

# 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:

- Tabulated values are in MBH (thousands of Btu per hour).
- 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.
- 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.
- Do not select coils for a leaving air temperature above 120 °F.
- HD (Head) Loss is in ft of water.
- Through the Coil APD is the pressure drop in in. of water across the coil.
- For fan capacity with coils, see fan curves.
- Air Temperature rise = ATR, ATR(°F) = 927 x MBH/cfm.
- Water Temperature Drop = WTD, WTD(°F) = 2.04 x MBH/gpm.
- Values in tables are listed for 0 ft of altitude and no glycol in the system.
- Heating coils used in this unit have performance rated and certified in accordance with the current edition of AHRI Standard 410.
- Connections:  
Single Circuit – 1/2 in. OD male solder.  
Multi Circuit – 7/8 in. OD male solder.