PERFORMANCE DATA

FDU Booster & Terminal - Heating Water Coil Data

Size 10 & 20

Rows	Coil GPM	WPD (ft. w.g) Loss	Capacity (MBH)	Airflow Rate (CFM)			
				150	300	450	600
1 Row Multi Circuit	1	0.62	Total	8.6	11.8	13.8	15.5
	2	2.16	Total	9.6	13.9	16.8	18.9
	4	7.62	Total	10.3	15.4	19.0	21.7
	6	16.02	Total	10.4	15.7	19.4	22.2
APD, ΔPs (in. w.g)				0.015	0.045	0.088	0.141
2 Row Multi Circuit	1	0.16	Total	13.1	19.2	22.8	25.2
	2	0.55	Total	14.4	22.7	28.3	32.4
	4	1.92	Total	15.0	24.7	31.7	37.1
	6	4.02	Total	15.3	25.5	33.1	39.1
APD, ΔPs (in. w.g)				0.032	0.100	0..194	0.311

Size 30 & 50

Rows	Coil GPM	WPD (ft. w.g) Loss	Capacity (MBH)	Airflow Rate (CFM)			
				200	500	800	1100
1 Row Multi Circuit	1	0.11	Total	10.6	15.5	17.9	19.4
	2	0.39	Total	12.3	19.5	23.5	26.2
	4	1.37	Total	13.4	22.2	27.5	31.3
	6	2.87	Total	13.8	23.4	29.4	33.7
APD, ΔPs (in. w.g)				0.014	0.065	0.141	0.238
2 Row Multi Circuit	1	0.21	Total	16.2	24.9	28.9	31.2
	2	0.71	Total	18.5	31.9	39.3	44.0
	4	2.48	Total	19.7	36.5	46.9	54.2
	6	5.18	Total	20.1	38.4	50.3	58.9
APD, ΔPs (in. w.g)				0.032	0.143	0.309	0.522

Size 40

Rows	Coil GPM	WPD (ft. w.g) Loss	Capacity (MBH)	Airflow Rate (CFM)			
				300	750	1200	1650
1 Row Multi Circuit	1	0.14	Total	13.4	18.5	20.8	22.2
	2	0.47	Total	16.3	24.5	28.8	31.5
	4	1.64	Total	18.2	29.0	35.2	39.4
	6	3.44	Total	18.9	31.1	38.3	43.4
APD, ΔPs (in. w.g)				0.019	0.087	0.189	0.321
2 Row Multi Circuit	1	0.09	Total	20.9	29.5	33.0	34.9
	2	0.32	Total	25.2	40.6	48.1	52.8
	4	1.13	Total	27.7	48.9	61.0	69.2
	6	2.35	Total	28.5	52.0	66.3	76.3
APD, ΔPs (in. w.g)				0.043	0.192	0.415	0.703

Correction Factors - FDU Hot Water Coils

EAT (°F)	EWT (°F)								
	130	140	150	160	170	180	190	200	210
60	0.65	0.74	0.83	0.91	0.99	1.08	1.17	1.24	1.33
65	0.61	0.69	0.78	0.87	0.95	1.04	1.12	1.20	1.29
70	0.56	0.65	0.74	0.83	0.91	1.00	1.08	1.16	1.25
75	0.52	0.61	0.70	0.79	0.87	0.96	1.04	1.12	1.21
80	0.48	0.57	0.65	0.70	0.83	0.92	1.00	1.08	1.17

Performance Notes:

1. Tabulated values are in MBH (thousands of BTU/h) and using an arbitry circuit option. Other circuit options are available.
2. Tables are based on 180°F EWT & 70°F EAT for heating, and 80°F DB / 67°F WB EAT & 45°F EWT for cooling.
3. Multiply MBH values by correction factors listed for other temperature difference conditions.
4. Minimum flows are based on ASHRAE recommendation for coil selection. For further selections please contact your local Price representative.
5. Water pressure drop (WPD) or head loss is in feet of water.
6. Air pressure drop (APD) is the pressure drop in inches of water across the coil.
7. See fan curves for fan capacity with coils.
8. Air temperature rise = ATR (°F) = 927 x MBH/CFM
9. Water temperature drop = WTD (°F) = 2.04 x MBH/GPM
10. Values in tables are listed for 0 ft. of altitude and no glycol in the system.
11. For information outside the ranges in these tables, consult the current Price software of your local Price representative for accurate information.
12. Connections: 7/8 in. OD male solder.
13. Coils used have been performance rated and certified in accordance with the current edition of AHRI Standard 410

PERFORMANCE DATA

FDU Booster & Terminal - Cooling Water Coil Data

Size 10

Rows	Coil GPM	WPD (ft. w.g) Loss	Capacity (MBH)	Airflow Rate (CFM)			
				50	100	200	300
1 Row Multi Circuit	1	0.58	Total	1.5	2.0	2.4	2.7
			Sensible	0.9	1.3	2.0	2.7
	2	1.98	Total	1.7	2.5	3.2	3.7
			Sensible	1.0	1.5	2.3	3.0
	4	6.86	Total	1.9	3.0	4.2	4.9
			Sensible	1.1	1.7	2.7	3.5
APD, ΔPs (in. w.g)				0.004	0.014	0.043	0.080
2 Row Multi Circuit	1	1.46	Total	2.2	3.2	4.1	4.7
			Sensible	1.3	2.1	3.3	4.3
	2	4.94	Total	2.5	3.9	5.5	6.3
			Sensible	1.4	2.4	3.8	5.1
	4	16.99	Total	2.6	4.5	6.9	8.4
			Sensible	1.5	2.7	4.5	5.9
APD, ΔPs (in. w.g)				0.099	0.030	0.092	0.180
3 Row Multi Circuit	1	0.26	Total	2.5	3.7	4.9	5.6
			Sensible	1.5	2.4	3.9	5.1
	2	0.87	Total	2.7	4.5	6.4	7.5
			Sensible	1.6	2.8	4.5	5.9
	4	2.96	Total	2.8	5.0	7.8	9.6
			Sensible	1.7	3.0	5.1	6.8
APD, ΔPs (in. w.g)				0.014	0.044	0.139	0.267
4 Row Multi Circuit	1	0.34	Total	2.7	4.2	5.8	6.7
			Sensible	1.6	2.7	4.4	5.7
	2	1.12	Total	2.8	5.0	7.4	8.9
			Sensible	1.7	3.1	5.1	6.7
	4	3.81	Total	2.9	5.4	9.0	11.2
			Sensible	1.7	3.3	5.8	7.7
APD, ΔPs (in. w.g)				0.018	0.058	0.183	0.361
6 Row Multi Circuit	1	0.48	Total	2.8	4.9	7.0	8.2
			Sensible	1.7	3.0	5.0	6.6
	2	1.61	Total	2.9	5.5	8.9	10.9
			Sensible	1.8	3.4	5.8	7.8
	4	5.47	Total	2.9	5.7	10.3	13.5
			Sensible	1.8	3.5	6.5	8.9
APD, ΔPs (in. w.g)				0.028	0.088	0.277	0.540

Performance Notes:

1. Tabulated values are in MBH (thousands of BTU/h) and using an arbitry circuit option. Other circuit options are available.
2. Tables are based on 180°F EWT & 70°F EAT for heating, and 80°F DB / 67°F WB EAT & 45°F EWT for cooling.
3. Multiply MBH values by correction factors listed for other temperature difference conditions.
4. Minimum flows are based on ASHRAE recommendation for coil selection. For further selections please contact your local Price representative.
5. Water pressure drop (WPD) or head loss is in feet of water.
6. Air pressure drop (APD) is the pressure drop in inches of water across the coil.
7. See fan curves for fan capacity with coils.
8. Air temperature rise = ATR (°F) = 927 x MBH/CFM
9. Water temperature drop = WTD (°F) = 2.04 x MBH/GPM
10. Values in tables are listed for 0 ft. of altitude and no glycol in the system.
11. For information outside the ranges in these tables, consult the current Price software of your local Price representative for accurate information.
12. Connections: 7/8 in. OD male solder.
13. Coils used have been performance rated and certified in accordance with the current edition of AHRI Standard 410

PERFORMANCE DATA

FDU Booster & Terminal - Cooling Water Coil Data

Size 20

Rows	Coil GPM	WPD (ft. w.g) Loss	Capacity (MBH)	Airflow Rate (CFM)			
				100	200	300	400
1 Row Multi Circuit	1	1.03	Total	2.3	2.9	3.2	3.5
			Sensible	1.4	2.2	3.1	3.4
	2	3.49	Total	2.9	3.9	4.5	4.8
			Sensible	1.7	2.6	3.3	3.9
	4	12.03	Total	3.5	5.0	6.0	6.7
			Sensible	1.9	3.0	3.9	4.6
APD, ΔPs (in. w.g)				0.007	0.022	0.041	0.066
2 Row Multi Circuit	1	0.26	Total	3.5	4.5	5.1	5.6
			Sensible	2.1	3.4	4.4	5.5
	2	0.88	Total	4.2	6.0	6.7	7.5
			Sensible	2.5	4.0	5.3	6.3
	4	2.99	Total	4.8	7.4	9.0	10.0
			Sensible	2.8	4.6	6.0	7.2
APD, ΔPs (in. w.g)				0.015	0.058	0.092	0.148
3 Row Multi Circuit	1	0.8	Total	4.2	5.7	6.6	7.3
			Sensible	2.6	4.1	5.5	6.5
	2	1.26	Total	5.0	7.5	8.8	9.9
			Sensible	2.9	4.8	6.4	7.7
	4	4.29	Total	5.4	9.0	11.4	13.0
			Sensible	3.2	5.5	7.4	9.0
APD, ΔPs (in. w.g)				0.023	0.071	0.136	0.220
4 Row Multi Circuit	1	0.49	Total	4.7	6.6	7.7	8.5
			Sensible	2.8	4.6	6.0	7.4
	2	1.64	Total	5.4	8.5	10.4	11.6
			Sensible	3.2	5.4	7.1	8.8
	4	5.57	Total	5.7	10.1	13.1	15.1
			Sensible	3.4	6.1	8.3	10.2
APD, ΔPs (in. w.g)				0.030	0.094	0.184	0.292
6 Row Multi Circuit	1	0.71	Total	5.3	7.9	9.3	10.2
			Sensible	3.2	5.1	6.8	8.3
	2	2.38	Total	5.8	9.9	12.4	14.2
			Sensible	3.4	6.1	8.2	10.0
	4	8.06	Total	5.9	11.2	15.2	18.1
			Sensible	3.5	6.7	9.4	11.7
APD, ΔPs (in. w.g)				0.045	0.141	0.285	0.440

Performance Notes:

1. Tabulated values are in MBH (thousands of BTU/h) and using an arbitry circuit option. Other circuit options are available.
2. Tables are based on 180°F EWT & 70°F EAT for heating, and 80°F DB / 67°F WB EAT & 45°F EWT for cooling.
3. Multiply MBH values by correction factors listed for other temperature difference conditions.
4. Minimum flows are based on ASHRAE recommendation for coil selection. For further selections please contact your local Price representative.
5. Water pressure drop (WPD) or head loss is in feet of water.
6. Air pressure drop (APD) is the pressure drop in inches of water across the coil.
7. See fan curves for fan capacity with coils.
8. Air temperature rise = ATR (°F) = 927 x MBH/CFM
9. Water temperature drop = WTD (°F) = 2.04 x MBH/GPM
10. Values in tables are listed for 0 ft. of altitude and no glycol in the system.
11. For information outside the ranges in these tables, consult the current Price software of your local Price representative for accurate information.
12. Connections: 7/8 in. OD male solder.
13. Coils used have been performance rated and certified in accordance with the current edition of AHRI Standard 410

PERFORMANCE DATA

FDU Booster & Terminal - Cooling Water Coil Data

Size 30

Rows	Coil GPM	WPD (ft. w.g) Loss	Capacity (MBH)	Airflow Rate (CFM)			
				200	300	400	500
1 Row Multi Circuit	1	0.18	Total	2.9	3.2	3.6	3.9
			Sensible	2.2	3.2	3.6	3.9
	3	1.27	Total	4.5	5.3	5.7	6.1
			Sensible	2.8	3.6	4.3	5.0
	6	4.36	Total	5.6	6.8	7.7	8.3
			Sensible	3.3	4.3	5.1	5.8
APD, ΔPs (in. w.g)				0.014	0.025	0.041	0.059
2 Row Multi Circuit	1	0.34	Total	4.8	5.5	6.1	6.5
			Sensible	3.6	4.6	6.1	6.5
	3	2.34	Total	7.3	8.8	9.8	10.3
			Sensible	4.5	5.9	7.2	8.4
	6	8.00	Total	8.7	11.1	12.9	14.3
			Sensible	5.2	6.9	8.4	9.8
APD, ΔPs (in. w.g)				0.029	0.057	0.090	0.129
3 Row Multi Circuit	1	0.16	Total	5.8	6.7	7.4	8.0
			Sensible	4.1	5.5	6.6	8.0
	3	1.23	Total	8.7	10.7	12.0	13.1
			Sensible	5.4	7.1	8.6	10.0
	6	4.16	Total	9.9	13.0	15.2	17.0
			Sensible	5.9	8.1	10.0	11.6
APD, ΔPs (in. w.g)				0.044	0.084	0.136	0.196
4 Row Multi Circuit	1	0.2	Total	6.7	7.8	8.6	9.3
			Sensible	4.6	6.0	7.5	8.5
	3	1.56	Total	9.7	12.3	14.1	15.5
			Sensible	5.9	8.0	9.7	11.3
	6	5.3	Total	10.7	14.6	17.5	19.7
			Sensible	6.5	9.0	11.2	13.2
APD, ΔPs (in. w.g)				0.058	0.114	0.181	0.263
6 Row Multi Circuit	1	0.29	Total	7.9	9.4	10.4	11.1
			Sensible	5.1	6.8	8.3	9.9
	3	2.22	Total	10.8	14.4	16.9	18.8
			Sensible	6.6	9.0	11.1	13.0
	6	7.51	Total	11.4	16.3	20.2	23.4
			Sensible	6.9	10.0	12.7	15.1
APD, ΔPs (in. w.g)				0.087	0.171	0.273	0.394

Performance Notes:

1. Tabulated values are in MBH (thousands of BTU/h) and using an arbitry circuit option. Other circuit options are available.
2. Tables are based on 180°F EWT & 70°F EAT for heating, and 80°F DB / 67°F WB EAT & 45°F EWT for cooling.
3. Multiply MBH values by correction factors listed for other temperature difference conditions.
4. Minimum flows are based on ASHRAE recommendation for coil selection. For further selections please contact your local Price representative.
5. Water pressure drop (WPD) or head loss is in feet of water.
6. Air pressure drop (APD) is the pressure drop in inches of water across the coil.
7. See fan curves for fan capacity with coils.
8. Air temperature rise = ATR (°F) = 927 x MBH/CFM
9. Water temperature drop = WTD (°F) = 2.04 x MBH/GPM
10. Values in tables are listed for 0 ft. of altitude and no glycol in the system.
11. For information outside the ranges in these tables, consult the current Price software of your local Price representative for accurate information.
12. Connections: 7/8 in. OD male solder.
13. Coils used have been performance rated and certified in accordance with the current edition of AHRI Standard 410

PERFORMANCE DATA

FDU Booster & Terminal - Cooling Water Coil Data

Size 40

Rows	Coil GPM	WPD (ft. w.g) Loss	Capacity (MBH)	Airflow Rate (CFM)			
				300	400	500	600
1 Row Multi Circuit	1	0.22	Total	3.5	3.9	4.3	4.5
			Sensible	3.4	3.8	4.2	4.4
	3	1.54	Total	5.9	6.4	6.9	7.2
			Sensible	3.8	4.6	5.3	5.9
	6	5.29	Total	7.6	8.6	9.4	10.0
			Sensible	4.5	5.4	6.2	7.0
APD, ΔPs (in. w.g)				0.017	0.028	0.041	0.055
2 Row Multi Circuit	1	0.14	Total	5.7	6.4	6.8	7.2
			Sensible	4.6	6.3	6.7	7.1
	3	1.06	Total	9.3	10.3	11.0	11.8
			Sensible	6.1	7.6	8.6	9.6
	6	3.6	Total	11.5	13.3	14.7	15.8
			Sensible	7.0	8.5	9.9	11.1
APD, ΔPs (in. w.g)				0.039	0.062	0.089	0.121
3 Row Multi Circuit	1	0.19	Total	7.2	8.0	8.5	9.1
			Sensible	5.7	6.8	8.4	9.0
	3	1.49	Total	11.6	13.1	14.4	15.4
			Sensible	7.3	8.9	10.4	11.8
	6	5.05	Total	14.0	16.6	18.7	20.3
			Sensible	8.4	10.4	12.1	13.7
APD, ΔPs (in. w.g)				0.058	0.094	0.135	0.181
4 Row Multi Circuit	1	0.25	Total	8.4	9.2	9.9	10.4
			Sensible	6.1	7.6	8.7	10.3
	3	1.91	Total	13.2	15.2	16.8	18.0
			Sensible	8.2	10.0	11.7	13.4
	6	6.47	Total	15.5	18.8	21.4	23.5
			Sensible	9.3	11.6	13.6	15.6
APD, ΔPs (in. w.g)				0.078	0.125	0.181	0.244
6 Row Multi Circuit	1	0.36	Total	9.9	11.0	11.8	12.4
			Sensible	6.8	8.4	10.0	11.1
	3	2.73	Total	15.2	18.1	20.1	21.9
			Sensible	9.2	11.4	13.3	15.1
	6	9.23	Total	17.0	21.4	25.0	27.9
			Sensible	10.2	13.0	15.5	17.8
APD, ΔPs (in. w.g)				0.118	0.188	0.272	0.366

Performance Notes:

1. Tabulated values are in MBH (thousands of BTU/h) and using an arbitry circuit option. Other circuit options are available.
2. Tables are based on 180°F EWT & 70°F EAT for heating, and 80°F DB / 67°F WB EAT & 45°F EWT for cooling.
3. Multiply MBH values by correction factors listed for other temperature difference conditions.
4. Minimum flows are based on ASHRAE recommendation for coil selection. For further selections please contact your local Price representative.
5. Water pressure drop (WPD) or head loss is in feet of water.
6. Air pressure drop (APD) is the pressure drop in inches of water across the coil.
7. See fan curves for fan capacity with coils.
8. Air temperature rise = ATR (°F) = 927 x MBH/CFM
9. Water temperature drop = WTD (°F) = 2.04 x MBH/GPM
10. Values in tables are listed for 0 ft. of altitude and no glycol in the system.
11. For information outside the ranges in these tables, consult the current Price software of your local Price representative for accurate information.
12. Connections: 7/8 in. OD male solder.
13. Coils used have been performance rated and certified in accordance with the current edition of AHRI Standard 410