

COOLING PERFORMANCE - OUTDOOR UNIT  
50 HZ - U.S. CUSTOMARY UNITS

2TTA0030AD

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	137.	142.	148.	154.	160.	167.	174.	182.
	CAP. BTUH/1000	26.0	28.9	32.0	35.3	38.8	42.5	46.4	50.4
	OD UNIT KW	1.74	1.80	1.85	1.89	1.93	1.95	1.98	1.99
65	HEAD PRESS PSIG	159.	164.	170.	177.	184.	191.	199.	207.
	CAP. BTUH/1000	24.3	27.1	30.1	33.2	36.6	40.1	43.8	47.7
	OD UNIT KW	1.89	1.97	2.03	2.09	2.14	2.19	2.23	2.27
75	HEAD PRESS PSIG	183.	189.	195.	202.	209.	217.	226.	235.
	CAP. BTUH/1000	22.5	25.2	28.1	31.1	34.3	37.7	41.2	44.9
	OD UNIT KW	2.03	2.11	2.20	2.27	2.34	2.41	2.48	2.54
85	HEAD PRESS PSIG	209.	215.	222.	229.	237.	245.	254.	264.
	CAP. BTUH/1000	20.7	23.3	26.0	28.9	32.0	35.2	38.5	42.0
	OD UNIT KW	2.14	2.24	2.34	2.43	2.53	2.61	2.70	2.79
95	HEAD PRESS PSIG	237.	244.	251.	259.	267.	276.	285.	295.
	CAP. BTUH/1000	18.9	21.4	23.9	26.7	29.6	32.6	35.8	39.1
	OD UNIT KW	2.23	2.35	2.46	2.58	2.69	2.80	2.91	3.02
105	HEAD PRESS PSIG	268.	275.	282.	290.	299.	308.	318.	329.
	CAP. BTUH/1000	17.1	19.4	21.8	24.4	27.1	30.0	33.0	36.1
	OD UNIT KW	2.29	2.43	2.56	2.69	2.82	2.96	3.09	3.23
115	HEAD PRESS PSIG	300.	308.	316.	324.	333.	343.	353.	364.
	CAP. BTUH/1000	15.2	17.4	19.7	22.1	24.6	27.3	30.1	33.1
	OD UNIT KW	2.32	2.48	2.63	2.78	2.93	3.09	3.25	3.41

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 15 DEG. SUPERHEAT

COOLING PERFORMANCE - OUTDOOR UNIT  
50 HZ - U.S. CUSTOMARY UNITS

2TTA0040AD

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	142.	148.	155.	162.	169.	177.	186.	195.
	CAP. BTUH/1000	30.0	33.5	37.1	41.0	45.1	49.5	54.0	58.8
	OD UNIT KW	2.18	2.27	2.36	2.45	2.54	2.63	2.72	2.81
65	HEAD PRESS PSIG	165.	171.	178.	185.	193.	202.	211.	221.
	CAP. BTUH/1000	28.2	31.5	35.0	38.8	42.7	46.8	51.1	55.6
	OD UNIT KW	2.35	2.45	2.56	2.66	2.77	2.88	2.99	3.11
75	HEAD PRESS PSIG	189.	196.	203.	211.	220.	229.	238.	249.
	CAP. BTUH/1000	26.4	29.5	32.9	36.4	40.2	44.1	48.2	52.4
	OD UNIT KW	2.50	2.62	2.74	2.86	2.99	3.12	3.25	3.39
85	HEAD PRESS PSIG	216.	223.	231.	239.	248.	257.	268.	279.
	CAP. BTUH/1000	24.5	27.5	30.7	34.0	37.6	41.3	45.1	49.2
	OD UNIT KW	2.65	2.78	2.92	3.06	3.20	3.35	3.51	3.67
95	HEAD PRESS PSIG	245.	252.	260.	269.	278.	288.	299.	311.
	CAP. BTUH/1000	22.7	25.5	28.5	31.6	34.9	38.4	42.0	45.8
	OD UNIT KW	2.77	2.92	3.08	3.24	3.40	3.57	3.75	3.94
105	HEAD PRESS PSIG	276.	284.	292.	302.	311.	322.	333.	345.
	CAP. BTUH/1000	20.8	23.4	26.2	29.1	32.2	35.5	38.9	42.4
	OD UNIT KW	2.88	3.05	3.22	3.40	3.59	3.78	3.98	4.20
115	HEAD PRESS PSIG	310.	318.	327.	337.	347.	358.	369.	381.
	CAP. BTUH/1000	18.9	21.3	23.9	26.6	29.5	32.5	35.7	38.9
	OD UNIT KW	2.97	3.15	3.35	3.55	3.75	3.97	4.20	4.44

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 15 DEG. SUPERHEAT

COOLING PERFORMANCE - OUTDOOR UNIT  
50 HZ - U.S. CUSTOMARY UNITS

2TTA0050AD

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	142.	147.	153.	159.	166.	173.	180.	188.
	CAP. BTUH/1000	40.6	44.9	49.4	54.1	59.1	64.3	69.7	75.3
	OD UNIT KW	2.91	3.02	3.12	3.21	3.30	3.37	3.44	3.50
65	HEAD PRESS PSIG	164.	170.	176.	183.	190.	198.	205.	214.
	CAP. BTUH/1000	38.2	42.4	46.7	51.3	56.1	61.0	66.2	71.5
	OD UNIT KW	3.11	3.24	3.37	3.48	3.59	3.70	3.80	3.90
75	HEAD PRESS PSIG	189.	195.	202.	209.	217.	225.	233.	242.
	CAP. BTUH/1000	35.8	39.8	44.0	48.3	52.9	57.7	62.6	67.7
	OD UNIT KW	3.30	3.45	3.60	3.74	3.88	4.02	4.16	4.29
85	HEAD PRESS PSIG	216.	222.	230.	237.	245.	254.	263.	273.
	CAP. BTUH/1000	33.3	37.1	41.1	45.3	49.7	54.2	58.9	63.8
	OD UNIT KW	3.47	3.65	3.82	3.99	4.16	4.33	4.51	4.68
95	HEAD PRESS PSIG	245.	252.	260.	268.	276.	285.	295.	305.
	CAP. BTUH/1000	30.8	34.4	38.2	42.2	46.4	50.7	55.2	59.8
	OD UNIT KW	3.63	3.83	4.03	4.23	4.43	4.63	4.84	5.05
105	HEAD PRESS PSIG	276.	284.	292.	301.	310.	320.	330.	341.
	CAP. BTUH/1000	28.2	31.7	35.3	39.1	43.1	47.1	51.4	55.8
	OD UNIT KW	3.76	3.98	4.21	4.44	4.68	4.92	5.16	5.41
115	HEAD PRESS PSIG	310.	318.	327.	336.	346.	356.	367.	378.
	CAP. BTUH/1000	25.6	28.9	32.4	35.9	39.7	43.5	47.5	51.7
	OD UNIT KW	3.86	4.11	4.37	4.63	4.90	5.18	5.46	5.75

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 15 DEG. SUPERHEAT

COOLING PERFORMANCE - OUTDOOR UNIT  
50 HZ - U.S. CUSTOMARY UNITS

2TTA0060AD

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	139.	144.	149.	155.	161.	167.	174.	182.
	CAP. BTUH/1000	47.9	52.8	57.9	63.4	69.1	75.2	81.5	88.1
	OD UNIT KW	3.15	3.22	3.30	3.39	3.48	3.59	3.71	3.84
65	HEAD PRESS PSIG	163.	168.	173.	179.	186.	192.	200.	208.
	CAP. BTUH/1000	46.0	50.7	55.6	60.8	66.3	72.1	78.1	84.4
	OD UNIT KW	3.46	3.53	3.62	3.71	3.81	3.93	4.05	4.19
75	HEAD PRESS PSIG	188.	194.	200.	206.	213.	220.	228.	236.
	CAP. BTUH/1000	43.8	48.3	53.1	58.0	63.3	68.8	74.6	80.6
	OD UNIT KW	3.82	3.90	3.99	4.09	4.20	4.32	4.45	4.59
85	HEAD PRESS PSIG	217.	223.	229.	236.	243.	250.	259.	268.
	CAP. BTUH/1000	41.4	45.7	50.3	55.0	60.1	65.3	70.8	76.6
	OD UNIT KW	4.24	4.33	4.42	4.53	4.64	4.77	4.90	5.05
95	HEAD PRESS PSIG	248.	254.	261.	268.	275.	283.	292.	301.
	CAP. BTUH/1000	38.9	43.0	47.3	51.9	56.6	61.7	66.9	72.4
	OD UNIT KW	4.73	4.82	4.92	5.03	5.15	5.28	5.42	5.57
105	HEAD PRESS PSIG	283.	289.	296.	303.	311.	320.	329.	338.
	CAP. BTUH/1000	36.2	40.1	44.2	48.5	53.1	57.8	62.8	68.1
	OD UNIT KW	5.28	5.37	5.47	5.59	5.71	5.84	5.99	6.15
115	HEAD PRESS PSIG	321.	327.	334.	342.	350.	359.	368.	378.
	CAP. BTUH/1000	33.3	37.0	41.0	45.1	49.4	53.9	58.7	63.6
	OD UNIT KW	5.89	5.98	6.09	6.21	6.33	6.47	6.62	6.78

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 15 DEG. SUPERHEAT

COOLING PERFORMANCE - OUTDOOR UNIT  
50 HZ - U.S. CUSTOMARY UNITS

2TTB0530AA

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	137.	142.	148.	154.	160.	166.	173.	179.
	CAP. BTUH/1000	22.1	24.8	27.6	30.5	33.4	36.4	39.4	42.5
	OD UNIT KW	1.74	1.79	1.83	1.87	1.90	1.92	1.93	1.93
65	HEAD PRESS PSIG	159.	165.	171.	177.	183.	190.	197.	205.
	CAP. BTUH/1000	20.8	23.3	26.0	28.7	31.5	34.4	37.3	40.2
	OD UNIT KW	1.84	1.91	1.97	2.03	2.08	2.12	2.16	2.19
75	HEAD PRESS PSIG	183.	189.	196.	202.	209.	217.	224.	232.
	CAP. BTUH/1000	19.4	21.8	24.3	26.9	29.6	32.3	35.1	37.9
	OD UNIT KW	1.94	2.02	2.10	2.18	2.25	2.32	2.38	2.43
85	HEAD PRESS PSIG	210.	216.	223.	230.	238.	245.	253.	262.
	CAP. BTUH/1000	18.1	20.4	22.7	25.2	27.7	30.3	33.0	35.6
	OD UNIT KW	2.04	2.14	2.23	2.32	2.42	2.50	2.58	2.66
95	HEAD PRESS PSIG	239.	246.	253.	260.	268.	277.	285.	294.
	CAP. BTUH/1000	16.8	18.9	21.1	23.5	25.9	28.3	30.9	33.4
	OD UNIT KW	2.14	2.25	2.36	2.47	2.57	2.68	2.78	2.88
105	HEAD PRESS PSIG	271.	278.	286.	294.	302.	311.	320.	329.
	CAP. BTUH/1000	15.5	17.5	19.6	21.8	24.1	26.4	28.8	31.2
	OD UNIT KW	2.24	2.36	2.48	2.60	2.73	2.85	2.97	3.08
115	HEAD PRESS PSIG	306.	314.	321.	330.	339.	348.	357.	367.
	CAP. BTUH/1000	14.4	16.2	18.1	20.2	22.3	24.5	26.8	29.1
	OD UNIT KW	2.35	2.47	2.60	2.74	2.87	3.01	3.15	3.28

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 15 DEG. SUPERHEAT

COOLING PERFORMANCE - OUTDOOR UNIT  
50 HZ - U.S. CUSTOMARY UNITS

2TTB0536AA

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	135.	140.	145.	151.	157.	164.	171.	179.
	CAP. BTUH/1000	28.4	31.7	35.1	38.8	42.8	46.9	51.3	55.9
	OD UNIT KW	1.98	2.04	2.10	2.15	2.19	2.23	2.27	2.30
65	HEAD PRESS PSIG	157.	162.	168.	174.	180.	188.	195.	203.
	CAP. BTUH/1000	26.7	29.8	33.1	36.7	40.4	44.4	48.5	52.9
	OD UNIT KW	2.14	2.22	2.29	2.36	2.42	2.49	2.55	2.61
75	HEAD PRESS PSIG	180.	186.	192.	199.	206.	213.	222.	230.
	CAP. BTUH/1000	24.9	27.8	31.0	34.4	38.0	41.8	45.7	49.9
	OD UNIT KW	2.29	2.38	2.47	2.56	2.64	2.73	2.81	2.90
85	HEAD PRESS PSIG	206.	212.	219.	226.	233.	241.	250.	259.
	CAP. BTUH/1000	23.0	25.9	28.9	32.1	35.5	39.1	42.8	46.7
	OD UNIT KW	2.41	2.52	2.63	2.74	2.85	2.95	3.07	3.18
95	HEAD PRESS PSIG	235.	241.	248.	255.	263.	272.	281.	290.
	CAP. BTUH/1000	21.2	23.9	26.7	29.8	33.0	36.3	39.9	43.6
	OD UNIT KW	2.51	2.64	2.77	2.90	3.03	3.16	3.30	3.44
105	HEAD PRESS PSIG	265.	272.	280.	287.	296.	304.	314.	324.
	CAP. BTUH/1000	19.3	21.9	24.6	27.4	30.4	33.6	36.9	40.3
	OD UNIT KW	2.59	2.73	2.88	3.03	3.19	3.35	3.51	3.68
115	HEAD PRESS PSIG	299.	306.	313.	322.	330.	339.	349.	359.
	CAP. BTUH/1000	17.5	19.9	22.4	25.0	27.8	30.8	33.9	37.1
	OD UNIT KW	2.62	2.79	2.96	3.14	3.32	3.50	3.70	3.90

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 15 DEG. SUPERHEAT

COOLING PERFORMANCE - OUTDOOR UNIT

2TWA0030AD

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	141.	146.	152.	159.	166.	173.	181.	190.
	CAP. BTUH/1000	26.2	29.1	32.2	35.5	39.0	42.7	46.5	50.6
	OD UNIT KW	1.87	1.94	2.00	2.05	2.10	2.14	2.17	2.20
65	HEAD PRESS PSIG	163.	169.	175.	182.	190.	198.	206.	215.
	CAP. BTUH/1000	24.5	27.3	30.2	33.4	36.7	40.3	43.9	47.8
	OD UNIT KW	2.03	2.11	2.19	2.26	2.32	2.38	2.44	2.49
75	HEAD PRESS PSIG	187.	193.	200.	208.	215.	224.	233.	243.
	CAP. BTUH/1000	22.7	25.4	28.2	31.2	34.4	37.8	41.3	44.9
	OD UNIT KW	2.17	2.26	2.36	2.44	2.53	2.61	2.69	2.77
85	HEAD PRESS PSIG	213.	220.	227.	235.	243.	252.	262.	272.
	CAP. BTUH/1000	20.9	23.4	26.1	29.0	32.0	35.2	38.5	42.0
	OD UNIT KW	2.28	2.40	2.50	2.61	2.72	2.82	2.92	3.02
95	HEAD PRESS PSIG	241.	249.	256.	265.	273.	283.	293.	304.
	CAP. BTUH/1000	19.0	21.4	24.0	26.7	29.6	32.6	35.7	39.0
	OD UNIT KW	2.37	2.50	2.63	2.76	2.88	3.01	3.13	3.26
105	HEAD PRESS PSIG	272.	279.	288.	296.	305.	315.	326.	337.
	CAP. BTUH/1000	17.1	19.4	21.8	24.4	27.1	29.9	32.9	35.9
	OD UNIT KW	2.43	2.58	2.73	2.87	3.02	3.17	3.32	3.47
115	HEAD PRESS PSIG	304.	312.	321.	330.	340.	350.	361.	373.
	CAP. BTUH/1000	15.2	17.4	19.6	22.0	24.6	27.2	30.0	32.9
	OD UNIT KW	2.46	2.63	2.79	2.96	3.13	3.30	3.48	3.66

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 20 DEG. SUPERHEAT

HEATING PERFORMANCE - OUTDOOR UNIT

2TWA0030AD

OD TEMP DEG. F		SATURATED CONDENSING TEMPERATURE DEGREES F.									
		75	80	85	90	95	100	105	110	115	120
	SUCT PRESS PSIG	90.4	91.1	91.7	92.4	93.1	93.8	94.5	95.3	96.1	96.9
77	CAP. BTUH/1000	50.6	50.3	49.9	49.5	49.0	48.5	48.0	47.4	46.8	46.2
	OD UNIT KW	1.48	1.65	1.81	1.98	2.16	2.33	2.50	2.67	2.84	3.01
	SUCT PRESS PSIG	82.4	83.0	83.6	84.3	84.9	85.6	86.4	87.1	87.9	88.7
72	CAP. BTUH/1000	46.7	46.4	46.0	45.6	45.2	44.7	44.2	43.7	43.1	42.5
	OD UNIT KW	1.61	1.76	1.92	2.08	2.23	2.39	2.55	2.70	2.85	3.00
	SUCT PRESS PSIG	75.0	75.5	76.1	76.8	77.4	78.1	78.8	79.5	80.3	81.0
67	CAP. BTUH/1000	43.1	42.8	42.4	42.0	41.6	41.2	40.7	40.2	39.6	39.0
	OD UNIT KW	1.71	1.85	2.00	2.14	2.28	2.43	2.57	2.71	2.85	2.98
	SUCT PRESS PSIG	68.1	68.6	69.2	69.8	70.5	71.1	71.8	72.5	73.2	73.9
62	CAP. BTUH/1000	39.7	39.4	39.1	38.7	38.3	37.9	37.4	36.9	36.4	35.8
	OD UNIT KW	1.78	1.91	2.05	2.18	2.31	2.44	2.57	2.70	2.82	2.94
	SUCT PRESS PSIG	61.8	62.3	62.9	63.5	64.1	64.7	65.3	66.0	66.7	67.4
57	CAP. BTUH/1000	36.6	36.3	36.0	35.6	35.2	34.8	34.4	33.9	33.4	32.8
	OD UNIT KW	1.83	1.95	2.08	2.20	2.32	2.44	2.55	2.67	2.78	2.88
	SUCT PRESS PSIG	56.0	56.5	57.0	57.6	58.2	58.8	59.4	60.0	60.7	61.3
52	CAP. BTUH/1000	33.7	33.4	33.1	32.8	32.4	32.0	31.5	31.1	30.5	30.0
	OD UNIT KW	1.86	1.97	2.09	2.20	2.31	2.42	2.52	2.62	2.72	2.81
	SUCT PRESS PSIG	50.7	51.2	51.7	52.2	52.7	53.3	53.9	54.5	55.1	55.8
47	CAP. BTUH/1000	31.0	30.8	30.4	30.1	29.7	29.3	28.9	28.4	27.9	27.4
	OD UNIT KW	1.87	1.98	2.08	2.19	2.29	2.38	2.48	2.57	2.65	2.73
	SUCT PRESS PSIG	44.4	44.9	45.4	45.9	46.4	47.0	47.6	48.2	48.8	49.5
42	CAP. BTUH/1000	28.1	27.9	27.6	27.3	26.9	26.5	26.1	25.7	25.2	24.7
	OD UNIT KW	1.87	1.97	2.07	2.16	2.25	2.34	2.42	2.50	2.57	2.64
	SUCT PRESS PSIG	38.6	39.1	39.6	40.1	40.7	41.2	41.8	42.4	43.0	43.7
37	CAP. BTUH/1000	25.4	25.2	24.9	24.6	24.3	23.9	23.5	23.1	22.6	22.1
	OD UNIT KW	1.85	1.94	2.03	2.11	2.19	2.27	2.34	2.41	2.47	2.53



	SUCT PRESS PSIG	35.1	35.6	36.0	36.5	37.0	37.6	38.1	38.7	39.2	39.8
32	CAP. BTUH/1000	23.1	22.8	22.5	22.2	21.9	21.5	21.2	20.7	20.3	19.8
	OD UNIT KW	1.83	1.91	2.00	2.08	2.15	2.22	2.29	2.35	2.40	2.45
	SUCT PRESS PSIG	32.1	32.5	32.9	33.4	33.8	34.3	34.8	35.3	35.9	36.4
27	CAP. BTUH/1000	20.9	20.6	20.3	20.0	19.7	19.4	19.0	18.6	18.1	17.6
	OD UNIT KW	1.80	1.88	1.96	2.04	2.11	2.17	2.23	2.29	2.33	2.37
	SUCT PRESS PSIG	29.1	29.5	29.9	30.3	30.8	31.2	31.7	32.1	32.6	33.1
22	CAP. BTUH/1000	18.8	18.6	18.3	18.0	17.7	17.3	16.9	16.5	16.1	15.6
	OD UNIT KW	1.77	1.85	1.92	1.99	2.06	2.12	2.17	2.21	2.25	2.28
	SUCT PRESS PSIG	26.3	26.7	27.0	27.4	27.8	28.2	28.6	29.0	29.4	29.9
17	CAP. BTUH/1000	16.9	16.6	16.4	16.1	15.7	15.4	15.0	14.6	14.2	13.7
	OD UNIT KW	1.72	1.80	1.87	1.94	2.00	2.05	2.10	2.14	2.17	2.19
	SUCT PRESS PSIG	23.2	23.5	23.8	24.2	24.6	24.9	25.3	25.7	26.1	26.5
12	CAP. BTUH/1000	15.4	15.1	14.8	14.5	14.2	13.9	13.5	13.1	12.6	12.2
	OD UNIT KW	1.66	1.73	1.80	1.86	1.91	1.96	2.00	2.03	2.05	2.06
	SUCT PRESS PSIG	20.2	20.5	20.9	21.2	21.5	21.9	22.3	22.6	23.0	23.4
7	CAP. BTUH/1000	13.9	13.7	13.4	13.1	12.8	12.4	12.0	11.6	11.2	10.7
	OD UNIT KW	1.58	1.65	1.72	1.77	1.82	1.86	1.90	1.92	1.93	1.94
	SUCT PRESS PSIG	17.4	17.7	18.0	18.4	18.7	19.0	19.4	19.7	20.0	20.4
2	CAP. BTUH/1000	12.5	12.3	12.0	11.7	11.4	11.0	10.7	10.3	9.83	9.36
	OD UNIT KW	1.50	1.57	1.63	1.68	1.73	1.76	1.79	1.81	1.81	1.81
	SUCT PRESS PSIG	14.8	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.3	17.6
-3	CAP. BTUH/1000	11.2	11.0	10.7	10.4	10.1	9.72	9.35	8.95	8.52	8.06
	OD UNIT KW	1.41	1.48	1.54	1.59	1.63	1.66	1.68	1.69	1.69	1.68
	SUCT PRESS PSIG	12.3	12.6	12.9	13.2	13.4	13.7	14.1	14.4	14.7	
-8	CAP. BTUH/1000	9.96	9.71	9.43	9.14	8.82	8.47	8.10	7.70	7.27	
	OD UNIT KW	1.32	1.38	1.44	1.49	1.52	1.55	1.57	1.57	1.57	
	SUCT PRESS PSIG	9.91	10.2	10.5	10.8	11.1	11.3	11.6	11.9		
-13	CAP. BTUH/1000	8.77	8.51	8.24	7.95	7.63	7.29	6.92	6.52		
	OD UNIT KW	1.22	1.28	1.34	1.38	1.42	1.44	1.45	1.46		

CAPACITIES EXCLUDE THE HEATING CONTRIBUTION OF INDOOR FAN WATTS AND ASSUME STEADY STATE CONDITIONS WITH CLEAN COIL AND NO FROST.

OUTDOOR POWER EQUALS THE COMPRESSOR POWER PLUS OUTDOOR FAN POWER.

INDOOR COIL INTERNAL VOLUME MUST NOT BE LESS THAN 92 OR GREATER THAN 154 CUBIC IN.

INDOOR FLOW CONTROL MUST BE THERMOSTATIC EXPANSION VALVE

\* OUTDOOR DRY BULB AT 80 PERCENT RELATIVE HUMIDITY

THE TRANE COMPANY, DEALER PRODUCTS GROUP -- TYLER, TEXAS

23-MAR-04

COOLING PERFORMANCE - OUTDOOR UNIT

2TWA0040AD

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	136.	141.	146.	152.	158.	165.	173.	181.
	CAP. BTUH/1000	31.5	35.2	39.1	43.2	47.6	52.3	57.2	62.3
	OD UNIT KW	2.20	2.28	2.36	2.44	2.51	2.58	2.65	2.72
65	HEAD PRESS PSIG	157.	163.	169.	175.	182.	189.	197.	206.
	CAP. BTUH/1000	29.7	33.2	36.9	40.9	45.1	49.5	54.2	59.1
	OD UNIT KW	2.37	2.47	2.56	2.65	2.74	2.83	2.93	3.02
75	HEAD PRESS PSIG	181.	187.	194.	200.	208.	215.	224.	233.
	CAP. BTUH/1000	27.7	31.1	34.7	38.4	42.5	46.7	51.1	55.8
	OD UNIT KW	2.54	2.65	2.76	2.87	2.98	3.09	3.20	3.32
85	HEAD PRESS PSIG	208.	214.	221.	228.	235.	244.	253.	262.
	CAP. BTUH/1000	25.8	29.0	32.4	36.0	39.8	43.8	48.0	52.3
	OD UNIT KW	2.69	2.81	2.94	3.07	3.20	3.33	3.47	3.61
95	HEAD PRESS PSIG	236.	243.	250.	257.	266.	274.	284.	293.
	CAP. BTUH/1000	23.8	26.8	30.0	33.4	37.0	40.8	44.7	48.8
	OD UNIT KW	2.82	2.96	3.11	3.26	3.41	3.56	3.73	3.89
105	HEAD PRESS PSIG	267.	274.	282.	290.	298.	307.	317.	327.
	CAP. BTUH/1000	21.8	24.6	27.6	30.8	34.2	37.7	41.4	45.2
	OD UNIT KW	2.94	3.10	3.26	3.43	3.61	3.78	3.97	4.17
115	HEAD PRESS PSIG	301.	308.	316.	324.	333.	343.	353.	363.
	CAP. BTUH/1000	19.8	22.5	25.2	28.2	31.3	34.6	38.0	41.6
	OD UNIT KW	3.03	3.21	3.40	3.59	3.78	3.99	4.20	4.42

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 20 DEG. SUPERHEAT

HEATING PERFORMANCE - OUTDOOR UNIT

2TWA0040AD

OD TEMP DEG. F		SATURATED CONDENSING TEMPERATURE DEGREES F.									
		75	80	85	90	95	100	105	110	115	120
	SUCT PRESS PSIG	88.4	89.0	89.6	90.3	91.0	91.7	92.5	93.3	94.1	94.9
77	CAP. BTUH/1000	63.9	63.4	62.8	62.2	61.6	61.0	60.3	59.6	58.8	58.0
	OD UNIT KW	2.01	2.16	2.31	2.47	2.63	2.79	2.95	3.12	3.29	3.46
	SUCT PRESS PSIG	80.5	81.1	81.7	82.4	83.0	83.7	84.5	85.2	86.0	86.8
72	CAP. BTUH/1000	58.8	58.3	57.8	57.3	56.7	56.1	55.4	54.8	54.0	53.3
	OD UNIT KW	2.07	2.21	2.35	2.50	2.65	2.80	2.95	3.10	3.25	3.41
	SUCT PRESS PSIG	73.3	73.8	74.4	75.0	75.7	76.3	77.0	77.7	78.5	79.2
67	CAP. BTUH/1000	54.1	53.6	53.1	52.6	52.1	51.5	50.9	50.3	49.6	48.9
	OD UNIT KW	2.11	2.24	2.37	2.51	2.65	2.79	2.93	3.07	3.21	3.35
	SUCT PRESS PSIG	66.6	67.1	67.7	68.3	68.9	69.5	70.2	70.8	71.5	72.3
62	CAP. BTUH/1000	49.7	49.3	48.8	48.3	47.8	47.3	46.7	46.1	45.5	44.8
	OD UNIT KW	2.14	2.26	2.38	2.51	2.64	2.76	2.89	3.02	3.15	3.28
	SUCT PRESS PSIG	60.4	60.9	61.5	62.0	62.6	63.2	63.8	64.5	65.1	65.8
57	CAP. BTUH/1000	45.7	45.3	44.8	44.4	43.9	43.4	42.9	42.3	41.7	41.1
	OD UNIT KW	2.15	2.26	2.38	2.49	2.61	2.73	2.85	2.97	3.08	3.20
	SUCT PRESS PSIG	54.8	55.3	55.8	56.3	56.9	57.4	58.0	58.6	59.2	59.9
52	CAP. BTUH/1000	42.0	41.6	41.2	40.7	40.3	39.8	39.3	38.7	38.2	37.6
	OD UNIT KW	2.14	2.25	2.36	2.47	2.58	2.69	2.80	2.90	3.01	3.12
	SUCT PRESS PSIG	49.6	50.1	50.6	51.1	51.6	52.1	52.6	53.2	53.8	54.4
47	CAP. BTUH/1000	38.6	38.2	37.8	37.4	36.9	36.4	36.0	35.4	34.9	34.3
	OD UNIT KW	2.13	2.23	2.33	2.43	2.53	2.64	2.74	2.83	2.93	3.03
	SUCT PRESS PSIG	43.7	44.2	44.6	45.1	45.6	46.1	46.7	47.2	47.8	48.4
42	CAP. BTUH/1000	34.8	34.5	34.1	33.7	33.3	32.9	32.4	31.9	31.4	30.9
	OD UNIT KW	2.10	2.19	2.29	2.38	2.48	2.57	2.66	2.75	2.83	2.92
	SUCT PRESS PSIG	38.3	38.8	39.2	39.7	40.2	40.7	41.2	41.7	42.3	42.8
37	CAP. BTUH/1000	31.4	31.0	30.7	30.3	30.0	29.6	29.1	28.7	28.2	27.7
	OD UNIT KW	2.05	2.14	2.23	2.32	2.41	2.49	2.57	2.65	2.73	2.80

	SUCT PRESS PSIG	35.1	35.5	36.0	36.4	36.8	37.3	37.8	38.3	38.7	39.2
32	CAP. BTUH/1000	28.3	28.0	27.6	27.3	26.9	26.5	26.1	25.7	25.2	24.7
	OD UNIT KW	2.01	2.10	2.19	2.27	2.35	2.43	2.50	2.57	2.64	2.71
	SUCT PRESS PSIG	32.3	32.7	33.1	33.5	33.9	34.3	34.7	35.1	35.5	36.0
27	CAP. BTUH/1000	25.4	25.1	24.8	24.4	24.0	23.7	23.3	22.8	22.4	21.9
	OD UNIT KW	1.97	2.05	2.14	2.21	2.29	2.36	2.43	2.50	2.56	2.62
	SUCT PRESS PSIG	29.5	29.9	30.2	30.6	30.9	31.3	31.7	32.1	32.4	32.8
22	CAP. BTUH/1000	22.7	22.4	22.1	21.7	21.4	21.0	20.6	20.2	19.8	19.3
	OD UNIT KW	1.93	2.00	2.08	2.16	2.23	2.29	2.36	2.42	2.47	2.52
	SUCT PRESS PSIG	26.8	27.1	27.4	27.8	28.1	28.4	28.7	29.1	29.4	29.7
17	CAP. BTUH/1000	20.1	19.8	19.5	19.2	18.8	18.5	18.1	17.7	17.3	16.9
	OD UNIT KW	1.87	1.95	2.02	2.09	2.16	2.22	2.28	2.33	2.38	2.42
	SUCT PRESS PSIG	23.6	23.9	24.2	24.5	24.8	25.1	25.4	25.7	26.0	26.3
12	CAP. BTUH/1000	18.3	18.0	17.7	17.4	17.0	16.7	16.3	15.9	15.5	15.1
	OD UNIT KW	1.81	1.88	1.95	2.02	2.08	2.14	2.19	2.24	2.28	2.32
	SUCT PRESS PSIG	20.6	20.9	21.1	21.4	21.7	22.0	22.3	22.5	22.8	23.1
7	CAP. BTUH/1000	16.5	16.2	15.9	15.6	15.3	14.9	14.6	14.2	13.8	13.4
	OD UNIT KW	1.75	1.82	1.88	1.94	2.00	2.05	2.10	2.14	2.18	2.21
	SUCT PRESS PSIG	17.7	18.0	18.3	18.5	18.8	19.0	19.3	19.6	19.8	20.1
2	CAP. BTUH/1000	14.9	14.6	14.3	14.0	13.6	13.3	12.9	12.6	12.2	11.8
	OD UNIT KW	1.67	1.74	1.81	1.86	1.92	1.97	2.01	2.05	2.07	2.10
	SUCT PRESS PSIG	15.0	15.3	15.5	15.8	16.0	16.3	16.5	16.8	17.0	17.2
-3	CAP. BTUH/1000	13.3	13.0	12.7	12.4	12.1	11.8	11.4	11.0	10.7	10.3
	OD UNIT KW	1.60	1.66	1.73	1.78	1.83	1.88	1.92	1.95	1.97	1.99
	SUCT PRESS PSIG	12.5	12.7	13.0	13.2	13.4	13.7	13.9	14.1	14.3	
-8	CAP. BTUH/1000	11.8	11.5	11.2	10.9	10.6	10.3	9.94	9.59	9.23	
	OD UNIT KW	1.52	1.58	1.64	1.70	1.74	1.79	1.82	1.85	1.87	
	SUCT PRESS PSIG	10.1	10.3	10.5	10.8	11.0	11.2	11.4	11.6		
-13	CAP. BTUH/1000	10.4	10.1	9.84	9.54	9.22	8.90	8.56	8.22		
	OD UNIT KW	1.43	1.50	1.56	1.61	1.65	1.69	1.72	1.75		

CAPACITIES EXCLUDE THE HEATING CONTRIBUTION OF INDOOR FAN WATTS AND ASSUME

STEADY STATE CONDITIONS WITH CLEAN COIL AND NO FROST.

OUTDOOR POWER EQUALS THE COMPRESSOR POWER PLUS OUTDOOR FAN POWER.

INDOOR COIL INTERNAL VOLUME MUST NOT BE LESS THAN 120 OR GREATER THAN 200 CUBIC IN.

INDOOR FLOW CONTROL MUST BE THERMOSTATIC EXPANSION VALVE

\* OUTDOOR DRY BULB AT 80 PERCENT RELATIVE HUMIDITY

THE TRANE COMPANY, DEALER PRODUCTS GROUP -- TYLER, TEXAS

15-MAR-04

COOLING PERFORMANCE - OUTDOOR UNIT

2TWA0050AD

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	133.	138.	142.	147.	152.	158.	164.	170.
	CAP. BTUH/1000	42.1	46.6	51.3	56.3	61.5	67.0	72.7	78.7
	OD UNIT KW	2.86	2.95	3.04	3.10	3.16	3.20	3.23	3.25
65	HEAD PRESS PSIG	155.	160.	165.	170.	176.	182.	188.	195.
	CAP. BTUH/1000	39.7	44.0	48.6	53.4	58.4	63.7	69.2	75.0
	OD UNIT KW	3.07	3.19	3.29	3.39	3.47	3.55	3.61	3.67
75	HEAD PRESS PSIG	179.	184.	190.	195.	202.	208.	215.	222.
	CAP. BTUH/1000	37.1	41.3	45.7	50.4	55.2	60.3	65.6	71.1
	OD UNIT KW	3.27	3.41	3.54	3.66	3.78	3.89	3.99	4.08
85	HEAD PRESS PSIG	205.	211.	217.	223.	230.	237.	244.	252.
	CAP. BTUH/1000	34.6	38.6	42.8	47.3	51.9	56.8	61.8	67.1
	OD UNIT KW	3.46	3.62	3.78	3.93	4.07	4.22	4.36	4.49
95	HEAD PRESS PSIG	234.	240.	246.	253.	260.	267.	275.	284.
	CAP. BTUH/1000	32.0	35.8	39.9	44.1	48.5	53.2	58.0	63.0
	OD UNIT KW	3.62	3.81	4.00	4.18	4.36	4.54	4.71	4.89
105	HEAD PRESS PSIG	265.	271.	278.	285.	293.	301.	309.	318.
	CAP. BTUH/1000	29.3	33.0	36.8	40.9	45.1	49.5	54.0	58.8
	OD UNIT KW	3.77	3.98	4.20	4.41	4.63	4.84	5.06	5.27
115	HEAD PRESS PSIG	299.	306.	313.	320.	328.	337.	345.	355.
	CAP. BTUH/1000	26.6	30.1	33.8	37.6	41.6	45.7	50.0	54.5
	OD UNIT KW	3.89	4.13	4.38	4.63	4.88	5.13	5.38	5.64

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 20 DEG. SUPERHEAT

## HEATING PERFORMANCE - OUTDOOR UNIT

2TWA0050AD

OD TEMP DEG. F		SATURATED CONDENSING TEMPERATURE DEGREES F.									
		75	80	85	90	95	100	105	110	115	120
	SUCT PRESS PSIG	89.3	89.9	90.5	91.2	91.8	92.5	93.2	93.9	94.7	95.4
77	CAP. BTUH/1000	76.3	75.7	75.2	74.6	73.9	73.3	72.6	71.9	71.1	70.3
	OD UNIT KW	2.57	2.77	2.98	3.19	3.41	3.63	3.85	4.08	4.31	4.54
	SUCT PRESS PSIG	81.1	81.7	82.3	82.9	83.6	84.2	84.9	85.6	86.3	87.1
72	CAP. BTUH/1000	70.7	70.2	69.7	69.1	68.5	67.9	67.2	66.6	65.8	65.1
	OD UNIT KW	2.69	2.88	3.07	3.27	3.47	3.67	3.87	4.08	4.29	4.50
	SUCT PRESS PSIG	73.6	74.2	74.7	75.3	75.9	76.6	77.2	77.9	78.6	79.3
67	CAP. BTUH/1000	65.5	65.0	64.5	64.0	63.4	62.8	62.2	61.5	60.9	60.1
	OD UNIT KW	2.78	2.95	3.13	3.31	3.49	3.68	3.87	4.05	4.24	4.43
	SUCT PRESS PSIG	66.7	67.2	67.8	68.3	68.9	69.5	70.2	70.8	71.5	72.2
62	CAP. BTUH/1000	60.6	60.2	59.7	59.2	58.6	58.1	57.5	56.8	56.2	55.5
	OD UNIT KW	2.84	3.00	3.16	3.33	3.49	3.66	3.83	4.01	4.18	4.35
	SUCT PRESS PSIG	60.3	60.8	61.4	61.9	62.5	63.1	63.7	64.3	64.9	65.6
57	CAP. BTUH/1000	56.1	55.6	55.2	54.7	54.1	53.6	53.0	52.4	51.8	51.1
	OD UNIT KW	2.87	3.02	3.17	3.32	3.47	3.63	3.78	3.94	4.09	4.25
	SUCT PRESS PSIG	54.5	55.0	55.5	56.0	56.6	57.1	57.7	58.3	58.9	59.5
52	CAP. BTUH/1000	51.8	51.4	51.0	50.5	50.0	49.4	48.9	48.3	47.6	47.0
	OD UNIT KW	2.87	3.01	3.15	3.29	3.43	3.57	3.71	3.85	3.99	4.13
	SUCT PRESS PSIG	49.2	49.7	50.2	50.7	51.2	51.7	52.3	52.8	53.4	54.0
47	CAP. BTUH/1000	47.9	47.5	47.0	46.6	46.1	45.5	45.0	44.4	43.8	43.1
	OD UNIT KW	2.86	2.98	3.11	3.24	3.37	3.50	3.63	3.76	3.88	4.01
	SUCT PRESS PSIG	43.3	43.7	44.2	44.7	45.2	45.7	46.3	46.8	47.4	48.0
42	CAP. BTUH/1000	44.4	44.0	43.6	43.1	42.6	42.1	41.6	41.0	40.4	39.8
	OD UNIT KW	2.82	2.94	3.06	3.18	3.30	3.42	3.53	3.64	3.76	3.86
	SUCT PRESS PSIG	37.9	38.4	38.8	39.3	39.8	40.3	40.9	41.4	42.0	42.5
37	CAP. BTUH/1000	41.1	40.7	40.3	39.8	39.4	38.9	38.3	37.8	37.2	36.6
	OD UNIT KW	2.77	2.88	2.99	3.10	3.21	3.31	3.42	3.52	3.61	3.71



	SUCT PRESS PSIG	34.3	34.7	35.2	35.6	36.1	36.6	37.1	37.6	38.1	38.6
32	CAP. BTUH/1000	37.1	36.8	36.3	35.9	35.5	35.0	34.5	33.9	33.4	32.8
	OD UNIT KW	2.70	2.81	2.91	3.01	3.11	3.21	3.30	3.39	3.48	3.56
	SUCT PRESS PSIG	31.1	31.5	31.9	32.3	32.8	33.2	33.7	34.1	34.6	35.1
27	CAP. BTUH/1000	33.4	33.0	32.6	32.2	31.7	31.2	30.7	30.2	29.7	29.1
	OD UNIT KW	2.63	2.73	2.82	2.92	3.01	3.10	3.18	3.26	3.34	3.41
	SUCT PRESS PSIG	28.1	28.4	28.8	29.2	29.6	30.0	30.5	30.9	31.3	31.8
22	CAP. BTUH/1000	29.9	29.5	29.1	28.7	28.3	27.8	27.3	26.8	26.3	25.7
	OD UNIT KW	2.55	2.64	2.73	2.82	2.91	2.99	3.06	3.13	3.20	3.26
	SUCT PRESS PSIG	25.2	25.6	25.9	26.3	26.7	27.0	27.4	27.8	28.2	28.6
17	CAP. BTUH/1000	26.7	26.3	25.9	25.5	25.1	24.6	24.1	23.6	23.1	22.5
	OD UNIT KW	2.46	2.55	2.63	2.72	2.79	2.87	2.94	3.00	3.06	3.11
	SUCT PRESS PSIG	22.2	22.5	22.9	23.2	23.6	23.9	24.3	24.6	25.0	25.4
12	CAP. BTUH/1000	24.3	23.9	23.6	23.1	22.7	22.3	21.8	21.3	20.8	20.2
	OD UNIT KW	2.37	2.45	2.53	2.61	2.68	2.75	2.81	2.86	2.91	2.95
	SUCT PRESS PSIG	19.3	19.7	20.0	20.3	20.6	21.0	21.3	21.7	22.0	22.4
7	CAP. BTUH/1000	22.1	21.7	21.3	20.9	20.5	20.0	19.5	19.0	18.5	18.0
	OD UNIT KW	2.26	2.34	2.42	2.49	2.56	2.62	2.67	2.72	2.76	2.79
	SUCT PRESS PSIG	16.7	17.0	17.3	17.6	17.9	18.2	18.5	18.9	19.2	19.5
2	CAP. BTUH/1000	19.9	19.6	19.2	18.8	18.3	17.9	17.4	16.9	16.4	15.8
	OD UNIT KW	2.16	2.23	2.31	2.37	2.43	2.49	2.54	2.58	2.61	2.63
	SUCT PRESS PSIG	14.1	14.4	14.7	15.0	15.3	15.6	15.9	16.2	16.6	16.9
-3	CAP. BTUH/1000	17.9	17.5	17.1	16.7	16.3	15.8	15.4	14.9	14.3	13.8
	OD UNIT KW	2.04	2.12	2.19	2.25	2.31	2.36	2.40	2.43	2.45	2.47
	SUCT PRESS PSIG	11.8	12.0	12.3	12.6	12.9	13.2	13.5	13.8	14.1	
-8	CAP. BTUH/1000	15.9	15.5	15.1	14.7	14.3	13.9	13.4	12.9	12.4	
	OD UNIT KW	1.92	2.00	2.06	2.13	2.18	2.22	2.26	2.29	2.30	
	SUCT PRESS PSIG	9.50	9.78	10.1	10.3	10.6	10.9	11.2	11.5		
-13	CAP. BTUH/1000	14.0	13.6	13.3	12.9	12.4	12.0	11.5	11.0		
	OD UNIT KW	1.80	1.87	1.94	2.00	2.05	2.09	2.12	2.14		

CAPACITIES EXCLUDE THE HEATING CONTRIBUTION OF INDOOR FAN WATTS AND ASSUME

STEADY STATE CONDITIONS WITH CLEAN COIL AND NO FROST.

OUTDOOR POWER EQUALS THE COMPRESSOR POWER PLUS OUTDOOR FAN POWER.

INDOOR COIL INTERNAL VOLUME MUST NOT BE LESS THAN 176 OR GREATER THAN 293 CUBIC IN.

INDOOR FLOW CONTROL MUST BE THERMOSTATIC EXPANSION VALVE

\* OUTDOOR DRY BULB AT 80 PERCENT RELATIVE HUMIDITY

THE TRANE COMPANY, DEALER PRODUCTS GROUP -- TYLER, TEXAS

23-MAR-04

COOLING PERFORMANCE - OUTDOOR UNIT

2TWA0060AD

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	140.	145.	151.	156.	163.	169.	177.	184.
	CAP. BTUH/1000	46.8	51.6	56.7	62.0	67.6	73.4	79.6	85.9
	OD UNIT KW	3.11	3.18	3.26	3.35	3.45	3.55	3.67	3.80
65	HEAD PRESS PSIG	164.	169.	175.	181.	188.	195.	202.	211.
	CAP. BTUH/1000	44.9	49.5	54.4	59.4	64.8	70.4	76.2	82.3
	OD UNIT KW	3.41	3.49	3.58	3.67	3.78	3.89	4.02	4.16
75	HEAD PRESS PSIG	190.	195.	201.	208.	215.	222.	230.	239.
	CAP. BTUH/1000	42.8	47.2	51.8	56.6	61.8	67.1	72.7	78.5
	OD UNIT KW	3.78	3.86	3.95	4.05	4.16	4.28	4.42	4.56
85	HEAD PRESS PSIG	218.	224.	231.	238.	245.	253.	261.	270.
	CAP. BTUH/1000	40.4	44.6	49.0	53.7	58.5	63.6	69.0	74.5
	OD UNIT KW	4.20	4.29	4.39	4.49	4.61	4.73	4.87	5.03
95	HEAD PRESS PSIG	250.	256.	263.	270.	278.	286.	295.	304.
	CAP. BTUH/1000	37.9	41.9	46.1	50.5	55.2	60.0	65.1	70.4
	OD UNIT KW	4.69	4.78	4.88	4.99	5.11	5.24	5.39	5.54
105	HEAD PRESS PSIG	285.	291.	298.	305.	314.	322.	331.	341.
	CAP. BTUH/1000	35.2	39.0	43.0	47.2	51.6	56.2	61.1	66.1
	OD UNIT KW	5.23	5.33	5.43	5.55	5.67	5.81	5.95	6.12
115	HEAD PRESS PSIG	322.	329.	337.	344.	353.	362.	371.	381.
	CAP. BTUH/1000	32.4	36.0	39.8	43.8	48.0	52.4	56.9	61.7
	OD UNIT KW	5.84	5.94	6.05	6.16	6.29	6.43	6.58	6.75

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 20 DEG. SUPERHEAT

## HEATING PERFORMANCE - OUTDOOR UNIT

2TWA0060AD

OD TEMP DEG. F		SATURATED CONDENSING TEMPERATURE DEGREES F.									
		75	80	85	90	95	100	105	110	115	120
	SUCT PRESS PSIG	82.8	83.4	83.9	84.5	85.1	85.8	86.5	87.2	87.9	88.7
77	CAP. BTUH/1000	86.6	86.1	85.6	85.1	84.5	84.0	83.5	82.9	82.4	81.9
	OD UNIT KW	3.20	3.33	3.47	3.63	3.81	4.00	4.21	4.44	4.68	4.94
	SUCT PRESS PSIG	75.1	75.5	76.1	76.6	77.2	77.8	78.5	79.2	79.9	80.6
72	CAP. BTUH/1000	79.9	79.4	79.0	78.6	78.2	77.7	77.3	76.8	76.4	76.0
	OD UNIT KW	3.17	3.30	3.44	3.60	3.78	3.98	4.19	4.42	4.67	4.93
	SUCT PRESS PSIG	67.9	68.3	68.8	69.4	69.9	70.5	71.1	71.8	72.4	73.1
67	CAP. BTUH/1000	73.7	73.3	73.0	72.7	72.3	72.0	71.6	71.3	70.9	70.6
	OD UNIT KW	3.14	3.27	3.42	3.58	3.76	3.96	4.18	4.41	4.66	4.92
	SUCT PRESS PSIG	61.3	61.8	62.2	62.7	63.2	63.8	64.4	65.0	65.6	66.3
62	CAP. BTUH/1000	68.1	67.8	67.5	67.2	67.0	66.7	66.4	66.1	65.9	65.6
	OD UNIT KW	3.11	3.25	3.40	3.56	3.75	3.95	4.17	4.40	4.65	4.92
	SUCT PRESS PSIG	55.4	55.7	56.2	56.6	57.1	57.6	58.2	58.8	59.4	60.0
57	CAP. BTUH/1000	62.9	62.7	62.5	62.3	62.1	61.9	61.7	61.5	61.3	61.1
	OD UNIT KW	3.09	3.23	3.38	3.55	3.74	3.94	4.16	4.39	4.65	4.91
	SUCT PRESS PSIG	49.9	50.3	50.7	51.1	51.6	52.0	52.6	53.1	53.7	54.3
52	CAP. BTUH/1000	58.3	58.1	58.0	57.8	57.7	57.5	57.4	57.2	57.1	57.0
	OD UNIT KW	3.08	3.21	3.37	3.54	3.73	3.93	4.15	4.39	4.65	4.92
	SUCT PRESS PSIG	44.9	45.3	45.6	46.0	46.5	46.9	47.4	47.9	48.5	49.0
47	CAP. BTUH/1000	54.1	54.0	53.9	53.7	53.6	53.5	53.4	53.4	53.3	53.2
	OD UNIT KW	3.06	3.20	3.36	3.53	3.72	3.93	4.15	4.39	4.65	4.92
	SUCT PRESS PSIG	41.3	41.6	41.9	42.3	42.7	43.1	43.6	44.0	44.5	45.0
42	CAP. BTUH/1000	51.5	51.4	51.3	51.2	51.2	51.1	51.0	51.0	50.9	50.9
	OD UNIT KW	3.05	3.20	3.36	3.53	3.72	3.93	4.15	4.39	4.65	4.92
	SUCT PRESS PSIG	37.8	38.1	38.4	38.7	39.1	39.5	39.9	40.3	40.7	41.2
37	CAP. BTUH/1000	49.0	48.9	48.9	48.8	48.7	48.7	48.6	48.6	48.6	48.6
	OD UNIT KW	3.05	3.19	3.35	3.53	3.72	3.93	4.15	4.40	4.65	4.93

	SUCT PRESS PSIG	33.8	34.1	34.4	34.7	35.0	35.4	35.7	36.1	36.6	37.0
32	CAP. BTUH/1000	44.8	44.8	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
	OD UNIT KW	3.12	3.27	3.44	3.62	3.82	4.04	4.27	4.52	4.78	5.07
	SUCT PRESS PSIG	30.0	30.3	30.6	30.8	31.1	31.5	31.8	32.2	32.6	33.0
27	CAP. BTUH/1000	40.7	40.7	40.7	40.7	40.7	40.7	40.8	40.8	40.9	41.0
	OD UNIT KW	3.21	3.37	3.54	3.73	3.94	4.16	4.40	4.66	4.94	5.23
	SUCT PRESS PSIG	26.6	26.8	27.0	27.3	27.6	27.9	28.2	28.6	29.0	29.3
22	CAP. BTUH/1000	37.0	37.0	37.0	37.1	37.1	37.2	37.2	37.3	37.4	37.5
	OD UNIT KW	3.30	3.46	3.64	3.84	4.06	4.29	4.54	4.81	5.09	5.40
	SUCT PRESS PSIG	23.3	23.5	23.8	24.0	24.3	24.6	24.9	25.2	25.6	25.9
17	CAP. BTUH/1000	33.5	33.6	33.7	33.7	33.8	33.9	34.0	34.1	34.2	34.3
	OD UNIT KW	3.39	3.56	3.75	3.95	4.18	4.42	4.68	4.95	5.25	5.56
	SUCT PRESS PSIG	20.4	20.6	20.8	21.1	21.3	21.6	21.9	22.2	22.5	22.9
12	CAP. BTUH/1000	31.2	31.3	31.3	31.4	31.5	31.6	31.7	31.9	32.0	32.2
	OD UNIT KW	3.39	3.56	3.75	3.96	4.18	4.42	4.68	4.96	5.26	5.57
	SUCT PRESS PSIG	17.7	17.9	18.1	18.3	18.6	18.8	19.1	19.4	19.7	20.0
7	CAP. BTUH/1000	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.8	29.9	30.1
	OD UNIT KW	3.39	3.56	3.75	3.96	4.19	4.43	4.69	4.97	5.27	5.58
	SUCT PRESS PSIG	15.1	15.3	15.5	15.7	16.0	16.2	16.5	16.7	17.0	17.3
2	CAP. BTUH/1000	26.9	27.0	27.1	27.2	27.3	27.4	27.6	27.8	27.9	28.2
	OD UNIT KW	3.39	3.56	3.75	3.96	4.19	4.43	4.70	4.98	5.28	5.59
	SUCT PRESS PSIG	12.7	12.9	13.1	13.3	13.5	13.7	14.0	14.3	14.5	
-3	CAP. BTUH/1000	24.8	25.0	25.1	25.2	25.3	25.5	25.7	25.8	26.0	
	OD UNIT KW	3.38	3.56	3.75	3.97	4.19	4.44	4.70	4.99	5.28	
	SUCT PRESS PSIG	10.5	10.6	10.8	11.0	11.2	11.4	11.7	11.9		
-8	CAP. BTUH/1000	22.9	23.0	23.2	23.3	23.4	23.6	23.8	24.0		
	OD UNIT KW	3.38	3.56	3.76	3.97	4.20	4.45	4.71	4.99		
	SUCT PRESS PSIG	8.32	8.47	8.65	8.84	9.04	9.26	9.50			
-13	CAP. BTUH/1000	21.0	21.2	21.3	21.4	21.6	21.8	22.0			
	OD UNIT KW	3.38	3.56	3.76	3.97	4.20	4.45	4.72			

CAPACITIES EXCLUDE THE HEATING CONTRIBUTION OF INDOOR FAN WATTS AND ASSUME

STEADY STATE CONDITIONS WITH CLEAN COIL AND NO FROST.

OUTDOOR POWER EQUALS THE COMPRESSOR POWER PLUS OUTDOOR FAN POWER.

INDOOR COIL INTERNAL VOLUME MUST NOT BE LESS THAN 326 OR GREATER THAN 543 CUBIC IN.

INDOOR FLOW CONTROL MUST BE THERMOSTATIC EXPANSION VALVE

\* OUTDOOR DRY BULB AT 80 PERCENT RELATIVE HUMIDITY

THE TRANE COMPANY, DEALER PRODUCTS GROUP -- TYLER, TEXAS

23-MAR-04

COOLING PERFORMANCE - OUTDOOR UNIT

2TWB0518AA

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	124.	128.	132.	136.	141.	146.	151.	156.
	CAP. BTUH/1000	14.5	16.4	18.3	20.3	22.5	24.8	27.1	29.6
	OD UNIT KW	1.14	1.17	1.19	1.20	1.21	1.21	1.20	1.18
65	HEAD PRESS PSIG	145.	149.	153.	158.	163.	168.	174.	180.
	CAP. BTUH/1000	13.5	15.3	17.1	19.1	21.1	23.3	25.5	27.9
	OD UNIT KW	1.19	1.23	1.27	1.29	1.32	1.33	1.34	1.34
75	HEAD PRESS PSIG	168.	172.	177.	182.	187.	193.	199.	205.
	CAP. BTUH/1000	12.5	14.2	15.9	17.8	19.8	21.8	24.0	26.2
	OD UNIT KW	1.25	1.30	1.35	1.39	1.42	1.45	1.47	1.49
85	HEAD PRESS PSIG	193.	198.	203.	208.	214.	220.	226.	233.
	CAP. BTUH/1000	11.6	13.1	14.8	16.6	18.4	20.4	22.4	24.6
	OD UNIT KW	1.31	1.37	1.43	1.48	1.53	1.57	1.61	1.64
95	HEAD PRESS PSIG	221.	226.	231.	237.	243.	249.	256.	263.
	CAP. BTUH/1000	10.6	12.1	13.7	15.3	17.1	19.0	20.9	22.9
	OD UNIT KW	1.37	1.43	1.50	1.57	1.63	1.69	1.74	1.78
105	HEAD PRESS PSIG	251.	257.	262.	268.	275.	281.	288.	296.
	CAP. BTUH/1000	9.67	11.1	12.5	14.1	15.8	17.5	19.4	21.3
	OD UNIT KW	1.42	1.50	1.58	1.65	1.73	1.79	1.86	1.92
115	HEAD PRESS PSIG	285.	290.	296.	302.	309.	316.	324.	331.
	CAP. BTUH/1000	8.77	10.1	11.5	12.9	14.5	16.2	17.9	19.7
	OD UNIT KW	1.47	1.55	1.64	1.73	1.81	1.90	1.97	2.04

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 20 DEG. SUPERHEAT

## HEATING PERFORMANCE - OUTDOOR UNIT

2TWB0518AA

OD TEMP DEG. F		SATURATED CONDENSING TEMPERATURE DEGREES F.									
		75	80	85	90	95	100	105	110	115	120
	SUCT PRESS PSIG	94.5	95.2	95.9	96.6	97.3	98.0	98.7	99.4		
77	CAP. BTUH/1000	31.3	30.9	30.5	30.1	29.7	29.2	28.8	28.4		
	OD UNIT KW	.961	1.04	1.12	1.20	1.28	1.36	1.45	1.53		
	SUCT PRESS PSIG	86.2	86.9	87.6	88.2	88.9	89.6	90.2	90.9	91.6	92.3
72	CAP. BTUH/1000	28.9	28.5	28.2	27.8	27.4	27.0	26.6	26.2	25.8	25.4
	OD UNIT KW	1.03	1.10	1.17	1.25	1.32	1.40	1.47	1.55	1.63	1.70
	SUCT PRESS PSIG	78.5	79.2	79.8	80.5	81.1	81.7	82.4	83.1	83.7	84.4
67	CAP. BTUH/1000	26.7	26.3	26.0	25.6	25.2	24.9	24.5	24.1	23.7	23.4
	OD UNIT KW	1.08	1.15	1.21	1.28	1.34	1.41	1.48	1.55	1.62	1.69
	SUCT PRESS PSIG	71.5	72.1	72.7	73.3	73.9	74.5	75.2	75.8	76.4	77.0
62	CAP. BTUH/1000	24.5	24.2	23.9	23.5	23.2	22.8	22.5	22.1	21.8	21.4
	OD UNIT KW	1.12	1.18	1.23	1.29	1.35	1.42	1.48	1.54	1.61	1.67
	SUCT PRESS PSIG	65.0	65.5	66.1	66.7	67.3	67.9	68.5	69.0	69.6	70.2
57	CAP. BTUH/1000	22.6	22.2	21.9	21.6	21.3	20.9	20.6	20.3	20.0	19.6
	OD UNIT KW	1.14	1.19	1.24	1.30	1.35	1.41	1.46	1.52	1.58	1.64
	SUCT PRESS PSIG	59.0	59.5	60.1	60.6	61.2	61.7	62.3	62.8	63.4	64.0
52	CAP. BTUH/1000	20.7	20.4	20.1	19.8	19.5	19.2	18.9	18.6	18.2	17.9
	OD UNIT KW	1.15	1.19	1.24	1.29	1.34	1.39	1.44	1.49	1.54	1.59
	SUCT PRESS PSIG	53.5	54.0	54.5	55.0	55.5	56.1	56.6	57.1	57.6	58.1
47	CAP. BTUH/1000	18.9	18.7	18.4	18.1	17.8	17.5	17.2	16.9	16.6	16.3
	OD UNIT KW	1.15	1.19	1.23	1.27	1.32	1.36	1.41	1.46	1.50	1.55
	SUCT PRESS PSIG	48.7	49.2	49.6	50.1	50.6	51.0	51.5	52.0	52.5	53.0
42	CAP. BTUH/1000	17.6	17.3	17.0	16.7	16.5	16.2	15.9	15.6	15.4	15.1
	OD UNIT KW	1.14	1.18	1.21	1.25	1.29	1.33	1.37	1.42	1.46	1.50
	SUCT PRESS PSIG	44.2	44.7	45.1	45.5	45.9	46.4	46.8	47.2	47.7	48.1
37	CAP. BTUH/1000	16.3	16.0	15.7	15.5	15.2	14.9	14.7	14.4	14.1	13.9
	OD UNIT KW	1.12	1.16	1.19	1.23	1.26	1.30	1.33	1.37	1.41	1.44



	SUCT PRESS PSIG	40.4	40.8	41.1	41.5	41.9	42.3	42.7	43.1	43.4	43.8
32	CAP. BTUH/1000	14.8	14.5	14.3	14.0	13.8	13.5	13.3	13.0	12.7	12.5
	OD UNIT KW	1.11	1.14	1.17	1.20	1.23	1.27	1.30	1.33	1.36	1.40
	SUCT PRESS PSIG	36.7	37.1	37.4	37.8	38.1	38.4	38.8	39.1	39.5	39.8
27	CAP. BTUH/1000	13.4	13.1	12.9	12.6	12.4	12.1	11.9	11.7	11.4	11.2
	OD UNIT KW	1.09	1.12	1.15	1.17	1.20	1.23	1.26	1.29	1.32	1.35
	SUCT PRESS PSIG	33.3	33.6	33.8	34.1	34.4	34.7	35.0	35.3	35.6	35.9
22	CAP. BTUH/1000	12.0	11.8	11.6	11.3	11.1	10.9	10.6	10.4	10.2	9.95
	OD UNIT KW	1.07	1.10	1.12	1.15	1.17	1.20	1.22	1.25	1.27	1.30
	SUCT PRESS PSIG	29.9	30.2	30.4	30.7	30.9	31.2	31.4	31.7	32.0	32.2
17	CAP. BTUH/1000	10.8	10.6	10.3	10.1	9.89	9.67	9.46	9.24	9.03	8.82
	OD UNIT KW	1.05	1.07	1.09	1.11	1.13	1.16	1.18	1.20	1.22	1.24
	SUCT PRESS PSIG	26.4	26.6	26.9	27.1	27.3	27.6	27.8	28.0	28.2	28.4
12	CAP. BTUH/1000	9.70	9.49	9.28	9.07	8.87	8.66	8.46	8.27	8.07	7.87
	OD UNIT KW	1.02	1.03	1.05	1.07	1.09	1.11	1.13	1.15	1.17	1.18
	SUCT PRESS PSIG	23.1	23.3	23.5	23.7	23.9	24.1	24.3	24.5	24.7	24.9
7	CAP. BTUH/1000	8.71	8.51	8.31	8.12	7.93	7.74	7.55	7.37	7.19	7.01
	OD UNIT KW	.984	.998	1.01	1.03	1.05	1.06	1.08	1.09	1.11	1.12
	SUCT PRESS PSIG	20.0	20.2	20.4	20.5	20.7	20.9	21.1	21.2	21.4	21.6
2	CAP. BTUH/1000	7.79	7.60	7.42	7.24	7.07	6.90	6.73	6.56	6.40	6.24
	OD UNIT KW	.949	.961	.973	.987	1.00	1.01	1.03	1.04	1.05	1.06
	SUCT PRESS PSIG	17.1	17.2	17.4	17.5	17.7	17.8	18.0	18.1	18.3	18.4
-3	CAP. BTUH/1000	6.96	6.78	6.61	6.45	6.29	6.14	5.99	5.84	5.69	5.55
	OD UNIT KW	.914	.924	.934	.945	.957	.968	.979	.990	.999	1.01
	SUCT PRESS PSIG	14.3	14.4	14.6	14.7	14.8	14.9	15.1	15.2	15.3	15.4
-8	CAP. BTUH/1000	6.20	6.05	5.89	5.75	5.61	5.47	5.34	5.21	5.08	4.96
	OD UNIT KW	.881	.888	.897	.906	.916	.925	.934	.943	.950	.956
	SUCT PRESS PSIG	11.6	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	
-13	CAP. BTUH/1000	5.54	5.40	5.27	5.14	5.01	4.90	4.78	4.67	4.57	
	OD UNIT KW	.849	.855	.862	.870	.878	.886	.893	.900	.905	

CAPACITIES EXCLUDE THE HEATING CONTRIBUTION OF INDOOR FAN WATTS AND ASSUME

STEADY STATE CONDITIONS WITH CLEAN COIL AND NO FROST.

OUTDOOR POWER EQUALS THE COMPRESSOR POWER PLUS OUTDOOR FAN POWER.

INDOOR COIL INTERNAL VOLUME MUST NOT BE LESS THAN 77 OR GREATER THAN 129 CUBIC IN.

INDOOR FLOW CONTROL MUST BE THERMOSTATIC EXPANSION VALVE

\* OUTDOOR DRY BULB AT 80 PERCENT RELATIVE HUMIDITY

THE TRANE COMPANY, DEALER PRODUCTS GROUP -- TYLER, TEXAS

29-MAR-04

COOLING PERFORMANCE - OUTDOOR UNIT

2TWB0524AA

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	128.	132.	136.	140.	145.	150.	155.	161.
	CAP. BTUH/1000	19.7	21.9	24.3	26.8	29.5	32.2	35.0	38.0
	OD UNIT KW	1.50	1.53	1.56	1.58	1.59	1.59	1.58	1.56
65	HEAD PRESS PSIG	149.	153.	158.	162.	168.	173.	178.	184.
	CAP. BTUH/1000	18.4	20.5	22.8	25.3	27.8	30.4	33.1	36.0
	OD UNIT KW	1.58	1.62	1.66	1.70	1.73	1.75	1.76	1.76
75	HEAD PRESS PSIG	172.	177.	182.	187.	192.	198.	204.	210.
	CAP. BTUH/1000	17.1	19.2	21.4	23.7	26.1	28.6	31.3	34.0
	OD UNIT KW	1.66	1.71	1.77	1.82	1.86	1.90	1.93	1.96
85	HEAD PRESS PSIG	198.	203.	208.	214.	219.	226.	232.	239.
	CAP. BTUH/1000	15.8	17.8	19.9	22.1	24.4	26.9	29.4	32.0
	OD UNIT KW	1.73	1.80	1.87	1.94	2.00	2.05	2.10	2.15
95	HEAD PRESS PSIG	226.	231.	237.	243.	249.	256.	263.	270.
	CAP. BTUH/1000	14.6	16.5	18.5	20.6	22.8	25.1	27.5	30.0
	OD UNIT KW	1.80	1.89	1.97	2.05	2.13	2.20	2.27	2.33
105	HEAD PRESS PSIG	257.	262.	268.	275.	281.	288.	296.	304.
	CAP. BTUH/1000	13.4	15.2	17.1	19.1	21.2	23.3	25.6	28.0
	OD UNIT KW	1.87	1.97	2.06	2.16	2.25	2.34	2.43	2.51
115	HEAD PRESS PSIG	290.	296.	303.	309.	316.	324.	332.	340.
	CAP. BTUH/1000	12.2	13.8	15.6	17.5	19.5	21.6	23.8	26.0
	OD UNIT KW	1.92	2.03	2.15	2.26	2.37	2.47	2.58	2.68

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 20 DEG. SUPERHEAT

## HEATING PERFORMANCE - OUTDOOR UNIT

2TWB0524AA

OD TEMP DEG. F		SATURATED CONDENSING TEMPERATURE DEGREES F.									
		75	80	85	90	95	100	105	110	115	120
	SUCT PRESS PSIG	91.9	92.6	93.3	94.0	94.7	95.4	96.1	96.9	97.6	98.3
77	CAP. BTUH/1000	39.6	39.1	38.7	38.2	37.8	37.3	36.9	36.5	36.0	35.5
	OD UNIT KW	1.27	1.37	1.47	1.57	1.67	1.78	1.88	1.99	2.10	2.20
	SUCT PRESS PSIG	83.6	84.3	85.0	85.6	86.3	87.0	87.7	88.4	89.1	89.8
72	CAP. BTUH/1000	36.7	36.3	35.9	35.4	35.0	34.6	34.2	33.8	33.3	32.9
	OD UNIT KW	1.35	1.44	1.53	1.62	1.72	1.81	1.91	2.00	2.10	2.20
	SUCT PRESS PSIG	76.0	76.6	77.3	77.9	78.6	79.2	79.9	80.6	81.2	81.9
67	CAP. BTUH/1000	34.0	33.6	33.2	32.8	32.4	32.0	31.6	31.2	30.8	30.4
	OD UNIT KW	1.41	1.49	1.57	1.66	1.74	1.83	1.91	2.00	2.09	2.18
	SUCT PRESS PSIG	68.9	69.6	70.2	70.8	71.5	72.1	72.7	73.4	74.0	74.6
62	CAP. BTUH/1000	31.4	31.0	30.7	30.3	29.9	29.5	29.2	28.8	28.4	28.0
	OD UNIT KW	1.45	1.52	1.60	1.67	1.75	1.83	1.91	1.98	2.06	2.14
	SUCT PRESS PSIG	62.5	63.1	63.7	64.3	64.9	65.5	66.1	66.7	67.3	67.9
57	CAP. BTUH/1000	29.0	28.6	28.3	27.9	27.6	27.2	26.8	26.5	26.1	25.7
	OD UNIT KW	1.48	1.54	1.61	1.68	1.75	1.81	1.89	1.96	2.03	2.10
	SUCT PRESS PSIG	56.6	57.2	57.8	58.3	58.9	59.5	60.0	60.6	61.2	61.8
52	CAP. BTUH/1000	26.8	26.4	26.1	25.7	25.4	25.0	24.7	24.3	24.0	23.6
	OD UNIT KW	1.49	1.55	1.61	1.67	1.73	1.79	1.86	1.92	1.98	2.05
	SUCT PRESS PSIG	51.3	51.8	52.3	52.8	53.4	53.9	54.4	55.0	55.5	56.1
47	CAP. BTUH/1000	24.6	24.3	24.0	23.6	23.3	23.0	22.6	22.3	22.0	21.6
	OD UNIT KW	1.49	1.54	1.60	1.65	1.71	1.76	1.82	1.88	1.93	1.99
	SUCT PRESS PSIG	46.5	47.0	47.5	48.0	48.5	49.0	49.5	50.0	50.5	51.0
42	CAP. BTUH/1000	23.1	22.7	22.4	22.1	21.8	21.4	21.1	20.8	20.4	20.1
	OD UNIT KW	1.49	1.54	1.59	1.63	1.68	1.74	1.79	1.84	1.89	1.94
	SUCT PRESS PSIG	42.2	42.6	43.0	43.5	43.9	44.4	44.9	45.3	45.8	46.3
37	CAP. BTUH/1000	21.5	21.2	20.9	20.6	20.3	20.0	19.6	19.3	19.0	18.6
	OD UNIT KW	1.48	1.52	1.57	1.61	1.66	1.70	1.75	1.79	1.84	1.88

	SUCT PRESS PSIG	38.7	39.1	39.5	39.9	40.3	40.7	41.1	41.5	41.9	42.4
32	CAP. BTUH/1000	19.7	19.4	19.1	18.8	18.5	18.2	17.9	17.5	17.2	16.9
	OD UNIT KW	1.47	1.51	1.55	1.59	1.63	1.67	1.71	1.75	1.79	1.83
	SUCT PRESS PSIG	35.5	35.8	36.2	36.5	36.9	37.2	37.6	37.9	38.3	38.7
27	CAP. BTUH/1000	17.9	17.6	17.3	17.0	16.7	16.4	16.1	15.8	15.5	15.2
	OD UNIT KW	1.46	1.49	1.53	1.57	1.60	1.64	1.68	1.71	1.75	1.78
	SUCT PRESS PSIG	32.3	32.6	32.9	33.2	33.5	33.8	34.1	34.4	34.8	35.1
22	CAP. BTUH/1000	16.2	15.9	15.6	15.3	15.1	14.8	14.5	14.2	13.9	13.6
	OD UNIT KW	1.44	1.47	1.50	1.54	1.57	1.60	1.63	1.66	1.70	1.72
	SUCT PRESS PSIG	29.2	29.4	29.7	30.0	30.2	30.5	30.8	31.0	31.3	31.6
17	CAP. BTUH/1000	14.6	14.3	14.0	13.8	13.5	13.2	12.9	12.6	12.3	12.0
	OD UNIT KW	1.42	1.44	1.47	1.50	1.53	1.56	1.59	1.61	1.64	1.66
	SUCT PRESS PSIG	25.7	26.0	26.2	26.4	26.7	26.9	27.2	27.4	27.7	27.9
12	CAP. BTUH/1000	13.2	13.0	12.7	12.4	12.2	11.9	11.6	11.4	11.1	10.8
	OD UNIT KW	1.38	1.40	1.42	1.45	1.47	1.50	1.52	1.54	1.56	1.58
	SUCT PRESS PSIG	22.5	22.7	22.9	23.1	23.4	23.6	23.8	24.0	24.2	24.4
7	CAP. BTUH/1000	11.9	11.7	11.4	11.2	10.9	10.7	10.4	10.2	9.90	9.63
	OD UNIT KW	1.33	1.35	1.37	1.39	1.41	1.43	1.45	1.47	1.49	1.50
	SUCT PRESS PSIG	19.4	19.6	19.8	20.0	20.2	20.4	20.6	20.8	21.0	21.2
2	CAP. BTUH/1000	10.7	10.5	10.3	10.0	9.79	9.55	9.31	9.07	8.82	8.56
	OD UNIT KW	1.28	1.30	1.32	1.34	1.35	1.37	1.38	1.40	1.41	1.42
	SUCT PRESS PSIG	16.6	16.7	16.9	17.1	17.2	17.4	17.6	17.8	17.9	18.1
-3	CAP. BTUH/1000	9.60	9.38	9.16	8.95	8.73	8.51	8.29	8.06	7.83	7.59
	OD UNIT KW	1.23	1.25	1.26	1.28	1.29	1.30	1.32	1.33	1.34	1.34
	SUCT PRESS PSIG	13.9	14.0	14.2	14.3	14.4	14.6	14.7	14.9	15.0	15.2
-8	CAP. BTUH/1000	8.57	8.36	8.16	7.96	7.76	7.56	7.36	7.15	6.93	6.71
	OD UNIT KW	1.18	1.19	1.21	1.22	1.23	1.24	1.25	1.26	1.26	1.27
	SUCT PRESS PSIG	11.3	11.4	11.5	11.7	11.8	11.9	12.1	12.2		
-13	CAP. BTUH/1000	7.62	7.43	7.25	7.07	6.89	6.71	6.52	6.33		
	OD UNIT KW	1.13	1.14	1.15	1.16	1.17	1.18	1.18	1.19		

CAPACITIES EXCLUDE THE HEATING CONTRIBUTION OF INDOOR FAN WATTS AND ASSUME

STEADY STATE CONDITIONS WITH CLEAN COIL AND NO FROST.

OUTDOOR POWER EQUALS THE COMPRESSOR POWER PLUS OUTDOOR FAN POWER.

INDOOR COIL INTERNAL VOLUME MUST NOT BE LESS THAN 103 OR GREATER THAN 172 CUBIC IN.

INDOOR FLOW CONTROL MUST BE THERMOSTATIC EXPANSION VALVE

\* OUTDOOR DRY BULB AT 80 PERCENT RELATIVE HUMIDITY

THE TRANE COMPANY, DEALER PRODUCTS GROUP -- TYLER, TEXAS

29-MAR-04

COOLING PERFORMANCE - OUTDOOR UNIT

2TWB0530AA

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	133.	138.	143.	149.	154.	160.	166.	172.
	CAP. BTUH/1000	21.9	24.6	27.4	30.2	33.2	36.2	39.2	42.3
	OD UNIT KW	1.76	1.81	1.84	1.87	1.90	1.91	1.90	1.89
65	HEAD PRESS PSIG	155.	160.	166.	172.	178.	184.	190.	197.
	CAP. BTUH/1000	20.6	23.1	25.8	28.5	31.3	34.2	37.1	40.0
	OD UNIT KW	1.86	1.92	1.98	2.03	2.08	2.11	2.14	2.15
75	HEAD PRESS PSIG	179.	185.	190.	197.	203.	210.	217.	224.
	CAP. BTUH/1000	19.2	21.6	24.1	26.7	29.4	32.1	34.9	37.7
	OD UNIT KW	1.96	2.04	2.12	2.19	2.25	2.31	2.36	2.40
85	HEAD PRESS PSIG	205.	211.	217.	224.	231.	238.	245.	253.
	CAP. BTUH/1000	17.9	20.2	22.5	25.0	27.5	30.1	32.8	35.5
	OD UNIT KW	2.06	2.16	2.25	2.34	2.42	2.50	2.57	2.64
95	HEAD PRESS PSIG	234.	241.	247.	254.	261.	269.	277.	285.
	CAP. BTUH/1000	16.6	18.7	20.9	23.3	25.7	28.1	30.7	33.2
	OD UNIT KW	2.17	2.27	2.38	2.48	2.58	2.68	2.77	2.86
105	HEAD PRESS PSIG	266.	273.	280.	287.	295.	303.	311.	319.
	CAP. BTUH/1000	15.4	17.3	19.4	21.6	23.9	26.2	28.6	31.0
	OD UNIT KW	2.27	2.38	2.50	2.62	2.74	2.85	2.97	3.07
115	HEAD PRESS PSIG	301.	308.	315.	323.	331.	339.	348.	357.
	CAP. BTUH/1000	14.2	16.0	17.9	20.0	22.1	24.3	26.6	28.9
	OD UNIT KW	2.38	2.50	2.63	2.76	2.89	3.02	3.15	3.28

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 20 DEG. SUPERHEAT

## HEATING PERFORMANCE - OUTDOOR UNIT

2TWB0530AA

OD TEMP DEG. F		SATURATED CONDENSING TEMPERATURE DEGREES F.									
		75	80	85	90	95	100	105	110	115	120
	SUCT PRESS PSIG	94.9	95.5	96.2	96.8	97.5	98.1	98.8	99.5		
77	CAP. BTUH/1000	44.8	44.4	44.0	43.5	43.1	42.6	42.1	41.6		
	OD UNIT KW	1.38	1.54	1.70	1.86	2.02	2.18	2.33	2.48		
	SUCT PRESS PSIG	86.3	86.9	87.5	88.2	88.8	89.4	90.1	90.7	91.4	92.1
72	CAP. BTUH/1000	41.8	41.5	41.1	40.6	40.2	39.7	39.3	38.8	38.3	37.8
	OD UNIT KW	1.53	1.67	1.82	1.96	2.10	2.24	2.38	2.52	2.65	2.79
	SUCT PRESS PSIG	78.4	79.0	79.6	80.2	80.8	81.4	82.1	82.7	83.3	83.9
67	CAP. BTUH/1000	39.0	38.6	38.2	37.8	37.4	36.9	36.5	36.0	35.5	35.1
	OD UNIT KW	1.65	1.77	1.90	2.03	2.15	2.28	2.40	2.52	2.65	2.77
	SUCT PRESS PSIG	71.2	71.7	72.3	72.9	73.5	74.0	74.6	75.2	75.8	76.4
62	CAP. BTUH/1000	36.1	35.8	35.4	35.0	34.6	34.2	33.8	33.3	32.9	32.4
	OD UNIT KW	1.73	1.84	1.96	2.07	2.18	2.29	2.40	2.51	2.62	2.73
	SUCT PRESS PSIG	64.6	65.1	65.6	66.2	66.7	67.3	67.8	68.4	69.0	69.5
57	CAP. BTUH/1000	33.4	33.1	32.7	32.4	32.0	31.6	31.2	30.8	30.3	29.9
	OD UNIT KW	1.79	1.89	1.99	2.08	2.18	2.28	2.38	2.48	2.58	2.68
	SUCT PRESS PSIG	58.5	59.0	59.5	60.0	60.5	61.1	61.6	62.1	62.7	63.2
52	CAP. BTUH/1000	30.9	30.5	30.2	29.8	29.5	29.1	28.7	28.3	27.9	27.5
	OD UNIT KW	1.82	1.91	1.99	2.08	2.17	2.26	2.35	2.44	2.53	2.62
	SUCT PRESS PSIG	53.0	53.5	53.9	54.4	54.9	55.4	55.9	56.3	56.8	57.3
47	CAP. BTUH/1000	28.4	28.1	27.8	27.4	27.1	26.7	26.4	26.0	25.6	25.3
	OD UNIT KW	1.83	1.91	1.99	2.07	2.15	2.23	2.31	2.39	2.47	2.55
	SUCT PRESS PSIG	46.7	47.2	47.6	48.0	48.5	49.0	49.4	49.9	50.4	50.9
42	CAP. BTUH/1000	26.2	25.9	25.6	25.3	25.0	24.7	24.3	24.0	23.7	23.4
	OD UNIT KW	1.84	1.91	1.97	2.04	2.11	2.18	2.25	2.33	2.40	2.47
	SUCT PRESS PSIG	41.0	41.4	41.8	42.3	42.7	43.2	43.6	44.0	44.5	44.9
37	CAP. BTUH/1000	24.1	23.8	23.5	23.2	23.0	22.7	22.4	22.1	21.8	21.6
	OD UNIT KW	1.83	1.89	1.94	2.00	2.07	2.13	2.19	2.26	2.33	2.39



	SUCT PRESS PSIG	37.3	37.7	38.1	38.5	38.9	39.3	39.6	40.0	40.4	40.8
32	CAP. BTUH/1000	21.7	21.5	21.2	20.9	20.7	20.4	20.2	19.9	19.7	19.4
	OD UNIT KW	1.81	1.86	1.91	1.97	2.02	2.08	2.14	2.20	2.26	2.33
	SUCT PRESS PSIG	34.1	34.4	34.8	35.1	35.4	35.8	36.1	36.5	36.8	37.1
27	CAP. BTUH/1000	19.5	19.2	19.0	18.7	18.5	18.3	18.0	17.8	17.6	17.4
	OD UNIT KW	1.78	1.83	1.88	1.93	1.98	2.03	2.09	2.14	2.20	2.26
	SUCT PRESS PSIG	31.0	31.3	31.5	31.8	32.1	32.4	32.7	33.0	33.3	33.6
22	CAP. BTUH/1000	17.4	17.1	16.9	16.7	16.5	16.3	16.1	15.9	15.7	15.5
	OD UNIT KW	1.75	1.79	1.84	1.88	1.93	1.98	2.03	2.08	2.14	2.20
	SUCT PRESS PSIG	28.0	28.2	28.5	28.7	28.9	29.2	29.4	29.7	29.9	30.1
17	CAP. BTUH/1000	15.4	15.2	15.0	14.8	14.7	14.5	14.3	14.1	14.0	13.8
	OD UNIT KW	1.72	1.75	1.79	1.83	1.88	1.92	1.97	2.02	2.08	2.13
	SUCT PRESS PSIG	24.7	24.9	25.1	25.3	25.5	25.7	25.9	26.1	26.3	26.5
12	CAP. BTUH/1000	14.0	13.8	13.6	13.5	13.3	13.2	13.0	12.9	12.8	12.7
	OD UNIT KW	1.67	1.70	1.74	1.78	1.82	1.86	1.91	1.96	2.01	2.06
	SUCT PRESS PSIG	21.6	21.8	22.0	22.1	22.3	22.5	22.6	22.8	23.0	23.1
7	CAP. BTUH/1000	12.7	12.5	12.4	12.2	12.1	12.0	11.9	11.8	11.8	11.7
	OD UNIT KW	1.62	1.65	1.69	1.72	1.76	1.80	1.85	1.89	1.94	2.00
	SUCT PRESS PSIG	18.7	18.8	19.0	19.1	19.2	19.4	19.5	19.6	19.7	19.8
2	CAP. BTUH/1000	11.5	11.3	11.2	11.1	11.1	11.0	10.9	10.9	10.9	10.9
	OD UNIT KW	1.57	1.60	1.63	1.67	1.70	1.74	1.79	1.84	1.89	1.94
	SUCT PRESS PSIG	15.9	16.0	16.1	16.2	16.3	16.4	16.4	16.5	16.6	16.6
-3	CAP. BTUH/1000	10.4	10.3	10.2	10.2	10.2	10.1	10.1	10.2	10.2	10.3
	OD UNIT KW	1.52	1.55	1.58	1.61	1.65	1.69	1.74	1.79	1.84	1.89
	SUCT PRESS PSIG	13.2	13.2	13.3	13.4	13.4	13.5	13.5	13.5	13.6	
-8	CAP. BTUH/1000	9.45	9.43	9.41	9.42	9.43	9.47	9.54	9.62	9.74	
	OD UNIT KW	1.48	1.50	1.53	1.57	1.60	1.65	1.69	1.74	1.80	
	SUCT PRESS PSIG	10.6	10.6	10.6	10.6	10.7	10.7	10.6	10.6		
-13	CAP. BTUH/1000	8.69	8.72	8.77	8.83	8.92	9.03	9.17	9.34		
	OD UNIT KW	1.43	1.46	1.49	1.52	1.57	1.61	1.66	1.72		

CAPACITIES EXCLUDE THE HEATING CONTRIBUTION OF INDOOR FAN WATTS AND ASSUME

STEADY STATE CONDITIONS WITH CLEAN COIL AND NO FROST.

OUTDOOR POWER EQUALS THE COMPRESSOR POWER PLUS OUTDOOR FAN POWER.

INDOOR COIL INTERNAL VOLUME MUST NOT BE LESS THAN 92 OR GREATER THAN 154 CUBIC IN.

INDOOR FLOW CONTROL MUST BE THERMOSTATIC EXPANSION VALVE

\* OUTDOOR DRY BULB AT 80 PERCENT RELATIVE HUMIDITY

THE TRANE COMPANY, DEALER PRODUCTS GROUP -- TYLER, TEXAS

29-MAR-04

COOLING PERFORMANCE - OUTDOOR UNIT

2TWB0536AA

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	132.	136.	142.	147.	153.	159.	166.	173.
	CAP. BTUH/1000	28.3	31.7	35.4	39.2	43.2	47.5	51.9	56.5
	OD UNIT KW	1.96	2.05	2.12	2.18	2.23	2.28	2.31	2.33
65	HEAD PRESS PSIG	153.	159.	164.	170.	176.	183.	190.	198.
	CAP. BTUH/1000	26.6	29.9	33.4	37.1	41.0	45.0	49.2	53.6
	OD UNIT KW	2.13	2.23	2.32	2.40	2.47	2.53	2.58	2.63
75	HEAD PRESS PSIG	177.	183.	189.	195.	202.	209.	217.	225.
	CAP. BTUH/1000	24.9	28.1	31.4	34.9	38.6	42.5	46.5	50.7
	OD UNIT KW	2.29	2.40	2.51	2.60	2.69	2.78	2.86	2.93
85	HEAD PRESS PSIG	203.	209.	216.	222.	230.	237.	245.	253.
	CAP. BTUH/1000	23.2	26.2	29.4	32.7	36.2	39.9	43.7	47.6
	OD UNIT KW	2.44	2.57	2.69	2.80	2.91	3.02	3.12	3.22
95	HEAD PRESS PSIG	232.	238.	245.	252.	259.	267.	276.	285.
	CAP. BTUH/1000	21.4	24.3	27.3	30.4	33.8	37.2	40.8	44.5
	OD UNIT KW	2.57	2.72	2.85	2.99	3.12	3.25	3.37	3.49
105	HEAD PRESS PSIG	263.	269.	276.	284.	292.	300.	309.	318.
	CAP. BTUH/1000	19.6	22.3	25.2	28.1	31.2	34.5	37.8	41.3
	OD UNIT KW	2.69	2.84	3.00	3.16	3.31	3.46	3.61	3.76
115	HEAD PRESS PSIG	296.	303.	311.	318.	327.	335.	344.	354.
	CAP. BTUH/1000	17.9	20.4	23.0	25.8	28.7	31.7	34.8	38.0
	OD UNIT KW	2.78	2.95	3.13	3.31	3.48	3.66	3.84	4.01

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 20 DEG. SUPERHEAT

## HEATING PERFORMANCE - OUTDOOR UNIT

2TWB0536AA

OD TEMP DEG. F		SATURATED CONDENSING TEMPERATURE DEGREES F.									
		75	80	85	90	95	100	105	110	115	120
	SUCT PRESS PSIG	93.7	94.3	94.9	95.4	96.1	96.7	97.4	98.0	98.7	99.5
77	CAP. BTUH/1000	61.3	60.8	60.2	59.6	59.0	58.3	57.6	56.9	56.1	55.3
	OD UNIT KW	1.77	1.93	2.10	2.26	2.44	2.61	2.78	2.96	3.14	3.31
	SUCT PRESS PSIG	85.5	86.0	86.5	87.1	87.7	88.3	88.9	89.6	90.3	91.0
72	CAP. BTUH/1000	56.6	56.1	55.6	55.0	54.5	53.8	53.2	52.5	51.7	51.0
	OD UNIT KW	1.88	2.03	2.18	2.34	2.49	2.65	2.81	2.98	3.14	3.30
	SUCT PRESS PSIG	77.8	78.3	78.9	79.4	80.0	80.6	81.2	81.8	82.4	83.1
67	CAP. BTUH/1000	52.2	51.7	51.2	50.7	50.2	49.6	49.0	48.3	47.6	46.9
	OD UNIT KW	1.96	2.10	2.24	2.38	2.53	2.68	2.82	2.97	3.12	3.27
	SUCT PRESS PSIG	70.8	71.3	71.8	72.3	72.8	73.4	73.9	74.5	75.2	75.8
62	CAP. BTUH/1000	48.0	47.6	47.1	46.7	46.2	45.6	45.0	44.4	43.8	43.1
	OD UNIT KW	2.01	2.14	2.27	2.41	2.54	2.68	2.81	2.95	3.09	3.22
	SUCT PRESS PSIG	64.3	64.7	65.2	65.7	66.2	66.8	67.3	67.9	68.4	69.0
57	CAP. BTUH/1000	44.2	43.8	43.3	42.9	42.4	41.9	41.3	40.8	40.2	39.5
	OD UNIT KW	2.04	2.16	2.28	2.41	2.53	2.66	2.79	2.91	3.03	3.16
	SUCT PRESS PSIG	58.3	58.8	59.2	59.7	60.2	60.6	61.2	61.7	62.2	62.8
52	CAP. BTUH/1000	40.5	40.2	39.8	39.3	38.9	38.4	37.9	37.3	36.8	36.1
	OD UNIT KW	2.05	2.16	2.28	2.40	2.51	2.63	2.74	2.86	2.97	3.08
	SUCT PRESS PSIG	52.8	53.3	53.7	54.1	54.6	55.0	55.5	56.0	56.5	57.0
47	CAP. BTUH/1000	37.2	36.8	36.4	36.0	35.6	35.1	34.6	34.1	33.6	33.0
	OD UNIT KW	2.04	2.15	2.26	2.37	2.48	2.58	2.69	2.79	2.89	2.99
	SUCT PRESS PSIG	47.7	48.1	48.5	48.9	49.3	49.7	50.2	50.7	51.1	51.6
42	CAP. BTUH/1000	34.5	34.2	33.8	33.4	33.0	32.5	32.1	31.6	31.0	30.5
	OD UNIT KW	2.03	2.14	2.24	2.34	2.44	2.54	2.64	2.73	2.83	2.91
	SUCT PRESS PSIG	42.9	43.3	43.7	44.1	44.5	44.9	45.3	45.7	46.2	46.6
37	CAP. BTUH/1000	32.0	31.6	31.3	30.9	30.5	30.0	29.6	29.1	28.6	28.1
	OD UNIT KW	2.01	2.11	2.21	2.30	2.40	2.49	2.58	2.67	2.75	2.83

	SUCT PRESS PSIG	38.9	39.3	39.6	40.0	40.4	40.7	41.1	41.5	41.9	42.3
32	CAP. BTUH/1000	28.7	28.4	28.0	27.6	27.3	26.8	26.4	25.9	25.5	24.9
	OD UNIT KW	1.97	2.06	2.16	2.25	2.33	2.42	2.50	2.58	2.65	2.72
	SUCT PRESS PSIG	35.3	35.6	35.9	36.2	36.6	36.9	37.2	37.6	38.0	38.3
27	CAP. BTUH/1000	25.5	25.2	24.9	24.5	24.1	23.7	23.3	22.9	22.4	21.9
	OD UNIT KW	1.92	2.01	2.09	2.18	2.26	2.34	2.41	2.48	2.55	2.61
	SUCT PRESS PSIG	31.8	32.1	32.4	32.7	33.0	33.3	33.6	33.9	34.3	34.6
22	CAP. BTUH/1000	22.6	22.3	22.0	21.6	21.3	20.9	20.5	20.1	19.6	19.2
	OD UNIT KW	1.86	1.94	2.02	2.10	2.18	2.25	2.32	2.38	2.44	2.49
	SUCT PRESS PSIG	28.5	28.8	29.0	29.3	29.6	29.9	30.2	30.5	30.7	31.0
17	CAP. BTUH/1000	19.9	19.6	19.3	19.0	18.6	18.2	17.9	17.5	17.0	16.6
	OD UNIT KW	1.79	1.87	1.95	2.02	2.09	2.16	2.22	2.28	2.33	2.37
	SUCT PRESS PSIG	25.2	25.4	25.7	26.0	26.2	26.5	26.7	27.0	27.3	27.5
12	CAP. BTUH/1000	17.8	17.5	17.2	16.9	16.6	16.2	15.8	15.5	15.0	14.6
	OD UNIT KW	1.71	1.79	1.86	1.94	2.00	2.06	2.12	2.17	2.21	2.24
	SUCT PRESS PSIG	22.1	22.3	22.6	22.8	23.0	23.3	23.5	23.8	24.0	24.2
7	CAP. BTUH/1000	15.8	15.6	15.3	14.9	14.6	14.3	13.9	13.5	13.1	12.7
	OD UNIT KW	1.63	1.70	1.78	1.84	1.90	1.96	2.01	2.05	2.09	2.12
	SUCT PRESS PSIG	19.1	19.4	19.6	19.8	20.0	20.3	20.5	20.7	20.9	21.1
2	CAP. BTUH/1000	14.0	13.7	13.4	13.1	12.8	12.4	12.1	11.7	11.3	10.9
	OD UNIT KW	1.54	1.61	1.68	1.74	1.80	1.85	1.90	1.93	1.96	1.98
	SUCT PRESS PSIG	16.4	16.6	16.8	17.0	17.2	17.4	17.6	17.8	18.0	18.2
-3	CAP. BTUH/1000	12.2	11.9	11.6	11.3	11.0	10.7	10.3	9.96	9.59	9.19
	OD UNIT KW	1.45	1.52	1.58	1.64	1.69	1.74	1.78	1.81	1.84	1.85
	SUCT PRESS PSIG	13.8	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.3	15.5
-8	CAP. BTUH/1000	10.5	10.2	9.92	9.62	9.31	8.99	8.65	8.30	7.93	7.55
	OD UNIT KW	1.35	1.42	1.48	1.54	1.59	1.63	1.66	1.69	1.71	1.72
	SUCT PRESS PSIG	11.3	11.5	11.7	11.9	12.1	12.3	12.5	12.6	12.8	
-13	CAP. BTUH/1000	8.86	8.59	8.30	8.01	7.71	7.39	7.06	6.71	6.35	
	OD UNIT KW	1.24	1.31	1.37	1.43	1.47	1.51	1.55	1.57	1.58	

CAPACITIES EXCLUDE THE HEATING CONTRIBUTION OF INDOOR FAN WATTS AND ASSUME

STEADY STATE CONDITIONS WITH CLEAN COIL AND NO FROST.

OUTDOOR POWER EQUALS THE COMPRESSOR POWER PLUS OUTDOOR FAN POWER.

INDOOR COIL INTERNAL VOLUME MUST NOT BE LESS THAN 120 OR GREATER THAN 200 CUBIC IN.

INDOOR FLOW CONTROL MUST BE THERMOSTATIC EXPANSION VALVE

\* OUTDOOR DRY BULB AT 80 PERCENT RELATIVE HUMIDITY

THE TRANE COMPANY, DEALER PRODUCTS GROUP -- TYLER, TEXAS

29-MAR-04

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TTB510CA00B\_OPC.txt

COOLING PERFORMANCE - OUTDOOR UNIT  
50 HZ - U.S. CUSTOMARY UNITS

TTB510CA-B

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	131.	136.	141.	147.	152.	158.	165.	171.
	CAP. BTUH/1000	9.57	10.8	12.2	13.5	15.0	16.4	18.0	19.5
	OD UNIT KW	.768	.795	.814	.825	.828	.823	.810	.787
65	HEAD PRESS PSIG	151.	156.	161.	167.	173.	180.	186.	193.
	CAP. BTUH/1000	8.60	9.82	11.1	12.4	13.8	15.2	16.6	18.1
	OD UNIT KW	.776	.807	.833	.851	.862	.865	.861	.849
75	HEAD PRESS PSIG	173.	179.	185.	191.	197.	204.	211.	218.
	CAP. BTUH/1000	7.83	8.99	10.2	11.4	12.7	14.1	15.5	16.9
	OD UNIT KW	.799	.836	.867	.892	.910	.922	.927	.924
85	HEAD PRESS PSIG	199.	205.	211.	217.	224.	231.	239.	246.
	CAP. BTUH/1000	7.22	8.30	9.43	10.6	11.8	13.1	14.4	15.8
	OD UNIT KW	.833	.875	.912	.943	.969	.989	1.00	1.01
95	HEAD PRESS PSIG	227.	234.	240.	247.	254.	262.	269.	277.
	CAP. BTUH/1000	6.71	7.72	8.77	9.86	11.0	12.2	13.4	14.7
	OD UNIT KW	.873	.919	.962	1.00	1.03	1.06	1.08	1.10
105	HEAD PRESS PSIG	259.	266.	272.	280.	287.	295.	303.	311.
	CAP. BTUH/1000	6.24	7.16	8.13	9.14	10.2	11.3	12.4	13.6
	OD UNIT KW	.911	.962	1.01	1.05	1.09	1.13	1.16	1.19
115	HEAD PRESS PSIG	293.	300.	307.	314.	322.	330.	338.	347.
	CAP. BTUH/1000	5.72	6.57	7.46	8.39	9.36	10.4	11.4	12.5
	OD UNIT KW	.939	.996	1.05	1.10	1.15	1.19	1.23	1.26

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 15 DEG. SUPERHEAT

THE TRANE COMPANY, DEALER PRODUCTS GROUP -- TYLER, TEXAS

14-MAY-04

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TTB515CA00B\_OPC.txt

COOLING PERFORMANCE - OUTDOOR UNIT  
50 HZ - U.S. CUSTOMARY UNITS

TTB515CA-B

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	131.	136.	141.	147.	152.	159.	165.	171.
	CAP. BTUH/1000	11.0	12.4	13.9	15.5	17.2	18.9	20.7	22.5
	OD UNIT KW	.876	.902	.923	.937	.944	.944	.934	.915
65	HEAD PRESS PSIG	151.	156.	162.	167.	174.	180.	187.	194.
	CAP. BTUH/1000	9.94	11.3	12.8	14.3	15.9	17.5	19.2	21.0
	OD UNIT KW	.884	.918	.948	.971	.989	.999	1.00	.993
75	HEAD PRESS PSIG	173.	179.	185.	191.	198.	205.	212.	219.
	CAP. BTUH/1000	9.07	10.4	11.8	13.2	14.7	16.3	17.9	19.5
	OD UNIT KW	.909	.950	.988	1.02	1.05	1.07	1.08	1.08
85	HEAD PRESS PSIG	199.	205.	211.	218.	224.	232.	239.	247.
	CAP. BTUH/1000	8.35	9.57	10.9	12.2	13.6	15.1	16.6	18.2
	OD UNIT KW	.947	.995	1.04	1.08	1.12	1.14	1.16	1.18
95	HEAD PRESS PSIG	227.	234.	240.	247.	254.	262.	270.	278.
	CAP. BTUH/1000	7.72	8.86	10.1	11.3	12.7	14.0	15.5	16.9
	OD UNIT KW	.994	1.05	1.10	1.15	1.19	1.22	1.25	1.28
105	HEAD PRESS PSIG	259.	265.	272.	279.	287.	295.	303.	311.
	CAP. BTUH/1000	7.16	8.21	9.33	10.5	11.7	13.0	14.3	15.7
	OD UNIT KW	1.04	1.10	1.16	1.21	1.26	1.30	1.34	1.37
115	HEAD PRESS PSIG	294.	300.	307.	315.	322.	330.	339.	347.
	CAP. BTUH/1000	6.60	7.57	8.59	9.68	10.8	12.0	13.2	14.5
	OD UNIT KW	1.09	1.15	1.21	1.27	1.33	1.38	1.42	1.46

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 15 DEG. SUPERHEAT

THE TRANE COMPANY, DEALER PRODUCTS GROUP -- TYLER, TEXAS

14-MAY-04

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## TTB520CA\_OPTable.txt

## COOLING PERFORMANCE - OUTDOOR UNIT

## TTB520CA

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	135.	141.	147.	153.	160.	168.	176.	185.
	CAP. BTUH/1000	13.6	15.3	17.2	19.1	21.2	23.4	25.7	28.1
	OD UNIT KW	1.09	1.14	1.18	1.22	1.26	1.30	1.34	1.37
65	HEAD PRESS PSIG	156.	162.	169.	175.	183.	191.	200.	209.
	CAP. BTUH/1000	12.7	14.3	16.1	17.9	19.9	22.0	24.2	26.5
	OD UNIT KW	1.16	1.21	1.26	1.31	1.35	1.40	1.44	1.48
75	HEAD PRESS PSIG	180.	186.	193.	200.	208.	216.	225.	235.
	CAP. BTUH/1000	11.7	13.3	15.0	16.7	18.6	20.6	22.7	24.8
	OD UNIT KW	1.22	1.28	1.33	1.39	1.44	1.49	1.55	1.60
85	HEAD PRESS PSIG	205.	212.	219.	227.	235.	244.	253.	263.
	CAP. BTUH/1000	10.8	12.3	13.9	15.5	17.3	19.2	21.1	23.2
	OD UNIT KW	1.28	1.34	1.40	1.46	1.53	1.59	1.65	1.71
95	HEAD PRESS PSIG	233.	240.	248.	256.	264.	273.	283.	293.
	CAP. BTUH/1000	9.91	11.3	12.8	14.3	16.0	17.7	19.6	21.5
	OD UNIT KW	1.33	1.40	1.47	1.54	1.61	1.68	1.75	1.82
105	HEAD PRESS PSIG	264.	271.	279.	287.	296.	305.	315.	326.
	CAP. BTUH/1000	9.05	10.3	11.7	13.2	14.7	16.3	18.1	19.8
	OD UNIT KW	1.38	1.46	1.53	1.61	1.69	1.77	1.85	1.93
115	HEAD PRESS PSIG	298.	305.	313.	321.	330.	340.	350.	361.
	CAP. BTUH/1000	8.25	9.44	10.7	12.0	13.5	15.0	16.5	18.2
	OD UNIT KW	1.42	1.51	1.59	1.68	1.77	1.86	1.95	2.04

TTB520CA\_OPTable.txt

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 15 DEG. SUPERHEAT

THE TRANE COMPANY, DEALER PRODUCTS GROUP -- TYLER, TEXAS

18-MAY-04

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COOLING PERFORMANCE - OUTDOOR UNIT  
50 HZ - U.S. CUSTOMARY UNITS

TTB520CA-B

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	136.	141.	147.	153.	159.	166.	173.	181.
	CAP. BTUH/1000	14.3	16.1	18.0	19.9	22.0	24.1	26.3	28.6
	OD UNIT KW	1.10	1.13	1.17	1.20	1.22	1.24	1.26	1.26
65	HEAD PRESS PSIG	157.	163.	169.	175.	182.	189.	197.	206.
	CAP. BTUH/1000	13.3	15.0	16.8	18.7	20.6	22.7	24.8	27.0
	OD UNIT KW	1.15	1.20	1.24	1.28	1.32	1.35	1.38	1.40
75	HEAD PRESS PSIG	181.	187.	193.	200.	207.	215.	223.	232.
	CAP. BTUH/1000	12.4	14.0	15.7	17.4	19.3	21.2	23.3	25.3
	OD UNIT KW	1.20	1.26	1.31	1.37	1.41	1.46	1.50	1.54
85	HEAD PRESS PSIG	206.	213.	220.	227.	235.	243.	252.	261.
	CAP. BTUH/1000	11.4	12.9	14.5	16.2	18.0	19.8	21.7	23.7
	OD UNIT KW	1.26	1.32	1.39	1.45	1.51	1.57	1.62	1.67
95	HEAD PRESS PSIG	235.	242.	249.	257.	265.	274.	283.	293.
	CAP. BTUH/1000	10.5	11.9	13.4	15.0	16.7	18.4	20.2	22.1
	OD UNIT KW	1.31	1.38	1.45	1.53	1.60	1.67	1.73	1.79
105	HEAD PRESS PSIG	266.	273.	281.	289.	298.	307.	317.	327.
	CAP. BTUH/1000	9.56	10.9	12.3	13.8	15.4	17.0	18.8	20.6

TTB520CA\_OPTable.txt

	OD UNIT KW	1.35	1.44	1.52	1.60	1.68	1.76	1.84	1.91
	HEAD PRESS PSIG	300.	307.	315.	324.	333.	343.	353.	363.
115	CAP. BTUH/1000	8.67	9.91	11.2	12.7	14.1	15.7	17.3	19.0
	OD UNIT KW	1.39	1.48	1.58	1.67	1.76	1.85	1.94	2.02

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 15 DEG. SUPERHEAT

THE TRANE COMPANY, DEALER PRODUCTS GROUP -- TYLER, TEXAS

18-MAY-04

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## 2TTB0524AA\_OPTable.txt

COOLING PERFORMANCE - OUTDOOR UNIT  
50 HZ - U.S. CUSTOMARY UNITS

## 2TTB0524AA

OD TEMP DEG. F		SATURATED SUCTION TEMPERATURE DEGREES F.							
		20	25	30	35	40	45	50	55
55	HEAD PRESS PSIG	136.	141.	146.	152.	158.	164.	170.	177.
	CAP. BTUH/1000	20.2	22.5	25.0	27.5	30.1	32.9	35.7	38.7
	OD UNIT KW	1.50	1.54	1.58	1.61	1.63	1.65	1.66	1.67
65	HEAD PRESS PSIG	158.	163.	168.	174.	181.	188.	195.	202.
	CAP. BTUH/1000	18.9	21.1	23.4	25.9	28.4	31.0	33.8	36.6
	OD UNIT KW	1.57	1.63	1.68	1.73	1.77	1.80	1.84	1.86
75	HEAD PRESS PSIG	181.	187.	193.	200.	206.	214.	221.	229.
	CAP. BTUH/1000	17.6	19.7	21.9	24.3	26.7	29.2	31.8	34.5
	OD UNIT KW	1.65	1.72	1.78	1.84	1.90	1.96	2.01	2.05
85	HEAD PRESS PSIG	207.	214.	220.	227.	234.	242.	250.	259.
	CAP. BTUH/1000	16.3	18.3	20.4	22.7	25.0	27.4	29.9	32.5
	OD UNIT KW	1.72	1.80	1.88	1.96	2.03	2.10	2.17	2.24
95	HEAD PRESS PSIG	236.	243.	250.	257.	265.	273.	282.	291.
	CAP. BTUH/1000	15.0	16.9	19.0	21.1	23.3	25.6	28.0	30.5
	OD UNIT KW	1.79	1.88	1.98	2.07	2.16	2.25	2.33	2.41
105	HEAD PRESS PSIG	267.	274.	282.	289.	298.	306.	316.	325.
	CAP. BTUH/1000	13.8	15.6	17.5	19.5	21.6	23.8	26.1	28.4
	OD UNIT KW	1.85	1.96	2.06	2.17	2.27	2.38	2.48	2.58
115	HEAD PRESS PSIG	301.	308.	316.	324.	333.	342.	352.	362.
	CAP. BTUH/1000	12.5	14.2	16.0	17.9	19.9	22.0	24.2	26.4
	OD UNIT KW	1.90	2.02	2.14	2.26	2.38	2.50	2.62	2.74

2TTB0524AA\_OPTable.txt

PERFORMANCE DATA CALCULATED AT 15 DEG. SUBCOOLING AND 15 DEG. SUPERHEAT

THE TRANE COMPANY, DEALER PRODUCTS GROUP -- TYLER, TEXAS  
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