

PRODUCT SPECIFICATIONS SUPPLEMENT

GROSS COOLING CAPACITIES

Model Number	Outdoor Temperature (°F)		Suction Temperature (°F)					
			30	35	40	45	50	55
ELS072S4S	65	Head Press PSIG	251.6	259.0	266.5	273.9	281.4	288.8
		Cap. Btuh x 1000	59.0	65.9	72.9	79.8	86.8	93.7
		Unit kW	3.2	3.2	3.3	3.3	3.4	3.5
	75	Head Press PSIG	288.7	296.3	303.8	311.4	319.0	326.5
		Cap. Btuh x 1000	55.6	62.3	69.1	75.8	82.5	89.3
		Unit kW	3.6	3.6	3.7	3.8	3.8	3.9
	85	Head Press PSIG	328.3	336.7	345.2	353.6	362.1	370.5
		Cap. Btuh x 1000	51.5	58.3	65.0	71.8	78.6	85.4
		Unit kW	4.0	4.1	4.2	4.2	4.3	4.4
	95	Head Press PSIG	373.5	382.1	390.7	399.3	407.9	416.6
		Cap. Btuh x 1000	47.5	54.2	60.8	67.4	74.0	80.6
		Unit kW	4.6	4.7	4.7	4.8	4.9	4.9
	105	Head Press PSIG	422.6	431.6	440.7	449.7	458.8	467.8
		Cap. Btuh x 1000	42.8	49.4	56.1	62.7	69.3	75.9
		Unit kW	5.2	5.3	5.3	5.4	5.5	5.6
	115	Head Press PSIG	477.5	486.9	496.2	505.5	514.9	524.2
		Cap. Btuh x 1000	38.6	45.0	51.4	57.7	64.1	70.5
		Unit kW	6.0	6.0	6.1	6.2	6.2	6.3
ELS090S4S	65	Head Press PSIG	252.7	259.9	267.1	274.4	281.6	288.8
		Cap. Btuh x 1000	81.3	90.7	100.1	109.5	118.8	128.2
		Unit kW	4.5	4.7	4.9	5.1	5.3	5.4
	75	Head Press PSIG	289.8	297.2	304.6	312.0	319.4	326.8
		Cap. Btuh x 1000	76.8	85.9	94.9	104.0	113.1	122.2
		Unit kW	5.0	5.2	5.4	5.6	5.7	5.9
	85	Head Press PSIG	328.8	337.1	345.5	353.8	362.1	370.5
		Cap. Btuh x 1000	70.8	80.0	89.2	98.4	107.6	116.8
		Unit kW	5.5	5.7	5.9	6.1	6.3	6.5
	95	Head Press PSIG	374.2	382.7	391.3	399.8	408.3	416.9
		Cap. Btuh x 1000	65.8	74.6	83.5	92.3	101.2	110.0
		Unit kW	6.1	6.3	6.5	6.7	6.9	7.1
	105	Head Press PSIG	423.6	432.6	441.5	450.5	459.5	468.5
		Cap. Btuh x 1000	59.7	68.4	77.2	86.0	94.8	103.5
		Unit kW	6.7	6.9	7.2	7.4	7.6	7.8
	115	Head Press PSIG	479.1	488.0	497.0	506.0	515.0	523.9
		Cap. Btuh x 1000	54.0	62.4	70.8	79.2	87.6	96.0
		Unit kW	7.4	7.7	7.9	8.1	8.3	8.5

NOTE - Performance data calculated at 15°F subcooling and 15° superheat and includes the capacity loss for 25 feet of refrigerant lines.

NOTE - Due to Allied Commercial ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.

GROSS COOLING CAPACITIES

Model Number	Outdoor Temperature (°F)		Suction Temperature (°F)					
			30	35	40	45	50	55
ELS120S4S	65	Head Press PSIG	251.2	258.3	265.5	272.6	279.7	286.9
		Cap. Btuh x 1000	93.9	105.1	116.2	127.4	138.5	149.7
		Unit kW	5.7	5.9	6.0	6.1	6.3	6.4
	75	Head Press PSIG	290.0	297.5	305.0	312.5	320.0	327.6
		Cap. Btuh x 1000	91.4	102.5	113.6	124.7	135.7	146.8
		Unit kW	6.3	6.5	6.6	6.8	6.9	7.1
	85	Head Press PSIG	329.9	338.3	346.7	355.1	363.5	371.9
		Cap. Btuh x 1000	85.3	96.6	107.9	119.2	130.5	141.8
		Unit kW	7.0	7.2	7.3	7.5	7.7	7.8
	95	Head Press PSIG	375.1	383.6	392.1	400.6	409.1	417.6
		Cap. Btuh x 1000	78.2	89.4	100.6	111.8	123.0	134.2
		Unit kW	7.8	8.0	8.1	8.3	8.5	8.6
	105	Head Press PSIG	421.1	430.7	440.4	450.0	459.7	469.4
		Cap. Btuh x 1000	69.9	80.9	91.9	103.0	114.0	125.0
		Unit kW	8.7	8.9	9.0	9.2	9.4	9.6
	115	Head Press PSIG	475.1	484.8	494.4	504.1	513.8	523.5
		Cap. Btuh x 1000	61.0	71.7	82.5	93.3	104.0	114.8
		Unit kW	9.7	9.9	10.1	10.3	10.4	10.6
ELS120S4D	65	Head Press PSIG	252.8	259.7	266.6	273.5	280.3	287.2
		Cap. Btuh x 1000	102.1	114.9	127.6	140.3	153.0	165.8
		Unit kW	5.5	5.5	5.6	5.7	5.8	5.8
	75	Head Press PSIG	289.4	296.5	303.7	310.8	317.9	325.0
		Cap. Btuh x 1000	95.4	107.8	120.1	132.5	144.8	157.1
		Unit kW	6.1	6.2	6.3	6.4	6.5	6.5
	85	Head Press PSIG	328.6	336.7	344.7	352.8	360.8	368.9
		Cap. Btuh x 1000	87.2	99.7	112.2	124.7	137.3	149.8
		Unit kW	6.9	7.0	7.1	7.2	7.3	7.4
	95	Head Press PSIG	374.1	382.3	390.5	398.7	406.9	415.1
		Cap. Btuh x 1000	80.1	92.2	104.3	116.3	128.4	140.5
		Unit kW	7.7	7.8	7.9	8.0	8.1	8.2
	105	Head Press PSIG	421.2	430.6	440.0	449.3	458.7	468.0
		Cap. Btuh x 1000	71.5	83.5	95.5	107.5	119.5	131.4
		Unit kW	8.7	8.8	8.9	9.0	9.2	9.3
	115	Head Press PSIG	477.3	486.5	495.7	505.0	514.2	523.5
		Cap. Btuh x 1000	63.1	74.8	86.4	98.1	109.8	121.4
		Unit kW	9.8	9.9	10.1	10.2	10.3	10.4

NOTE - Performance data calculated at 15°F subcooling and 15° superheat and includes the capacity loss for 25 feet of refrigerant lines.

GROSS COOLING CAPACITIES

Model Number	Outdoor Temperature (°F)		Suction Temperature (°F)					
			30	35	40	45	50	55
ELS150S4D	65	Head Press PSIG	247.9	253.5	259.1	264.7	270.2	275.8
		Cap. Btuh x 1000	122.9	136.8	150.8	164.7	178.7	192.6
		Unit kW	6.2	6.3	6.5	6.6	6.7	6.8
	75	Head Press PSIG	285.8	291.7	297.6	303.4	309.3	315.2
		Cap. Btuh x 1000	115.3	128.8	142.3	155.7	169.2	182.7
		Unit kW	7.1	7.2	7.3	7.4	7.6	7.7
	85	Head Press PSIG	327.1	333.4	339.7	346.0	352.3	358.6
		Cap. Btuh x 1000	106.5	119.7	133.0	146.2	159.5	172.8
		Unit kW	8.0	8.2	8.3	8.4	8.5	8.7
	95	Head Press PSIG	372.8	379.3	385.9	392.5	399.0	405.6
		Cap. Btuh x 1000	98.5	111.1	123.8	136.4	149.0	161.7
		Unit kW	9.1	9.2	9.4	9.5	9.6	9.8
	105	Head Press PSIG	424.4	431.1	437.8	444.5	451.2	457.9
		Cap. Btuh x 1000	89.5	101.7	113.9	126.1	138.3	150.4
		Unit kW	10.4	10.5	10.7	10.8	10.9	11.1
	115	Head Press PSIG	486.2	491.8	497.3	502.8	508.3	513.8
		Cap. Btuh x 1000	79.6	91.4	103.2	115.0	126.8	138.6
		Unit kW	11.9	12.1	12.2	12.3	12.4	12.6
ELS180S4D	65	Head Press PSIG	247.4	251.3	255.2	259.1	263.0	266.9
		Cap. Btuh x 1000	169.2	188.0	206.9	225.8	244.6	263.5
		Unit kW	9.0	9.2	9.4	9.6	9.8	10.0
	75	Head Press PSIG	285.0	289.0	293.0	296.9	300.9	304.8
		Cap. Btuh x 1000	157.8	176.3	194.7	213.2	231.6	250.0
		Unit kW	10.1	10.3	10.4	10.6	10.8	11.0
	85	Head Press PSIG	326.0	330.4	334.8	339.2	343.6	348.0
		Cap. Btuh x 1000	144.3	162.9	181.6	200.2	218.8	237.5
		Unit kW	11.2	11.4	11.6	11.8	12.0	12.2
	95	Head Press PSIG	371.7	376.3	380.9	385.6	390.2	394.9
		Cap. Btuh x 1000	131.5	149.6	167.8	185.9	204.1	222.2
		Unit kW	12.5	12.7	12.9	13.1	13.2	13.4
	105	Head Press PSIG	421.2	426.4	431.7	436.9	442.2	447.4
		Cap. Btuh x 1000	117.9	135.6	153.4	171.2	188.9	206.7
		Unit kW	13.9	14.1	14.3	14.5	14.8	15.0
	115	Head Press PSIG	478.0	483.1	488.2	493.4	498.5	503.6
		Cap. Btuh x 1000	105.1	122.0	138.9	155.8	172.7	189.6
		Unit kW	15.7	15.9	16.1	16.3	16.5	16.7

NOTE - Performance data calculated at 15°F subcooling and 15° superheat and includes the capacity loss for 25 feet of refrigerant lines.

GROSS COOLING CAPACITIES

Model Number	Outdoor Temperature (°F)		Suction Temperature (°F)					
			30	35	40	45	50	55
ELS240S4D	65	Head Press PSIG	255.5	262.3	269.2	276.0	282.8	289.6
		Cap. Btuh x 1000	208.0	231.6	255.2	278.8	302.4	326.0
		Unit kW	11.3	11.7	12.0	12.3	12.7	13.0
	75	Head Press PSIG	292.5	299.4	306.3	313.2	320.1	327.0
		Cap. Btuh x 1000	196.2	218.8	241.5	264.2	286.8	309.5
		Unit kW	12.5	12.8	13.1	13.5	13.8	14.1
	85	Head Press PSIG	332.4	339.9	347.5	355.0	362.6	370.1
		Cap. Btuh x 1000	182.6	205.0	227.3	249.7	272.1	294.5
		Unit kW	13.8	14.1	14.5	14.8	15.2	15.5
	95	Head Press PSIG	378.3	385.9	393.5	401.2	408.8	416.5
		Cap. Btuh x 1000	169.3	190.9	212.5	234.0	255.6	277.1
		Unit kW	15.4	15.7	16.1	16.4	16.7	17.1
	105	Head Press PSIG	427.0	435.3	443.6	452.0	460.3	468.6
		Cap. Btuh x 1000	154.1	175.2	196.4	217.5	238.6	259.7
		Unit kW	17.1	17.5	17.8	18.2	18.5	18.9
	115	Head Press PSIG	483.9	491.8	499.8	507.8	515.7	523.7
		Cap. Btuh x 1000	139.5	159.7	179.8	200.0	220.2	240.4
		Unit kW	19.3	19.6	19.9	20.3	20.6	20.9

NOTE - Performance data calculated at 15°F subcooling and 15° superheat and includes the capacity loss for 25 feet of refrigerant lines.