

TITUS[®]



Models: PESV, DESV — Hot Water Coil, MBH - 2 Row

Size 14

Rows/ Circuits	GPM	Head Loss	Airflow, cfm								
			400	700	1000	1300	1600	1900	2200	2500	2800
Two Rows Multi- Circuit	2.0	0.56	32.5	43.9	51.4	56.8	60.9	64.2	66.8	69.1	71.0
	4.0	1.94	35.6	50.5	61.3	69.7	76.4	82.0	86.8	90.9	94.5
	6.0	3.89	36.8	53.2	65.5	75.3	83.4	90.3	96.3	101.5	106.1
	8.0	6.40	37.4	54.6	67.8	78.5	87.4	95.1	101.8	107.8	113.1
Airsides ΔP_s			0.02	0.05	0.10	0.16	0.23	0.31	0.41	0.51	0.63

Size 16

Rows/ Circuits	GPM	Head Loss	Airflow, cfm								
			400	700	1000	1300	1600	1900	2200	2500	2800
Two Rows Multi- Circuit	3.0	0.50	45.4	59.2	68.5	75.3	80.7	85.0	88.5	91.5	94.1
	5.0	1.26	49.1	66.1	78.4	87.9	95.5	101.9	107.2	111.9	115.9
	7.0	2.25	50.8	69.6	83.6	94.6	103.7	111.4	118.0	123.7	128.8
	9.0	3.45	51.8	71.7	86.8	98.9	108.9	117.5	125.0	131.5	137.3
Airsides ΔP_s			0.03	0.07	0.13	0.21	0.30	0.40	0.51	0.64	0.78

- Hot water capacities are in MBH.
- Data are based upon 180°F entering water and 55°F entering air.
- Head loss is in feet of water.
- Tables are based upon a temperature difference of 125°F between entering air and entering water. For other temperature differences, multiply MBH values by factors below.
- Air temperature rise = $927 \times \text{MBH} / \text{cfm}$.
- Water temperature drop = $2.04 \times \text{MBH} / \text{GPM}$.
- Connections: Single circuit, 7/8 in. O.D. male solder.
- GPMs below minimum values listed may be in laminar flow range, reducing coil performance. Contact your TITUS representative for more information.

Correction Factors for Other Entering Conditions:

ΔT	50	60	70	80	90	100	110	125	140	150
Factor	0.40	0.48	0.56	0.64	0.72	0.80	0.88	1.00	1.12	1.20

Note: Airside ΔP_s reflects the air pressure drop of the hot water coil.