



PRODUCT SPECIFICATIONS SUPPLEMENT

Bulletin No. 210529
 February 2009

GROSS COOLING CAPACITIES - TSA072 THRU TSA240

Model Number	Outdoor Temperature (°F)		Suction Temperature (°F)					
			30	35	40	45	50	55
TSA072S4S	65	Head Press PSIG	260.5	268.4	276.3	284.2	292.2	300.1
		Cap. Btuh x 1000	60.7	67.9	75.1	82.3	89.5	96.7
		Unit kW	3.84	3.88	3.93	3.97	4.01	4.06
	75	Head Press PSIG	299.0	307.4	315.7	324.1	332.4	340.8
		Cap. Btuh x 1000	57.4	64.4	71.3	78.3	85.2	92.1
		Unit kW	4.28	4.32	4.36	4.40	4.44	4.48
	85	Head Press PSIG	339.2	348.8	358.3	367.9	377.5	387.0
		Cap. Btuh x 1000	52.7	59.8	66.9	74.0	81.1	88.3
		Unit kW	4.75	4.80	4.84	4.88	4.93	4.97
	95	Head Press PSIG	385.1	395.1	405.1	415.1	425.1	435.1
		Cap. Btuh x 1000	48.7	55.6	62.4	69.3	76.2	83.1
		Unit kW	5.29	5.33	5.38	5.42	5.46	5.51
	105	Head Press PSIG	433.5	444.4	455.4	466.3	477.2	488.2
		Cap. Btuh x 1000	43.3	50.2	57.2	64.1	71.0	77.9
		Unit kW	5.87	5.93	5.98	6.03	6.08	6.13
	115	Head Press PSIG	488.0	499.3	510.6	522.0	533.3	544.6
		Cap. Btuh x 1000	38.2	44.9	51.7	58.4	65.1	71.9
		Unit kW	6.55	6.61	6.66	6.72	6.77	6.83
TSA090S4S	65	Head Press PSIG	251.6	258.1	264.6	271.1	277.6	284.1
		Cap. Btuh x 1000	78.3	86.4	94.4	102.5	110.6	118.7
		Unit kW	4.44	4.57	4.70	4.83	4.96	5.09
	75	Head Press PSIG	288.8	295.6	302.3	309.1	315.8	322.6
		Cap. Btuh x 1000	74.2	82.0	89.9	97.8	105.7	113.5
		Unit kW	4.92	5.05	5.18	5.31	5.44	5.57
	85	Head Press PSIG	330.3	337.4	344.5	351.6	358.7	365.8
		Cap. Btuh x 1000	69.6	77.4	85.1	92.9	100.7	108.4
		Unit kW	5.47	5.60	5.73	5.87	6.00	6.13
	95	Head Press PSIG	374.9	382.4	390.0	397.6	405.1	412.7
		Cap. Btuh x 1000	64.9	72.5	80.0	87.5	95.0	102.5
		Unit kW	6.09	6.22	6.36	6.49	6.63	6.76
	105	Head Press PSIG	424.7	432.6	440.5	448.4	456.3	464.2
		Cap. Btuh x 1000	59.6	67.0	74.4	81.8	89.2	96.6
		Unit kW	6.80	6.94	7.08	7.22	7.35	7.49
	115	Head Press PSIG	480.7	488.6	496.5	504.5	512.4	520.3
		Cap. Btuh x 1000	54.2	61.4	68.6	75.7	82.9	90.1
		Unit kW	7.66	7.79	7.93	8.06	8.19	8.33

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 Lennox' 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 - TSA072 THRU TSA240

Model Number	Outdoor Temperature (°F)		Suction Temperature (°F)					
			30	35	40	45	50	55
TSA120S4S	65	Head Press PSIG	246.0	253.0	260.0	267.0	274.1	281.1
		Cap. Btuh x 1000	96.9	107.6	118.2	128.8	139.5	150.1
		Unit kW	5.29	5.46	5.64	5.81	5.98	6.15
	75	Head Press PSIG	282.3	289.5	296.8	304.0	311.2	318.5
		Cap. Btuh x 1000	92.3	102.5	112.7	122.9	133.1	143.3
		Unit kW	5.93	6.10	6.26	6.43	6.60	6.77
	85	Head Press PSIG	321.8	329.5	337.2	344.9	352.6	360.3
		Cap. Btuh x 1000	86.5	96.7	106.8	117.0	127.2	137.4
		Unit kW	6.61	6.79	6.96	7.13	7.30	7.48
	95	Head Press PSIG	366.7	374.4	382.2	390.0	397.8	405.5
		Cap. Btuh x 1000	81.0	90.9	100.7	110.5	120.3	130.2
		Unit kW	7.43	7.60	7.76	7.93	8.09	8.26
	105	Head Press PSIG	416.4	424.2	432.0	439.8	447.6	455.4
		Cap. Btuh x 1000	74.0	83.7	93.5	103.3	113.0	122.8
		Unit kW	8.37	8.53	8.69	8.85	9.01	9.16
	115	Head Press PSIG	474.2	481.3	488.4	495.5	502.6	509.7
		Cap. Btuh x 1000	68.8	77.9	86.9	95.9	105.0	114.0
		Unit kW	9.54	9.67	9.80	9.93	10.07	10.20
TSA120S4D	65	Head Press PSIG	245.2	252.1	259.1	266.0	272.9	279.8
		Cap. Btuh x 1000	48.2	53.4	58.7	64.0	69.3	74.5
		Unit kW	2.55	2.61	2.66	2.72	2.78	2.84
	75	Head Press PSIG	281.7	288.7	295.7	302.8	309.8	316.8
		Cap. Btuh x 1000	45.7	50.8	55.8	60.9	66.0	71.1
		Unit kW	2.89	2.95	3.01	3.07	3.13	3.19
	85	Head Press PSIG	321.3	328.7	336.1	343.5	350.9	358.3
		Cap. Btuh x 1000	42.6	47.6	52.7	57.7	62.8	67.8
		Unit kW	3.26	3.32	3.39	3.45	3.52	3.58
	95	Head Press PSIG	366.3	373.6	381.0	388.4	395.8	403.2
		Cap. Btuh x 1000	39.7	44.5	49.4	54.3	59.1	64.0
		Unit kW	3.70	3.77	3.83	3.89	3.96	4.02
	105	Head Press PSIG	415.0	422.6	430.1	437.6	445.1	452.7
		Cap. Btuh x 1000	36.2	41.0	45.8	50.5	55.3	60.1
		Unit kW	4.21	4.27	4.34	4.40	4.46	4.53
	115	Head Press PSIG	472.4	479.4	486.3	493.3	500.3	507.3
		Cap. Btuh x 1000	33.2	37.7	42.2	46.7	51.1	55.6
		Unit kW	4.85	4.90	4.96	5.01	5.07	5.12

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 - TSA072 THRU TSA240

Model Number	Outdoor Temperature (°F)		Suction Temperature (°F)						
			30	35	40	45	50	55	
TSA150S4D	65	Head Press PSIG	246.3	252.4	258.4	264.5	270.6	276.6	
		Cap. Btuh x 1000	58.9	66.0	73.2	80.3	87.4	94.5	
		Unit kW	3.56	3.59	3.62	3.64	3.67	3.70	
	75	Head Press PSIG	284.6	290.9	297.3	303.6	309.9	316.3	
		Cap. Btuh x 1000	55.5	62.6	69.7	76.7	83.8	90.9	
		Unit kW	4.00	4.02	4.04	4.06	4.07	4.09	
	85	Head Press PSIG	325.3	332.4	339.4	346.5	353.5	360.6	
		Cap. Btuh x 1000	51.4	58.5	65.5	72.6	79.7	86.7	
		Unit kW	4.46	4.48	4.49	4.51	4.53	4.54	
	95	Head Press PSIG	371.0	378.4	385.9	393.3	400.7	408.2	
		Cap. Btuh x 1000	47.5	54.4	61.3	68.1	75.0	81.9	
		Unit kW	4.97	4.99	5.00	5.02	5.03	5.05	
	105	Head Press PSIG	420.6	428.7	436.7	444.7	452.7	460.7	
		Cap. Btuh x 1000	42.3	49.3	56.2	63.1	70.1	77.0	
		Unit kW	5.55	5.57	5.58	5.60	5.61	5.63	
	115	Head Press PSIG	476.8	484.8	492.7	500.7	508.7	516.7	
		Cap. Btuh x 1000	37.4	44.2	50.9	57.7	64.4	71.2	
		Unit kW	6.22	6.24	6.25	6.26	6.27	6.29	
	TSA180S4D	65	Head Press PSIG	245.6	248.8	252.0	255.1	258.3	261.4
			Cap. Btuh x 1000	84.4	92.9	101.5	110.1	118.7	127.3
			Unit kW	4.39	4.48	4.56	4.65	4.74	4.82
		75	Head Press PSIG	283.3	286.6	290.0	293.4	296.8	300.2
			Cap. Btuh x 1000	80.3	88.6	96.9	105.1	113.4	121.7
			Unit kW	4.89	4.97	5.05	5.14	5.22	5.31
85		Head Press PSIG	324.3	328.1	332.0	335.9	339.8	343.6	
		Cap. Btuh x 1000	74.9	83.3	91.8	100.2	108.6	117.0	
		Unit kW	5.43	5.52	5.60	5.69	5.78	5.87	
95		Head Press PSIG	370.9	374.6	378.4	382.1	385.8	389.5	
		Cap. Btuh x 1000	70.0	78.1	86.3	94.4	102.5	110.7	
		Unit kW	6.07	6.15	6.23	6.32	6.40	6.48	
105		Head Press PSIG	421.7	425.8	430.0	434.1	438.3	442.4	
		Cap. Btuh x 1000	64.1	72.2	80.3	88.4	96.5	104.5	
		Unit kW	6.81	6.89	6.97	7.05	7.13	7.22	
115		Head Press PSIG	478.0	482.2	486.5	490.7	494.9	499.2	
		Cap. Btuh x 1000	58.6	66.4	74.1	81.9	89.7	97.5	
		Unit kW	7.67	7.74	7.82	7.90	7.97	8.05	

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 - TSA072 THRU TSA240

Model Number	Outdoor Temperature (°F)		Suction Temperature (°F)					
			30	35	40	45	50	55
TSA240S4D	65	Head Press PSIG	251.9	258.7	265.4	272.1	278.9	285.6
		Cap. Btuh x 1000	103.4	115.3	127.2	139.1	151.0	162.8
		Unit kW	5.40	5.57	5.73	5.89	6.05	6.21
	75	Head Press PSIG	289.0	295.9	302.8	309.7	316.5	323.4
		Cap. Btuh x 1000	98.0	109.4	120.8	132.2	143.6	155.0
		Unit kW	6.05	6.21	6.37	6.52	6.68	6.84
	85	Head Press PSIG	330.1	337.3	344.5	351.7	358.9	366.0
		Cap. Btuh x 1000	91.2	102.5	113.9	125.3	136.6	148.0
		Unit kW	6.77	6.93	7.09	7.25	7.41	7.57
	95	Head Press PSIG	376.8	383.8	390.9	397.9	404.9	412.0
		Cap. Btuh x 1000	86.0	96.7	107.4	118.0	128.7	139.4
		Unit kW	7.63	7.78	7.92	8.07	8.22	8.37
	105	Head Press PSIG	425.8	433.5	441.3	449.1	456.9	464.7
		Cap. Btuh x 1000	78.3	88.9	99.6	110.3	120.9	131.6
		Unit kW	8.56	8.72	8.87	9.02	9.18	9.33
	115	Head Press PSIG	482.5	490.1	497.7	505.2	512.8	520.4
		Cap. Btuh x 1000	72.4	82.3	92.2	102.2	112.1	122.0
		Unit kW	9.72	9.85	9.99	10.13	10.27	10.41

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