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ADP

HYDRONIC SLANT COIL A/H SPECIFICATIONS
2 PIPE SYSTEM APPLICATION

BCRW 2024

March 2003

COOLING CAPACITY

Total Cap. (Btu/h)	20,725	22,923	27,313	28,290	32,421	26,139	32,421	37,762	41,110
Air Flow (CFM)	**600**	**800**	**800**	**800**	**800**	**800**	**800**	**800**	**800**
Ent. Fluid Temp.(F)	**45**	**45**	**45**	**45**	**45**	**40**	**40**	**40**	**40**
Fluid Flow (GPM)	**2.2**	**2**	**2.8**	**3**	**4**	**2**	**3**	**4**	**5**
Fin Height	20	20	20	20	20	20	20	20	20
Fin Length	17	17	17	17	17	17	17	17	17
Entering Air DB (F)	80	80	80	80	80	80	80	80	80
Entering Air WB (F)	67	67	67	67	67	67	67	67	67
Leaving Air DB (F)	56.3	59.4	56.7	56.2	54.1	57.8	54.3	51.5	49.7
Leaving Air WB (F)	55.9	58.0	56.0	55.6	53.7	56.6	53.7	51.1	49.5
Sensible Cap.(Btu/h)	15658	18172	20508	20969	22841	19578	22707	25152	26698
Fluid Type	Water	Water	Water	Water	Water	Water	Water	Water	Water
Percent Glycol	0	0	0	0	0	0	0	0	0
Exit Fluid Temp. (F)	63.8	67.9	64.5	63.9	61.2	66.1	61.5	58.8	56.4
Fluid Press. Drop (FT-H2O)	5.6	4.5	8.8	9.9	16.8	4.5	10.1	17.1	25.8
Air Press. Drop (in/H2O)	0.19	0.28	0.30	0.30	0.31	0.30	0.33	0.34	0.36

HEATING CAPACITY

Total Cap. (Btu/h)	34,409	40,043	55,070	60,497	63,122	18,401	23,285	39,515	48,731	63,489	72,332	76,910
Air Flow (CFM)	**600**	**600**	**600**	**600**	**600**	**800**	**800**	**800**	**800**	**800**	**800**	**800**
Ent. Fluid Temp.(F)	**140**	**140**	**180**	**180**	**180**	**100**	**100**	**140**	**140**	**180**	**180**	**180**
Fluid Flow (GPM)	**2**	**4**	**2**	**3**	**4**	**2**	**5**	**2**	**4**	**2**	**3**	**4**
Fin Height	20	20	20	20	20	20	20	20	20	20	20	20
Fin Length	17	17	17	17	17	17	17	17	17	17	17	17
Entering Air DB (F)	70	70	70	70	70	70	70	70	70	70	70	70
Entering Air WB (F)	56	56	56	56	56	56	56	56	56	56	56	56
Leaving Air DB (F)	122.5	131.1	154.0	162.3	166.3	91.1	96.6	115.2	125.7	142.6	152.7	158.0
Leaving Air WB (F)	72.7	74.9	80.3	82.2	83.1	63.4	65.2	70.7	73.6	77.7	80.1	81.2
Sensible Cap.(Btu/h)	34409	40043	55070	60497	63122	18401	23285	39515	48731	63489	72332	76910
Fluid Type	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Percent Glycol	0	0	0	0	0	0	0	0	0	0	0	0
Exit Fluid Temp. (F)	105.2	119.7	123.9	138.8	147.7	81.5	90.6	100.0	115.3	115.4	130.8	140.7
Fluid Press. Drop (FT-H2O)	1.3	4.7	1.3	2.6	4.5	4.4	23.1	1.3	4.7	1.3	2.7	4.5
Air Press. Drop (in/H2O)	0.12	0.12	0.12	0.12	0.12	0.25	0.25	0.19	0.19	0.19	0.19	0.19

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2 PIPE SYSTEM APPLICATION

BCRW 3036

March 2003

COOLING CAPACITY

Total Cap. (Btu/h)	18,977	19,831	20,368	30,232	34,937	38,947	42,194	44,252	45,961	28,886	39,843	53,119
Air Flow (CFM)	**1200**	**1200**	**1200**	**1200**	**1200**	**1200**	**1200**	**1200**	**1200**	**1200**	**1200**	**1200**
Ent. Fluid Temp.(F)	**60**	**60**	**60**	**45**	**45**	**45**	**45**	**45**	**45**	**40**	**40**	**40**
Fluid Flow (GPM)	**5**	**6**	**7**	**3**	**4**	**5**	**6**	**7**	**8**	**2**	**4**	**6**
Fin Height	24	24	24	24	24	24	24	24	24	24	24	24
Fin Length	17	17	17	17	17	17	17	17	17	17	17	17
Entering Air DB (F)	80	80	80	80	80	80	80	80	80	80	80	80
Entering Air WB (F)	67	67	67	67	67	67	67	67	67	67	67	67
Leaving Air DB (F)	65.4	64.8	64.3	61.6	59.6	58.1	57.0	56.2	55.6	63.1	58.0	52.8
Leaving Air WB (F)	62.2	61.9	61.8	59.1	57.8	56.6	55.7	55.1	54.5	59.5	56.4	52.3
Sensible Cap.(Btu/h)	18977	19831	20368	24318	26978	28961	30486	31458	32251	22362	29048	35950
Fluid Type	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Percent Glycol	0	0	0	0	0	0	0	0	0	0	0	0
Exit Fluid Temp. (F)	67.6	66.6	65.8	65.1	62.4	60.5	59.0	57.6	56.5	68.8	59.9	57.6
Fluid Press. Drop (FT-H2O)	9.7	13.5	17.9	3.7	6.6	9.9	13.9	18.4	23.5	1.4	6.7	14.0
Air Press. Drop (in/H2O)	0.26	0.26	0.26	0.28	0.29	0.30	0.31	0.31	0.32	0.28	0.31	0.49

HEATING CAPACITY

Total Cap. (Btu/h)	44,998	60,282	35,948	72,151	95,121	20,326	31,271	47,762	70,660	36,922	76,649	111,512
Air Flow (CFM)	**1000**	**1000**	**1000**	**1000**	**1000**	**1200**	**1200**	**1200**	**1200**	**1200**	**1200**	**1200**
Ent. Fluid Temp.(F)	**140**	**140**	**160**	**180**	**180**	**100**	**100**	**140**	**140**	**160**	**180**	**180**
Fluid Flow (GPM)	**2**	**4**	**1**	**2**	**4**	**2**	**5**	**2**	**5**	**1**	**2**	**5**
Fin Height	24	24	24	24	24	24	24	24	24	24	24	24
Fin Length	17	17	17	17	17	17	17	17	17	17	17	17
Entering Air DB (F)	70	70	70	70	70	70	70	70	70	70	70	70
Entering Air WB (F)	56	56	56	56	56	56	56	56	56	56	56	56
Leaving Air DB (F)	111.2	125.2	102.9	136.0	157.1	89.5	93.8	106.4	123.9	98.2	128.5	155.0
Leaving Air WB (F)	69.6	73.4	67.2	76.1	81.0	61.5	64.3	68.2	73.1	65.7	74.2	80.6
Sensible Cap.(Btu/h)	44998	60282	35948	72151	95121	20326	31271	47762	70660	36922	76649	111512
Fluid Type	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Percent Glycol	0	0	0	0	0	0	0	0	0	0	0	0
Exit Fluid Temp. (F)	94.5	109.5	87.2	106.6	131.5	79.6	87.4	91.7	111.4	85.3	102.1	134.5
Fluid Press. Drop (FT-H2O)	1.6	5.6	0.4	1.5	5.3	1.7	9.0	1.6	8.4	0.4	1.5	7.9
Air Press. Drop (in/H2O)	0.20	0.20	0.20	0.20	0.21	0.35	0.35	0.27	0.27	0.26	0.27	0.28

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2 PIPE SYSTEM APPLICATION

BCRW 6060

March 2003

COOLING CAPACITY

Total Cap. (Btu/h)	60,978	66,098	70,672	32,574	35,375	37,553	68,318	74,514	79,684
Air Flow (CFM)	1600	1600	1600	2000	2000	2000	2000	2000	2000
Ent. Fluid Temp.(F)	45	45	45	60	60	60	45	45	45
Fluid Flow (GPM)	5	6	7	5	6	7	5	6	7
Fin Height	48	48	48	48	48	48	48	48	48
Fin Length	42	42	42	42	42	42	42	42	42
Entering Air DB (F)	80	80	80	80	80	80	80	80	80
Entering Air WB (F)	67	67	67	67	67	67	67	67	67
Leaving Air DB (F)	54.8	53.5	52.4	65.0	63.7	62.7	56.7	55.2	54.1
Leaving Air WB (F)	54.6	53.4	52.3	62.0	61.6	61.2	56.0	54.9	54.0
Sensible Cap.(Btu/h)	44533	46802	48772	32574	35375	37553	51393	54684	57104
Fluid Type	Water	Water	Water	Water	Water	Water	Water	Water	Water
Percent Glycol	0	0	0	0	0	0	0	0	0
Exit Fluid Temp. (F)	69.3	67.0	56.1	73	71.8	70.7	72.3	69.8	67.7
Fluid Press. Drop (FT-H2O)	3.0	4.6	6.3	4.4	6.7	8.8	3.0	4.6	6.3
Air Press. Drop (in/H2O)	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.08

HEATING CAPACITY

Total Cap. (Btu/h)	81,679	103,870	112,354	129,484	163,416	176,695	86,941	118,272	132,519	137,801	186,153	208,544
Air Flow (CFM)	1600	1600	1600	1600	1600	1600	2000	2000	2000	2000	2000	2000
Ent. Fluid Temp.(F)	140	140	140	180	180	180	140	140	140	180	180	180
Fluid Flow (GPM)	3	5	7	3	5	7	3	5	7	3	5	7
Fin Height	48	48	48	48	48	48	48	48	48	48	48	48
Fin Length	42	42	42	42	42	42	42	42	42	42	42	42
Entering Air DB (F)	70	70	70	70	70	70	70	70	70	70	70	70
Entering Air WB (F)	56	56	56	56	56	56	56	56	56	56	56	56
Leaving Air DB (F)	116.7	129.4	134.3	144.1	163.5	171.1	109.8	124.1	130.6	133.1	155.2	165.4
Leaving Air WB (F)	71.1	74.5	75.7	78.1	82.4	84.1	69.2	73.1	74.8	75.4	80.6	82.9
Sensible Cap.(Btu/h)	81679	103870	112354	129484	163416	176695	86941	118272	132519	137801	186153	208544
Fluid Type	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Percent Glycol	0	0	0	0	0	0	0	0	0	0	0	0
Exit Fluid Temp. (F)	85.0	98.0	107.5	92.4	113.5	128.5	81.5	92.2	101.7	86.8	104.3	119.3
Fluid Press. Drop (FT-H2O)	1.1	2.9	5.3	1.1	2.8	5.1	1.1	2.9	5.4	1.1	2.8	5.1
Air Press. Drop (in/H2O)	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.07	0.07	0.07	0.07	0.07