128.8	87.4	119.8	174.6	11.28	126.2	
4ATLCS-240A	115.8	140	231.2	7.97	161.2	109.8	149	219.4	6.27	157.8	
4ATLCS-280A	132.2	165.2	264.2	9.15	185.6	124.9	174.9	249.7	7.29	181.6	
4ATLCS-320A	151.4	183.6	302.5	5.55	210.8	142.9	195	285.7	4.57	205.8	
4ATLCS-360A	178.2	213.2	356.0	11.64	247.1	168.8	225.6	337.6	10.94	242	
4ATLCS-440A	226.2	265.4	452.2	12.12	312.2	214.9	281.7	429.7	11.37	306.1	
4ATLCS-500A	257.8	302.4	515.2	8.18	355.6	245.3	320.8	490.5	6.45	349.3	
4ATLCS-560A	297.8	345.2	595.2	9.35	409.6	283.3	366.4	566.5	7.49	402.2	

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

QC: Condenser Total Heat Rejection

P.D.: Water Pressure Drop (Ft.W.G.)

W.F.D : Water Flow Data

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 45°F

Model	Condensing Temperature														
	110°F				115°F				120°F						
	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	30.4	20.4	60.7	2.06	37	29.4	21.6	58.7	1.92	36.4	28.4	22.8	56.4	1.76	35.8
1ATLCS-60A	38.0	25.3	76.2	3.16	46.3	36.9	26.7	73.7	2.99	45.5	35.5	28.2	70.9	2.79	44.6
1ATLCS-70A	44.2	29.9	88.4	2.53	53.9	42.7	31.7	85	2.23	52.8	40.9	33.4	81.5	1.92	51.7
1ATLCS-80A	51.2	33.7	102.2	4.08	61.9	49.1	35.4	98.2	3.72	60.8	47.3	37.5	94.4	3.35	59.4
1ATLCS-90A	58.8	38.7	117.6	5.52	71.2	56.6	40.7	113.2	5.14	69.9	54.7	43	109.2	4.74	68.5
1ATLCS-110A	73.4	47.6	146.5	6.42	88.6	70.8	50	141.6	5.99	87.0	68.3	52.8	136.6	5.55	85.5
1ATLCS-125A	83.5	54.2	166.9	8.50	100.9	80.7	57	161.4	7.93	99.2	77.8	60.2	155.6	7.32	97.3
1ATLCS-140A	96.4	61.8	192.7	7.47	116.3	93.1	65.1	186.2	6.89	114.2	89.9	68.8	179.8	6.31	112.2
1ATLCS-180A	123	79.7	245.9	*	148.7	118.70	83.9	237.4	*	145.9	114.3	88.6	228.6	*	143.0
1ATLCS-210A	143	91	285.9	*	172.6	138.22	95.9	276.5	*	169.4	133.4	101.3	266.8	*	166.2
2ATLCS-100A	60.7	40.6	121.3	4.18	73.9	58.7	43	117.3	3.83	72.6	56.5	45.4	112.8	3.44	71.1
2ATLCS-120A	76.2	50.6	152.0	6.95	92.4	73.7	53.2	147.3	6.45	90.9	70.9	56.2	141.7	5.85	89.2
2ATLCS-140A	88.2	59.6	176.2	5.98	107.4	84.9	62.9	169.7	5.40	105.3	81.5	66.5	162.9	4.79	103
2ATLCS-160A	102.2	67.5	204.4	11.68	123.9	98.4	70.9	196.5	10.77	121.2	94.2	74.5	188.2	9.78	118.2
2ATLCS-180A	117.5	77.5	234.9	15.92	142.6	113.2	81.4	226.4	15.26	139.6	109.0	86	218.0	14.61	136.9
2ATLCS-220A	146.5	94.9	292.9	14.85	177.2	141.6	100	283.2	13.61	174.0	136.6	105.6	273.2	12.32	170.8
2ATLCS-250A	166.9	108.3	333.7	14.10	202	161.5	114	322.9	15.72	198.5	155.7	120.5	311.4	14.21	194.6
2ATLCS-280A	192.7	123.5	385.4	14.78	232.7	186.3	130.3	372.5	13.36	228.5	179.9	137.7	359.6	11.93	224.4
2ATLCS-360A	245.9	159	491.7	16.32	297.4	237.5	167.9	474.9	15.67	291.9	228.7	177.2	457.2	15.01	286.0
2ATLCS-420A	285.9	183	571.7	*	344.9	276.5	191.9	552.9	*	338.7	266.7	202.4	533.2	*	332.2
3ATLCS-150A	91	61	181.9	11.84	110.7	88	64.6	175.9	11.38	108.9	84.7	68.2	169.3	10.87	106.8
3ATLCS-180A	114.2	75.7	228.2	15.39	138.6	110.5	79.9	220.9	14.84	136.4	106.2	84.4	212.5	14.19	133.6
3ATLCS-210A	132.2	89.5	264.2	13.85	161.2	127.4	94.4	254.5	12.62	157.8	122.2	99.8	244.4	11.34	154.4
3ATLCS-240A	153.2	100.9	306.2	14.55	185.8	147.4	106.4	294.8	13.08	181.8	141.2	111.8	282.2	11.47	177.2
3ATLCS-270A	176.2	116.2	352.4	15.72	213.8	169.9	122.3	339.7	15.07	209.5	163.8	129	327.2	14.42	205.3
3ATLCS-330A	219.7	142.4	439.4	14.54	265.7	212.5	150	424.9	13.32	261.2	205	158.5	409.9	12.04	256.2
3ATLCS-375A	250.4	162.4	500.7	*	302.9	242.2	171	484.3	*	297.6	233.5	180.8	466.9	*	291.9
3ATLCS-420A	289	185.2	577.9	*	349	279.4	195.4	558.7	*	342.7	269.8	206.6	539.6	*	336.8
4ATLCS-200A	121.4	81.4	242.6	16.50	147.6	117.4	86	234.5	15.89	145.3	112.9	90.9	225.7	15.22	142.4
4ATLCS-240A	152.2	100.9	304.2	18.42	184.8	147.2	106.5	294.5	17.04	181.9	141.8	112.7	283.5	15.44	178.2
4ATLCS-280A	176.2	119.2	352.0	20.46	214.7	169.6	125.6	339.2	18.81	210.4	162.8	132.9	325.7	17.06	205.8
4ATLCS-320A	204.2	134.5	408.2	11.77	247.7	196.4	141.6	392.8	10.86	242.4	188.2	148.9	376.2	9.88	236.3
4ATLCS-360A	234.9	154.9	469.7	16.02	285.2	226.4	162.8	452.8	15.36	279.4	218.2	172	436.2	14.72	273.8
4ATLCS-440A	292.9	189.7	585.8	16.59	354.4	283.3	201	566.4	15.98	348.2	273.3	211.2	546.5	15.32	341.8
4ATLCS-500A	333.7	216.5	667.4	18.62	403.8	322.9	228	645.6	17.23	396.8	311.3	240.8	622.5	15.64	389.4
4ATLCS-560A	385.3	246.9	770.5	20.67	465.3	372.5	260.4	744.9	19.01	456.9	359.7	275.2	719.4	17.27	448.9

Note:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 45°F (cont.)

Model	Condensing Temperature														
	125°F				130°F				135°F						
	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	27.2	24	54.3	1.62	35	26.2	25.4	52.2	1.45	34.3	24.9	26.9	49.7	1.28	33.6
1ATLCS-60A	34.2	29.8	68.2	2.59	43.7	32.7	31.5	65.4	2.39	42.9	31.2	33.3	62.3	2.18	42
1ATLCS-70A	39.2	35	78.0	1.57	50.4	37.4	37	74.7	1.25	49.4	35.7	39.2	71.3	0.93	48.4
1ATLCS-80A	45.2	39.4	90.2	2.97	57.8	42.9	41.5	85.9	2.57	56.4	40.9	43.7	81.7	2.18	54.9
1ATLCS-90A	52.4	45.3	104.8	4.34	67.1	50.2	47.9	100.3	3.92	65.7	48	50.7	95.9	3.50	64.4
1ATLCS-110A	65.9	56	131.6	5.12	84	63.4	59.2	126.4	4.64	82.5	60.6	62.7	121.2	4.17	80.8
1ATLCS-125A	75.2	63.8	150.0	6.74	95.7	72.3	67.4	144.2	6.12	93.9	69.0	71.4	138.2	5.47	92.2
1ATLCS-140A	86.7	72.7	173.2	5.73	110.3	83.2	77	166.4	5.10	108.2	79.7	81.6	159.4	4.47	106.2
1ATLCS-180A	109.9	93.8	219.6	*	140.2	105.32	99.1	210.6	*	137.5	100.62	104.8	201.2	*	134.6
1ATLCS-210A	128.3	107	256.4	*	162.9	123.02	113	246.2	*	159.7	117.82	119.5	235.6	*	156.6
2ATLCS-100A	54.4	48	108.5	3.05	69.8	52.0	50.6	104.0	2.66	68.4	49.7	53.6	99.2	2.23	67.0
2ATLCS-120A	68.2	59.5	136.2	5.26	87.4	65.3	62.9	130.4	4.67	85.6	62.4	66.4	124.5	4.05	83.8
2ATLCS-140A	78.2	70	156.2	4.17	100.8	74.8	74	149.3	3.56	98.7	71.4	78.3	142.4	2.94	96.6
2ATLCS-160A	90.2	78.5	180.2	8.83	115.5	85.9	82.9	171.7	7.84	112.7	81.7	87.3	163.2	6.86	109.9
2ATLCS-180A	104.9	90.7	209.8	13.98	134.3	100.4	95.9	200.5	13.27	131.4	95.9	101.3	191.6	12.59	128.7
2ATLCS-220A	131.7	111.9	263.4	11.03	167.9	126.5	118.5	252.9	9.70	164.9	121.2	125.5	242.0	8.32	161.8
2ATLCS-250A	150.2	127.5	300.2	9.78	191.4	144.2	134.9	288.2	11.23	187.8	138.2	142.9	276.0	9.68	184.4
2ATLCS-280A	173.3	145.5	346.5	10.47	220.4	166.5	154	332.9	8.96	216.4	159.6	163.3	318.8	7.39	212.4
2ATLCS-360A	219.7	187.5	439.4	14.38	280.4	210.7	198.3	421.4	13.67	274.9	201.3	209.5	402.4	12.98	269.2
2ATLCS-420A	256.5	213.9	512.9	*	325.8	246.2	225.9	492.2	*	319.3	235.7	238.9	471.2	*	313.2
3ATLCS-150A	81.3	72	162.7	10.37	104.7	78.2	76	156.0	9.85	102.7	74.5	80.5	148.9	9.30	100.6
3ATLCS-180A	102.2	89.2	204.2	13.55	131	97.9	94.4	195.6	12.90	128.4	93.4	99.7	186.8	12.20	125.7
3ATLCS-210A	117.2	106	234.2	10.04	151.2	112	112	223.8	8.70	148	106.9	117.4	213.7	7.30	144.9
3ATLCS-240A	135.2	117.7	270.2	9.92	173.2	128.7	124.4	257.4	8.30	169.2	122.5	130.9	244.9	6.66	164.9
3ATLCS-270A	157.4	136	314.5	13.78	201.4	150.4	143.8	300.6	13.07	197	143.8	151.9	287.5	12.38	193
3ATLCS-330A	197.6	167.8	394.9	10.74	251.9	189.7	177.7	379.2	9.40	247.4	181.7	188.2	363.2	8.00	242.6
3ATLCS-375A	225.2	191.2	450.2	*	287	216.2	202.4	432.0	*	281.7	207.2	214.3	414.2	*	276.6
3ATLCS-420A	259.9	218.2	519.7	*	330.7	249.7	232	499.2	*	324.7	239.2	244.9	478.3	*	318.6
4ATLCS-200A	108.5	96	216.9	14.53	139.6	104.2	101.3	208.2	13.85	136.9	99.4	107.4	198.5	13.12	133.9
4ATLCS-240A	136.2	118.9	272.2	13.83	174.6	130.6	125.7	260.9	12.22	171.2	124.5	132.9	248.9	10.50	167.5
4ATLCS-280A	156.2	141	312.2	15.32	201.5	149.4	148	298.5	13.57	197.3	142.5	156.5	284.9	11.82	193.3
4ATLCS-320A	180.2	156.9	360.2	8.94	230.9	171.8	165.7	343.3	7.95	225.5	163.3	174.5	326.6	6.97	219.8
4ATLCS-360A	209.8	181.4	419.4	14.08	268.4	200.5	191.7	400.9	13.37	262.6	191.8	202.5	383.4	12.69	257.2
4ATLCS-440A	263.4	223.7	526.6	14.63	335.8	252.9	236.9	505.7	13.95	329.7	242.2	250.9	484.2	13.22	323.4
4ATLCS-500A	300.2	254.9	600.2	14.03	382.7	288.2	269.7	576.2	12.42	375.5	276.2	285.8	552.2	10.70	368.7
4ATLCS-560A	346.6	290.9	692.9	15.52	440.8	332.9	308	665.7	13.77	432.7	318.9	326.6	637.7	12.02	424.6

NOTE:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 45°F (cont.)

Model	Condensing Temperature									
	140°F					145°F				
	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	23.7	28.4	47.4	1.10	32.9	22.4	29.9	44.8	0.92	32.2
1ATLCS-60A	29.7	35.4	59.4	1.96	41.2	28.2	37.3	56.2	1.74	40.2
1ATLCS-70A	33.9	41.5	67.7	0.59	47.4	32.2	43.9	64.2	0.26	46.3
1ATLCS-80A	38.8	46	77.6	1.79	53.8	36.7	48.7	73.4	1.40	52.5
1ATLCS-90A	45.7	53.7	91.5	3.08	63	43.3	56.7	86.5	2.64	61.6
1ATLCS-110A	57.9	66.7	115.7	3.69	79.5	55.2	70.7	110.2	3.20	78
1ATLCS-125A	66	75.9	132	4.83	90.6	62.8	80.6	125.5	4.16	88.8
1ATLCS-140A	76.2	86.7	152.4	3.83	104.2	72.7	91.9	145.2	3.18	102.6
1ATLCS-180A	95.9	110.8	191.7	*	131.8	90.92	117	181.9	*	128.9
1ATLCS-210A	112.5	126.4	224.9	*	153.4	107.02	133.5	214.2	*	150.2
2ATLCS-100A	47.4	56.7	94.5	1.82	65.6	44.7	59.9	89.3	1.36	64.2
2ATLCS-120A	59.4	70.5	118.5	3.42	82.2	56.2	74.5	112.2	2.74	80.2
2ATLCS-140A	67.8	82.9	135.3	2.29	94.6	64.2	87.7	128.2	1.65	92.5
2ATLCS-160A	77.7	93	154.9	5.87	107.4	73.4	97.4	146.5	4.89	104.8
2ATLCS-180A	91.5	108	182.5	11.88	126	86.5	114	172.9	11.14	123.2
2ATLCS-220A	115.8	134	231.3	6.92	158.8	110.2	142	220.2	5.48	155.8
2ATLCS-250A	131.9	151.7	263.7	5.09	181	125.6	160.9	250.8	6.45	177.7
2ATLCS-280A	152.3	174	304.5	5.79	208.4	145.2	183.7	290.0	4.20	204.7
2ATLCS-360A	191.6	221.5	383.3	12.27	263.5	181.9	233.9	363.6	11.54	257.7
2ATLCS-420A	224.9	252.5	449.6	*	306.7	214.2	266.9	428.0	*	300.7
3ATLCS-150A	70.9	84.9	141.7	8.74	98.4	67	89.8	133.9	8.14	96.2
3ATLCS-180A	88.9	105.6	177.7	11.52	123.2	84.2	111.7	168.2	10.78	120.2
3ATLCS-210A	101.5	124.3	202.9	5.92	141.8	96.2	131.5	192.2	4.47	138.6
3ATLCS-240A	116.2	139	232.3	5.05	160.9	109.9	145.9	219.7	3.44	157.2
3ATLCS-270A	136.9	160.6	273.7	11.68	188.9	129.7	169.6	259.4	10.94	184.6
3ATLCS-330A	173.4	199.6	346.9	6.62	238.2	165.2	211.6	330.2	5.17	233.6
3ATLCS-375A	197.8	227.5	395.5	*	271.6	188.2	241.3	376.4	*	266.4
3ATLCS-420A	228.4	259.6	456.7	*	312.6	217.6	275.5	435.2	*	306.9
4ATLCS-200A	94.5	113.4	188.9	12.38	131.2	89.2	119.7	178.5	11.57	128.0
4ATLCS-240A	118.5	140.9	236.9	8.78	164.2	112.0	148.6	224.2	6.94	160.2
4ATLCS-280A	135.3	165.9	270.5	9.97	189	128.0	175.4	256.2	8.12	184.8
4ATLCS-320A	154.9	185	309.7	5.98	214.5	146.4	194.6	292.9	4.99	209.5
4ATLCS-360A	182.5	215	364.9	11.98	251.8	172.8	227	345.8	11.24	246.2
4ATLCS-440A	231.3	267	462.5	12.48	317.5	220.0	282	440.2	11.68	311.5
4ATLCS-500A	263.7	303.4	527.4	8.98	362	250.9	321.7	501.8	7.15	355.2
4ATLCS-560A	304.5	347	608.9	10.17	416.7	290.2	367.3	580.0	8.32	409.2

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

QC: Condenser Total Heat Rejection

P.D.: Water Pressure Drop (Ft.W.G.)

W.F.D : Water Flow Data

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 46°F

Model	Condensing Temperature														
	110°F				115°F				120°F						
	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	31.4	20.5	62.2	2.16	37.7	29.9	21.6	59.9	2.02	37	28.9	22.8	57.8	1.87	36.4
1ATLCS-60A	39	25.4	77.9	3.29	47.2	37.7	26.8	75.3	3.12	46.4	36.2	28.2	72.4	2.92	45.4
1ATLCS-70A	45.2	30	90.2	2.72	54.8	43.5	31.8	86.9	2.42	53.7	41.7	33.3	83.4	2.07	52.5
1ATLCS-80A	52.4	33.9	104.5	4.30	63.3	50.3	35.5	100.5	3.93	61.8	48.2	37.4	96.4	3.57	60.4
1ATLCS-90A	60.2	38.9	120.2	5.77	72.6	57.9	40.9	115.9	5.37	71.3	55.8	43.1	111.7	4.98	69.8
1ATLCS-110A	74.9	47.7	149.7	6.70	90.2	72.4	51	144.78	6.27	88.7	69.8	53	139.7	5.81	87.2
1ATLCS-125A	85.4	54.4	170.5	8.89	102.8	82.5	57.4	164.9	8.29	101	79.6	60.5	159.3	7.70	99.3
1ATLCS-140A	98.5	62	196.9	7.86	118.5	95.4	65.4	190.5	7.27	116.6	91.9	69	183.9	6.67	114.4
1ATLCS-180A	125.7	79.8	251.4	*	151.4	121.32	84.2	242.7	*	148.7	117	88.9	233.9	*	145.8
1ATLCS-210A	146.2	91.4	292.4	*	175.7	141.32	96.4	282.7	*	172.6	136.4	101.6	272.7	*	169.4
2ATLCS-100A	62.2	40.8	124.2	4.44	75.2	59.8	43	119.7	4.05	73.8	57.9	45.7	115.7	3.72	72.6
2ATLCS-120A	77.9	50.7	155.7	7.32	94.4	75.3	53.4	150.5	6.79	92.7	72.5	56.4	144.9	6.19	90.8
2ATLCS-140A	90.2	60	180.2	6.34	109.5	86.9	63.3	173.7	5.76	107.5	83.5	66.7	166.9	5.14	105.2
2ATLCS-160A	104.5	67.7	208.9	12.25	126.5	100.5	71	200.9	11.29	123.5	96.5	74.9	192.9	10.34	120.7
2ATLCS-180A	120.2	77.7	240.2	16.34	145.4	115.9	81.9	231.7	15.67	142.5	111.7	86.3	223.3	15.01	139.6
2ATLCS-220A	149.8	95.3	299.4	15.69	180.7	144.8	100.5	289.3	14.39	177.2	139.7	107	279.3	13.09	174.2
2ATLCS-250A	170.6	108.7	340.9	15.05	205.7	165	114.5	329.7	16.59	202	159.3	120.9	318.5	15.14	198.5
2ATLCS-280A	196.9	125	393.7	15.74	237.2	190.6	130.7	380.9	14.29	232.8	183.9	139	367.7	12.82	228.6
2ATLCS-360A	251.3	159.5	502.5	16.74	303	242.8	168.4	485.4	16.07	297.2	233.9	177.6	467.7	15.41	291.5
2ATLCS-420A	292.3	182.7	584.5	*	351.5	282.8	192.5	565.4	*	345.2	272.7	203	545.2	*	338.5
3ATLCS-150A	93.2	61.4	186.0	12.16	112.9	89.8	64.7	179.5	11.65	110.7	86.8	68.5	173.5	11.19	109
3ATLCS-180A	116.8	76	233.4	15.80	141.4	112.9	80.2	225.8	15.22	138.9	108.8	84.7	217.3	14.57	136.2
3ATLCS-210A	135.2	91	270.2	14.68	164.4	130.4	94.9	260.6	13.39	161	125.2	99.9	250.4	12.10	157.6
3ATLCS-240A	156.8	101.5	313.4	15.47	189.6	150.7	106.6	301.3	13.93	185.2	144.8	112.3	289.3	12.39	181.2
3ATLCS-270A	180.2	116.5	360.2	16.12	217.8	173.8	122.9	347.6	15.47	213.7	167.6	129.4	334.9	14.82	209.3
3ATLCS-330A	224.5	142.9	448.9	15.38	270.8	217	150.7	433.9	14.09	265.8	209.5	160	418.9	12.80	261
3ATLCS-375A	255.8	163	511.4	*	308.5	247.3	171.7	494.5	*	302.9	238.9	181.4	477.7	*	297.5
3ATLCS-420A	295.4	187	590.5	*	355.5	285.6	195.9	571.4	*	349.2	275.9	208	551.6	*	342.9
4ATLCS-200A	124.2	81.8	248.2	16.94	150.6	119.8	86	239.4	16.27	147.7	115.7	91.4	231.4	15.65	145.4
4ATLCS-240A	155.7	101.4	311.4	19.45	188.5	150.5	106.9	300.8	17.95	185.0	144.8	112.8	289.6	16.34	181.4
4ATLCS-280A	180.2	122	360.2	21.50	219	173.7	126.5	347.4	19.85	214.6	166.8	133.2	333.6	18.09	210.0
4ATLCS-320A	208.9	135.4	417.7	12.34	252.8	200.9	143	401.7	11.39	246.8	192.8	149.6	385.6	10.44	241.3
4ATLCS-360A	240.2	155.4	480.2	16.41	290.3	231.6	163.6	463.2	15.76	284.6	223.2	172.4	446.4	15.11	279.1
4ATLCS-440A	299.2	190.4	598.4	17.02	360.9	289.2	200.8	578.4	16.35	354.3	279.2	212	558.4	15.73	347.9
4ATLCS-500A	340.8	217.2	681.6	19.64	411.2	329.6	228.8	659.2	18.15	403.8	318.4	241.6	636.8	16.54	396.7
4ATLCS-560A	393.6	248	787.2	21.69	474.0	380.8	261.2	761.6	20.04	465.5	367.6	276	735.2	18.29	457.1

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

QC: Condenser Total Heat Rejection

P.D.: Water Pressure Drop (Ft.W.G.)

W.F.D : Water Flow Data

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 46°F (cont.)

Model	Condensing Temperature														
	125°F				130°F				135°F						
	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	27.8	24.2	55.5	1.69	35.6	26.7	25.6	53.4	1.54	34.9	25.4	27	50.9	1.36	34.2
1ATLCS-60A	34.9	29.9	69.7	2.72	44.6	33.6	31.7	66.9	2.52	43.7	31.9	33.6	63.9	2.29	42.8
1ATLCS-70A	40.2	35.2	80.2	1.77	51.5	38.55	37.2	76.5	1.42	50.3	36.4	39.4	72.9	1.08	49.2
1ATLCS-80A	46.2	39.6	92.3	3.17	59	44.2	41.6	88.2	2.78	57.6	41.8	43.8	83.7	2.37	56.2
1ATLCS-90A	53.7	45.7	107.2	4.57	68.5	51.4	48	102.8	4.13	67	49.0	50.8	98.0	3.70	65.5
1ATLCS-110A	67.4	56	134.8	5.38	85.6	64.7	59.4	129.4	4.89	83.9	61.9	62.8	123.8	4.41	82.4
1ATLCS-125A	76.8	64	153.5	7.09	97.5	73.8	67.7	147.5	6.46	95.7	70.7	71.6	141.2	5.82	93.9
1ATLCS-140A	88.6	73	177.2	6.06	112.2	85.2	77.2	170.4	5.44	110.2	81.7	81.8	163.2	4.79	108.2
1ATLCS-180A	112.42	94	224.9	*	142.9	107.8	99.4	215.5	*	139.9	103.2	105	206.2	*	137.2
1ATLCS-210A	131.12	107.2	262.3	*	165.9	126	113.2	251.9	*	162.7	120.7	119.7	241.2	*	159.5
2ATLCS-100A	55.6	48.3	110.8	3.26	71.2	53.3	50.8	106.5	2.87	69.8	50.9	53.8	101.7	2.45	68.3
2ATLCS-120A	69.8	59.7	139.3	5.60	89	66.8	63.2	133.6	5.01	87.3	63.8	66.8	127.7	4.38	85.6
2ATLCS-140A	80.2	70.4	160.4	4.53	103	76.5	74.3	152.8	3.87	100.5	72.8	78.6	145.6	3.24	98.4
2ATLCS-160A	92.4	78.9	184.5	9.37	117.9	88.2	83	176.2	8.36	114.9	83.6	87.4	167.2	7.33	111.9
2ATLCS-180A	107.4	92	214.7	14.37	136.89	102.7	96	205.3	13.64	133.8	98.2	101.6	196.2	12.94	131
2ATLCS-220A	134.8	113	269.4	11.83	172	129.3	118.7	258.5	10.43	167.7	123.9	125.7	247.7	9.04	164.6
2ATLCS-250A	153.9	128	307	10.67	194.9	147.4	135.2	294.8	12.10	191.2	141.2	143.2	282.4	10.50	187.6
2ATLCS-280A	177.3	146	354.4	11.34	224.6	170.2	154.4	340.4	9.79	220.2	163.0	163.6	326.0	8.19	216.0
2ATLCS-360A	226	188	449.9	14.77	285.9	215.5	198.7	430.9	14.04	279.9	206.0	210	412.0	13.32	274.1
2ATLCS-420A	262.7	214.6	524.8	*	331.8	251.9	226.5	503.7	*	325.4	241.0	239.2	482.0	*	318.5
3ATLCS-150A	83.2	72.4	166.4	10.64	106.7	79.9	76.4	159.8	10.14	104.7	76.4	80.8	152.5	9.57	102.5
3ATLCS-180A	104.5	89.5	208.9	13.92	133.5	100.4	94.9	200.5	13.27	131	95.8	100.4	191.5	12.58	128.3
3ATLCS-210A	120.2	105.4	240.2	10.82	154.2	114.7	111.4	229.2	9.42	150.7	109.2	117.9	218.4	8.03	147.4
3ATLCS-240A	138.5	118.5	276.7	10.77	176.7	132.2	124.6	264.2	9.15	172.5	125.5	131.2	250.9	7.45	168
3ATLCS-270A	160.9	136.6	321.	14.15	205.2	154	144	307.9	13.44	200.8	147.2	152.2	294.2	12.74	196.3
3ATLCS-330A	201.9	168	403.8	11.51	256.4	193.8	177.9	387.7	10.14	251.7	185.8	188.5	371.5	8.74	246.9
3ATLCS-375A	230.3	191.8	460.4	*	292.4	221.2	202.9	442.2	*	286.8	211.8	214.8	423.6	*	281.4
3ATLCS-420A	265.7	218.8	531.2	*	336.5	255.4	231.7	510.6	*	330.4	244.5	245.4	489.0	*	324.0
4ATLCS-200A	110.9	96.7	221.7	14.89	142.2	106.6	101.8	212.9	14.24	139.5	101.7	107.7	203.4	13.49	136.5
4ATLCS-240A	139.4	119.3	278.5	14.75	177.9	133.8	126.6	267.2	13.14	174.7	127.7	133.7	255.3	11.42	171
4ATLCS-280A	160.2	140.5	320.2	16.35	205.6	152.9	148.5	305.6	14.49	201	145.7	157.3	291.3	12.65	196.7
4ATLCS-320A	184.6	157.7	368.9	9.47	235.7	176.2	167	352.0	8.46	229.8	167.2	174.9	334.5	7.44	224
4ATLCS-360A	214.6	183	428.9	14.45	273.6	205.4	193	410.4	13.73	267.5	196.2	202.9	392.2	13.02	261.7
4ATLCS-440A	269.4	225	538.5	14.99	341.9	258.6	237.3	516.8	14.31	335.3	247.6	251.2	495.2	13.58	329.0
4ATLCS-500A	306.9	255.8	613.7	14.95	389.8	294.9	270.6	589.6	13.33	382.4	282.4	286.4	564.8	11.61	375.2
4ATLCS-560A	354.2	291.8	708.2	16.55	448.7	341	308.9	680.9	14.72	440.8	326.5	327.6	652.5	12.85	432.1

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NOTE:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 46°F (cont.)

Model	Condensing Temperature									
	140°F					145°F				
	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	24.2	28.5	48.3	1.18	33.4	23	30	45.9	0.99	32.7
1ATLCS-60A	30.7	35.4	60.7	2.06	41.8	28.8	37.2	57.6	1.83	40.9
1ATLCS-70A	34.8	41.6	69.5	0.76	48.3	32.9	44	65.8	0.39	47.2
1ATLCS-80A	39.8	46.3	79.5	1.98	54.8	37.6	48.8	75.2	1.57	53.5
1ATLCS-90A	46.8	53.7	93.5	3.28	64.2	44.6	56.8	88.7	2.84	62.8
1ATLCS-110A	59.3	66.7	118.5	3.95	80.9	56.6	70.8	112.9	3.45	79.4
1ATLCS-125A	67.5	76	134.9	5.14	92.2	64.4	80.8	128.6	4.47	90.4
1ATLCS-140A	78	86.8	155.9	4.15	106.2	74.4	92	148.6	3.49	104.2
1ATLCS-180A	98.12	111	196.3	*	134.2	93.4	117.3	186.6	*	131.4
1ATLCS-210A	115.12	126.6	230.3	*	156.2	109.8	133.8	219.4	*	152.9
2ATLCS-100A	48.4	56.9	96.5	1.99	66.7	45.8	61	91.7	1.57	65.4
2ATLCS-120A	60.8	70.7	121.4	3.72	83.7	57.4	74.7	114.9	3.04	81.7
2ATLCS-140A	69.6	83	138.9	2.62	96.4	65.6	87.9	131.3	1.94	94.2
2ATLCS-160A	79.6	92.5	158.9	6.35	109.5	75.0	97.5	150.2	5.32	106.7
2ATLCS-180A	93.6	107.3	186.9	12.22	128.2	88.6	113.5	177.3	11.48	125.5
2ATLCS-220A	118.6	133.3	236.9	7.65	161.7	112.9	141.5	225.7	6.20	158.7
2ATLCS-250A	134.9	151.9	269.7	5.87	184.2	128.6	161.4	256.9	7.22	180.8
2ATLCS-280A	155.9	173.5	311.7	6.60	212.2	148.5	185	297	4.95	208.2
2ATLCS-360A	196.3	221.9	392.6	12.62	268.2	186.5	234.4	373	11.88	262.3
2ATLCS-420A	230.3	252.9	460.6	*	312.2	219.4	267.5	438.5	*	306
3ATLCS-150A	72.4	85.4	144.7	8.97	99.9	68.8	90	137.5	8.42	98
3ATLCS-180A	91	106	181.9	11.85	125.3	86.3	112	172.3	11.10	122.6
3ATLCS-210A	104.2	124.6	208.3	6.65	144.6	98.5	131.8	196.8	5.19	141.2
3ATLCS-240A	119.2	138.7	238.3	5.83	164.2	112.7	146.2	225.2	4.14	159.9
3ATLCS-270A	140.2	160.9	280.3	12.02	192.3	133	170.2	265.9	11.28	188.2
3ATLCS-330A	177.7	199.9	355.3	7.35	242.5	169.3	212.2	338.6	5.90	238.2
3ATLCS-375A	202.3	227.8	404.5	*	276.2	192.7	241.9	385.4	*	271.2
3ATLCS-420A	233.8	260.2	467.5	*	318.2	222.7	277	445.4	*	312.2
4ATLCS-200A	96.6	113.6	192.9	12.68	133.3	91.7	121	183.4	11.95	130.5
4ATLCS-240A	121.4	141.2	242.5	9.59	167.2	114.9	149.4	229.7	7.75	163.3
4ATLCS-280A	138.9	166	277.7	10.89	192.7	131.3	175.6	262.4	8.93	188.1
4ATLCS-320A	158.9	184.8	317.7	6.45	218.8	150.2	194.8	300.0	5.40	213.1
4ATLCS-360A	186.9	214.5	373.7	12.32	256.4	177.3	226.8	354.4	11.57	250.7
4ATLCS-440A	236.9	266.5	473.7	12.78	323.4	225.7	282.8	451.2	12.05	317.5
4ATLCS-500A	269.7	303.7	539.3	9.79	368.2	256.9	322.4	513.6	7.95	361.4
4ATLCS-560A	311.7	346.9	623.3	11.09	424.2	296.8	368	593.6	9.14	416.2

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

QC: Condenser Total Heat Rejection

P.D.: Water Pressure Drop (Ft.W.G.)

W.F.D : Water Flow Data

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

MVR: Compressor Motor Version

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 42°F

Model	Condenser Leaving Water Temperature																	
	85°F				90°F				95°F									
	QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	47.6	22.9	94.9	4.52	109.7	3.74	46.4	24	92.6	4.35	108	3.60	44.9	25.2	89.8	4.14	106	3.44
1ATLCS-60W	55.9	26.5	111.7	5.72	128.7	3.92	54.4	27.7	108.7	5.49	126.6	3.68	52.8	29	105.7	5.28	124.5	3.49
1ATLCS-70W	64.2	30	128.3	6.32	147.7	4.45	62.5	31.5	124.9	5.99	145.1	4.13	60.8	32.9	121.5	5.67	142.8	3.83
1ATLCS-80W	76.8	36.6	153.3	8.88	177	5.60	74.8	38.4	149.5	8.51	174.2	5.23	72.9	40	145.7	8.16	171.7	4.89
1ATLCS-90W	88.4	41.7	176.6	11.04	203.6	5.55	86.2	43.7	172.4	10.64	200.4	5.33	83.9	45.8	167.8	10.22	197.4	5.09
1ATLCS-110W	103.8	47.3	207.3	11.83	237.9	4.32	101.5	49.6	202.9	11.42	234.8	4.10	99.1	51.9	198.2	11	231.7	3.87
1ATLCS-125W	115.7	53.2	231.2	15.27	265.6	5.27	112.8	55.7	225.2	14.65	261.4	4.97	109.7	58.4	219.2	14.02	256.9	4.65
1ATLCS-140W	131.8	60.5	263.2	13.84	302.4	1.85	128.2	63.5	256.2	13.21	297.4	1.50	124.7	66.5	249.5	12.59	292.5	1.14
1ATLCS-180W	178.2	79.6	356.2	*	407.7	*	174.72	85	349.9	*	403.9	*	170.9	88.5	341.7	*	399	*
1ATLCS-210W	203.8	91.7	407.4	*	466.7	*	198.72	97	397.9	*	459.7	*	193.8	100.9	387.5	*	452.8	*
2ATLCS-100W	94.9	45.8	189.8	10.27	219.4	3.74	92.5	47.9	184.9	9.84	215.9	3.60	89.7	50.5	179.4	9.34	211.8	3.45
2ATLCS-120W	111.7	52.7	223.4	14.46	257.5	3.92	108.7	55.5	217.4	13.83	253	3.69	105.7	57.9	211.5	13.19	248.8	3.49
2ATLCS-140W	128.3	59.9	256.6	13.25	295.4	4.45	124.9	62.7	249.7	12.63	290.4	4.14	121.5	65.7	242.9	12.03	285.5	3.84
2ATLCS-160W	153.3	73	306.5	18.72	353.8	5.60	149.5	76.6	298.9	17.82	348.4	5.24	145.7	80	291.4	16.93	343.3	4.89
2ATLCS-180W	176.5	83.3	352.9	25	406.8	5.55	172.4	87	344.7	24.36	400.9	5.32	167.6	91.2	335.2	23.64	394.3	5.08
2ATLCS-220W	207.4	94.5	414.5	30.51	475.8	4.32	202.9	98.9	405.8	29.38	469.8	4.09	198.2	103.8	396.2	28.15	463.6	3.88
2ATLCS-250W	231.2	106.3	462.2	30.63	530.9	5.26	225.5	111.4	450.5	32.16	522.7	4.95	219.2	116.8	438.2	30.55	513.8	4.67
2ATLCS-280W	263.2	120.9	526.2	30.45	604.5	1.86	256.5	126.8	512.5	28.94	594.7	1.49	249.4	132.8	498.6	27.38	584.6	1.15
2ATLCS-360W	356.2	160	712.2	25.40	815.2	*	349.6	167.9	698.9	24.74	807.7	*	341.8	176.9	683.4	24.06	797.9	*
2ATLCS-420W	407.4	182.9	814.6	*	933	*	397.6	191.9	794.9	*	919.3	*	387.4	201.6	774.8	*	905.5	*
3ATLCS-150W	142.4	68.5	284.5	19.75	328.8	3.75	138.7	71.8	277.4	19.18	323.8	3.60	134.5	75.4	268.9	18.53	317.7	3.45
3ATLCS-180W	167.6	79	334.9	23.62	386	3.92	163	82.7	325.9	22.92	379.4	3.69	158.5	86.8	316.9	22.23	373.2	3.49
3ATLCS-210W	192.5	89.8	384.7	29.50	442.9	4.47	187.4	94	374.5	28.37	435.4	4.14	182.2	98.6	364.3	27.14	428.2	3.84
3ATLCS-240W	229.9	109.7	459.7	34.32	530.7	5.60	224.2	114.7	448.3	32.85	522.7	5.24	218.5	121	436.9	31.39	514.7	4.89
3ATLCS-270W	264.7	124.9	529.3	24.80	610.3	5.56	258.5	130.7	516.7	24.15	601.3	5.33	251.5	136.9	502.9	23.45	591.7	5.09
3ATLCS-330W	310.9	141.7	621.7	30.20	713.6	4.32	304.4	148.3	608.5	29.07	704.6	4.11	297.2	155.6	594.2	27.85	694.8	3.87
3ATLCS-375W	346.7	159.5	693.2	*	796.7	5.27	337.9	166.9	675.7	*	783.8	4.97	328.7	175	657.2	*	770.5	4.65
3ATLCS-420W	394.7	181.4	789.2	*	906.7	1.86	384.5	189.9	768.7	*	891.8	1.50	373.9	199	747.7	*	876.7	1.15
4ATLCS-200W	189.8	91.4	379.4	29.19	438.4	3.74	184.9	95.7	369.7	27.82	431.7	3.60	179.3	100.5	358.6	26.22	423.6	3.44
4ATLCS-240W	223.4	105.4	446.6	32.62	514.7	3.92	217.3	111	434.5	31.08	505.8	3.68	211.3	115.7	422.6	29.54	497.4	3.49
4ATLCS-280W	256.6	119.7	512.9	29.97	590.4	3.34	249.7	125.3	499.3	28.46	580.5	3.12	242.9	131.3	485.7	26.95	570.8	2.88
4ATLCS-320W	306.6	147	612.9	18.82	707.5	4.22	298.9	152.9	597.7	17.92	696.8	3.95	291.4	161	582.6	17.03	686.2	3.67
4ATLCS-360W	352.9	166.5	705.8	25.19	813.7	4.16	344.5	175	688.9	24.45	801.7	3.99	335.4	182.5	670.6	23.76	788.7	3.82
4ATLCS-440W	414.5	188.9	828.9	30.70	951.4	3.24	405.7	197.7	811.3	29.57	939.4	3.09	396.2	207.3	792.2	28.34	926.4	2.92
4ATLCS-500W	462.2	212.6	924.3	30.84	1061.9	3.95	450.5	222.5	900.9	32.34	1045.2	3.74	438.2	233.3	876.2	30.74	1027.4	3.49
4ATLCS-560W	526.2	241.8	1052.2	30.65	1208.9	1.39	512.5	254	1024.9	29.14	1189	1.14	498.6	265.3	996.9	27.58	1168.8	0.87

NOTE:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- P.D: Water Pressure Drop (ft.W.G)
- W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 42°F (cont.)

REFRIGERANT = R134a	MVR=2	Model	Condenser Leaving Water Temperature											
			100°F					105°F						
			QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
			MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	43.7	26.7	87.4	3.97	104.2	3.34	42.2	27.9	84.2	3.73	102.2	3.12		
1ATLCS-60W	51.4	30.7	102.7	5.07	122.2	3.32	49.7	32	99.2	4.80	119.8	3.05		
1ATLCS-70W	58.9	34.8	117.8	5.34	140.2	3.49	57	36.4	113.9	4.95	137.4	3.16		
1ATLCS-80W	70.9	42	141.8	7.80	168.9	4.54	68.8	44.4	137.6	7.39	166.2	4.16		
1ATLCS-90W	81.7	48	163.3	9.79	194.2	4.87	79.2	50.6	158.4	9.33	191	4.63		
1ATLCS-110W	96.5	54.8	192.9	10.54	228	3.62	93.7	57.4	187.2	10.02	224.2	3.36		
1ATLCS-125W	106.5	61.8	212.9	13.35	252.5	4.34	103.2	64.5	206.4	12.65	248	4.03		
1ATLCS-140W	121.2	69.9	242.6	11.97	287.5	0.82	117.5	73.4	234.9	11.28	282.4	0.46		
1ATLCS-180W	122.7	71.3	245.6	*	291.5	*	118.82	74.9	237.8	*	286.2	*		
1ATLCS-210W	188.7	106.3	377.6	*	446.2	*	183.32	111.9	366.8	*	439.2	*		
2ATLCS-100W	87.2	52.9	174.2	8.87	208.4	3.30	84.2	55.8	168.2	8.35	204.2	3.12		
2ATLCS-120W	102.6	60.9	204.9	12.52	244.4	3.28	99.2	64	198.2	11.80	239.7	3.05		
2ATLCS-140W	117.8	69	235.3	11.32	279.9	3.49	113.9	72.8	227.8	10.65	274.8	3.17		
2ATLCS-160W	141.8	84	283.3	15.98	337.8	4.53	137.6	88.6	274.9	14.99	332.2	4.16		
2ATLCS-180W	163.2	95.9	326.2	22.94	388.2	4.87	158.4	100.9	316.5	22.20	381.8	4.63		
2ATLCS-220W	192.8	108.9	385.4	26.74	455.8	3.62	187.2	114.8	374.2	25.30	448.5	3.36		
2ATLCS-250W	212.8	122.6	425.4	25.89	504.7	4.34	206.4	128.9	412.5	27.25	496	4.04		
2ATLCS-280W	242.4	139.6	484.6	25.82	574.9	0.82	234.9	146.8	469.7	24.17	564.8	0.46		
2ATLCS-360W	245.4	142.4	490.6	23.34	582.7	*	237.8	149.8	475.4	22.60	572.4	*		
2ATLCS-420W	377.4	212.4	754.6	*	892.0	*	366.8	223.8	733.4	*	878.4	*		
3ATLCS-150W	130.7	79.4	261.2	17.94	312.4	3.30	126.2	83.6	252.2	17.24	306.4	3.12		
3ATLCS-180W	153.7	91.4	307.3	21.49	366.4	3.28	148.7	96	297.2	20.72	359.4	3.05		
3ATLCS-210W	176.5	103.6	352.9	25.75	419.9	3.49	170.8	109	341.6	24.30	412.3	3.17		
3ATLCS-240W	212.6	127	424.9	29.85	506.7	4.54	206.2	132.8	412.4	28.22	498.5	4.17		
3ATLCS-270W	244.7	143.8	489.2	22.75	582.4	4.87	237.4	151.4	474.7	21.99	572.9	4.64		
3ATLCS-330W	289	163.4	577.9	26.45	683.8	3.62	280.6	172	561.2	24.99	672.7	3.36		
3ATLCS-375W	319	183.8	637.9	*	756.9	4.34	309.5	193.4	618.6	*	744	4.04		
3ATLCS-420W	363.4	209.2	726.8	*	862.2	0.82	352.4	220	704.5	*	847.2	0.46		
4ATLCS-200W	174.2	105.7	348.2	24.72	416.7	3.30	168.2	111.4	336.2	22.99	408.3	3.12		
4ATLCS-240W	204.9	121.7	409.8	27.89	488.5	3.28	198.2	128	396.2	26.14	479.2	3.05		
4ATLCS-280W	235.4	139	470.5	25.27	559.9	2.62	227.7	145.4	455.4	23.57	549.5	2.38		
4ATLCS-320W	283.4	169	566.6	16.08	675.4	3.40	274.9	176.9	549.8	15.09	664.4	3.13		
4ATLCS-360W	326.2	191.7	652.2	23.04	776.3	3.67	316.5	201.8	632.9	22.30	763.7	3.48		
4ATLCS-440W	385.4	217.7	770.6	26.94	911.7	2.72	374.3	229.4	748.2	25.50	896.7	2.52		
4ATLCS-500W	425.4	244.9	850.6	26.09	1009.3	3.25	412.6	257.8	824.9	27.45	991.9	3.02		
4ATLCS-560W	484.6	278.9	968.9	26.02	1149.5	0.62	469.8	293.2	939.4	24.37	1129.5	0.34		

Note:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 44°F

Model	Condenser Leaving Water Temperature																	
	85°F						90°F						95°F					
	QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	49.8	23.2	99.4	4.81	114.4	4.12	48.5	24.2	96.8	4.65	112.4	3.97	47	25.5	93.9	4.44	110.4	3.79
1ATLCS-60W	58.5	26.7	116.9	6.07	134.2	4.42	57	27.9	113.9	5.87	131.9	4.22	55.4	29.4	110.7	5.65	129.7	3.99
1ATLCS-70W	67.2	30.4	134.4	6.87	153.9	5.24	65.4	31.8	130.8	6.55	151.2	4.90	63.7	33.4	127.2	6.20	148.7	4.56
1ATLCS-80W	80.2	37	160.2	9.50	184	6.55	78.2	38.8	156.2	9.13	181.2	6.17	76.2	40.5	152.2	8.76	178.4	5.79
1ATLCS-90W	92.2	42	184.4	11.76	211.5	6.14	89.9	44	179.9	11.37	208.4	5.92	87.7	46.2	175.5	10.93	205.2	5.69
1ATLCS-110W	108.4	47.8	216.6	12.62	247.5	4.98	106	50	211.9	12.22	244.4	4.77	103.7	52.6	206.9	11.78	240.9	4.51
1ATLCS-125W	120.8	53.8	241.4	16.35	276.2	5.99	117.8	56.4	235.3	15.72	271.8	5.70	114.6	58.9	228.9	15.04	267	5.35
1ATLCS-140W	137.4	61.2	274.7	14.88	314.4	2.70	133.9	64	267.9	14.25	309.2	2.34	130.4	67	260.5	13.60	303.9	1.96
1ATLCS-180W	186	80.4	371.9	*	423.9	*	182.52	84.8	365.2	*	419.9	*	178.8	89.2	357.4	*	415.2	*
1ATLCS-210W	212.5	92.2	424.9	*	484.7	*	207.42	96.8	414.9	*	477.5	*	202.4	101.7	404.5	*	470.4	*
2ATLCS-100W	99.4	46.4	198.6	11.04	228.5	4.12	96.7	48.4	193.3	10.58	224.6	3.95	93.9	50.8	187.6	10.08	220.6	3.79
2ATLCS-120W	116.9	53.4	233.8	15.55	268.2	4.42	113.9	55.8	227.7	14.92	263.8	4.20	110.8	58.5	221.2	14.25	259.2	3.99
2ATLCS-140W	134.4	60.6	268.6	14.32	307.7	5.23	130.7	63.4	261.4	13.67	302.4	4.89	127.2	66.6	254.0	13.02	297.2	4.57
2ATLCS-160W	160.2	73.9	320.2	20.32	367.9	6.55	156.2	77.4	312.2	19.37	362.2	6.15	152.2	80.9	304.0	18.44	356.5	5.78
2ATLCS-180W	184.4	84	368.6	26.20	423	6.14	179.9	88	359.8	25.52	416.8	5.90	175.4	92.4	350.4	24.82	410.4	5.67
2ATLCS-220W	216.6	95.6	432.9	32.87	494.7	4.98	211.9	101	423.8	31.69	488.6	4.75	206.9	104.8	413.6	30.40	481.5	4.52
2ATLCS-250W	241.4	107.6	482.6	33.26	552.2	6	235.3	112.5	470.6	34.72	543.5	5.69	228.9	117.8	457.6	33.07	533.9	5.37
2ATLCS-280W	274.8	122.4	549.4	33.02	628.5	2.70	267.7	127.9	535.4	31.46	618.2	2.32	260.6	135	520.8	29.87	607.8	1.97
2ATLCS-360W	371.9	160.6	743.8	26.60	847.7	*	365.2	169.4	730.2	25.92	839.8	*	357.4	178.4	714.4	25.22	829.9	*
2ATLCS-420W	424.9	184.4	849.8	*	969.2	*	414.9	193.4	829.8	*	954.8	*	404.6	203	808.8	*	940.5	*
3ATLCS-150W	148.9	69.4	297.7	20.75	342.7	4.12	145	72.5	289.9	20.15	336.8	3.97	140.9	76	281.6	19.51	330.9	3.78
3ATLCS-180W	175.4	79.9	350.6	24.82	402.2	4.42	170.8	83.5	341.6	24.12	395.7	4.23	167	87.8	331.9	23.38	388.9	3.98
3ATLCS-210W	201.5	90.8	402.8	31.88	461.5	5.25	196	94.9	391.9	30.69	453.5	4.91	190.8	99.7	381.3	29.41	445.9	4.56
3ATLCS-240W	240.2	110.8	480.2	36.96	551.9	6.56	234.2	115.9	468.3	35.40	543.2	6.17	228.4	121.4	456.2	33.86	534.9	5.78
3ATLCS-270W	276.5	127	552.8	26	634.5	6.15	269.8	133	539.6	25.33	625.3	5.92	263	138.5	525.8	24.63	615.5	5.67
3ATLCS-330W	324.7	143.3	649.4	32.58	742.2	4.98	317.8	151	635.6	31.39	732.8	4.77	310.6	157	620.6	30.2	722.3	4.53
3ATLCS-375W	361.9	161.3	723.8	*	828.2	6	352.9	168.7	705.8	*	815	5.72	343.6	176.6	686.6	*	800.9	5.36
3ATLCS-420W	412	183.5	823.9	*	942.8	2.70	401.5	191.7	802.9	*	927.4	2.34	390.9	202	781.5	*	911.7	1.97
4ATLCS-200W	198.6	92.6	396.9	31.72	456.8	4.12	193.4	96.6	386.6	30.22	449	3.97	187.7	101.4	375.4	28.62	440.9	3.79
4ATLCS-240W	233.8	106.5	467.3	35.31	536.3	4.42	227.6	111.2	455.2	33.74	527.5	4.22	221.4	116.9	442.6	32.12	518.2	3.99
4ATLCS-280W	268.6	120.9	536.9	32.65	615.2	3.94	261.2	126.4	522.4	31.03	604.5	3.68	254.2	132.9	508.2	29.44	594.2	3.43
4ATLCS-320W	320.2	147.8	640.2	20.42	735.8	4.92	312.0	154.4	624.0	19.46	724.2	4.62	304.2	161.8	608.2	18.54	712.9	4.35
4ATLCS-360W	368.6	169	736.9	26.31	845.9	4.62	359.6	176	719.2	25.61	833.4	4.45	350.6	184.6	700.9	24.91	820.6	4.27
4ATLCS-440W	432.9	190.9	865.7	33.08	989.4	3.75	423.6	200	847.2	31.88	976.9	3.57	413.7	209.3	827.3	30.60	962.9	3.39
4ATLCS-500W	482.5	214.9	964.9	33.47	1104.2	4.52	470.4	224.8	940.8	34.92	1087	4.29	457.8	235.5	915.5	33.27	1068	4.04
4ATLCS-560W	549.4	244.5	1098.5	33.23	1256.9	2.04	535.2	255.6	1071	31.67	1237	1.75	520.9	269	1042	30.07	1216	1.47

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 44°F (cont.)

REFRIGERANT = R134a	MVR=2	Model	Condenser Leaving Water Temperature											
			100°F					105°F						
			QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
			MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	45.8	26.9	91.4	4.27	108.6	3.64	44.2	28	88.2	4.04	106.6	3.47		
1ATLCS-60W	53.8	31	107.6	5.42	127.4	3.77	51.9	32.5	103.8	5.16	124.8	3.52		
1ATLCS-70W	61.8	35	123.5	5.86	146	4.25	59.8	36.8	119.4	5.48	143.4	3.88		
1ATLCS-80W	74.4	42.8	148.6	8.42	175.9	5.44	71.9	44.8	143.9	7.99	172.9	5.05		
1ATLCS-90W	85.6	48.9	170.9	10.50	203	5.45	83	51	165.8	10.07	198.9	5.21		
1ATLCS-110W	100.8	55	201.6	11.32	237.4	4.26	97.9	57.9	195.8	10.80	233.4	3.98		
1ATLCS-125W	111.2	62	222.6	14.37	262.7	5.05	107.9	65	215.8	13.67	257.9	4.73		
1ATLCS-140W	126.7	70.5	253.4	12.94	298.8	1.60	122.8	74	245.6	12.27	293.6	1.21		
1ATLCS-180W	128.4	72	256.6	*	302.8	*	124.22	75.4	248.6	*	297.4	*		
1ATLCS-210W	197	107	393.9	*	463.0	*	191.50	112.5	383.2	*	455.9	*		
2ATLCS-100W	91.2	53.4	182.2	9.58	216.7	3.64	88.2	56	176.2	9.06	212.5	3.47		
2ATLCS-120W	107.4	61.6	214.6	13.54	254.4	3.77	103.8	64.8	207.4	12.78	249.2	3.52		
2ATLCS-140W	123.4	69.9	246.5	12.34	291.7	4.24	119.4	73.6	238.6	11.62	286.2	3.88		
2ATLCS-160W	148.2	84.9	296.2	17.49	351.2	5.42	143.8	89.4	287.4	16.46	345.2	5.02		
2ATLCS-180W	170.6	96.9	340.9	24.08	403.8	5.44	165.8	101.8	331.4	23.34	397.2	5.19		
2ATLCS-220W	201.6	109.9	402.9	29.02	474.2	4.26	195.8	115.8	391.3	27.52	466.2	3.98		
2ATLCS-250W	222.4	123.8	444.6	28.37	524.7	5.04	215.8	129.9	431.4	29.69	515.5	4.72		
2ATLCS-280W	253.2	140.8	506.2	28.22	597.2	1.61	245.6	147.9	490.9	26.53	586.9	1.23		
2ATLCS-360W	256.4	143.4	512.6	24.48	605.4	*	248.6	150.6	496.9	23.75	594.4	*		
2ATLCS-420W	393.9	213.7	787.7	*	926.3	*	383.2	226	766.0	*	912	*		
3ATLCS-150W	136.5	79.8	273.0	18.85	324.7	3.62	132.0	84	264.0	18.16	318.5	3.45		
3ATLCS-180W	160.8	92.1	321.6	22.59	381.3	3.75	155.4	96.9	310.8	21.76	373.6	3.50		
3ATLCS-210W	184.8	104.7	369.6	28.00	437.5	4.22	178.8	110.1	357.6	26.51	429.0	3.86		
3ATLCS-240W	222.0	127.2	444.0	32.30	526.5	5.41	215.4	133.8	430.8	30.60	517.5	5.01		
3ATLCS-270W	255.6	145.2	511.2	23.87	605.3	5.42	248.4	152.4	496.8	23.13	595.6	5.18		
3ATLCS-330W	302.1	164.7	604.2	28.70	711.0	4.24	293.4	173.4	586.8	27.21	699.2	3.97		
3ATLCS-375W	333.3	185.4	666.6	*	786.8	5.03	323.4	194.7	646.8	*	773.0	4.70		
3ATLCS-420W	379.5	210.9	759.0	*	895.7	1.59	368.1	221.7	736.2	*	879.9	1.21		
4ATLCS-200W	182.2	106.5	364.2	27.02	433.2	3.64	176.4	112	352.2	25.29	424.8	3.47		
4ATLCS-240W	214.6	122.9	428.9	30.37	508.5	3.77	207.4	129.4	414.6	28.52	498.4	3.53		
4ATLCS-280W	246.6	139.8	492.9	27.75	583.5	3.18	238.8	146.9	476.9	25.98	572.2	2.93		
4ATLCS-320W	296.2	169.8	592.2	17.59	702	4.08	287.8	178.6	574.5	16.56	690.2	3.77		
4ATLCS-360W	340.9	193.8	681.7	24.18	807.2	4.08	331.8	203.4	662.6	23.44	794.2	3.89		
4ATLCS-440W	402.9	219.8	805.7	29.22	948.3	3.19	391.6	231.4	782.6	27.72	932.5	2.99		
4ATLCS-500W	444.5	247.4	888.9	28.56	1049.2	3.78	431.6	259.8	862.6	29.88	1030.8	3.55		
4ATLCS-560W	506.2	281.4	1012.2	28.42	1194.3	1.20	491	295.8	981.8	26.72	1173.4	0.92		

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 45°F

Model	Condenser Leaving Water Temperature																	
	85°F				90°F				95°F									
	QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	50.8	23.4	101.6	4.98	116.6	4.30	49.5	24.5	98.9	4.79	114.6	4.14	48.2	25.7	96.2	4.59	112.7	3.99
1ATLCS-60W	59.8	26.8	119.6	6.27	136.8	4.68	58.4	28	116.6	6.06	134.6	4.47	56.7	29.4	113.2	5.82	132.2	4.24
1ATLCS-70W	68.8	30.6	137.4	7.17	157	5.63	66.9	31.9	133.7	6.84	154.2	5.29	65.2	33.6	130.2	6.49	151.9	4.97
1ATLCS-80W	81.8	37.3	163.7	9.83	187.7	7.03	79.8	38.9	159.6	9.46	184.6	6.63	77.9	40.8	155.5	9.08	181.9	6.25
1ATLCS-90W	94.2	42.5	188.3	12.14	215.8	6.45	92	44.4	183.9	11.74	212.5	6.22	89.7	46.5	179.2	11.29	209.2	5.97
1ATLCS-110W	110.7	48	221.3	13.04	252.2	5.32	108.5	50.4	216.7	12.66	249.1	5.12	105.8	52.8	211.5	12.19	245.7	4.85
1ATLCS-125W	123.4	54	246.5	16.90	281.5	6.39	120.2	56.7	240.4	16.25	276.8	6.07	117	59.2	233.9	15.58	272.2	5.74
1ATLCS-140W	140.4	61.5	280.7	15.42	320.5	3.14	136.9	64.6	273.8	14.79	315.3	2.77	133.2	67.4	266.4	14.12	309.9	2.39
1ATLCS-180W	190.2	80.7	380.2	*	432.4	*	186.52	85	373.2	*	428.1	*	182.8	89.7	365.4	*	423.3	*
1ATLCS-210W	217	92.7	433.9	*	493.9	*	211.9	97	423.8	*	486.4	*	206.7	101.9	413.4	*	479.4	*
2ATLCS-100W	101.6	46.6	202.9	11.44	233	4.31	98.9	48.7	197.9	10.97	229.2	4.14	96.2	51	192.2	10.47	225.2	3.98
2ATLCS-120W	119.6	53.6	238.9	16.11	273.6	4.68	116.5	56	233	15.46	269.2	4.48	113.2	58.7	226.2	14.75	264.2	4.24
2ATLCS-140W	137.4	60.9	274.6	14.87	313.9	5.63	133.7	63.7	267.6	14.22	308.6	5.29	130.2	66.9	260.2	13.56	303.4	4.98
2ATLCS-160W	163.6	74.4	326.9	21.12	375	7.02	159.6	77.6	319	20.17	369.2	6.64	155.6	81.4	310.9	19.23	363.6	6.25
2ATLCS-180W	188.4	84.8	376.6	26.82	431.4	6.45	183.9	88.6	367.9	26.14	425	6.22	179.2	92.8	358.2	25.40	418.2	5.96
2ATLCS-220W	221.2	97	442.2	34.07	504.4	5.32	216.8	100.6	433.5	32.92	498.5	5.12	211.6	105.4	422.9	31.59	491.2	4.86
2ATLCS-250W	246.6	109	492.9	34.59	562.9	6.39	240.4	114	480.7	36	553.8	6.07	233.9	118.5	467.7	34.36	544.4	5.74
2ATLCS-280W	280.6	122.9	561.4	34.36	640.9	3.14	273.7	128.7	547.5	32.79	630.8	2.78	266.4	134.8	532.5	31.16	619.8	2.39
2ATLCS-360W	380.2	162	760.2	27.22	864.6	*	373.2	171	746.2	26.54	856.4	*	365.4	180	730.5	25.80	846.5	*
2ATLCS-420W	433.9	186	867.8	*	987.6	*	423.8	193.9	847.2	*	972.8	*	413.4	203.8	826.4	*	958.5	*
3ATLCS-150W	152.2	69.7	304.3	21.27	349.5	4.30	148.2	73	296.6	20.66	343.9	4.14	144.2	76.6	288.0	20.02	337.7	3.98
3ATLCS-180W	179.2	80.2	358.3	25.42	410.2	4.68	174.6	85	349.4	24.72	403.9	4.47	169.6	88	339.0	23.94	396.2	4.23
3ATLCS-210W	206	91.3	411.7	33.07	470.8	5.64	200.4	95.6	400.9	31.92	462.7	5.29	195.2	100.4	390.0	30.58	455.2	4.98
3ATLCS-240W	245.2	111.4	490.3	38.27	562.5	7.02	239.1	116.6	478.4	36.72	553.8	6.64	233.2	121.9	466.2	35.17	545.3	6.26
3ATLCS-270W	282.5	127	564.7	26.62	647	6.45	275.7	132.7	551.6	25.94	637.5	6.22	268.7	139	537.0	25.20	627.2	5.97
3ATLCS-330W	331.6	145	663.2	33.77	756.5	5.32	324.9	150.7	649.9	32.62	747.5	5.12	317.1	157.9	634.2	31.28	736.7	4.85
3ATLCS-375W	369.8	163	739.3	*	844.3	6.39	360.3	169.7	720.7	*	830.6	6.07	350.8	177.3	701.5	*	816.5	5.74
3ATLCS-420W	421	184.4	841.9	*	961.3	3.14	410.4	192.9	820.9	*	946	2.77	399.4	201.9	798.8	*	929.6	2.39
4ATLCS-200W	202.9	92.9	405.8	32.98	465.9	4.30	197.7	97.4	395.4	31.49	458.4	4.15	192.2	103	384.3	29.88	450.2	3.98
4ATLCS-240W	238.9	106.9	477.8	36.64	546.9	4.68	232.9	113	465.8	35.09	538.4	4.48	226.2	117.4	452.2	33.34	528.2	4.24
4ATLCS-280W	274.5	121.7	548.9	33.97	627.7	4.25	267.4	127.4	534.7	32.38	617	3.98	260.2	133.8	520.2	30.78	606.8	3.74
4ATLCS-320W	326.9	148.6	653.7	21.22	749.9	5.27	318.9	155.4	637.8	20.27	738.4	4.98	310.9	162.5	621.8	19.34	727	4.69
4ATLCS-360W	376.5	169.4	752.9	26.92	862.7	4.86	367.8	176.9	735.5	26.24	849.9	4.67	358.2	185.4	716.2	25.50	836.2	4.47
4ATLCS-440W	442.2	193	884.2	34.27	1008.7	3.99	433.5	200.9	866.6	33.12	996.9	3.85	422.9	210.5	845.8	31.78	982.2	3.65
4ATLCS-500W	492.9	216	985.8	34.79	1125.7	4.79	480.5	228	960.9	36.20	1107.5	4.56	467.7	236.5	935.3	34.55	1088.6	4.30
4ATLCS-560W	561.4	245.8	1122.6	34.55	1281.8	2.38	547.5	257.2	1094.8	33	1262	2.09	532.6	269.5	1065	31.36	1240	1.79

Note:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- P.D: Water Pressure Drop (ft.W.G)
- W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 45°F (cont.)

REFRIGERANT = R134a	MVR=2	Model	Condenser Leaving Water Temperature											
			100°F					105°F						
			QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
			MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	46.7	26.9	93.4	4.39	110.8	3.82	45.2	28.2	90.2	4.17	108.4	3.64		
1ATLCS-60W	54.9	30.9	109.8	5.58	129.8	3.99	53.2	32.5	106.4	5.32	127.4	3.77		
1ATLCS-70W	63.2	35	126.2	6.12	148.8	4.59	61.2	37	122.2	5.74	146	4.24		
1ATLCS-80W	75.7	42.8	151.4	8.69	178.9	5.87	73.8	44.9	147.3	8.29	176.3	5.49		
1ATLCS-90W	87.2	48.8	174.4	10.85	205.8	5.72	84.8	51.2	169.4	10.38	202.5	5.47		
1ATLCS-110W	103.2	55.4	206.2	11.72	241.9	4.59	100.3	59	200.3	11.18	237.7	4.30		
1ATLCS-125W	113.7	62	227.4	14.88	267.6	5.40	110.5	65.4	220.5	14.17	262.8	5.07		
1ATLCS-140W	129.4	70.8	258.8	13.44	304.6	1.99	125.7	74.4	251.3	12.75	299.3	1.63		
1ATLCS-180W	130.2	71.9	260.4	*	306.8	*	126.93	75.7	253.9	*	302.8	*		
1ATLCS-210W	201.7	107.4	403.2	*	472.6	*	195.8	113	391.5	*	464.8	*		
2ATLCS-100W	93.4	53.7	186.6	9.98	221.2	3.82	90.4	56.4	180.2	9.42	216.5	3.64		
2ATLCS-120W	109.8	61.7	219.4	14.04	259.2	3.99	106.4	64.9	212.5	13.32	254.5	3.77		
2ATLCS-140W	126.2	71	252.2	12.85	297.6	4.59	122.2	73.9	244.2	12.12	291.9	4.24		
2ATLCS-160W	151.4	85.4	302.6	18.25	357.8	5.87	147.2	89.7	294.2	17.25	352.3	5.49		
2ATLCS-180W	174.4	97.4	348.6	24.67	411.4	5.73	169.4	102.4	338.5	23.89	404.8	5.47		
2ATLCS-220W	206.2	110.5	412.2	30.19	483.7	4.59	200.2	117	400.2	28.67	475.4	4.30		
2ATLCS-250W	227.4	125	454.6	29.65	534.9	5.40	220.5	130.5	440.9	30.90	525.5	5.07		
2ATLCS-280W	258.8	141.4	517.4	29.47	608.8	2	251.2	148.6	502.2	27.77	598.4	1.62		
2ATLCS-360W	260.4	143.7	520.6	25.07	613.7	*	253.9	152	507.7	24.29	605.6	*		
2ATLCS-420W	403.2	214.5	806.2	*	945.0	*	391.5	225.9	782.9	*	929.4	*		
3ATLCS-150W	139.9	80.5	279.8	19.38	331.8	3.82	135.2	84.5	270.2	18.64	324.7	3.64		
3ATLCS-180W	164.5	92.5	328.9	23.15	388.8	3.99	159.5	97.4	318.8	22.38	381.7	3.78		
3ATLCS-210W	189.2	106	378.2	29.19	446.2	4.59	183.2	110.8	366.2	27.65	437.9	4.24		
3ATLCS-240W	226.9	127.9	453.7	33.55	536.7	5.87	220.7	134.6	441.2	31.94	528.2	5.49		
3ATLCS-270W	261.4	145.9	522.7	24.46	617.2	5.72	253.9	153.4	507.8	23.69	607.2	5.46		
3ATLCS-330W	309.2	165.7	618.2	29.89	725.6	4.59	300.2	175	600.2	28.35	712.9	4.29		
3ATLCS-375W	340.9	187	681.7	*	802.4	5.40	330.7	195.7	661.4	*	788.2	5.05		
3ATLCS-420W	388	211.9	775.9	*	913.2	1.99	376.6	222.7	753.2	*	897.4	1.62		
4ATLCS-200W	186.6	107.4	372.9	28.28	442.4	3.82	180.2	112.5	360.2	26.44	433	3.64		
4ATLCS-240W	219.4	123.3	438.6	31.59	518.4	3.99	212.6	129.7	424.9	29.84	508.9	3.78		
4ATLCS-280W	252.2	141	504.2	28.99	594.9	3.46	244.2	147.7	488.2	27.22	583.7	3.19		
4ATLCS-320W	302.6	170.6	604.9	18.34	715.4	4.40	294.2	179.3	588.2	17.36	704.4	4.12		
4ATLCS-360W	348.6	194.5	696.9	24.77	822.9	4.29	338.6	204.5	676.9	23.99	809.5	4.10		
4ATLCS-440W	412.2	220.9	824.2	30.39	967.2	3.46	400.2	233	800.2	28.86	950.6	3.24		
4ATLCS-500W	454.6	249	908.9	29.85	1070	4.06	440.9	260.9	881.8	31.10	1051	3.80		
4ATLCS-560W	517.4	282.6	1035	29.67	1218	1.52	502.2	296.9	1004.2	27.97	1197	1.24		

NOTE:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 46°F

Model	Condenser Leaving Water Temperature																	
	85°F						90°F						95°F					
	QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	51.9	23.5	103.7	5.15	118.8	4.48	50.7	24.4	101.2	4.96	116.9	4.34	49.2	25.6	98.4	4.75	114.9	4.17
1ATLCS-60W	61.2	27	122.2	6.45	139.6	4.95	59.7	28.2	119.2	6.25	137.4	4.74	57.9	29.5	115.6	5.99	134.8	4.49
1ATLCS-70W	70.2	30.7	140.4	7.45	160.3	6.04	68.5	32	136.8	7.12	157.5	5.69	66.5	33.5	132.8	6.75	154.5	5.34
1ATLCS-80W	83.7	37.4	167.2	10.17	191.4	7.52	81.7	39	163.2	9.79	188.4	7.14	79.5	40.8	158.8	9.40	185.4	6.72
1ATLCS-90W	96.2	42.7	192.4	12.52	219.9	6.76	94	44.5	187.9	12.12	216.7	6.52	91.6	46.5	183.0	11.67	213.2	6.26
1ATLCS-110W	113	48.4	225.9	13.47	257.2	5.68	110.7	50.7	221.4	13.07	254	5.45	108.2	52.9	216.2	12.62	250.6	5.22
1ATLCS-125W	126	54.4	251.9	17.47	287.2	6.78	122.8	56.9	245.6	16.79	282.4	6.44	119.7	59.4	239.0	16.12	277.6	6.12
1ATLCS-140W	144	61.9	286.7	15.97	326.8	3.58	139.8	64.7	279.6	15.32	321.4	3.20	136.2	67.6	272.0	14.64	315.9	2.82
1ATLCS-180W	194.2	81	388.3	*	440.7	*	190.62	85.4	381.4	*	436.8	*	186.6	89.8	373.2	*	431.5	*
1ATLCS-210W	221.7	92.9	443.2	*	503.3	*	216.32	97.3	432.8	*	495.8	*	211.0	102.4	422.0	*	488.3	*
2ATLCS-100W	103.8	46.7	207.4	11.82	237.5	4.48	101.2	48.9	202.2	11.37	233.7	4.35	98.4	51.4	196.6	10.87	229.7	4.17
2ATLCS-120W	122.2	53.9	244.2	16.64	279	4.94	119.2	56.4	238.2	16.02	274.5	4.75	115.8	59	231.4	15.29	269.5	4.49
2ATLCS-140W	140.4	61.3	280.6	15.40	320.2	6.03	136.8	65	273.4	14.75	314.8	5.69	132.9	67	265.8	14.07	309.2	5.34
2ATLCS-160W	167.2	74.7	334.2	21.96	382.6	7.52	163.2	79	326.2	21.02	376.7	7.14	158.9	81.8	317.8	20.04	370.7	6.72
2ATLCS-180W	192.4	86	384.6	27.43	439.7	6.75	187.9	88.9	375.8	26.77	433.3	6.52	183.2	94	366.2	26.02	426.4	6.27
2ATLCS-220W	225.9	96.8	451.8	35.29	514.4	5.67	221.4	102	442.6	34.12	508	5.45	216.4	105.9	432.6	32.82	501.2	5.22
2ATLCS-250W	251.9	108.8	503.8	35.98	574.2	6.78	245.6	113.8	490.9	37.34	564.6	6.44	239.4	118.9	478.2	35.69	555.2	6.12
2ATLCS-280W	286.7	123.7	573.4	35.69	653.4	3.58	279.6	129.4	558.9	34.08	642.8	3.20	272.2	135.3	544.2	32.44	631.7	2.82
2ATLCS-360W	388.3	161.9	776.6	27.84	881.5	*	381.5	170.9	762.6	27.17	873.2	*	373.4	179.8	746.5	26.44	862.9	*
2ATLCS-420W	443.2	185.8	886.2	*	1006.5	*	432.8	194.6	865.5	*	991.6	*	422.2	204.5	844.2	*	976.6	*
3ATLCS-150W	155.5	70	310.9	21.78	356.3	4.48	151.6	73.3	303.2	21.18	350.7	4.34	147.5	76.9	294.7	20.52	344.6	4.15
3ATLCS-180W	183.2	80.8	366.2	26.02	418.6	4.94	178.6	84.4	357.2	25.32	411.7	4.74	173.5	88.7	346.9	24.55	404.4	4.48
3ATLCS-210W	210.5	91.9	420.7	34.29	480.3	6.03	205	97	409.9	33.12	472.2	5.69	199.4	100.7	398.6	31.83	463.7	5.32
3ATLCS-240W	250.7	112	501.2	39.67	573.7	7.51	244.6	118	489.2	38.10	564.9	7.14	238.4	122.6	476.6	36.49	555.8	6.71
3ATLCS-270W	288.5	127.7	576.8	27.25	659.7	6.75	281.8	133.3	563.5	26.57	649.9	6.52	274.7	139.7	549.2	25.82	639.6	6.25
3ATLCS-330W	338.8	145	677.6	34.99	771.5	5.67	331.9	151.7	663.7	33.82	761.9	5.45	324.5	158.8	648.8	32.52	751.7	5.20
3ATLCS-375W	377.8	163	755.6	*	861.3	6.78	368.2	170.5	736.4	*	846.8	6.45	358.7	178.4	717.2	*	832.7	6.10
3ATLCS-420W	430	185.6	859.9	*	980.2	3.58	419.2	193.9	838.4	*	963.9	3.20	408.2	202.9	816.2	*	947.7	2.80
4ATLCS-200W	207.4	93.4	414.5	34.24	474.9	4.48	202.2	97.8	404.2	32.77	467.5	4.34	196.5	102.5	392.9	31.14	459.4	4.17
4ATLCS-240W	244.2	107.7	488.2	37.98	557.9	4.94	238.2	112.5	476.2	36.44	549	4.74	231.4	119	462.6	34.68	539	4.49
4ATLCS-280W	280.6	122.6	560.9	35.32	640.2	4.52	273.3	129	546.6	33.72	629.5	4.27	265.7	135	531.4	32.02	618.3	4
4ATLCS-320W	334.2	149.4	668.2	22.06	764.8	5.64	326.2	157	652.2	21.12	753.2	5.36	317.7	163.2	635.4	20.13	741.2	5.05
4ATLCS-360W	384.6	171	768.9	27.53	879.2	5.07	375.8	177.7	751.4	26.87	866.5	4.89	366.2	187	732.2	26.12	852.7	4.70
4ATLCS-440W	451.7	193.4	903.3	35.49	1028.6	4.26	442.6	203	884.9	34.32	1015.9	4.09	432.2	211.8	864.9	33.02	1002.2	3.92
4ATLCS-500W	503.8	217.4	1007.3	36.18	1148.2	5.09	490.9	227.3	981.8	37.55	1129	4.84	478.2	237.8	956.2	35.89	1110.2	4.59
4ATLCS-560W	573.4	247.4	1146.5	35.89	1306.8	2.68	558.9	258.4	1117.8	34.29	1286	2.40	544.3	270.6	1088.2	32.64	1263.3	2.12

Note:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

P.D: Water Pressure Drop (ft.W.G)

W.F.D: Water Flow Data

Performance Data

Water Cooled Chiller Evap. Leaving Water Temp. 46°F (cont.)

REFRIGERANT = R134a	MVR=2	Model	Condenser Leaving Water Temperature											
			100°F					105°F						
			QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)		QE	WC	Evap. W.F.D. (ΔT=10°F)		Cond. W.F.D. (ΔT=10°F)	
			MBH	KW	GPM	PD	GPM	PD	MBH	KW	GPM	PD	GPM	PD
1ATLCS-50W	47.7	27	95.4	4.54	112.7	3.99	46.2	28.4	92.4	4.32	110.6	3.82		
1ATLCS-60W	56.2	32	112.4	5.75	132.4	4.25	54.4	32.7	108.7	5.50	129.8	4.02		
1ATLCS-70W	64.6	35.5	129.2	6.39	151.9	4.99	62.5	37	124.9	5.99	148.9	4.62		
1ATLCS-80W	77.4	42.9	154.7	9	182.4	6.34	75.2	45	150.3	8.59	179.5	5.94		
1ATLCS-90W	89.2	48.9	178.2	11.19	209.7	6.02	86.6	51.4	173.2	10.72	206.4	5.76		
1ATLCS-110W	105.4	55.5	210.8	12.12	246.6	4.94	102.4	58.4	204.8	11.59	242.5	4.63		
1ATLCS-125W	116.2	62.5	232.4	15.40	272.7	5.76	112.8	65.7	225.5	14.68	268	5.43		
1ATLCS-140W	132.3	71	264.5	13.96	310.5	2.43	128.4	74.7	256.7	13.25	305.2	2.05		
1ATLCS-180W	133.8	72.2	267.5	*	314.2	*	129.82	75.8	259.7	*	308.8	*		
1ATLCS-210W	205.6	107.6	411.2	*	480.8	*	199.92	113.4	399.9	*	473.4	*		
2ATLCS-100W	95.2	53.9	190.5	10.34	225.4	3.99	92.4	56.8	184.5	9.80	221.2	3.83		
2ATLCS-120W	112.2	62	224.5	14.58	264.8	4.25	108.8	65.4	217.3	13.82	259.7	4.02		
2ATLCS-140W	129.2	70.5	258.2	13.38	303.7	4.99	124.9	74	249.7	12.62	297.7	4.62		
2ATLCS-160W	154.8	85.7	309.3	19.04	364.8	6.34	150.5	90	300.5	18.02	358.8	5.95		
2ATLCS-180W	178.2	97.7	356.2	25.25	419.4	6.02	173.2	102.7	346.3	24.48	412.7	5.77		
2ATLCS-220W	210.8	110.9	421.3	31.38	493.2	4.94	204.7	116.7	409.4	29.84	484.8	4.62		
2ATLCS-250W	232.4	124.8	464.5	30.94	545.4	5.76	225.5	132	450.9	32.19	535.7	5.42		
2ATLCS-280W	264.5	143	528.9	30.75	621	2.44	256.7	149.3	513.4	29.02	609.9	2.04		
2ATLCS-360W	267.5	144.4	534.9	25.65	628.4	*	259.7	151.5	519.4	24.88	617.3	*		
2ATLCS-420W	411.2	216	822.2	*	961.4	*	399.9	226.7	799.8	*	946.5	*		
3ATLCS-150W	142.9	80.8	285.7	19.84	338	3.99	138.5	85	276.7	19.15	331.7	3.82		
3ATLCS-180W	168.4	93	336.7	23.75	397	4.25	163	97.9	325.9	22.92	389.3	4.02		
3ATLCS-210W	193.7	105.7	387.2	30.38	455.7	4.99	187.3	112	374.6	28.84	446.5	4.62		
3ATLCS-240W	232	128.5	463.9	34.86	547.2	6.34	225.4	136	450.7	33.17	538.2	5.94		
3ATLCS-270W	267.2	146.5	534.2	25.05	629	6.02	259.7	154	519.0	24.28	618.9	5.77		
3ATLCS-330W	316	166.4	631.9	31.08	739.7	4.94	307	175	613.8	29.54	727.4	4.64		
3ATLCS-375W	348.5	187	696.7	*	817.9	5.77	338.2	196.7	676.2	*	803.7	5.42		
3ATLCS-420W	396.7	214	793.3	*	931.3	2.44	385	223.9	769.8	*	915	2.04		
4ATLCS-200W	190.5	107.7	380.9	29.42	450.7	3.99	184.5	113.4	368.9	27.70	442.4	3.82		
4ATLCS-240W	224.6	125	448.9	32.94	529.3	4.25	217.2	130.6	434.6	31.09	519	4.02		
4ATLCS-280W	258.2	140.9	516.2	30.34	607.4	3.75	249.6	149	499.4	28.47	595.2	3.47		
4ATLCS-320W	309.4	171.3	618.5	19.15	729.6	4.76	300.4	180	600.9	18.12	717.7	4.47		
4ATLCS-360W	356.2	195.3	712.2	25.35	838.6	4.53	346.0	205.2	692.2	24.58	825.2	4.32		
4ATLCS-440W	421.4	221.7	842.6	31.58	986.2	3.70	409.2	233.2	818.5	30.04	969.7	3.48		
4ATLCS-500W	464.6	249.3	928.9	31.14	1091	4.34	450.8	262	901.7	32.39	1072	4.08		
4ATLCS-560W	528.9	285	1057.7	30.95	1242	1.84	513.2	298.4	1026.4	29.20	1219.8	1.53		

Note:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- P.D: Water Pressure Drop (ft.W.G)
- W.F.D: Water Flow Data

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 42°F

Model	Condensing Temperature														
	110°F				115°F				120°F						
	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	40.7	29.4	81.2	3.52	50.2	39	31	77.9	3.29	49	37.5	32.7	74.8	3.07	48
1ATLCS-60A	47.9	33.8	95.6	4.56	58.8	46	35.7	91.9	4.29	57.6	44.2	37.7	88.3	4.03	56.4
1ATLCS-70A	54.9	38.5	109.7	4.57	67.4	52.8	40.4	105.7	4.17	65.9	50.6	42.7	101.4	3.76	64.5
1ATLCS-80A	66.6	46.6	133.2	6.99	81.7	64.4	49.2	128.8	6.59	80.4	62.2	52	124.5	6.18	79.2
1ATLCS-90A	76.8	53.2	153.5	8.88	94	74.4	56.1	148.5	8.41	92.5	71.7	59.3	143.3	7.93	90.9
1ATLCS-110A	90.6	60.5	181.2	9.48	110.1	87.4	63.7	174.8	8.93	108.0	84.1	67.4	168.2	8.35	105.9
1ATLCS-125A	99.9	68	199.7	11.97	121.9	96.5	71.7	192.9	11.25	119.7	93	75.8	185.9	10.52	117.4
1ATLCS-140A	113.7	77.3	227.3	10.60	138.7	109.8	81.6	219.6	9.90	136.3	105.9	86.3	211.7	9.19	133.7
1ATLCS-180A	157.2	102.6	314.4	*	190.3	151.82	107.7	303.8	*	186.8	146.6	114	292.9	*	183.0
1ATLCS-210A	178	118	355.9	*	216.1	172.42	124.7	344.9	*	212.9	166.9	131.6	333.5	*	209.3
2ATLCS-100A	81.2	58.8	162.2	7.82	100.2	77.9	61.9	155.8	7.25	97.9	74.8	65.4	149.4	6.68	95.8
2ATLCS-120A	95.5	67.6	190.9	11.04	117.4	91.9	71.4	183.8	10.29	115	88.2	75.4	176.2	9.48	112.5
2ATLCS-140A	109.7	76.8	219.4	9.88	134.5	105.7	80.9	211.4	9.17	131.9	101.5	85.6	202.5	8.37	129
2ATLCS-160A	133.3	93.3	266.5	14.02	163.5	128.9	98.6	257.8	12.98	160.9	124.6	105	248.9	11.94	158.2
2ATLCS-180A	153.5	106.3	306.9	21.47	187.9	148.5	112.4	296.9	20.69	184.9	143.4	118.7	286.5	19.89	181.8
2ATLCS-220A	181.2	120.9	362.2	23.77	220.4	174.9	127.6	349.8	22.18	216.3	168.4	134.9	336.7	20.47	212
2ATLCS-250A	199.7	135.9	399.4	22.56	243.8	192.9	143.2	385.8	23.80	239.3	185.9	151.6	371.7	21.99	234.9
2ATLCS-280A	227.4	154.5	454.6	22.48	277.4	219.5	163	438.9	20.74	272.3	211.9	172.5	423.4	19.00	267.7
2ATLCS-360A	314.4	204.9	628.5	21.86	380.7	303.8	215.4	607.3	21.09	373.7	292.9	227	585.7	20.28	366.1
2ATLCS-420A	355.9	235.9	711.7	*	432.4	344.9	250	689.7	*	425.7	333.7	262.9	666.9	*	418.6
3ATLCS-150A	121.7	88	243.2	16.55	150.3	116.8	92.8	233.5	15.82	146.8	112	97.9	223.9	15.07	143.7
3ATLCS-180A	143.2	101.2	286.3	19.87	176	137.8	106.9	275.5	19.04	172.5	132.2	113	264.3	18.18	168.7
3ATLCS-210A	164.6	115	328.9	22.76	201.7	158.6	121.4	316.9	21.17	197.8	151.9	128.3	303.8	19.47	193.4
3ATLCS-240A	199.9	139.9	399.7	26.60	245.2	193.3	147.7	386.5	24.90	241.2	186.8	157	373.4	23.21	237.4
3ATLCS-270A	230.2	159.4	460.4	21.27	281.8	222.7	168.4	445.4	20.49	277.4	214.8	177.9	429.6	19.68	272.5
3ATLCS-330A	271.7	181.4	543.2	23.47	330.3	262.3	191.2	524.5	21.87	324.2	252.4	202.4	504.7	20.17	317.8
3ATLCS-375A	299.5	203.8	598.9	*	365.6	289.4	214.9	578.5	*	358.9	278.8	227.2	557.7	*	352.4
3ATLCS-420A	340.9	231.7	681.7	*	416	329.2	244.6	658.3	*	408.5	317.5	258.7	634.9	*	401.2
4ATLCS-200A	162.2	117.4	324.2	21.28	200.2	155.8	123.7	311.4	19.45	195.8	149.3	130.5	298.5	17.62	191.6
4ATLCS-240A	190.9	134.9	381.7	24.28	234.6	183.8	142.5	367.2	22.42	229.8	176.2	150.5	352.2	20.47	224.9
4ATLCS-280A	219.4	153.4	438.5	21.70	269	211.4	161.7	422.4	19.91	263.6	202.6	170.9	404.9	17.96	257.9
4ATLCS-320A	266.6	186.6	532.9	14.12	326.9	257.7	196.9	515.2	13.06	321.4	248.9	209	497.8	12.04	316.3
4ATLCS-360A	306.9	212.6	613.7	21.57	375.7	296.9	224.5	593.6	20.78	369.5	286.5	237.5	572.9	19.99	363.5
4ATLCS-440A	362.2	241.8	724.2	23.97	440.4	349.9	254.9	699.2	22.35	432.4	336.5	269.7	672.9	20.67	423.9
4ATLCS-500A	399.4	271.8	798.8	22.75	487.4	385.9	286.5	771.2	23.99	478.6	371.8	302.9	743.4	22.19	469.9
4ATLCS-560A	454.6	308.9	908.9	22.68	554.7	438.9	328	877.7	20.94	544.7	423.4	344.9	846.6	19.22	535.2

Note:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 42°F (cont.)

REFRIGERANT = R134a MVR=2	Model	Condensing Temperature									
		125°F					130°F				
		QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
		MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	35.8	34.7	71.7	2.85	47	34.2	36.6	68.2	2.59	45.9	
1ATLCS-60A	42.2	39.8	84.5	3.75	55.2	40.3	42	80.5	3.48	53.9	
1ATLCS-70A	48.5	45.4	97	3.35	63.2	46.4	47.9	92.6	2.94	61.8	
1ATLCS-80A	60	55.2	120	5.75	77.9	57.7	58.6	115.4	5.32	76.7	
1ATLCS-90A	69.2	62.9	138.4	7.46	89.6	66.6	66.9	132.9	6.97	88.2	
1ATLCS-110A	80.8	71.4	161.7	7.76	103.9	77.6	75.8	154.8	7.15	101.9	
1ATLCS-125A	89.5	80.4	179	9.78	115.5	86	87	171.8	9.02	113.5	
1ATLCS-140A	102	91.7	203.9	8.48	131.6	97.9	97	195.7	7.75	129.2	
1ATLCS-180A	140.8	119	281.6	*	179.2	134.82	125.2	269.7	*	175.4	
1ATLCS-210A	160.9	138.8	321.7	*	205.9	154.92	146.6	309.9	*	202.5	
2ATLCS-100A	71.6	70	142.9	6.12	93.9	68.2	73	136.2	5.52	91.8	
2ATLCS-120A	84.4	79.5	168.6	8.68	109.9	80.5	85	160.9	7.88	107.8	
2ATLCS-140A	96.9	90.6	193.8	7.58	126.2	92.5	95.8	184.9	6.78	123.6	
2ATLCS-160A	119.9	110.4	239.8	10.85	155.7	115.4	116.9	230.5	9.78	153.1	
2ATLCS-180A	138.2	125.8	276.2	19.09	178.8	132.9	133.4	265.7	18.29	176.2	
2ATLCS-220A	161.6	142.8	322.9	18.72	207.7	154.7	151.4	309.3	16.97	203.8	
2ATLCS-250A	178.9	160.6	357.8	17.19	230.9	171.7	171	343.3	18.34	226.8	
2ATLCS-280A	203.8	182.8	407.4	17.24	262.9	195.5	193.8	390.9	15.42	258.5	
2ATLCS-360A	281.6	237.9	562.9	19.49	358.7	269.8	250.5	539.3	18.69	350.8	
2ATLCS-420A	321.8	277.6	643.4	*	411.7	309.9	294	619.7	*	404.9	
3ATLCS-150A	107.4	103.8	214.6	14.36	140.8	102.4	109.8	204.4	13.58	137.8	
3ATLCS-180A	126.4	119.3	252.8	17.30	165	120.9	128	241.6	16.44	161.8	
3ATLCS-210A	145.4	135.8	290.6	17.72	189.5	138.8	143.6	277.5	15.97	185.2	
3ATLCS-240A	179.8	165.4	359.6	21.43	233.5	172.9	175.4	345.8	19.66	229.8	
3ATLCS-270A	207.3	188.6	414.2	18.90	268.4	199.5	200	398.7	18.11	264.4	
3ATLCS-330A	242.1	214	484.4	18.44	311.7	233	227	464	16.68	305.8	
3ATLCS-375A	269	240.7	536.5	*	346.4	257.6	255	514.8	*	340.1	
3ATLCS-420A	305.6	274	610.9	*	394.4	293.2	290.4	586.2	*	387.2	
4ATLCS-200A	142.9	139	285.7	15.78	187.6	136.2	147	272.2	13.84	183.4	
4ATLCS-240A	168.5	158.9	336.9	18.53	220	160.8	169	321.7	16.57	215.4	
4ATLCS-280A	193.7	180.9	387.4	16.02	252.4	184.9	191.4	369.7	14.05	246.9	
4ATLCS-320A	239.7	220.5	479.3	10.95	311.2	230.5	233.7	460.9	9.87	306.3	
4ATLCS-360A	276.2	251.2	552.0	19.18	357.4	265.6	266.4	531.2	18.38	352.0	
4ATLCS-440A	322.9	285.4	645.7	18.92	415.4	309.4	302.6	618.6	17.16	407.2	
4ATLCS-500A	357.6	320.8	715.2	17.38	461.6	343.2	341	686.8	18.55	453.8	
4ATLCS-560A	407.4	365.4	814.6	17.44	525.7	390.9	387.4	781.8	15.62	516.5	

NOTE:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 44°F

Model	Condensing Temperature														
	110°F				115°F				120°F						
	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	42.7	29.7	85.2	3.82	52.2	40.9	31.2	81.7	3.58	51	39.3	33	78.6	3.34	50
1ATLCS-60A	50.2	34	100.3	4.88	61.2	48.3	35.9	96.4	4.60	59.9	46.4	37.9	92.6	4.36	58.7
1ATLCS-70A	57.5	38.6	115.0	5.06	70.0	55.3	40.8	110.6	4.64	68.5	53.1	43	106.2	4.24	67.2
1ATLCS-80A	69.8	47	139.6	7.58	85	67.7	49.6	134.9	7.16	83.6	65.3	52.6	130.6	6.71	82.1
1ATLCS-90A	80.5	53.7	160.7	9.57	97.7	77.8	56.7	155.6	9.08	96.2	75.3	59.8	150.2	8.58	94.5
1ATLCS-110A	94.8	60.9	189.6	10.25	114.6	91.7	64.4	183.2	9.68	112.5	88.2	67.8	176.4	9.08	110.2
1ATLCS-125A	104.6	68.6	208.9	12.95	126.8	101	72.4	201.9	12.20	124.5	97.5	76.5	194.8	11.45	122.2
1ATLCS-140A	118.9	77.9	237.8	11.55	144.2	114.9	82.2	229.8	10.82	141.6	110.9	86.9	221.8	10.09	139
1ATLCS-180A	164.6	103.4	328.9	*	198	159.02	108.4	318.2	*	194.2	153.5	113.9	306.8	*	190.5
1ATLCS-210A	186	118.8	371.9	*	224.5	180.23	125.4	360.6	*	220.9	174.5	132.4	348.8	*	217.4
2ATLCS-100A	85.2	59	170.3	8.52	104.2	81.8	62.4	163.4	7.93	101.9	78.6	65.9	156.8	7.36	99.9
2ATLCS-120A	100.2	69	200.3	12.03	122.4	96.4	71.9	192.5	11.22	119.6	92.6	75.9	184.9	10.42	117.2
2ATLCS-140A	115.2	77.4	230.2	10.86	140.2	110.8	81.8	221.4	10.07	137.2	106.4	87	212.6	9.27	134.2
2ATLCS-160A	139.7	95	278.9	15.48	170	134.9	99.4	269.8	14.38	167.3	130.4	104.9	260.5	13.30	164.4
2ATLCS-180A	160.7	108	321.4	22.58	195.6	155.7	116	310.9	21.78	192.2	150.4	119.6	300.6	20.98	189
2ATLCS-220A	189.6	121.8	378.9	25.93	228.9	183.3	128.7	366.2	24.27	224.7	176.4	135.8	352.7	22.53	220.2
2ATLCS-250A	208.9	137	418	24.93	253.3	201.9	144.7	403.8	26.12	248.8	194.8	152.8	389.4	24.27	244.2
2ATLCS-280A	237.8	155.8	475.4	24.79	288.2	229.8	164.4	459.4	23.02	282.9	221.9	173.8	443.4	21.25	278
2ATLCS-360A	328.9	206.6	657.8	22.98	395.9	318.3	216.8	636.2	22.18	388.4	306.8	227.8	613.4	21.38	380.9
2ATLCS-420A	372	237.4	743.6	*	448.9	360.6	250.6	720.9	*	441.8	348.8	264.7	697.5	*	434.6
3ATLCS-150A	127.7	88.7	255.2	17.48	156.4	122.6	93.5	244.9	16.69	152.7	117.8	98.8	235.4	15.97	149.7
3ATLCS-180A	150.2	103	300.3	20.95	183.2	144.5	107.8	288.7	20.07	179.3	138.8	113.8	277.4	19.18	175.7
3ATLCS-210A	172.7	116	345.2	24.93	210.2	166	122.6	331.9	23.27	205.8	159.5	130	318.8	21.52	201.3
3ATLCS-240A	209.2	142	418.4	28.98	255	202.4	148.9	404.5	27.22	250.6	195.5	157.4	390.7	25.44	246.6
3ATLCS-270A	241	160.7	481.9	22.37	293	233.3	169.7	466.4	21.59	288.2	225.5	179.3	450.9	20.77	283.5
3ATLCS-330A	284.2	182.6	568.4	25.62	343.3	274.7	192.7	549.3	23.99	337	264.5	203.5	528.7	22.23	330.4
3ATLCS-375A	313.3	205.4	626.5	*	379.8	302.9	216.7	605.6	*	373	292	229	583.9	*	366.2
3ATLCS-420A	356.7	233.7	712.9	*	432.2	344.6	246.5	688.9	*	424.4	332.6	260.5	664.9	*	416.9
4ATLCS-200A	170.2	119	340.2	23.58	208.6	163.4	124.7	326.6	21.64	203.7	156.9	131.8	313.7	19.79	199.7
4ATLCS-240A	200.2	137	400.2	26.66	244.3	192.6	143.7	384.9	24.70	239	184.9	151.8	369.7	22.74	234
4ATLCS-280A	230.2	154.7	460.2	24.10	280.3	221.4	163.4	442.6	22.15	274.3	212.6	173	424.9	20.18	268.4
4ATLCS-320A	278.9	189	557.7	15.59	339.8	269.9	198.6	539.4	14.48	334	260.6	209.8	520.9	13.40	328.5
4ATLCS-360A	321.4	215	642.5	22.68	390.7	310.9	227	621.7	21.88	384.2	300.6	238.9	600.9	21.07	377.9
4ATLCS-440A	378.9	243.4	757.8	26.12	457.7	366.3	256.9	732.3	24.48	449.4	352.6	271.4	704.9	22.72	440.4
4ATLCS-500A	417.7	273.8	835.4	25.12	506.5	403.7	288.9	807.4	26.32	497.4	389.4	305.4	778.5	24.47	488.3
4ATLCS-560A	475.4	311.4	950.6	25	576.3	459.4	328.6	918.6	23.22	565.8	443.4	347.4	886.5	21.44	555.7

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Note:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 44°F (cont.)

REFRIGERANT = R134a MVR=2	Model	Condensing Temperature									
		125°F					130°F				
		QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
		MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	37.7	34.8	75.2	3.09	48.8	35.9	36.8	71.7	2.85	47.8	
1ATLCS-60A	44.3	41	88.7	4.06	57.3	42.3	42.5	84.6	3.78	56	
1ATLCS-70A	51	45.7	101.9	3.82	65.8	48.6	48.2	97.2	3.37	64.2	
1ATLCS-80A	62.9	55.6	125.8	6.29	80.9	60.5	65.2	120.9	5.86	81.7	
1ATLCS-90A	72.6	63.4	144.9	8.09	93	69.8	68	139.4	7.57	91.4	
1ATLCS-110A	84.7	71.9	169.4	8.45	108	81.2	76.2	162.2	7.82	105.8	
1ATLCS-125A	93.9	80.9	187.5	10.68	120	90.2	85.8	180.2	9.90	117.8	
1ATLCS-140A	106.8	92	213.4	9.36	136.6	102.6	97.5	204.9	8.58	134.2	
1ATLCS-180A	147.6	119.8	294.9	*	186.4	141.32	126	282.8	*	182.3	
1ATLCS-210A	168.5	139.9	336.7	*	213.7	162.4	147.5	324.7	*	210	
2ATLCS-100A	75.2	69.6	150.3	6.77	97.7	71.7	73.7	143.4	6.15	95.6	
2ATLCS-120A	88.6	81	176.9	9.58	114.5	84.7	84.9	168.9	8.73	111.9	
2ATLCS-140A	101.9	92	203.8	8.48	131.5	97.2	96.5	194.2	7.60	128.4	
2ATLCS-160A	125.8	110.9	251.4	12.22	161.7	120.9	130.4	241.8	11.09	163.3	
2ATLCS-180A	144.9	126.6	289.7	20.15	185.9	139.5	136	278.6	19.28	182.8	
2ATLCS-220A	169.4	143.7	338.6	20.72	215.9	162.3	152.4	324.3	18.88	211.4	
2ATLCS-250A	187.6	161.5	374.9	19.42	239.9	180.3	171.4	360.3	20.50	235.7	
2ATLCS-280A	213.4	183.9	426.5	19.37	272.9	204.9	194.9	409.8	17.50	268	
2ATLCS-360A	294.9	239.3	589.7	20.54	372.6	282.9	251.9	565.4	19.68	364.4	
2ATLCS-420A	336.8	279.3	673.3	*	427.3	324.6	294.9	648.9	*	420	
3ATLCS-150A	112.7	104.3	225.2	15.17	146.4	107.7	110.2	214.9	14.38	143.3	
3ATLCS-180A	132.8	122	265.4	18.27	171.7	126.7	127	253.4	17.34	167.8	
3ATLCS-210A	152.9	136.7	305.6	19.72	197	145.7	144.5	291.2	17.88	192.5	
3ATLCS-240A	188.6	166.4	376.9	23.67	242.5	181.4	195.5	362.5	21.82	244.7	
3ATLCS-270A	217.4	189.7	434.5	19.94	278.8	208.9	202	417.8	19.08	274.3	
3ATLCS-330A	253.9	215.6	507.8	20.42	323.7	243.3	228.5	486.2	18.58	317.2	
3ATLCS-375A	281.2	242.2	562.4	*	359.8	270.2	256.9	540.2	*	353.4	
3ATLCS-420A	319.9	275.8	639.8	*	409.4	307.5	292.4	614.5	*	402	
4ATLCS-200A	150.2	138.9	300.2	17.86	195.2	143.4	146.9	286.6	15.89	190.9	
4ATLCS-240A	176.9	161	353.8	20.68	228.8	168.9	169.4	337.8	18.62	223.8	
4ATLCS-280A	203.8	183	407.4	18.24	262.9	194.2	192.6	388.3	16.09	256.5	
4ATLCS-320A	251.4	221.7	502.6	12.32	323.3	241.8	260.6	483.5	11.19	326.2	
4ATLCS-360A	289.8	252.9	579.4	20.25	371.7	278.6	269	556.9	19.38	365.5	
4ATLCS-440A	338.5	287.4	676.9	20.92	431.7	324.3	304.6	648.3	19.06	422.7	
4ATLCS-500A	374.9	322.9	749.8	19.62	479.6	360.2	342.6	720.3	20.69	471.0	
4ATLCS-560A	426.6	367.8	852.9	19.56	545.7	409.8	389.8	819.4	17.69	535.9	

Note:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

QC: Condenser Total Heat Rejection

P.D.: Water Pressure Drop (Ft.W.G.)

W.F.D : Water Flow Data

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 45°F

Model	Condensing Temperature														
	110°F				115°F				120°F						
	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	43.7	29.7	87.2	3.96	53.2	41.9	31.3	83.8	3.71	52	40.2	33	80.4	3.48	50.8
1ATLCS-60A	51.4	34.4	102.6	5.04	62.5	49.4	36	98.8	4.78	61.2	47.5	39	94.8	4.49	59.8
1ATLCS-70A	58.9	38.7	117.7	5.31	71.5	56.8	40.9	113.4	4.92	70.0	54.6	43.4	108.9	4.47	68.6
1ATLCS-80A	71.4	47.4	142.4	7.87	86.7	69.2	49.8	138.0	7.45	85.2	66.9	52.8	133.6	7.01	83.8
1ATLCS-90A	82.2	53.9	164.3	9.89	99.7	79.7	56.8	159.0	9.42	98	76.9	59.9	153.8	8.90	96.4
1ATLCS-110A	98	61.2	193.9	10.64	116.8	93.7	64.6	187.4	10.04	114.7	90.2	68.2	180.4	9.42	112.4
1ATLCS-125A	106.8	68.8	213.6	13.42	129.2	103.4	72.6	206.6	12.68	126.8	99.7	76.6	199.2	11.90	124.5
1ATLCS-140A	121.7	78.3	243.2	12.04	146.9	117.5	82.5	234.9	11.29	144.2	113.5	87.2	226.8	10.55	141.7
1ATLCS-180A	123	79.6	245.9	*	148.8	118.72	84	237.6	*	148	114.5	88.7	228.8	*	143.2
1ATLCS-210A	190.2	120	380.2	*	228.7	184.22	125.8	368.6	*	225	178.4	132.8	356.6	*	221.3
2ATLCS-100A	87.2	59.5	174.2	8.88	106.4	83.8	62.8	167.4	8.27	104	80.4	67	160.5	7.67	101.7
2ATLCS-120A	102.6	68.6	204.9	12.52	124.8	98.8	73	197.4	11.72	122	94.8	77	189.3	10.87	119.3
2ATLCS-140A	117.8	77	235.4	11.32	142.8	113.6	81.9	226.9	10.57	139.9	108.9	86.5	217.7	9.73	136.9
2ATLCS-160A	142.5	94.6	284.9	16.18	173.2	138.3	99.7	276.2	15.14	170.4	133.5	105.4	266.9	14.05	167.6
2ATLCS-180A	164.4	107.8	328.6	23.13	199.2	159.2	113.5	318.2	22.32	195.8	153.7	119.9	307.4	21.49	192.5
2ATLCS-220A	193.9	122.6	387.8	27.05	233.5	187.4	128.9	374.6	25.35	229	180.4	136.4	360.6	23.55	224.4
2ATLCS-250A	213.6	137.6	426.9	26.11	258	206.6	144.9	412.9	27.30	253.4	199.2	154	398.2	25.39	248.7
2ATLCS-280A	243.2	156.6	486.2	25.99	293.8	234.9	164.9	469.7	24.17	288.3	226.7	174.4	453.3	22.34	283.2
2ATLCS-360A	245.9	160	491.8	23.52	297.5	237.7	167.9	474.9	22.72	291.9	228.8	177.4	457.3	21.89	286.0
2ATLCS-420A	380.2	239	760.2	*	457.2	368.5	251.4	736.9	*	449.9	356.6	265.4	712.9	*	442.4
3ATLCS-150A	130.7	88.9	261.0	17.94	159.5	125.6	93.9	251	17.16	155.9	120.5	99	240.7	16.35	152.4
3ATLCS-180A	153.7	102.8	307.2	21.49	187	148	109	295.9	20.62	183	142	115	283.9	19.68	178.9
3ATLCS-210A	176.6	115.7	352.8	26.06	213.9	170.2	122.8	340.3	24.36	210	163.4	129.7	326.4	22.55	205.2
3ATLCS-240A	213.8	141.7	427.2	30.16	259.7	207.2	149.6	414.2	28.46	255.5	200.2	157.9	400.2	26.68	251.2
3ATLCS-270A	246.5	161.7	492.6	22.94	298.8	238.7	170.3	477.1	22.12	293.7	230.6	179.8	460.8	21.29	288.6
3ATLCS-330A	290.8	183.4	581.4	26.77	350.2	280.9	193.4	561.7	25.05	343.6	270.4	204.5	540.6	23.25	336.5
3ATLCS-375A	320.2	206.2	640.2	*	387	309.7	217.4	619.4	*	380.2	298.7	229.7	597.0	*	372.9
3ATLCS-420A	364.7	234.7	729.0	*	440.7	352.4	247.4	704.5	*	432.5	340	261.5	679.8	*	424.6
4ATLCS-200A	174.2	118.5	348.2	24.72	212.6	167.2	125.2	334.4	22.77	207.9	160.6	134	320.8	20.82	203.4
4ATLCS-240A	204.9	136.9	409.8	27.89	249.3	197.2	144	394.4	25.94	244	189.4	153	378.4	23.88	238.6
4ATLCS-280A	235.4	155	470.5	25.27	285.3	226.8	163.6	453.6	23.39	279.9	217.8	172.9	435.2	21.34	273.8
4ATLCS-320A	284.9	188.9	569.8	16.27	346.2	276.0	199.2	552.0	15.24	340.7	266.9	210.8	533.6	14.15	335.2
4ATLCS-360A	328.6	215.3	656.9	23.23	398.4	318.0	226.8	636.0	22.42	391.7	307.4	239.8	614.4	21.59	385
4ATLCS-440A	387.8	244.5	775.4	27.27	466.9	374.4	257.6	748.8	25.56	458	360.7	272.6	720.8	23.75	448.8
4ATLCS-500A	426.9	274.9	853.8	26.39	516	412.8	289.6	825.6	27.60	506.8	398.2	308	796.0	25.59	497.3
4ATLCS-560A	486.2	312.9	972.2	26.18	587.6	469.6	329.6	939.2	24.37	576.5	453.4	348.6	906.4	22.5	566.1

Note:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 45°F (cont.)

REFRIGERANT = R134a MVR=2	Model	Condensing Temperature									
		125°F					130°F				
		QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
		MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	38.6	35	76.9	3.22	49.8	36.8	37	73.5	2.99	48.9	
1ATLCS-60A	45.4	40.4	90.8	4.22	58.5	43.4	42.7	86.8	3.93	57.3	
1ATLCS-70A	52.2	45.8	104.4	4.06	67	49.8	48.5	99.6	3.60	65.6	
1ATLCS-80A	64.5	55.8	128.8	6.58	82.5	61.9	60	123.8	6.12	81	
1ATLCS-90A	74.2	63.6	148.4	8.42	94.9	71.5	67.4	142.8	7.88	93.2	
1ATLCS-110A	86.8	73	173.4	8.80	110	83	76.4	165.9	8.15	107.8	
1ATLCS-125A	95.9	82	191.8	11.13	122.2	92.3	85.9	184.2	10.36	120	
1ATLCS-140A	109.3	92.3	218.4	9.79	139.2	104.9	97.8	209.8	9.02	136.7	
1ATLCS-180A	150.2	121	300.2	*	189	144.72	126.5	289.5	*	185.8	
1ATLCS-210A	172.4	142	344.6	*	217.8	165.93	147.9	331.9	*	213.9	
2ATLCS-100A	76.9	69.9	153.7	7.08	99.5	73.6	73.9	146.9	6.47	97.3	
2ATLCS-120A	90.7	80.6	181.4	10.04	116.8	86.8	86	173.4	9.19	114.3	
2ATLCS-140A	104.4	91.5	208.6	8.90	133.9	99.6	96.8	198.9	8.04	130.8	
2ATLCS-160A	128.8	111.4	257.3	12.92	164.7	123.8	119	247.5	11.76	161.9	
2ATLCS-180A	148.4	126.9	296.6	20.66	189.4	142.8	134.6	285.5	19.80	186.4	
2ATLCS-220A	173.4	145	346.6	21.75	220	165.9	152.7	331.8	19.86	215.5	
2ATLCS-250A	191.8	163	383.4	20.49	244.3	184.4	171.8	368.8	21.58	239.9	
2ATLCS-280A	218.4	184.7	436.5	20.48	278.3	209.7	195.8	419.3	18.57	273	
2ATLCS-360A	300.2	241	600.2	21.07	377.9	289.6	252.8	578.9	20.20	371.5	
2ATLCS-420A	344.6	281	688.9	*	435.4	331.9	295.8	663.8	*	427.8	
3ATLCS-150A	115.4	104.8	230.6	15.58	149.3	110.2	110.8	220.4	14.79	146.4	
3ATLCS-180A	136	120.8	271.9	18.77	175.2	130	127.7	259.9	17.84	171.4	
3ATLCS-210A	156.5	136.9	312.8	20.75	200.8	149.2	145	298.4	18.86	196.4	
3ATLCS-240A	193	166.9	385.9	24.82	247.2	185.6	178	370.9	22.89	242.9	
3ATLCS-270A	222.5	190.4	444.8	20.47	284.2	214	201.7	427.9	19.60	279.5	
3ATLCS-330A	259.9	217	519.8	21.46	329.9	248.8	229	497.6	19.56	323	
3ATLCS-375A	287.6	245	574.9	*	366.3	276.5	257.5	552.7	*	359.9	
3ATLCS-420A	327.5	276.7	654.8	*	417.2	314.5	293.2	628.9	*	409.6	
4ATLCS-200A	153.8	139.7	307.4	18.87	198.9	146.9	147.8	293.8	16.92	194.7	
4ATLCS-240A	181.4	160.7	362.6	21.82	233.4	173.4	171	346.6	19.76	228.4	
4ATLCS-280A	208.6	182.6	416.9	19.30	267.7	198.9	193.4	397.8	17.16	261.7	
4ATLCS-320A	257.5	222.6	514.6	13.03	329.5	247.4	238	494.6	11.85	323.8	
4ATLCS-360A	296.6	253.7	592.9	20.76	378.7	285.4	268.9	570.6	19.90	372.5	
4ATLCS-440A	346.6	289	692.9	21.95	439.9	331.8	305.4	663.4	20.05	430.7	
4ATLCS-500A	383.5	325	766.5	20.69	488.4	368.6	343.4	736.9	21.78	479.7	
4ATLCS-560A	436.6	368.9	872.9	20.68	556	419.4	390.9	838.6	18.77	546	

Note:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 46°F

Model	Condensing Temperature														
	110°F				115°F				120°F						
	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	44.7	29.9	89.2	4.09	54.4	42.9	31.6	85.8	3.86	53.2	41.2	33.2	82.4	3.62	51.9
1ATLCS-60A	52.6	34.4	104.9	5.22	63.7	50.7	36.4	101.2	4.95	62.4	48.7	38.4	97.2	4.68	61
1ATLCS-70A	60.4	40	120.5	5.58	72.9	58.2	41.1	116.2	5.15	71.4	55.8	43.5	111.5	4.73	69.9
1ATLCS-80A	73	47.6	145.9	8.18	88.5	70.8	50	141.4	7.75	86.9	68.4	52.9	136.6	7.30	85.4
1ATLCS-90A	84.2	55	168.2	10.26	101.6	81.4	56	162.7	9.75	99.8	78.7	60.2	157.4	9.26	98.2
1ATLCS-110A	99.2	61.4	198.4	11.02	119.2	95.8	64.8	191.5	10.42	116.8	92.4	68.4	184.5	9.80	114.4
1ATLCS-125A	109.2	69	218.4	13.94	131.6	105.6	72.8	211.2	13.17	129.2	101.9	76.9	203.7	12.39	126.8
1ATLCS-140A	124.4	78.6	248.5	12.52	149.8	120.2	82.9	240.4	11.77	147	116	87.5	231.9	11.02	144.4
1ATLCS-180A	125.8	79.8	251.4	*	151.5	121.33	84.2	242.8	*	148.8	116.4	87.7	232.5	*	144.7
1ATLCS-210A	194.4	119.6	388.6	*	233	188.33	127	376.8	*	229.3	182.4	134	364.5	*	225.5
2ATLCS-100A	89.3	59.8	178.3	9.22	108.4	85.8	62.9	171.3	8.62	106.2	82.4	66.4	164.7	8.01	103.7
2ATLCS-120A	104.9	68.8	209.8	13.03	127.3	101.3	72.6	202.3	12.21	124.7	97.2	76.5	194.3	11.37	121.9
2ATLCS-140A	120.6	79	240.9	11.85	145.7	116.0	82.2	232.0	11.02	142.6	111.4	86.8	222.8	10.19	139.5
2ATLCS-160A	145.9	94.9	291.7	16.97	176.7	141.5	99.9	282.7	15.89	173.7	136.6	105.8	272.9	14.77	170.8
2ATLCS-180A	168.2	109	336.2	23.73	203.2	162.8	113.9	325.3	22.88	199.7	157.4	120.4	314.6	22.04	196.5
2ATLCS-220A	198.5	122.8	396.8	28.19	238	191.8	129.8	382.9	26.47	233.3	184.4	136.6	368.8	24.62	228.7
2ATLCS-250A	218.4	137.9	436.6	27.34	263	211.2	145.8	422.2	28.48	258.3	203.8	153.8	407.6	26.59	253.6
2ATLCS-280A	248.7	158	496.9	27.19	299.5	240.4	165.8	480.8	25.38	295	231.9	174.9	463.8	23.50	288.8
2ATLCS-360A	251.4	159.8	502.6	24.14	303	242.8	168.4	485.4	23.28	297.3	232.6	176	464.9	22.46	289.3
2ATLCS-420A	388.5	238.9	776.9	*	466	377	253	753.6	*	458.6	364.8	267	728.9	*	450.8
3ATLCS-150A	133.7	89.7	267.3	18.40	162.7	128.6	94.4	256.9	17.62	159	123.5	99.4	246.7	16.85	155.7
3ATLCS-180A	157.4	104	314.7	22.04	190.7	151.6	108.8	303.2	21.18	186.8	145.7	114.7	291.3	20.26	182.7
3ATLCS-210A	180.8	119	361.3	27.19	218.7	174.2	123.4	348.2	25.45	214.2	167.2	130.4	334.4	23.64	209.5
3ATLCS-240A	218.9	142.6	437.5	31.47	264.9	211.9	149.8	423.8	29.69	260.4	204.8	158.6	409.4	27.84	256
3ATLCS-270A	252.2	165	504.2	23.52	304.7	244	170.8	487.9	22.68	299.4	235.9	180.5	471.8	21.84	294.4
3ATLCS-330A	297.4	185	594.7	27.89	357	287.3	194.3	574.4	26.14	350.2	276.8	205	553.4	24.34	343.2
3ATLCS-375A	327.5	206.9	654.7	*	394.5	316.6	218.2	633.2	*	387.4	305.6	230.6	610.9	*	380.2
3ATLCS-420A	372.7	235.8	745.3	*	449	360.4	248.6	720.8	*	440.9	347.8	262.4	695.4	*	432.8
4ATLCS-200A	178.2	119.4	356.2	25.88	216.8	171.4	125.8	342.6	23.92	212	164.6	132.6	328.9	21.98	207.4
4ATLCS-240A	209.8	137.4	419.4	29.13	254.3	202.2	144.9	404.2	27.17	249	194.2	152.9	388.3	25.13	243.7
4ATLCS-280A	240.9	157	481.7	26.51	291.6	232.2	164.6	464.3	24.54	285.4	222.9	173.8	445.8	22.50	279.3
4ATLCS-320A	291.8	189.8	583.4	17.08	353.2	282.6	199.8	564.9	15.99	347.3	272.9	211.4	545.8	14.88	341.5
4ATLCS-360A	336.3	217	672.3	23.82	406.4	325.4	227.8	650.6	22.98	399.2	314.6	240.6	628.9	22.15	392.5
4ATLCS-440A	396.6	245.4	792.9	28.39	476	382.9	258.9	765.8	26.65	466.8	368.9	273.4	737.8	24.84	457.5
4ATLCS-500A	436.8	275.9	872.9	27.54	525.8	422.3	290.9	844.2	28.68	516.4	407.5	307.4	814.5	26.78	506.9
4ATLCS-560A	496.9	315	993.9	27.42	598.8	480.7	331.5	960.9	25.58	587.9	463.9	349.9	927.5	23.72	577

Note:

- 1MBH=10000 Btu/hr
- QE: Actual Evaporator Cooling Capacity
- QC: Condenser Total Heat Rejection
- P.D.: Water Pressure Drop (Ft.W.G.)
- W.F.D : Water Flow Data
- WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz
- MVR: Compressor Motor Version

Performance Data

Air Cooled Chiller Evap. Leaving Water Temp. 46°F (cont.)

Model	Condensing Temperature									
	125°F					130°F				
	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC	QE	WC	Evap. W.F.D. (ΔT=10°F)		QC
	MBH	KW	GPM	PD	MBH	MBH	KW	GPM	PD	MBH
1ATLCS-50A	39.6	36	78.9	3.37	50.9	37.8	38	75.5	3.13	49.8
1ATLCS-60A	46.6	40.5	92.9	4.37	59.7	44.5	42.9	88.9	4.09	58.3
1ATLCS-70A	53.6	45.9	106.9	4.30	68.4	51.2	48.6	102.3	3.83	66.9
1ATLCS-80A	65.9	55.9	131.8	6.86	84	63.5	59.3	126.8	6.39	82.7
1ATLCS-90A	75.9	63.8	151.8	8.74	96.6	73.3	67.7	146.3	8.21	94.9
1ATLCS-110A	88.8	72.5	177.4	9.17	112.3	85	76.8	169.9	8.51	109.8
1ATLCS-125A	98.3	81.5	196.3	11.59	124.7	94.4	86.2	188.7	10.79	122.3
1ATLCS-140A	111.8	92.7	223.4	10.25	141.7	107.5	99	214.7	9.47	139.3
1ATLCS-180A	112.13	92.6	224.5	*	142.3	108	97.9	215.9	*	139.8
1ATLCS-210A	176.02	140.6	352.3	*	221.7	169.8	148.4	339.6	*	217.8
2ATLCS-100A	78.9	71	157.8	7.42	101.7	75.3	74	150.5	6.78	99.4
2ATLCS-120A	93	80.8	185.8	10.49	119	88.8	85.3	177.4	9.62	116.4
2ATLCS-140A	107	91.8	213.8	9.37	136.7	102.3	96.9	204.3	8.52	133.6
2ATLCS-160A	131.9	111.8	263.4	13.64	167.9	126.8	118.2	253.4	12.46	165
2ATLCS-180A	151.9	127.4	303.4	21.18	192.9	146.3	134.9	292.2	20.32	189.8
2ATLCS-220A	177.4	144.8	354.6	22.78	224.2	169.9	153.4	339.9	20.88	219.7
2ATLCS-250A	196.2	162.8	392.2	21.62	248.8	188.6	172.4	376.9	22.67	244.2
2ATLCS-280A	223.4	186	446.6	21.59	283.4	214.8	197	429.3	19.67	278.2
2ATLCS-360A	224.4	185	448.6	21.58	284.3	215.9	197.6	431.7	20.73	279.2
2ATLCS-420A	352.2	281	704.2	*	443.3	339.7	296.5	678.9	*	435.7
3ATLCS-150A	118.4	106	236.5	16.05	152.4	112.9	112	225.7	15.23	148.9
3ATLCS-180A	139.4	121	278.6	19.29	178.6	133	127.9	265.9	18.30	174.5
3ATLCS-210A	160.4	137.6	320.6	21.79	204.9	153.3	145.4	306.3	19.88	200.4
3ATLCS-240A	197.6	167.5	395	25.99	251.9	189.9	177.4	379.9	24.06	247.7
3ATLCS-270A	227.4	190.9	455	20.99	289.5	219.2	202.4	438.3	20.13	284.7
3ATLCS-330A	265.9	217	531.9	22.48	336.3	254.8	229.9	509.6	20.58	329.5
3ATLCS-375A	294.2	244	588.4	*	373.3	282.8	258.4	565.4	*	366.5
3ATLCS-420A	334.9	277.6	669.9	*	424.9	322	29	643.9	*	417.4
4ATLCS-200A	157.7	141	315.6	20.02	203.2	150.6	148	300.9	17.95	198.6
4ATLCS-240A	185.9	161.4	371.4	22.97	238	177.4	170.6	354.7	20.77	232.6
4ATLCS-280A	213.9	183.4	427.4	20.46	273.3	204.2	193.8	408.2	18.31	266.9
4ATLCS-320A	263.4	223.5	526.7	13.74	335.8	253.4	236.6	506.6	12.54	329.9
4ATLCS-360A	303.4	254.6	606.7	21.29	385.8	292.3	269.8	584.3	20.41	379.6
4ATLCS-440A	354.6	289.4	708.9	22.98	448.3	339.9	306.6	679.4	21.07	439
4ATLCS-500A	392.2	325.4	784.3	21.82	497.7	377	344.6	753.8	22.85	488.6
4ATLCS-560A	446.6	371	892.9	21.79	566.7	429.3	392	858.6	19.87	556.3

Note:

1MBH=10000 Btu/hr

QE: Actual Evaporator Cooling Capacity

QC: Condenser Total Heat Rejection

P.D.: Water Pressure Drop (Ft.W.G.)

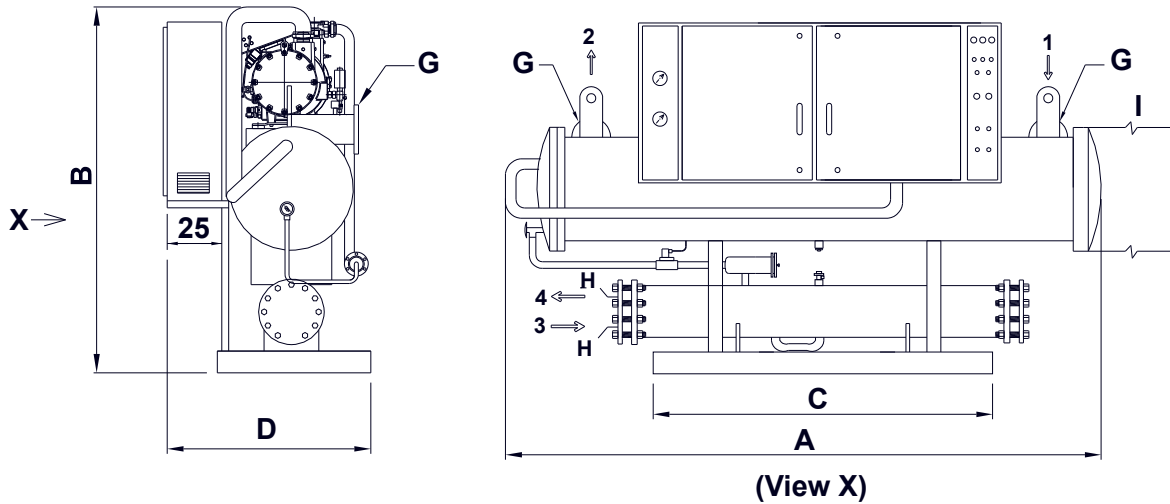
W.F.D : Water Flow Data

WC: Compressor Motor Power Input at 380v, 3Ø, 50Hz

MVR: Compressor Motor Version

Dimensions

Water Cooled Screw Chiller with One Compressor



Dimensions(1)

Model	A	B	C	D	I	G	H
1ATLCS-50W	2420	1560	900	1060	2100	3"	3"
1ATLCS-60W	2420	1560	900	1060	2100	3"	3"
1ATLCS-70W	2420	1610	1200	1060	2100	4"	3"
1ATLCS-80W	2420	1610	1200	1060	2100	4"	3"
1ATLCS-90W	2420	1660	1200	1060	2100	5"	4"
1ATLCS-100W	2420	1860	1200	1060	2100	5"	4"
1ATLCS-110W	2470	1910	1550	1210	2100	5"	4"
1ATLCS-125W	2470	1910	1550	1210	2100	5"	5"

Dimensions(2)

Model	A	B	C	D	I	G	H
1ATLCS-50W	2420	1610	900	1060	2100	3"	3"
1ATLCS-60W	2420	1610	900	1060	2100	3"	3"
1ATLCS-70W	2420	1610	1200	1060	2100	4"	3"
1ATLCS-80W	2420	1760	1200	1060	2100	4"	3"
1ATLCS-90W	2420	1760	1200	1060	2100	5"	4"
1ATLCS-110W	2470	1910	1550	1210	2100	5"	4"
1ATLCS-125W	2470	1910	1550	1210	2100	5"	5"

Note:

- 1: Evaporator water inlet.
- 2: Evaporator water outlet.
- 3: Condenser water inlet.
- 4: Condenser water outlet.

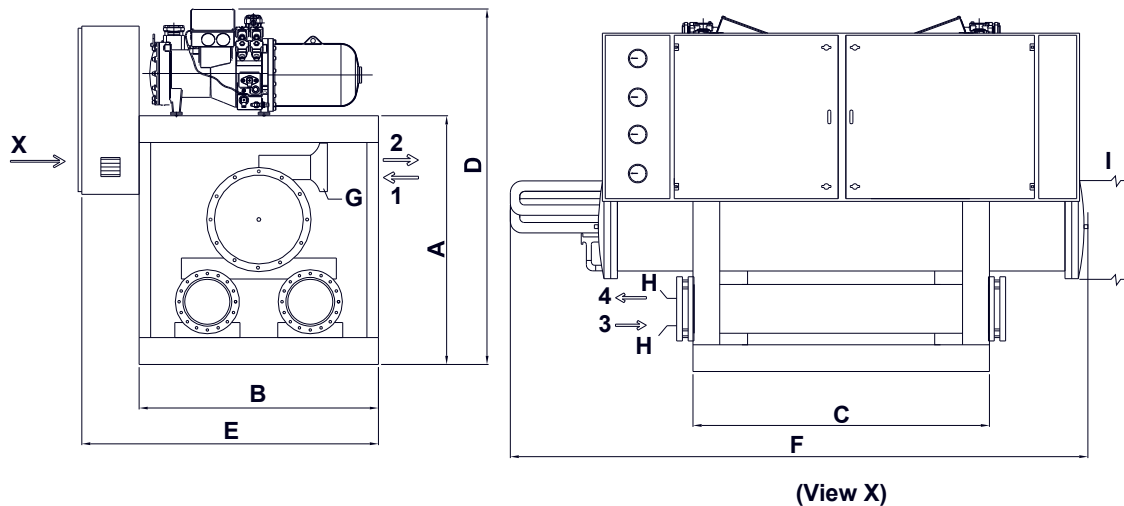
Dimensions (1): Dimensions of screw chillers witch operate with R22 & R134a(MVR1).

Dimensions (2): Dimensions of screw chillers witch operate with R134a(MVR2).

All dimension in mm.

Dimensions

Water Cooled Screw Chiller with Two Compressors



Dimensions(1)

Model	A	B	C	D	E	F	I	G	H
2ATLCS-100W	1240	1250	1220	1830	1510	2420	2300	5"	4×3"
2ATLCS-120W	1240	1250	1220	1830	1510	2420	2300	5"	4×3"
2ATLCS-140W	1460	1400	1350	2070	1660	2470	2300	5"	4×3"
2ATLCS-160W	1460	1400	1500	2070	1660	3470	3500	5"	4×3"
2ATLCS-180W	1460	1400	1500	2070	1660	3470	3500	6"	4×4"
2ATLCS-200W	1500	1400	1500	2110	1660	3470	3500	6"	4×4"
2ATLCS-220W	1500	1600	1500	2270	1860	4520	4500	6"	4×4"
2ATLCS-250W	1500	1600	1500	2270	1860	4520	4500	6"	4×5"

Dimensions(2)

Model	A	B	C	D	E	F	I	G	H
2ATLCS-100W	1240	1400	1220	1880	1660	2420	2300	5"	4×3"
2ATLCS-120W	1240	1400	1220	1880	1660	2420	2300	5"	4×3"
2ATLCS-140W	1460	1400	1350	2070	1660	2470	2300	5"	4×3"
2ATLCS-160W	1460	1600	1500	2230	1860	3470	3500	5"	4×3"
2ATLCS-180W	1460	1600	1500	2230	1860	3470	3500	6"	4×4"
2ATLCS-220W	1500	1600	1500	2270	1860	4520	4500	6"	4×4"
2ATLCS-250W	1500	1600	1500	2270	1860	4520	4500	6"	4×5"

Note:

- 1: Evaporator water inlet.
- 2: Evaporator water outlet.
- 3: Condenser water inlet.
- 4: Condenser water outlet.

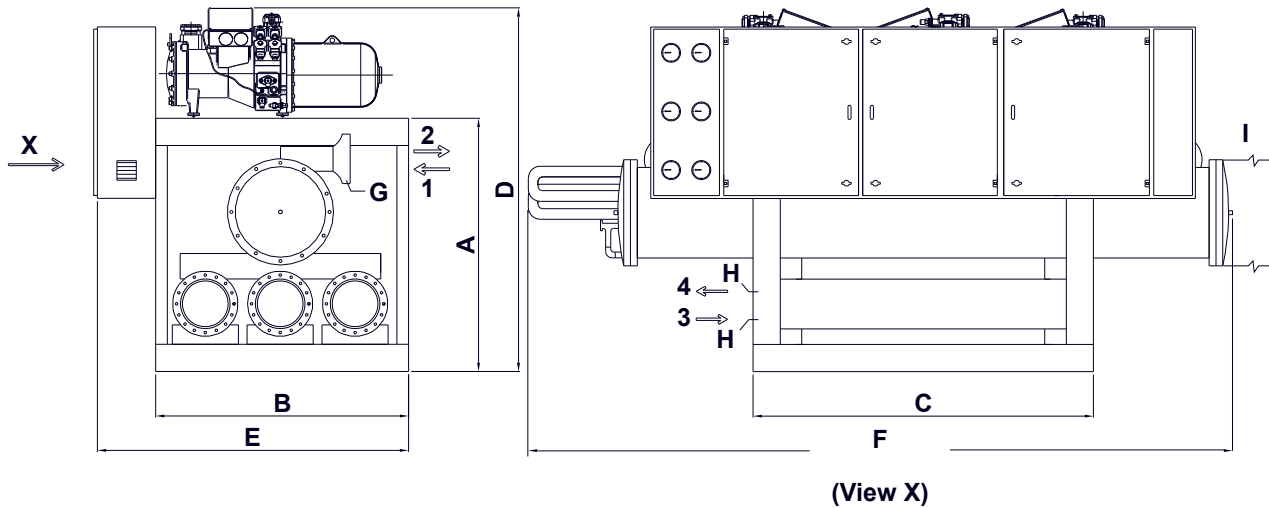
Dimensions (1): Dimensions of screw chillers which operate with R22 & R134a(MVR1).

Dimensions (2): Dimensions of screw chillers which operate with R134a(MVR2).

All dimension in mm.

Dimensions

Water Cooled Screw Chiller with Three Compressors



Dimensions(1)

Model	A	B	C	D	E	F	I	G	H
3ATLCS-150W	1350	1300	1750	1990	1560	3520	3500	5"	6×3"
3ATLCS-180W	1350	1300	1750	1990	1560	3570	3500	6"	6×3"
3ATLCS-210W	1400	1430	1900	2060	1690	3570	3500	6"	6×3"
3ATLCS-240W	1450	1430	1900	2110	1690	4570	4500	6"	6×3"

Dimensions(2)

Model	A	B	C	D	E	F	I	G	H
3ATLCS-150W	1350	1430	1750	2040	1690	3520	3500	5"	6×3"
3ATLCS-180W	1350	1430	1750	2040	1690	3570	3500	6"	6×3"
3ATLCS-210W	1400	1430	1900	2060	1690	3570	3500	6"	6×3"
3ATLCS-240W	1450	1600	2300	2260	2560	4570	4500	6"	6×3"

NOTE:

1: Evaporator water inlet.

2: Evaporator water outlet.

3: Condenser water inlet.

4: Condenser water outlet.

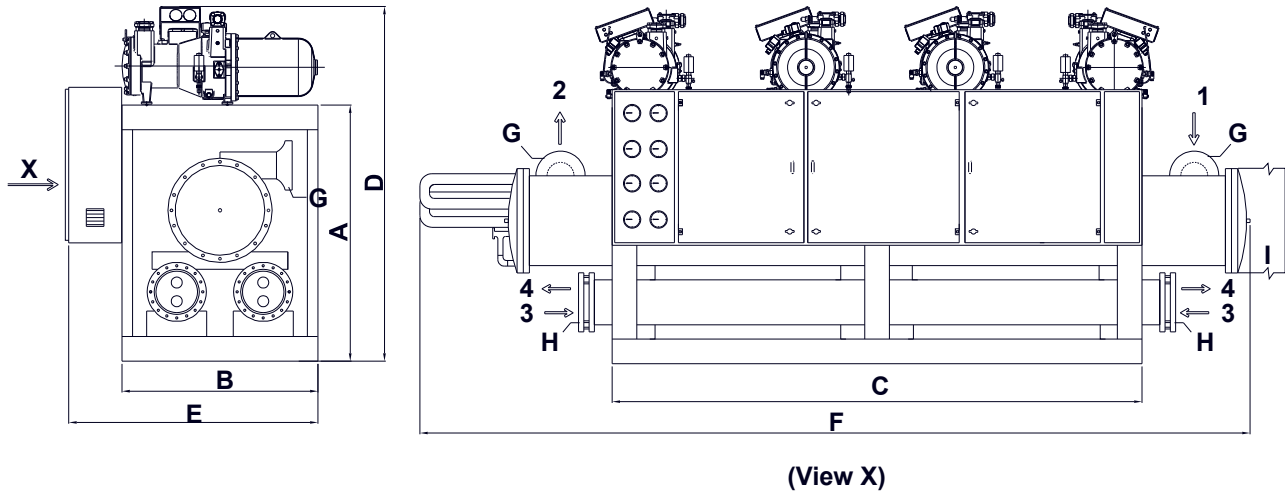
Dimensions (1): Dimensions of screw chillers witch operate with R22 & R134a(MVR1).

Dimensions (2): Dimensions of screw chillers witch operate with R134a(MVR2).

All dimension in mm.

Dimensions

Water Cooled Screw Chiller with Four Compressors



Dimensions(1)

Model	A	B	C	D	E	F	I	G	H
4ATLCS-200W	1240	1250	2900	2080	1510	4570	4500	6"	8×3"
4ATLCS-240W	1240	1250	2900	2080	1510	4570	4500	6"	8×3"
4ATLCS-280W	1240	1400	2900	2360	1660	4670	4500	6"	8×3"

Dimensions(2)

Model	A	B	C	D	E	F	I	G	H
4ATLCS-200W	1240	1400	2900	2250	1650	4550	4500	6"	8×3"
4ATLCS-240W	1240	1400	2900	2250	1650	4550	4500	6"	8×3"
4ATLCS-280W	1240	1400	2900	2350	1650	4650	4500	6"	8×3"

NOTE:

- 1: Evaporator water inlet.
- 2: Evaporator water outlet.
- 3: Condenser water inlet.
- 4: Condenser water outlet.

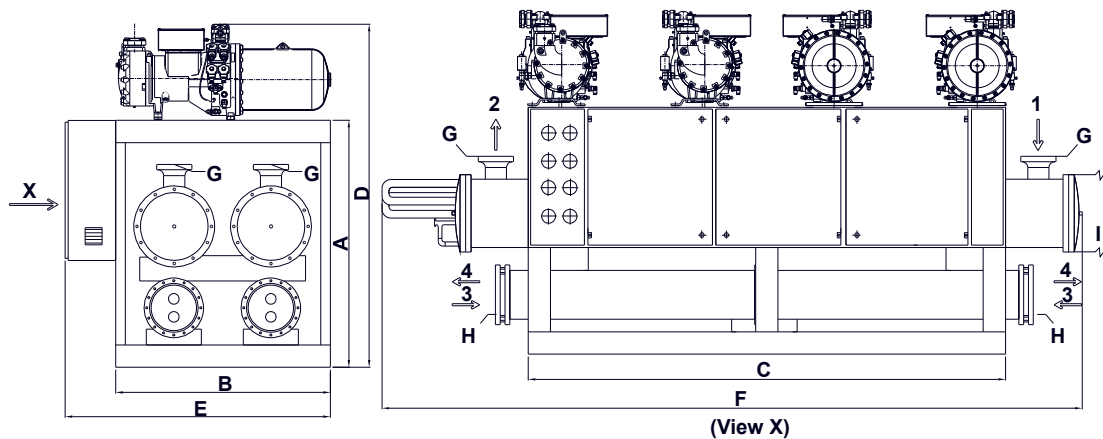
Dimensions (1): Dimensions of screw chillers witch operate with R22 & R134a(MVR1).

Dimensions (2): Dimensions of screw chillers witch operate with R134a(MVR2).

All dimension in mm.

Dimensions

Water Cooled Screw Chiller with Four Compressors (Cont.)



Dimensions(1)

Model	A	B	C	D	E	F	I	G	H
4ATLCS-320W	1520	1400	2200	2160	1660	3670	3500	4×5"	8×3"
4ATLCS-360W	1570	1400	2200	2210	1660	3670	3500	4×6"	8×4"
4ATLCS-400W	1750	1600	3000	2610	1860	4720	4500	4×6"	8×4"
4ATLCS-440W	1750	1600	3000	2610	1860	4720	4500	4×6"	8×4"
4ATLCS-500W	1800	1600	3000	2660	1860	4720	4500	4×6"	8×5"
4ATLCS-560W	1800	1600	3000	2660	1860	4720	4500	4×6"	8×5"

Dimensions(2)

Model	A	B	C	D	E	F	I	G	H
4ATLCS-320W	1750	1600	2200	2610	1660	3670	3500	4×5"	8×3"
4ATLCS-360W	1750	1600	2200	2610	1660	3670	3500	4×6"	8×4"
4ATLCS-440W	1800	1600	3000	2660	1860	4720	4500	4×6"	8×4"
4ATLCS-500W	1850	1600	3000	2710	1860	4720	4500	4×6"	8×5"
4ATLCS-560W	1900	1600	3000	2760	1860	4720	4500	4×6"	8×5"

Note:

- 1: Evaporator water inlet.
- 2: Evaporator water outlet.
- 3: Condenser water inlet.
- 4: Condenser water outlet.

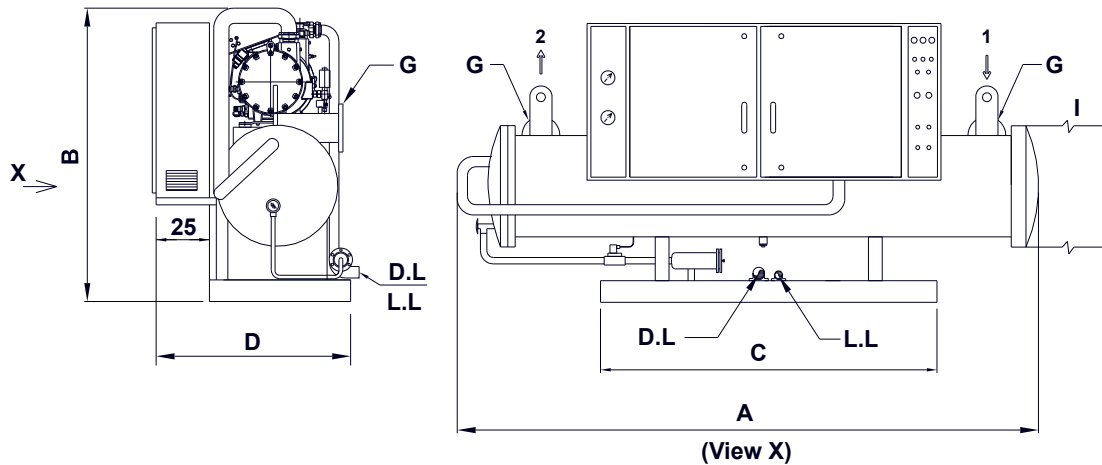
Dimensions (1): Dimensions of screw chillers witch operate with R22 & R134a(MVR1).

Dimensions (2): Dimensions of screw chillers witch operate with R134a(MVR2).

All dimension in mm.

Dimensions

Air Cooled Screw Chiller with One Compressor



Dimensions(1)

Model	A	B	C	D	I	G	D.L.	L.L.
1ATLCS-50A	2420	1310	900	1060	2100	3"	1 5/8"	1 3/8"
1ATLCS-60A	2420	1310	900	1060	2100	3"	1 5/8"	1 3/8"
1ATLCS-70A	2420	1460	1200	1060	2100	4"	2 1/8"	1 5/8"
1ATLCS-80A	2420	1460	1200	1060	2100	4"	2 1/8"	1 5/8"
1ATLCS-90A	2420	1460	1200	1060	2100	5"	2 1/8"	1 5/8"
1ATLCS-100A	2420	1560	1200	1060	2100	5"	2 1/8"	1 5/8"
1ATLCS-110A	2470	1710	1550	1210	2100	5"	3 1/8"	2 1/8"
1ATLCS-125A	2470	1710	1550	1210	2100	5"	3 1/8"	2 1/8"

Dimensions(2)

Model	A	B	C	D	I	G	D.L.	L.L.
1ATLCS-50A	2420	1460	1200	1060	2100	3"	2 1/8"	1 5/8"
1ATLCS-60A	2420	1460	1200	1060	2100	3"	2 1/8"	1 5/8"
1ATLCS-70A	2420	1460	1200	1060	2100	4"	2 1/8"	1 5/8"
1ATLCS-80A	2470	1710	1550	1210	2100	4"	3 1/8"	2 1/8"
1ATLCS-90A	2470	1710	1550	1210	2100	5"	3 1/8"	2 1/8"
1ATLCS-110A	2470	1710	1550	1210	2100	5"	3 1/8"	2 1/8"
1ATLCS-125A	2470	1710	1550	1210	2100	5"	3 1/8"	2 1/8"

Note:

1: Evaporator water inlet.

2: Evaporator water outlet.

L.L: Liquid Line.

D.L: Discharge Line.

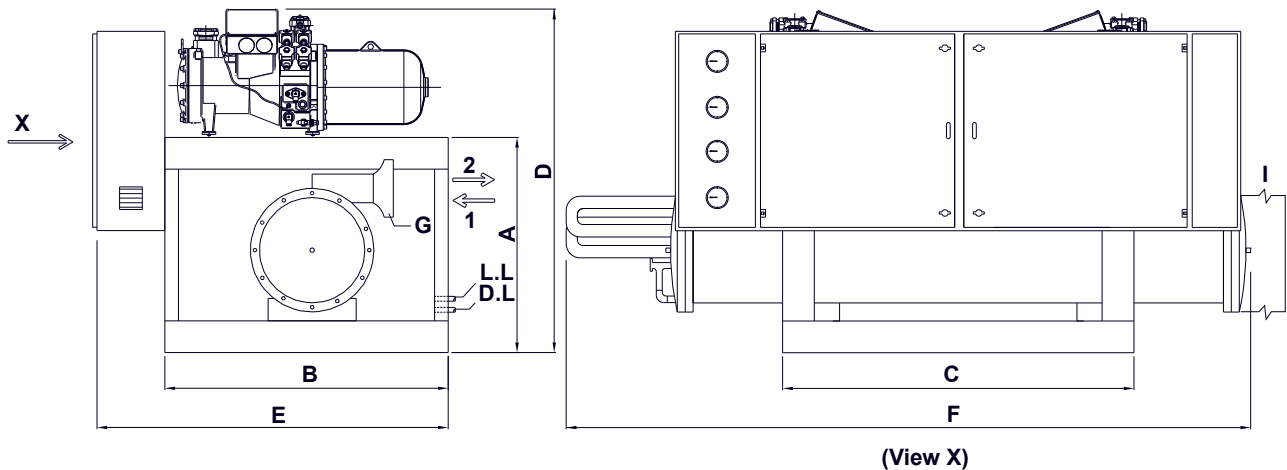
Dimension (1): Dimension of screw chillers witch operate with R22 & R134a(MVR1).

Dimension (2): Dimension of screw chillers witch operate with R134a(MVR2).

All dimension in mm.

Dimensions

Air Cooled Screw Chiller with Two Compressors



Dimensions(1)

Model	A	B	C	D	E	F	I	G	D.L.	L.L.
2ATLCS-100A	1000	1250	1220	1580	1510	2420	2300	5"	2×1 5/8"	2×1 3/8"
2ATLCS-120A	1000	1250	1220	1580	1510	2420	2300	5"	2×1 5/8"	2×1 3/8"
2ATLCS-140A	1000	1400	1350	1710	1660	2470	2300	5"	2×2 1/8"	2×1 5/8"
2ATLCS-160A	1000	1400	1500	1710	1660	3470	3500	5"	2×2 1/8"	2×1 5/8"
2ATLCS-180A	1050	1400	1500	1710	1660	3470	3500	6"	2×2 1/8"	2×1 5/8"
2ATLCS-200A	1100	1400	1500	1710	1660	3470	3500	6"	2×2 1/8"	2×1 5/8"
2ATLCS-220A	1100	1600	1500	1860	1860	4520	4500	6"	2×3 1/8"	2×2 5/8"
2ATLCS-250A	1100	1600	1500	1860	1860	4520	4500	6"	2×3 1/8"	2×2 5/8"

Dimensions(2)

Model	A	B	C	D	E	F	I	G	D.L.	L.L.
2ATLCS-100A	1000	1400	1350	1710	1660	2470	2300	5"	2×2 1/8"	2×1 5/8"
2ATLCS-120A	1000	1400	1350	1710	1660	2470	2300	5"	2×2 1/8"	2×1 5/8"
2ATLCS-140A	1000	1400	1350	1710	1660	2470	2300	5"	2×2 1/8"	2×1 5/8"
2ATLCS-160A	1000	1600	1500	1860	1910	3470	3500	5"	2×3 1/8"	2×2 5/8"
2ATLCS-180A	1000	1600	1500	1860	1910	3470	3500	6"	2×3 1/8"	2×2 5/8"
2ATLCS-220A	1100	1600	1500	1860	1860	4520	4500	6"	2×3 1/8"	2×2 5/8"
2ATLCS-250A	1150	1600	1500	1860	1860	4520	4500	6"	2×3 1/8"	2×2 5/8"

NOTE:

1: Evaporator water inlet.

2: Evaporator water outlet.

L.L: Liquid Line.

D.L: Discharge Line.

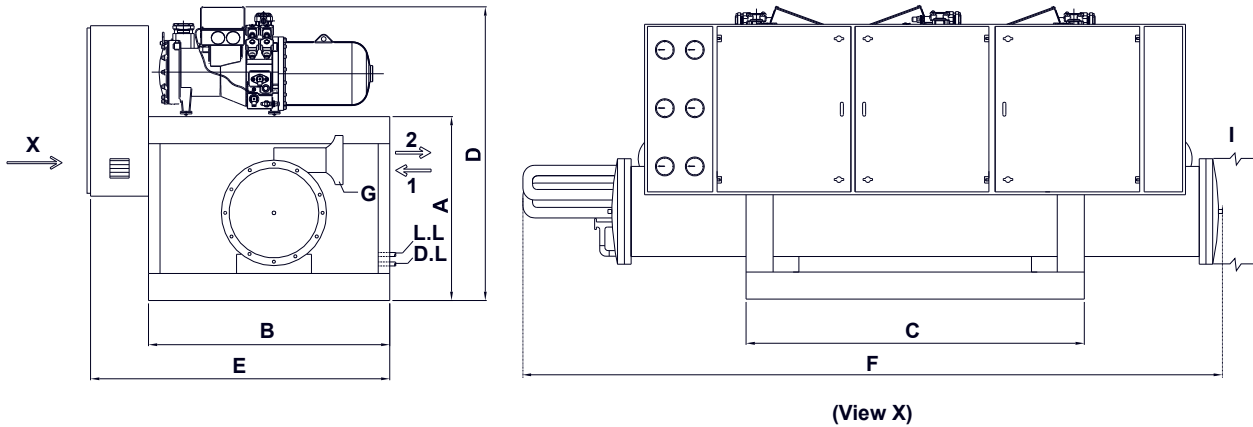
Dimension (1): Dimension of screw chillers witch operate with R22 & R134a(MVR1).

Dimension (2): Dimension of screw chillers witch operate with R134a(MVR2).

All dimension in mm.

Dimensions

Air Cooled Screw Chiller with Three Compressors



Dimensions(1)

Model	A	B	C	D	E	F	I	G	D.L.	L.L.
3ATLCS-150A	1000	1250	1750	1580	1510	3470	3500	5"	3×1 5/8"	3×1 3/8"
3ATLCS-180A	1000	1250	1750	1580	1510	3470	3500	6"	3×1 5/8"	3×1 3/8"
3ATLCS-210A	1090	1400	1900	1700	1690	3520	3500	6"	3×2 1/8"	3×1 5/8"
3ATLCS-240A	1090	1400	1900	1700	1690	4670	4500	6"	3×2 1/8"	3×1 5/8"

Dimensions(2)

Model	A	B	C	D	E	F	I	G	D.L.	L.L.
3ATLCS-150A	1000	1400	1900	1630	1690	3470	3500	5"	3×2 1/8"	3×1 5/8"
3ATLCS-180A	1000	1400	1900	1630	1690	3470	3500	6"	3×2 1/8"	3×1 5/8"
3ATLCS-210A	1050	1400	1900	1630	1690	3520	3500	6"	3×2 1/8"	3×1 5/8"
3ATLCS-240A	1100	1600	2300	1840	1860	4570	4500	6"	3×3 1/8"	3×2 5/8"

NOTE:

1: Evaporator water inlet.

2: Evaporator water outlet.

L.L: Liquid Line.

D.L: Discharge Line.

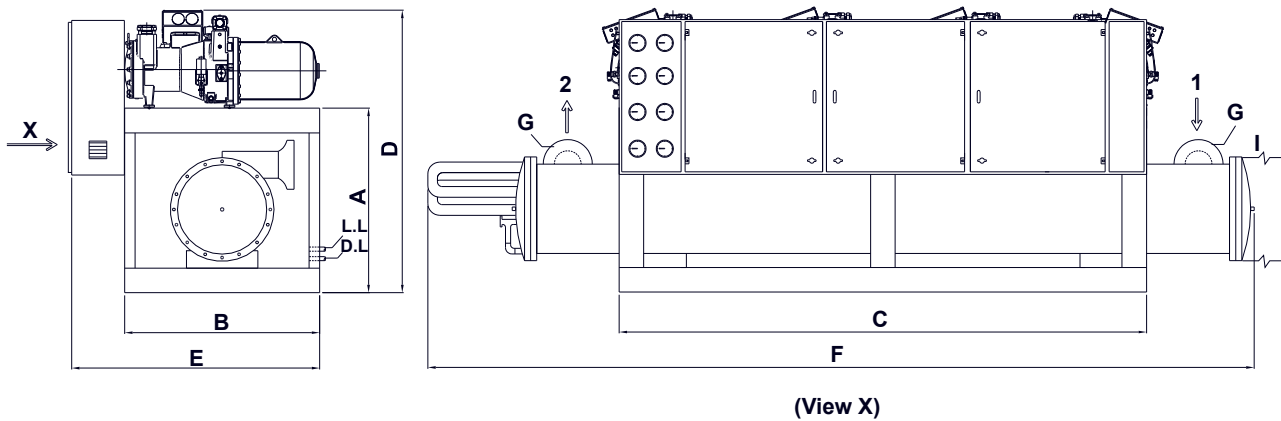
Dimension (1): Dimension of screw chillers witch operate with R22 & R134a(MVR1).

Dimension (2): Dimension of screw chillers witch operate with R134a(MVR2).

All dimension in mm.

Dimensions

Air Cooled Screw Chiller with Four Compressors



Dimensions(1)

Model	A	B	C	D	E	F	I	G	D.L.	L.L.
4ATLCS-200A	1240	1250	2900	1870	1510	4570	4500	6"	4×1 5/8"	4×1 3/8"
4ATLCS-240A	1240	1250	2900	1870	1510	4570	4500	6"	4×1 5/8"	4×1 3/8"
4ATLCS-280A	1240	1400	2900	1880	1510	4620	4500	6"	4×2 1/8"	4×1 5/8"

Dimensions(2)

Model	A	B	C	D	E	F	I	G	D.L.	L.L.
4ATLCS-200A	1240	1400	2900	1880	1510	4570	4500	6"	4×2 1/8"	4×1 5/8"
4ATLCS-240A	1240	1600	2900	2060	1860	4670	4500	6"	4×2 1/8"	4×1 5/8"
4ATLCS-280A	1240	1600	2900	2060	1860	4670	4500	6"	4×2 1/8"	4×1 5/8"

NOTE:

1: Evaporator water inlet.

2: Evaporator water outlet.

L.L: Liquid Line.

D.L: Discharge Line.

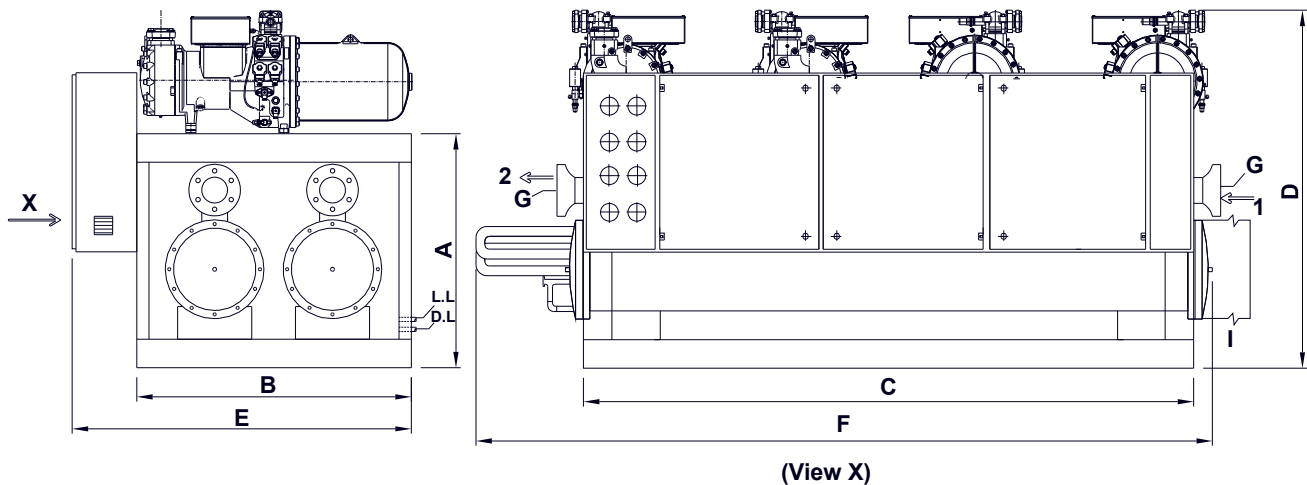
Dimension (1): Dimension of screw chillers witch operate with R22 & R134a(MVR1).

Dimension (2): Dimension of screw chillers witch operate with R134a(MVR2).

All dimension in mm.

Dimensions

Air Cooled Screw Chiller with Four Compressors (cont.)



Dimensions(1)

Model	A	B	C	D	E	F	I	G	D.L.	L.L.
4ATLCS-320A	1210	1400	2200	1850	1660	3670	3500	4×5"	4×2 1/8"	4×1 5/8"
4ATLCS-360A	1260	1400	2200	1900	1760	3670	3500	4×6"	4×2 1/8"	4×1 5/8"
4ATLCS-400A	1360	1600	3000	2200	1860	4720	4500	4×6"	4×2 1/8"	4×1 5/8"
4ATLCS-440A	1360	1600	3000	2200	1860	4720	4500	4×6"	4×3 1/8"	4×2 5/8"
4ATLCS-500A	1360	1600	3000	2200	1860	4720	4500	4×6"	4×3 1/8"	4×2 5/8"
4ATLCS-560A	1410	1600	3000	2200	1910	4720	4500	4×6"	4×3 1/8"	4×2 5/8"

Dimensions(2)

Model	A	B	C	D	E	F	I	G	D.L.	L.L.
4ATLCS-320A	1210	1600	3000	2200	1860	4720	3500	4×5"	4×3 1/8"	4×2 5/8"
4ATLCS-360A	1260	1600	3000	2200	1860	4720	3500	4×6"	4×3 1/8"	4×2 5/8"
4ATLCS-440A	1360	1600	3000	2200	1860	4720	4500	4×6"	4×3 1/8"	4×2 5/8"
4ATLCS-500A	1360	1600	3000	2200	1860	4720	4500	4×6"	4×3 1/8"	4×2 5/8"
4ATLCS-560A	1410	1600	3000	2200	1910	4720	4500	4×6"	4×3 1/8"	4×2 5/8"

Note:

1: Evaporator water inlet.

2: Evaporator water outlet.

L.L: Liquid Line.

D.L: Discharge Line.

Dimension (1): Dimension of screw chillers witch operate with R22, R407C & R134a(MVR1).

Dimension (2): Dimension of screw chillers witch operate with R134a(MVR2).

All dimension in mm.

Technical Data (One Compressor, Refrigerant=R22)

Model			One Compressor Model (R22)											
			1ATLCS-50		1ATLCS-60		1ATLCS-70		1ATLCS-80		1ATLCS-90		1ATLCS-100	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	50		60		70		80		90		100	
		RLA	55.1	72	67	88.5	76	98.5	89	116.5	96	130.5	110	144
		FLA	63	75	75	91.5	87	103.5	102	122	109.5	135	124.5	152.5
		MOC	86	86	108	108	128	128	144	144	162	162	170	170
		LRA	218	218	269	269	290	290	350	350	423	423	479	479
	System	Max KW Input	37	52	44.5	65	52	78	61.5	88	67.5	96	76.5	95.2
		FLA	63	75	75	91.5	87	103.5	102	122	109.5	135	124.5	152.5
		MOC	86	86	108	108	128	128	144	144	162	162	170	170
		Max KW Input	37	47.5	44.5	58.5	52	67	61.5	78.5	67.5	89	76.5	95.2
		Cable Size	4x35	4x35	4x35	3x50+25	3x50+25	3x70+35	3x70+25	3x95+50	3x70+35	3x95+50	3x95+50	3x120+70
Physical Data	oil Charge(U.S gals)	2.5	2.5	2.5	2.5	4	4	4	4	4	4	4	4	
	Ref. Charge(Kg)	25	15	30	18	35	21	40	24	45	27	51	32	
	Oper. Weight	1375	1175	1375	1175	2058	1608	2091	1631	2250	1810	2360	2100	

Model			One Compressor Model (R22)									
			1ATLCS-110		1ATLCS-125		1ATLCS-140		1ATLCS-180		1ATLCS-210	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	110		125		140		180		210	
		RLA	118	155.5	139	182.6	154.5	208	190	255	230	306
		FLA	136	164	159.5	191	175.5	215	221	269	266	321
		MOC	180	180	216	216	246	246	330	330	370	370
		LRA	520	520	612	612	665	665	465	465	586	586
	System	Max KW Input	82	110	95.5	132	105.5	150	138	205	162.5	246
		FLA	136	164	159.5	191	175.5	215	221	269	266	321
		MOC	180	180	216	216	246	246	330	330	370	370
		Max KW Input	82	105.5	95.5	122	105.5	139	138	177.5	162.5	207
		Cable Size	3x95+50	3x120+70	3x120+70	3x150+70	3x150+70	3x185+95	3x185+95	3x300+150	3x(3x120+70)	2x(3x95+50)
Physical Data	oil Charge(U.S gals)	6	6	6	6	6	6	*	*	*	*	
	Ref. Charge(Kg)	55	33	63	38	70	42	*	*	*	*	
	Oper. Weight	2630	2420	2840	2440	3010	2560	*	*	*	*	

NOTE:

- LRA: Locked Rotor Amps
- MOC: Maximum Operating Current
- FLA: Full Load Amps
- RLA: Rated Load Amps
- Lubrication oil type : B320 SH

Technical Data (Two Compressors, Refrigerant=R22)

Model			Two Compressors Model (R22)											
			2ATLCS-100		2ATLCS-120		2ATLCS-140		2ATLCS-160		2ATLCS-180		2ATLCS-200	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	50		60		70		80		90		100	
		RLA	55.1	72	67	88.5	76	98.5	89	117	96	131	110	144
		FLA	63	75	75	91.5	87	104	102	122	110	135	125	153
		MOC	86	86	108	108	128	128	144	144	162	162	170	170
		LRA	218	218	269	269	290	290	350	350	423	423	479	479
		Max KW Input	37	52	44.5	65	52	78	61.5	88	67.5	96	76.5	95.2
	System	FLA	126	150	150	183	174	207	204	244	219	270	249	305
		MOC	172	172	216	216	256	256	288	288	324	324	340	340
		Max KW Input	74	104	89	130	104	156	123	176	135	192	153	190
		Cable Size	3×95+50	3×95+50	3×95+50	3×120+70	3×120+70	3×150+70	3×150+70	3×240+120	3×185+95	3×300+120	3×240+120	2×(3×120+70)
Physical Data	oil Charge(U.S gals)	5	5	5	5	8	8	8	8	8	8	8	8	
	Ref. Charge(Kg)	50	30	60	36	70	42	80	48	90	54	100	61	
	Oper. Weight	2459	2000	2459	2000	3925	3145	3956	3176	4100	3321	4510	3780	

Model			Two Compressors Model (R22)									
			2ATLCS-220		2ATLCS-250		2ATLCS-280		2ATLCS-360		2ATLCS-420	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	110		125		140		180		210	
		RLA	118	156	139	183	155	208	190	255	230	306
		FLA	136	164	160	191	176	215	221	269	266	321
		MOC	180	180	216	216	246	246	330	330	370	370
		LRA	520	520	612	612	665	665	465	465	586	586
		Max KW Input	82	110	95.5	132	106	150	138	205	163	246
	System	FLA	272	328	319	382	351	430	442	538	532	642
		MOC	360	360	432	432	492	492	660	660	740	740
		Max KW Input	164	220	191	264	211	300	276	410	325	492
		Cable Size	3×240+120	2×(3×120+70)	3×300+150	2×(3×150+70)	2×(3×150+70)	2×(3×185+95)	2×(3×185+95)	2×(3×300+150)	2×(3×240+120)	3×(3×185+95)
Physical Data	oil Charge(U.S gals)	11.7	11.7	11.7	11.7	11.7	11.7	*	*	*	*	
	Ref. Charge(Kg)	110	66	125	75	140	84	*	*	*	*	
	Oper. Weight	5017	4237	5320	4530	6330	5400	*	*	*	*	

NOTE:

- LRA: Locked Rotor Amps
- MOC: Maximum Operating Current
- FLA: Full Load Amps
- RLA: Rated Load Amps
- Lubrication oil type : B320 SH

Technical Data (Three Compressors, Refrigerant=R22)

Model			Three Compressors Model (R22)									
			3ATLCS-150		3ATLCS-180		3ATLCS-210		3ATLCS-240		3ATLCS-270	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	50		60		70		80		90	
		RLA	55.1	72	67	88.5	76	98.5	89	117	96	131
		FLA	63	75	75	91.5	87	104	102	122	110	135
		MOC	86	86	108	108	128	128	144	144	162	162
		LRA	218	218	269	269	290	290	350	350	423	423
		Max KW Input	37	52	44.5	65	52	78	61.5	88	67.5	96
	System	FLA	189	225	225	275	261	311	306	366	329	405
		MOC	258	258	324	324	384	384	432	432	486	486
		Max KW Input	111	156	134	195	156	234	185	264	203	288
		Cable Size	3x150+70	3x240+120	3x185+95	3x300+120	3x240+120	2x(3x120+70)	3x300+150	2x(3x150+70)	2x(3x120+70)	2x(3x185+95)
Physical Data	oil Charge(U.S gals)	7.5	7.5	7.5	7.5	12	12	12	12	12	12	
	Ref. Charge(Kg)	75	45	90	54	105	63	120	72	135	81	
	Oper. Weight	3285	2685	3574	2869	5281	4111	5350	4180	5700	5000	

Model			Three Compressors Model (R22)							
			3ATLCS-300		3ATLCS-330		3ATLCS-375		3ATLCS-420	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	100		110		125		140	
		RLA	110	144	118	156	139	183	155	208
		FLA	125	153	136	164	160	191	176	215
		MOC	170	170	180	180	216	216	246	246
		LRA	479	479	520	520	612	612	665	665
		Max KW Input	76.5	95.2	82	110	95.5	132	106	150
	System	FLA	374	458	408	492	479	573	527	645
		MOC	510	510	540	540	648	648	738	738
		Max KW Input	230	286	246	330	287	396	317	450
		Cable Size	2x(3x150+70)	2x(3x240+120)	2x(3x150+70)	2x(3x240+120)	2x(3x240+120)	2x(3x300+150)	2x(3x240+120)	3x(3x185+95)
Physical Data	oil Charge(U.S gals)	12	12	17.5	17.5	*	*	*	*	
	Ref. Charge(Kg)	150	91	165	99	*	*	*	*	
	Oper. Weight	6550	5900	7685	6985	*	*	*	*	

NOTE:

- LRA: Locked Rotor Amps
- MOC: Maximum Operating Current
- FLA: Full Load Amps
- RLA: Rated Load Amps
- Lubrication oil type : B320 SH

Technical Data (Four Compressors, Refrigerant=R22)

Model			Four Compressors Model (R22)									
			4ATLCS-200		4ATLCS-240		4ATLCS-280		4ATLCS-320		4ATLCS-360	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	50		60		70		80		90	
		RLA	55.1	72	67	88.5	76	98.5	89	117	96	131
		FLA	63	75	75	91.5	87	104	102	122	110	135
		MOC	86	86	108	108	128	128	144	144	162	162
		LRA	218	218	269	269	290	290	350	350	423	423
		Max KW Input	37	52	44.5	65	52	78	61.5	88	67.5	96
	System	FLA	252	300	300	366	348	414	408	488	438	540
		MOC	344	344	432	432	512	512	576	576	648	648
		Max KW Input	148	208	178	260	208	312	246	352	270	384
		Cable Size	3×300+150	3×300+150	2×(3×120+70)	2×(3×150+70)	2×(3×150+70)	2×(3×185+95)	2×(3×185+95)	2×(3×240+120)	2×(3×240+120)	2×(3×300+150)
Physical Data	oil Charge(U.S gals)	10	10	10	10	16	16	16	16	16	16	
	Ref. Charge(Kg)	100	60	120	72	140	84	160	96	180	108	
	Oper. Weight	4845	4045	4905	4105	6780	5900	7500	5980	8365	7165	

Model			Four Compressors Model (R22)							
			4ATLCS-400		4ATLCS-440		4ATLCS-500		4ATLCS-560	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	100		110		125		140	
		RLA	110	144	118	156	139	183	155	208
		FLA	125	153	136	164	160	191	176	215
		MOC	170	170	180	180	216	216	246	246
		LRA	479	479	520	520	612	612	665	665
		Max KW Input	76.5	95.2	82	110	95.5	132	106	150
	System	FLA	498	610	544	656	638	764	702	860
		MOC	680	680	720	720	864	864	984	984
		Max KW Input	306	381	328	440	382	528	422	600
		Cable Size	2×(3×300+150)	3×(3×185+95)	2×(3×300+150)	3×(3×185+95)	3×(3×240+120)	3×(3×240+120)	3×(3×240+120)	3×(3×300+150)
Physical Data	oil Charge(U.S gals)	16	16	23.3	23.3	*	*	*	*	
	Ref. Charge(Kg)	200	122	220	132	*	*	*	*	
	Oper. Weight	9100	7980	10520	8910	*	*	*	*	

NOTE:

- LRA: Locked Rotor Amps
- MOC: Maximum Operating Current
- FLA: Full Load Amps
- RLA: Rated Load Amps
- Lubrication oil type : B320 SH

Technical Data (One Compressor, Refrigerant=R134a, MVR=1)

Model			One Compressor Model (R134a ,MVR=1)									
			1ATLCS-50		1ATLCS-60		1ATLCS-70		1ATLCS-80		1ATLCS-90	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	50		60		70		80		90	
		RLA	39.5	58	48.5	62.5	55.5	72	61.5	81.5	66.6	90
		FLA	43.5	59	53.5	71.5	61	84	68	95	74.5	105
		MOC	86	86	108	108	128	128	144	144	162	162
		LRA	218	218	269	269	290	290	350	350	423	423
		Max KW Input	23	34	28.5	42	33.5	50	37.5	56.5	43	64.5
	System	FLA	43.5	59	53.5	71.5	61	84	68	95	74.5	105
		MOC	86	86	108	108	128	128	144	144	162	162
		Max KW Input	23	34	28.5	42	33.5	50	37.5	56.5	43	64.5
		Cable Size	4x16	4x35	4x25	3x50+25	4x25	3x70+35	4x35	3x95+50	4x35	3x95+50
Physical Data	oil Charge(U.S gals)	2.5	2.5	2.5	2.5	4	4	4	4	4	4	
	Ref. Charge(Kg)	25	15	30	18	35	21	40	24	45	27	
	Oper. Weight	1375	1175	1375	1175	2058	1608	2091	1631	2100	1810	

Model			One Compressor Model (R134a ,MVR=1)									
			1ATLCS-110		1ATLCS-125		1ATLCS-140		1ATLCS-180		1ATLCS-210	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	110		125		140		180		210	
		RLA	82.7	113.5	97	129	109	151	128	182	158	213
		FLA	92.5	132	107	150	121	171.5	145	215	175.5	250
		MOC	180	180	216	216	246	246	330	330	370	370
		LRA	520	520	612	612	665	665	465	465	586	586
		Max KW Input	51.5	79.5	59.5	89	68	103	87	134	101	151.5
	System	FLA	92.5	132	107	150	121	171.5	145	215	175.5	250
		MOC	180	180	216	216	246	246	330	330	370	370
		Max KW Input	51.5	79.5	59.5	89	68	103	87	134	101	151.5
		Cable Size	3x50+25	3x120+70	3x70+35	3x150+70	3x70+35	3x185+95	3x95+50	3x300+150	3x120+70	2x(3x95+50)
Physical Data	oil Charge(U.S gals)	6	6	6	6	6	6	*	*	*	*	
	Ref. Charge(Kg)	55	33	63	38	70	42	*	*	*	*	
	Oper. Weight	2630	2420	2840	2440	3010	2560	*	*	*	*	

NOTE:

- LRA: Locked Rotor Amps
- MOC: Maximum Operating Current
- FLA: Full Load Amps
- RLA: Rated Load Amps
- Lubrication oil type: BSE170

Technical Data (Two Compressors, Refrigerant= R134a, MVR=1)

Model			Two Compressors Model (R134a ,MVR=1)									
			2ATLCS-100		2ATLCS-120		2ATLCS-140		2ATLCS-160		2ATLCS-180	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	50		60		70		80		90	
		RLA	39.5	58	48.5	62.5	55.5	72	61.5	81.5	66.6	90
		FLA	43.5	59	53.5	71.5	61	84	68	95	74.5	105
		MOC	86	86	108	108	128	128	144	144	162	162
		LRA	218	218	269	269	290	290	350	350	423	423
		Max KW Input	23	34	28.5	42	33.5	50	37.5	56.5	43	64.5
	System	FLA	87	118	107	143	122	168	136	190	149	210
		MOC	172	172	216	216	256	256	288	288	324	324
		Max KW Input	46	68	57	84	67	100	75	113	86	129
		Cable Size	3×50+25	3×95+50	3×70+35	3×120+70	3×70+35	3×150+70	3×95+50	3×240+120	3×95+50	3×300+120
Physical Data	oil Charge(U.S gals)	5	5	5	5	8	8	8	8	8	8	
	Ref. Charge(Kg)	50	30	60	36	70	42	80	48	90	54	
	Oper. Weight	2459	2000	2459	2000	3925	3145	3956	3176	4100	3321	

Model			Two Compressors Model (R134a ,MVR=1)									
			2ATLCS-220		2ATLCS-250		2ATLCS-280		2ATLCS-360		2ATLCS-420	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	110		125		140		180		210	
		RLA	82.7	113.5	97	129	109	151	128	182	158	213
		FLA	92.5	132	107	150	121	171.5	145	215	175.5	250
		MOC	180	180	216	216	246	246	330	330	370	370
		LRA	520	520	612	612	665	665	465	465	586	586
		Max KW Input	51.5	79.5	59.5	89	68	103	87	134	101	151.5
	System	FLA	185	264	214	300	242	343	290	430	351	500
		MOC	360	360	432	432	492	492	660	660	740	740
		Max KW Input	103	159	119	178	136	206	174	268	202	303
		Cable Size	3×150+70	2×(3×120+70)	3×185+95	2×(3×150+70)	3×240+120	2×(3×185+95)	3×300+150	2×(3×300+150)	2×(3×150×70)	3×(3×185+95)
Physical Data	oil Charge(U.S gals)	11.7	11.7	11.7	11.7	11.7	11.7	*	*	*	*	
	Ref. Charge(Kg)	110	66	125	75	140	84	*	*	*	*	
	Oper. Weight	5017	4237	5320	4530	6330	5400	*	*	*	*	

Note:

- LRA: Locked Rotor Amps
- MOC: Maximum Operating Current
- FLA: Full Load Amps
- RLA: Rated Load Amps
- Lubrication oil type: BSE170

Technical Data (Three Compressors, Refrigerant= R134a, MVR=1)

Model			Three Compressors Model (R134a ,MVR=1)							
			3ATLCS-150		3ATLCS-180		3ATLCS-210		3ATLCS-240	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	50		60		70		80	
		RLA	39.5	58	48.5	62.5	55.5	72	61.5	81.5
		FLA	43.5	59	53.5	71.5	61	84	68	95
		MOC	86	86	108	108	128	128	144	144
		LRA	218	218	269	269	290	290	350	350
		Max KW Input	23	34	28.5	42	33.5	50	37.5	56.5
	System	FLA	130.5	177	160.5	214.5	183	252	204	285
		MOC	258	258	324	324	384	384	432	432
		Max KW Input	69	102	85.5	126	100.5	150	112.5	169.5
		Cable Size	3×95+50	3×240+120	3×120+70	3×300+120	3×150+70	2×(3×120+70)	3×150+70	2×(3×150+70)
Physical Data	oil Charge(U.S gals)	7.5	7.5	7.5	7.5	12	12	12	12	
	Ref. Charge(Kg)	75	45	90	54	105	63	120	72	
	Oper. Weight	3285	2685	3574	2869	5281	4111	5350	4180	

Model			Three Compressors Model (R134a ,MVR=1)							
			3ATLCS-270		3ATLCS-330		3ATLCS-375		3ATLCS-420	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	90		110		125		140	
		RLA	66.6	90	82.7	113.5	97	129	109	151
		FLA	74.5	105	92.5	132	107	150	121	171.5
		MOC	162	162	180	180	216	216	246	246
		LRA	423	423	520	520	612	612	665	665
		Max KW Input	43	64.5	51.5	79.5	59.5	89	68	103
	System	FLA	223.5	315	277.5	396	321	450	363	514.5
		MOC	486	486	540	540	648	648	738	738
		Max KW Input	129	193.5	154.5	238.5	178.5	267	204	309
		Cable Size	3×185+95	2×(3×185+95)	3×300+150	2×(3×240+120)	3×300+150	2×(3×300+150)	2×(3×150+70)	3×(3×185+95)
Physical Data	oil Charge(U.S gals)	12	12	17.5	17.5	*	*	*	*	
	Ref. Charge(Kg)	135	81	165	99	*	*	*	*	
	Oper. Weight	5700	5000	7685	6985	*	*	*	*	

NOTE:

- LRA: Locked Rotor Amps
- MOC: Maximum Operating Current
- FLA: Full Load Amps
- RLA: Rated Load Amps
- Lubrication oil type: BSE170

Technical Data (Four Compressors, Refrigerant= R134a, MVR=1)

Model			Four Compressors Model (R134a ,MVR=1)							
			4ATLCS-200		4ATLCS-240		4ATLCS-280		4ATLCS-320	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	50		60		70		80	
		RLA	39.5	58	48.5	62.5	55.5	72	61.5	81.5
		FLA	43.5	59	53.5	71.5	61	84	68	95
		MOC	86	86	108	108	128	128	144	144
		LRA	218	218	269	269	290	290	350	350
		Max KW Input	23	34	28.5	42	33.5	50	37.5	56.5
	System	FLA	174	236	214	286	244	336	272	380
		MOC	344	344	432	432	512	512	576	576
		Max KW Input	92	136	114	168	134	200	150	226
		Cable Size	3x120+70	3x300+150	3x185+95	2x(3x150+70)	3x240+120	2x(3x185+95)	3x240+120	2x(3x240+120)
Physical Data	oil Charge(U.S gals)	10	10	10	10	16	16	16	16	
	Ref. Charge(Kg)	100	60	120	72	140	84	160	96	
	Oper. Weight	4845	4045	4905	4105	6780	5900	7500	5980	

Model			Four Compressors Model (R134a ,MVR=1)							
			4ATLCS-360		4ATLCS-440		4ATLCS-500		4ATLCS-560	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	90		110		125		140	
		RLA	66.6	90	82.7	113.5	97	129	109	151
		FLA	74.5	105	92.5	132	107	150	121	171.5
		MOC	162	162	180	180	216	216	246	246
		LRA	423	423	520	520	612	612	665	665
		Max KW Input	43	64.5	51.5	79.5	59.5	89	68	103
	System	FLA	298	420	370	528	428	600	484	686
		MOC	648	648	720	720	864	864	984	984
		Max KW Input	172	258	206	318	238	356	272	412
		Cable Size	3x300+150	2x(3x300+150)	2x(3x120+70)	3x(3x185+95)	2x(3x185+95)	3x(3x240+120)	2x(3x240+120)	3x(3x300+150)
Physical Data	oil Charge(U.S gals)	16	16	23.3	23.3	*	*	*	*	
	Ref. Charge(Kg)	180	108	220	132	*	*	*	*	
	Oper. Weight	8365	7165	10520	8910	*	*	*	*	

Note:

- LRA: Locked Rotor Amps
- MOC: Maximum Operating Current
- FLA: Full Load Amps
- RLA: Rated Load Amps
- Lubrication oil type: BSE170

Technical Data (One Compressor, Refrigerant= R134a, MVR=2)

Model			One Compressor Model (R134a ,MVR=2)									
			1ATLCS-50		1ATLCS-60		1ATLCS-70		1ATLCS-80		1ATLCS-90	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	50		60		70		80		90	
		RLA	53	58	59.5	62.5	67	72	72.5	81.5	85.5	90
		FLA	59	81	66	92	75.5	105	82	119	97	137
		MOC	79	79	98	98	124	124	144	144	155	155
		LRA	206	206	267	267	290	290	394	394	439	439
		Max KW Input	34.5	52	38	65	44	124	51.5	88	59.5	96
	System	FLA	59	81	66	92	75.5	105	82	119	97	137
		MOC	79	79	98	98	124	124	144	144	155	155
		Max KW Input	34.5	52	38	65	44	124	51.5	88	59.5	96
		Cable Size	4x25	4x35	4x35	3x50+25	4x35	3x70+35	3x50+25	3x95+50	4x50+25	3x95+50
Physical Data	oil Charge(U.S gals)	4	4	4	4	4	4	6	6	6	6	
	Ref. Charge(Kg)	35	21	42	25	49	30	40	24	63	38	
	Oper. Weight	1555	1355	1565	1365	2058	1608	2403	1943	2405	1945	

Model			One Compressor Model (R134a ,MVR=2)									
			1ATLCS-110		1ATLCS-125		1ATLCS-140		1ATLCS-180		1ATLCS-210	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	110		125		140		180		210	
		RLA	102.5	113.5	118.5	129	129	151	163.5	182	196	213
		FLA	115.5	165	134	184	145	208	186	272	224	310
		MOC	182	182	196	196	214	214	310	310	320	320
		LRA	520	520	612	612	665	665	465	465	586	586
		Max KW Input	68	110	78.5	120	84.5	131	115	204	134	204
	System	FLA	115.5	165	134	184	145	208	186	272	224	310
		MOC	182	182	196	196	214	214	310	310	320	320
		Max KW Input	68	110	78.5	120	84.5	131	115	204	134	204
		Cable Size	3x70+35	3x120+70	3x95+50	3x150+70	3x95+50	3x185+95	3x150+70	3x300+150	3x185+95	2x(3x95+50)
Physical Data	oil Charge(U.S gals)	6	6	5	5	5	5	*	*	*	*	
	Ref. Charge(Kg)	77	47	88	54	98	58	*	*	*	*	
	Oper. Weight	2650	2446	2860	2460	3060	2600	*	*	*	*	

Note:

- LRA: Locked Rotor Amps
- MOC: Maximum Operating Current
- FLA: Full Load Amps
- RLA: Rated Load Amps
- Lubrication oil type: BSE170

Technical Data (Two Compressors, Refrigerant= R134a, MVR=2)

Model			Two Compressors Model (R134a ,MVR=2)									
			2ATLCS-100		2ATLCS-120		2ATLCS-140		2ATLCS-160		2ATLCS-180	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	50		60		70		80		90	
		RLA	53	58	59.5	62.5	67	72	72.5	81.5	85.5	90
		FLA	59	81	66	92	75.5	105	82	119	97	137
		MOC	79	79	98	98	124	124	144	144	155	155
		LRA	206	206	267	267	290	290	394	394	439	439
		Max KW Input	34.5	52	38	65	44	124	51.5	88	59.5	96
	System	FLA	118	162	132	184	151	210	164	238	194	274
		MOC	158	158	196	196	248	248	288	288	310	310
		Max KW Input	69	104	76	130	88	248	103	176	119	192
		Cable Size	3×70+35	3×95+50	3×95+50	3×120+70	3×95+50	3×150+70	3×120+70	3×240+120	3×150+70	3×300+120
Physical Data	oil Charge(U.S gals)	8	8	8	8	8	8	11.7	11.7	11.7	11.7	
	Ref. Charge(Kg)	70	42	84	50	98	59	112	67	126	76	
	Oper. Weight	2839	2380	2859	2400	3945	3165	4796	4016	4930	4151	

Model			Two Compressors Model (R134a ,MVR=2)									
			2ATLCS-220		2ATLCS-250		2ATLCS-280		2ATLCS-360		2ATLCS-420	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	110		125		140		180		210	
		RLA	102.5	113.5	118.5	129	129	151	163.5	182	196	213
		FLA	115.5	165	134	184	145	208	186	272	224	310
		MOC	182	182	196	196	214	214	310	310	320	320
		LRA	520	520	612	612	665	665	465	465	586	586
		Max KW Input	68	110	78.5	120	84.5	131	115	204	134	204
	System	FLA	231	330	268	368	290	416	372	544	448	620
		MOC	364	364	392	392	428	428	620	620	640	640
		Max KW Input	136	220	157	240	169	262	230	408	268	408
		Cable Size	3×185+95	2×(3×120+70)	3×240+120	2×(3×150+70)	3×300+150	2×(3×185+95)	2×(3×150+70)	2×(3×300+150)	2×(3×185+95)	3×(3×185+95)
Physical Data	oil Charge(U.S gals)	11.7	11.7	10	10	10	10	*	*	*	*	
	Ref. Charge(Kg)	154	93	175	105	196	118	*	*	*	*	
	Oper. Weight	5057	4267	5360	4565	6360	5435	*	*	*	*	

NOTE:

- LRA: Locked Rotor Amps
- MOC: Maximum Operating Current
- FLA: Full Load Amps
- RLA: Rated Load Amps
- Lubrication oil type: BSE170

Technical Data (Three Compressors, Refrigerant= R134a, MVR=2)

Model			Three Compressors Model (R134a ,MVR=2)													
			3ATLCS-150		3ATLCS-180		3ATLCS-210		3ATLCS-240							
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled						
Electrical Data	Compressor Motor (Per Unit)	HP	50		60		70		80							
		RLA	53	58	59.5	62.5	67	72	72.5	81.5						
		FLA	59	81	66	92	75.5	105	82	119						
		MOC	79	79	98	98	124	124	144	144						
		LRA	206	206	267	267	290	290	394	394						
		Max KW Input	34.5	52	38	65	44	124	51.5	88						
	System	FLA	177	243	198	276	226.5	315	246	357						
		MOC	237	237	294	294	372	372	432	432						
		Max KW Input	103.5	156	114	195	132	372	154.5	264						
		Cable Size	3×150+70		3×240+120		3×150+70		3×300+120		3×185+95		2×(3×120+70)		3×240+120	
Physical Data	oil Charge(U.S gals)	12	12	12	12	12	12	17.5	17.5							
	Ref. Charge(Kg)	105	63	126	76	147	88	168	100							
	Oper. Weight	3945	3345	4314	3600	5311	4141	6456	5286							

Model			Three Compressors Model (R134a ,MVR=2)													
			3ATLCS-270		3ATLCS-330		3ATLCS-375		3ATLCS-420							
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled						
Electrical Data	Compressor Motor (Per Unit)	HP	90		110		125		140							
		RLA	85.5	90	102.5	113.5	118.5	129	129	151						
		FLA	97	137	115.5	165	134	184	145	208						
		MOC	155	155	182	182	196	196	214	214						
		LRA	439	439	520	520	612	612	665	665						
		Max KW Input	59.5	96	68	110	78.5	120	84.5	131						
	System	FLA	291	411	346.5	495	402	552	435	624						
		MOC	465	465	546	546	588	588	642	642						
		Max KW Input	178.5	288	204	330	235.5	360	253.5	393						
		Cable Size	3×300+150		2×(3×185+95)		2×(3×120+70)		2×(3×240+120)		2×(3×150+70)		2×(3×300+150)		2×(3×185+95)	
Physical Data	oil Charge(U.S gals)	17.5	17.5	17.5	17.5	*	*	*	*							
	Ref. Charge(Kg)	189	114	231	139	*	*	*	*							
	Oper. Weight	6840	6135	7730	7026	*	*	*	*							

Note:

- LRA: Locked Rotor Amps
- MOC: Maximum Operating Current
- FLA: Full Load Amps
- RLA: Rated Load Amps
- Lubrication oil type: BSE170

Technical Data (Four Compressors, Refrigerant= R134a, MVR=2)

Model			Four Compressors Model (R134a ,MVR=2)							
			4ATLCS-200		4ATLCS-240		4ATLCS-280		4ATLCS-320	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	50		60		70		80	
		RLA	53	58	59.5	62.5	67	72	72.5	81.5
		FLA	59	81	66	92	75.5	105	82	119
		MOC	79	79	98	98	124	124	144	144
		LRA	206	206	267	267	290	290	394	394
		Max KW Input	34.5	52	38	65	44	124	51.5	88
	System	FLA	236	324	264	368	302	420	328	476
		MOC	316	316	392	392	496	496	576	576
		Max KW Input	138	208	152	260	176	496	206	352
		Cable Size	3×240+120	3×300+150	3×300+150	2×(3×150+70)	3×300+150	2×(3×185+95)	2×(3×120+70)	2×(3×240+120)
Physical Data	oil Charge(U.S gals)	16	16	16	16	16	16	23.3	23.3	
	Ref. Charge(Kg)	140	84	168	101	196	118	224	134	
	Oper. Weight	5825	5025	5925	5125	6890	5975	9038	7518	

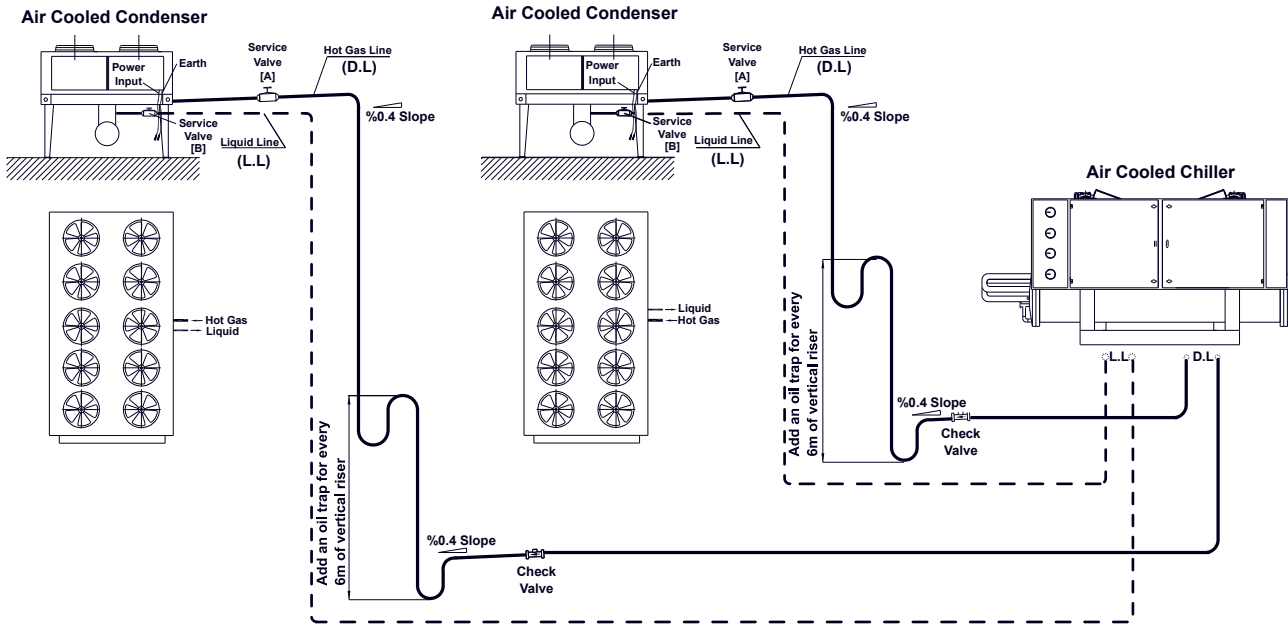
Model			Four Compressors Model (R134a ,MVR=2)							
			4ATLCS-360		4ATLCS-440		4ATLCS-500		4ATLCS-560	
			Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled	Water Cooled	Air Cooled
Electrical Data	Compressor Motor (Per Unit)	HP	90		110		125		140	
		RLA	85.5	90	102.5	113.5	118.5	129	129	151
		FLA	97	137	115.5	165	134	184	145	208
		MOC	155	155	182	182	196	196	214	214
		LRA	439	439	520	520	612	612	665	665
		Max KW Input	59.5	96	68	110	78.5	120	84.5	131
	System	FLA	388	548	462	660	536	736	580	832
		MOC	620	620	728	728	784	784	856	856
		Max KW Input	238	384	272	440	314	480	338	524
		Cable Size	2×(3×150+70)	2×(3×300+150)	2×(3×185+95)	3×(3×185+95)	2×(3×240+120)	3×(3×240+120)	2×(3×300+150)	3×(3×300+150)
Physical Data	oil Charge(U.S gals)	23.3	23.3	23.3	23.3	*	*	*	*	
	Ref. Charge(Kg)	252	152	308	238	*	*	*	*	
	Oper. Weight	9915	8715	10140	9050	*	*	*	*	

Note:

- LRA: Locked Rotor Amps
- MOC: Maximum Operating Current
- FLA: Full Load Amps
- RLA: Rated Load Amps
- Lubrication oil type: BSE170

Typical Equipment & Piping Diagram

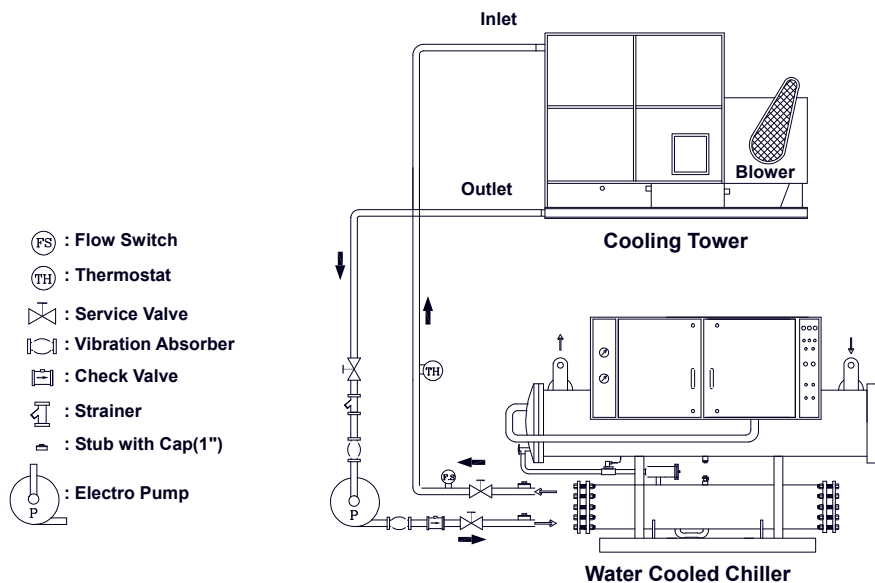
Schematic Piping Diagram between Air Cooled Chiller and Corresponding Air Cooled Condenser



Note:

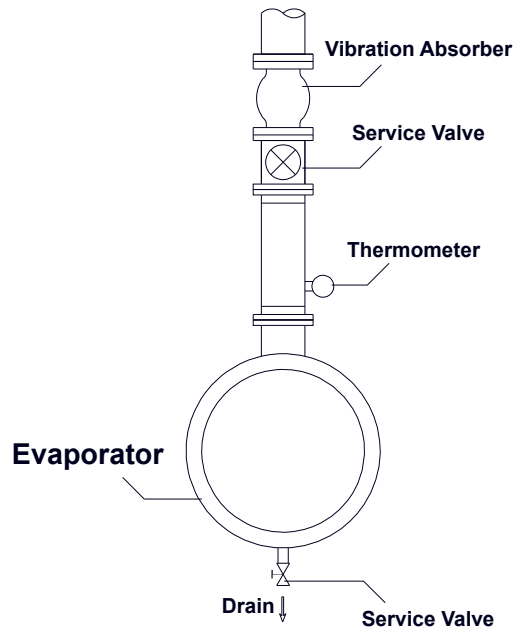
- Service Valve (A) Supplied By Client
- Service Valve (B) Supplied By TAHVIEH IRANIAN

Schematic Piping Diagram between Water Cooled Chiller And Corresponding Cooling Tower



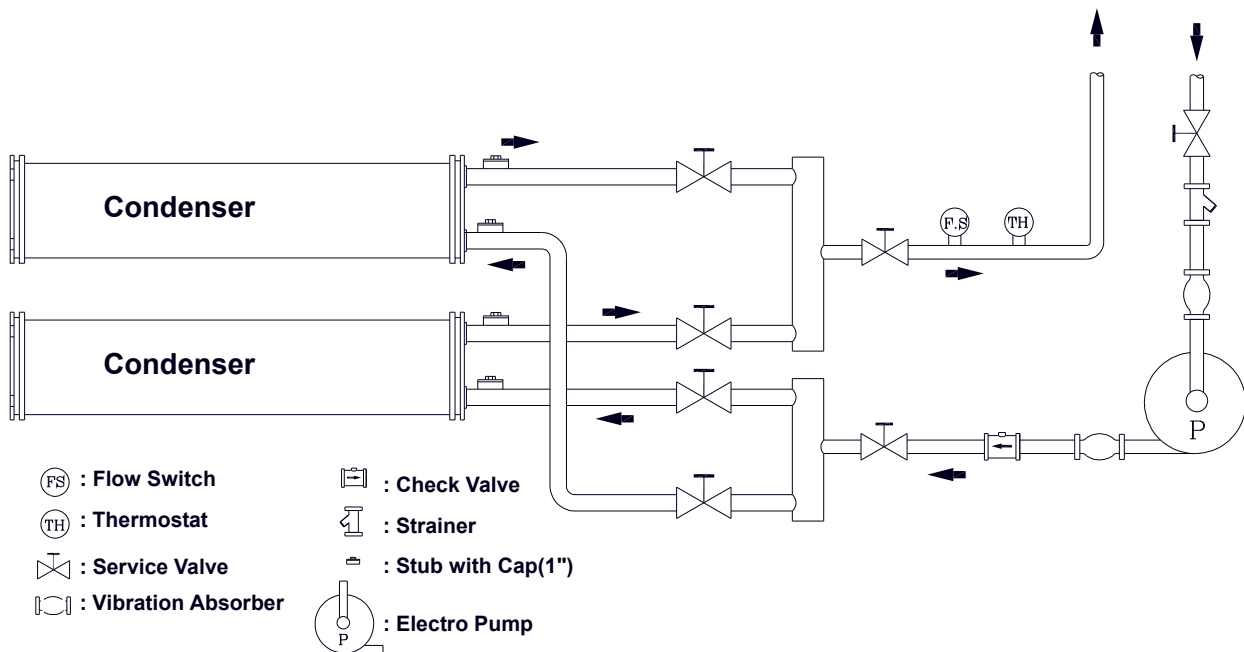
Typical Equipment & Piping Diagram

Schematic Piping Diagram for Inlet & Outlet of Evaporator Chilled Water

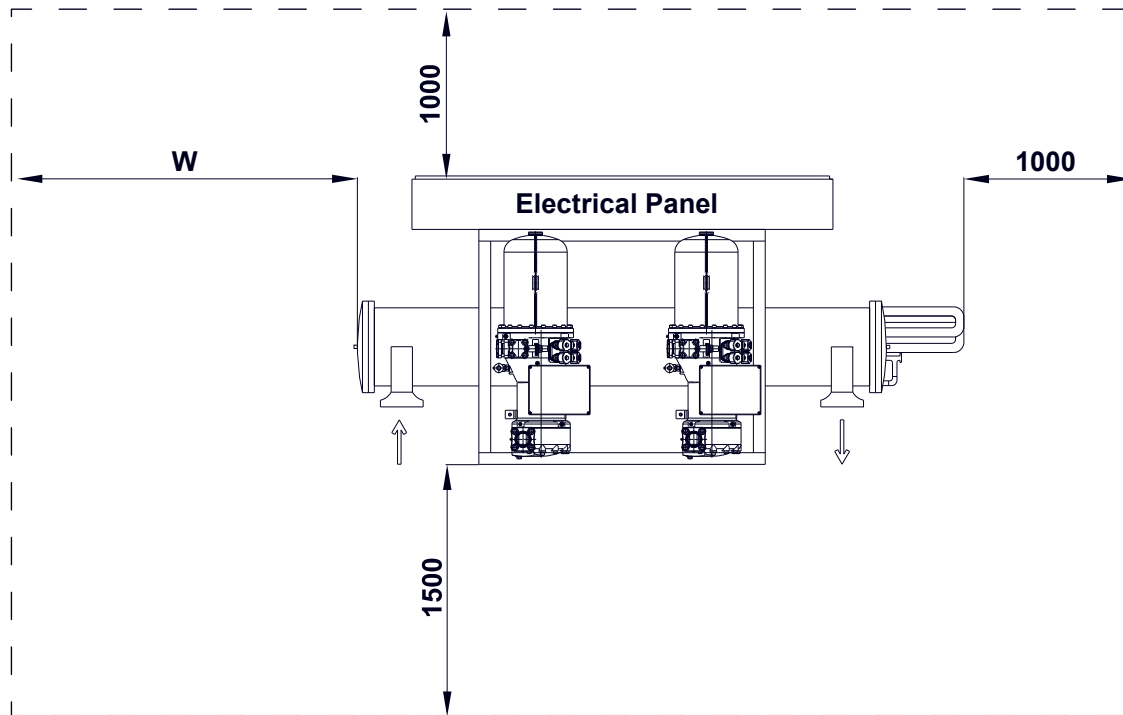


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Schematic Piping Diagram for Two Parallel Water Cooled Condenser



Recommended Service Area



Model	1ATLCS-50	1ATLCS-60	1ATLCS-70	1ATLCS-80	1ATLCS-90	1ATLCS-100	1ATLCS-110	1ATLCS-125
W	2100	2100	2100	2100	2100	2100	2100	2100

Model	2ATLCS-100	2ATLCS-120	2ATLCS-140	2ATLCS-160	2ATLCS-180	2ATLCS-200	2ATLCS-220	2ATLCS-250
W	2300	2300	2300	3500	3500	3500	4500	4500

Model	3ATLCS-150	3ATLCS-180	3ATLCS-210	3ATLCS-240
W	3500	3500	3500	4500

Model	4ATLCS-200	4ATLCS-240	4ATLCS-280
W	4500	4500	4500

Model	4ATLCS-320	4ATLCS-360	4ATLCS-400	4ATLCS-440	4ATLCS-500	4ATLCS-560
W	3500	3500	4500	4500	4500	4500

NOTE:
All Dimensions are in mm.