PERFORMANCE DATA

FDV with Low Profile Construction (FDVLP) – 1 and 2 Row Hot Water Coil Data

Size 20 Standard Capacity

Rows	Coil (gpm)	HD Loss	Airflow Rate (cfm)							
			250	300	350	400	450	500	550	600
1 Row Multi Circuit	0.5	0.21	7.4	7.8	8.2	8.5	8.8	9.0	9.3	9.4
	1	0.73	9.3	10.0	10.6	11.2	11.6	12.1	12.4	12.8
	2	2.53	10.5	11.5	12.3	13.1	13.7	14.3	14.9	15.4
	3	5.25	11.1	12.2	13.1	14.0	14.7	15.4	16.0	16.6
	Through the Coil, ΔPs		0.05	0.07	0.09	0.11	0.13	0.15	0.18	0.21
2 Row Multi Circuit	1	0.17	15.4	16.8	18.0	19.0	19.9	20.6	21.3	21.9
	2	0.60	17.6	19.6	21.3	22.8	24.1	25.3	26.4	27.4
	4	2.10	18.8	21.1	23.1	24.9	26.6	28.1	29.5	30.7
	6	4.39	19.3	21.7	23.9	25.9	27.7	29.3	30.8	32.2
	Through the Coil, ΔPs		0.11	0.15	0.19	0.24	0.29	0.35	0.40	0.47

Size 30 Standard Capacity

Rows	Coil (gpm)	HD Loss	Airflow Rate (cfm)							
			500	550	600	650	700	750	800	900
1 Row Multi Circuit	0.5	0.25	10.4	10.6	10.8	11.0	11.2	11.3	11.5	11.7
	1	0.84	14.7	15.2	15.6	16.0	16.3	16.7	17.0	17.5
	2	2.90	18.4	19.2	19.9	20.5	21.1	21.6	22.1	23.0
	3	6.03	20.2	21.1	22.0	22.7	23.5	24.1	24.8	25.9
	Through the Coil, ΔPs		0.07	0.08	0.09	0.10	0.12	0.13	0.14	0.18
2 Row Multi Circuit	1	0.21	23.9	24.7	25.4	26.0	26.6	27.1	27.6	28.5
	2	0.71	30.6	32.0	33.3	34.5	35.6	36.7	37.6	39.3
	4	2.48	34.9	36.9	38.7	40.4	42.0	43.5	44.9	47.5
	6	5.18	36.7	38.9	41.0	43.0	44.8	46.5	48.2	51.2
	Through the Coil, ΔPs		0.15	0.17	0.20	0.23	0.26	0.29	0.32	0.39

Size 40 Standard Capacity

Rows	Coil (gpm)	HD Loss	Airflow Rate (cfm)							
			800	850	900	950	1000	1100	1200	1300
1 Row Multi Circuit	1	0.20	18.0	18.3	18.6	18.8	19.0	19.5	19.9	20.2
	2	0.67	24.0	24.6	25.1	25.5	26.0	26.8	27.5	28.2
	4	2.34	28.6	29.4	30.1	30.8	31.4	32.6	33.7	34.7
	6	4.86	30.8	31.7	32.5	33.3	34.0	35.4	36.7	37.9
	Through the Coil, ΔPs		0.10	0.11	0.12	0.13	0.15	0.17	0.20	0.22
2 Row Multi Circuit	1	0.25	28.6	29.1	29.5	29.9	30.2	30.8	31.4	31.9
	2	0.87	39.6	40.6	41.4	42.3	43.0	44.4	45.7	46.8
	4	3.03	47.9	49.4	50.8	52.1	53.3	55.6	57.8	59.7
	6	6.33	51.6	53.4	55.0	56.6	58.1	60.9	63.4	65.8
	Through the Coil, ΔPs		0.22	0.25	0.27	0.29	0.32	0.38	0.43	0.49

Performance Notes:

1. Tabulated values are in MBH (thousands of Btu per hour).
2. Tables are based on a temperature difference of 105°F (180°F entering water temperature and 75°F entering air temperature). For other temperature differences, multiply MBH values by factors as listed above.
3. Minimum air and water flow values are based on ASHRAE recommendations for coil selection. For selections outside these tabulated air or water flow values, please consult your Price representatives.
4. Do not select coils for a leaving air temperature above 120 °F.
5. HD (Head) Loss is in ft of water.
6. Through the Coil APD is the pressure drop in in. of water across the coil.
7. For fan capacity with coils, see fan curves.
8. Air Temperature rise = ATR,
   ATR(°F) = 927 x MBH/cfm.
9. Water Temperature Drop = WTD,
   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. Heating coils used in this unit have performance rated and certified in accordance with the current edition of AHRI Standard 410.
12. Connections:
    Single Circuit – $^{1}/_{2}$ in. OD male solder.
    Multi Circuit – $^{7}/_{8}$ in. OD male solder.