

IMD 280

Nominal Airflow: 1250 l/s

Cooling Capacity (kW)

Entering Air Temperature 23°C D.B., 17°C W.B.

Total = Total Capacity (kW); Sens. = Sensible Capacity (kW)

Note: Cooling capacities are based on the nominal airflow.

COIL	WATER FLOW (l/s)	PRESSURE DROP (kPa)	ENTERING WATER TEMPERATURE °C									
			5		6		7		8		9	
			Total	Sens.	Total	Sens.	Total	Sens.	Total	Sens.	Total	Sens.
1 ROW	0.25	6.0	6.8	5.8	6.2	5.6	5.8	5.4	5.3	5.3	4.9	4.9
	0.45	16.9	9.0	6.6	8.2	6.3	7.6	6.1	6.9	5.8	6.3	5.6
	0.65	34.1	10.4	7.1	9.6	6.8	8.9	6.6	8.0	6.2	7.2	5.9
4 ROWS	0.60	7.0	19.2	15.2	17.7	14.6	16.4	14.0	14.8	13.4	13.4	12.9
	1.00	17.8	23.4	16.9	21.8	16.2	19.9	15.5	18.1	14.7	16.4	14.1
	1.40	33.1	26.2	18.2	24.2	17.3	22.1	16.4	20.0	15.5	18.1	14.7

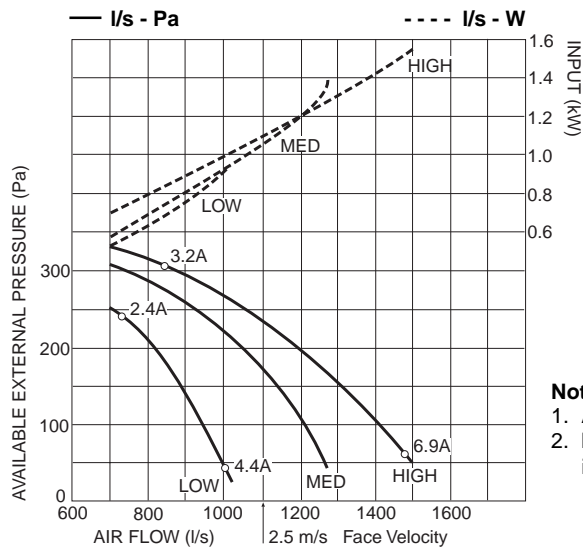
Heating Capacity (kW)

Entering Air Temperature 21°C

Note: Heating capacities are total - based on the nominal airflow. Electric Heating option: 9 kW

COIL	WATER FLOW (l/s)	PRESSURE DROP (kPa)	ENTERING WATER TEMPERATURE °C									
			40	45	50	55	60	65	70	75	80	
			1 ROW	0.20	2.8	7.4	9.4	11.3	13.2	15.2	17.1	19.1
0.50	14.5	9.5		12.0	14.4	17.0	19.5	21.9	24.4	26.9	29.4	
0.80	33.2	10.5		13.3	16.0	18.8	21.6	24.3	27.1	29.8	32.6	

Air Handling



Sound Levels

Test Conditions: JIS 8616. 1 m ducting with 25 mm insulation. Sound Pressure Levels are at 1 m from source.

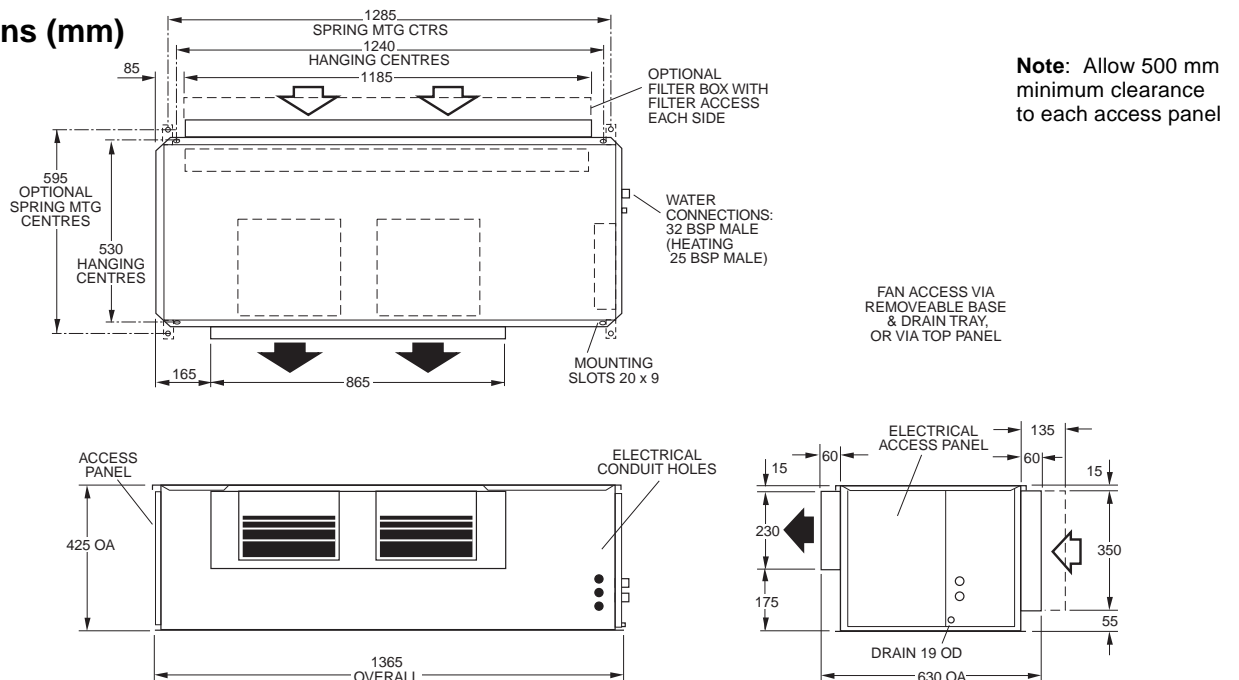
FAN SPEED	SPL dB(A)	SWL dB(A)	OCTAVE BAND FREQ. Hz					
			125	250	500	1 k	2 k	4 k
			SOUND POWER LEVELS dB					
LOW	45	55	53	57	55	49	43	40
MED	50	60	58	62	59	55	49	46
HIGH	57	67	63	68	64	62	56	55

Note:

- Air flows given are for a unit with no filter installed.
- In a free blow application, beware of exceeding indoor fan motor's full load amp limit.

Dimensions (mm)

Not to Scale



Note: Allow 500 mm minimum clearance to each access panel