

Performance

Humidiflex System Performance					
Temp input	Degree F %	75	75	80	80
Humidity input	RH	50%	60%	50%	60%
Water	lbs/hr.	3.5	4.6	4.6	5.5
Removal	PPD pints	80	105	105	127
Sens. cool cap. BTU/hr		7200	7500	7900	7200
		capacity per ton	PPD	pints per day	

The data presented shows the dehumidification capacity at various intake conditions. Capacity is measured in pounds per hour (Lbs./hr.) and pints per day, and is calculated per ton of cooling.

Sizing

MODEL	< 400 CFM / Ton		> 400 CFM / Ton	
	CFM	SIZE tons	CFM	SIZE tons
IAHS 8	< 400	1.5 - 2.5	> 400	1.5 - 2.0
IAHS 10	< 400	3.0 - 4.0	> 400	2.5 - 3.0
IAHS 12	< 400	4.0-7.5	> 400	3.5 - 5

The table above displays the three available sizes for the InnoTek Air Humidiflex system.

- The blue column is used for selecting the appropriate size based on the fan connection diameter (8, 10, or 12 inches) and the unit's fan size.

- Within the blue column, sizes are split into two cooling conditions:

When airflow is below 400 CFM per ton of cooling.

The green represents airflow that is at or above 400 CFM per ton of cooling (400 CFM/ton)