

# IJD 450

Nominal Airflow: 1800 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.
4 ROWS	2.00	7.9	35.1	25.1	32.3	23.9	29.6	22.8	26.8	21.6	24.1	20.5
	3.00	16.7	39.1	26.8	36.0	25.5	33.3	24.3	30.1	23.0	26.9	21.7
	4.00	26.0	41.6	28.0	38.6	26.6	35.4	25.2	32.3	23.9	29.1	22.6
6 ROWS	1.50	6.6	37.4	26.6	34.8	25.5	31.8	24.2	29.1	23.1	26.1	21.9
	2.50	17.0	43.4	29.3	40.2	27.8	38.1	26.5	33.8	25.0	30.4	23.6
	3.50	31.5	46.7	30.8	43.2	29.2	40.0	27.7	36.3	26.1	32.9	24.7

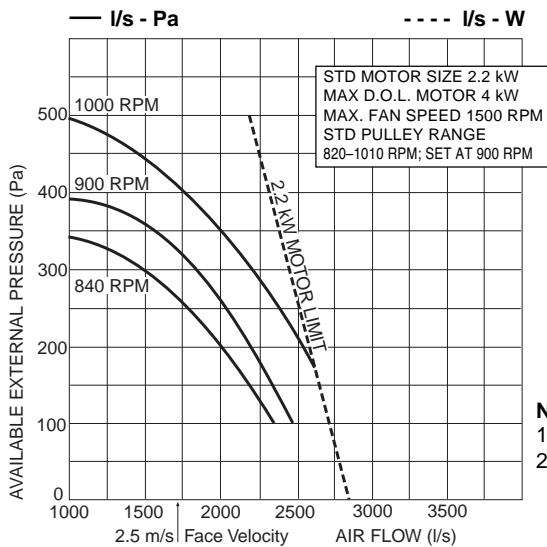
## Heating Capacity (kW)

Entering Air Temperature 21°C

Note: Heating capacities are total - based on the nominal airflow. Electric Heating option: 18 kW

COIL	WATER FLOW (l/s)	PRESSURE DROP (kPa)	ENTERING WATER TEMPERATURE °C								
			40	45	50	55	60	65	70	75	80
1 ROW	1.50	6.4	14.8	18.6	22.5	26.4	30.3	34.2	38.1	41.9	45.8
	2.50	16.0	16.0	20.2	24.4	28.7	32.9	37.1	41.3	45.5	49.8
	3.50	29.2	17.0	21.4	25.9	30.4	34.8	39.3	43.8	48.2	52.7

## Air Handling



## Sound Levels

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

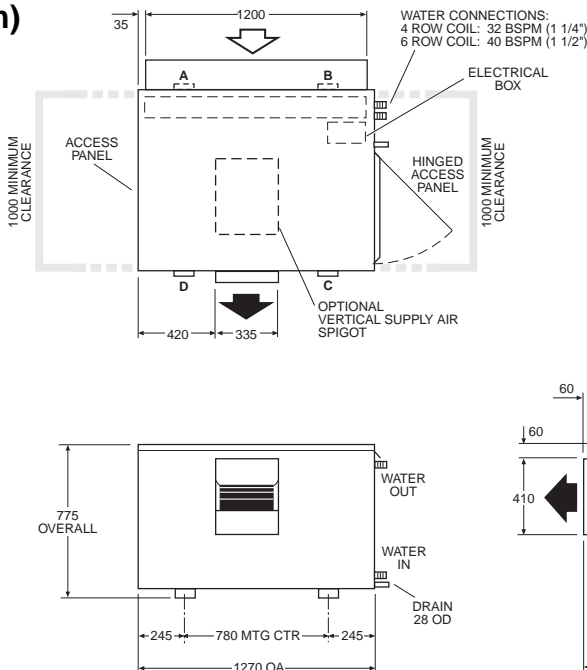
FAN SPEED RPM	SPL dB(A)	SWL dB(A)	OCTAVE BAND FREQ. Hz					
			125	250	500	1 k	2 k	4 k
840	64	74	78	76	72	67	64	63
900	68	78	79	78	76	72	69	68
1000	73	83	80	80	80	79	74	74

### Note:

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

## Dimensions (mm)

Not to Scale



POINT LOADS (kg) *			
A	B	C	D
61	74	47	35

\* 4/1 row coil including water

