

Performance Data

Cooling Coil Data (IP Units) – FDCLP2 with Sensible Cooling Coil (DOAS)

Unit Size	Rows	Coil GPM	HD Loss	Sensible Cooling Capacity (MBH)			
				225 CFM	375 CFM	525 CFM	675 CFM
10	2	1	0.2	2.6	3.4	3.9	4.3
		2	0.8	3.0	4.1	5.0	5.6
		4	2.8	3.2	4.6	5.7	6.7
		6	6.0	3.3	4.8	6.1	7.1
		Airsides Δ Ps		0.01	0.03	0.05	0.08
	4	1	0.2	3.5	4.8	5.5	6.0
		2	0.7	3.9	5.7	7.1	8.1
		4	2.6	4.0	6.2	8.0	9.6
		6	5.4	4.1	6.4	8.4	10.1
		Airsides Δ Ps		0.02	0.05	0.1	0.15
	6	1	0.1	3.8	5.2	6.1	6.6
		2	0.4	4.1	6.3	7.9	9.1
		4	1.5	4.2	6.7	8.9	10.8
		6	3.2	4.3	6.9	9.2	11.3
		Airsides Δ Ps		0.03	0.08	0.15	0.23
	8	1	0.3	4.1	5.9	7.0	7.6
		2	1.1	4.3	6.8	8.9	10.5
		4	4.0	4.3	7.1	9.6	11.9
		6	8.3	4.3	7.1	9.8	12.3
		Airsides Δ Ps		0.04	0.11	0.19	0.3

Unit Size	Rows	Coil GPM	HD Loss	Sensible Cooling Capacity (MBH)		
				450 CFM	600 CFM	750 CFM
20	2	1	0.1	3.6	4.1	4.4
		2	0.4	4.6	5.3	5.9
		4	1.7	5.3	6.3	7.1
		6	3.8	5.5	6.7	7.7
		Airsides Δ Ps		0.03	0.05	0.08
	4	1	0.2	5.3	6.0	6.4
		2	0.6	6.6	7.9	8.8
		4	2.4	7.3	9.0	10.5
		6	4.9	7.5	9.5	11.2
		Airsides Δ Ps		0.06	0.1	0.15
	6	1	0.2	6.2	6.9	7.4
		2	1.0	7.5	9.1	10.4
		4	3.5	8.1	10.3	12.2
		6	7.3	8.3	10.6	12.8
		Airsides Δ Ps		0.09	0.15	0.23
	8	1	0.3	6.7	7.5	7.9
		2	1.3	8.0	9.9	11.3
		4	4.6	8.4	10.9	13.1
		6	9.6	8.5	11.1	13.6
		Airsides Δ Ps		0.12	0.2	0.3

Unit Size	Rows	Coil GPM	HD Loss	Sensible Cooling Capacity (MBH)			
				450 CFM	600 CFM	750 CFM	900 CFM
30	2	1	0.1	3.6	4.1	4.4	4.7
		2	0.4	4.6	5.3	5.9	6.4
		4	1.7	5.3	6.3	7.1	7.9
		6	3.8	5.5	6.7	7.7	8.5
		Airsides Δ Ps		0.03	0.05	0.08	0.1
	4	1	0.2	5.3	6.0	6.4	6.7
		2	0.6	6.6	7.9	8.8	9.6
		4	2.4	7.3	9.0	10.5	11.8
		6	4.9	7.5	9.5	11.2	12.7
		Airsides Δ Ps		0.06	0.1	0.15	0.21
	6	1	0.2	6.2	6.9	7.4	7.7
		2	1.0	7.5	9.1	10.4	11.3
		4	3.5	8.1	10.3	12.2	13.9
		6	7.2	8.3	10.6	12.8	14.7
		Airsides Δ Ps		0.09	0.15	0.23	0.31
	8	1	0.3	6.7	7.5	7.9	8.2
		2	1.3	8.0	9.9	11.3	12.5
		4	4.6	8.4	10.9	13.1	15.1
		6	9.6	8.5	11.1	13.6	15.9
		Airsides Δ Ps		0.12	0.2	0.3	0.42

Performance Data

Cooling Coil Data (IP Units) – FDCLP2 with Sensible Cooling Coil (DOAS)

Unit Size	Rows	Coil GPM	HD Loss	Sensible Cooling Capacity (MBH)			
				750 CFM	950 CFM	1150 CFM	1250 CFM
40	2	1	0.3	5.4	5.9	6.2	6.4
		2	1.3	7.2	8.1	8.8	9.1
		4	2.8	8.0	9.2	11.0	11.5
		6	4.8	8.5	9.8	11.9	12.5
		Airsides Δ Ps		0.03	0.04	0.06	0.07
	4	1	0.3	7.3	7.7	8.0	8.1
		2	1.1	10.1	11.4	12.3	12.7
		4	2.3	11.2	13.0	15.7	16.4
		6	3.8	11.8	13.9	16.9	17.9
		Airsides Δ Ps		0.06	0.09	0.12	0.14
	6	1	0.4	8.1	8.4	8.6	8.7
		2	1.6	11.5	13.0	14.0	14.5
		4	3.4	12.6	14.9	18.0	19.0
		6	5.7	13.2	15.8	19.3	20.6
		Airsides Δ Ps		0.09	0.13	0.19	0.22
	8	1	0.6	8.5	8.7	8.8	8.9
		2	2.1	12.3	14.0	15.1	15.5
		4	4.5	13.4	16.0	19.4	20.6
		6	7.5	13.8	16.8	20.6	22.0
		Airsides Δ Ps		0.12	0.18	0.25	0.29

Unit Size	Rows	Coil GPM	HD Loss	Sensible Cooling Capacity (MBH)			
				1200 CFM	1400 CFM	1600 CFM	1750 CFM
50	2	1	0.1	5.7	5.9	6.1	6.2
		2	0.5	8.0	8.5	8.9	9.2
		4	2.0	10.2	11.0	11.6	12.1
		6	4.4	11.2	12.2	13.0	13.6
		Airsides Δ Ps		0.1	0.13	0.17	0.2
	4	1	0.2	7.7	7.9	8.0	8.1
		2	0.8	11.8	12.5	13.0	13.3
		4	3.0	15.2	16.5	17.6	18.4
		6	6.2	16.6	18.3	19.7	20.8
		Airsides Δ Ps		0.2	0.26	0.33	0.39
	6	1	0.3	8.4	8.6	8.6	8.7
		2	1.2	13.7	14.4	14.9	15.2
		4	4.4	17.8	19.5	20.9	21.8
		6	9.1	19.3	21.4	23.4	24.7
		Airsides Δ Ps		0.3	0.39	0.5	0.59
	8	1	0.4	8.7	8.8	8.9	8.9
		2	1.6	14.8	15.5	16.0	16.3
		4	5.8	19.4	21.4	23.0	24.1
		6	12.1	20.8	23.4	25.7	27.2
		Airsides Δ Ps		0.4	0.53	0.67	0.79

Performance Notes:

1. Tabulated values are in MBH (thousands of Btu per hour).
2. Tables are based on (57°F entering water temperature and 75°F entering air temperature). Entering water temperature must be above plenum dew point to prevent condensation on the coil (typically 55-57°F).
3. Minimum air and water flow values are based on ASHRAE recommendations for coil selections. For selections below these tabulated air or water values, please consult your local Price representative.
4. HD (Head) loss is in ft. of water.
5. Through the Coil ΔPs, is the pressure drop in in. of water across the coil.
6. Air temperature rise = ATR
ATR (°F) = 927 x MBH/cfm
7. Water temperature drop = WTD
WTD (°F) = 2.04 x MBH/gpm
8. Values in tables are listed for 0 ft. of altitude and no glycol in the system.
9. For information outside the ranges used in the table, consult the current Price software or your Price representative for accurate coil information.
10. Cooling coils used in this unit have performance rated and certified in accordance with the current edition of AHRI Standard 410.
11. Connections: Single Circuit – 1 /2 in. OD male solder Multi Circuit – 7 /8 in. OD male solder.