IMDL 40-S

Nominal Airflow: 145 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.
3 ROWS	0.12	7.6	2.9	1.9	2.7	1.9	2.5	1.8	2.2	1.7	2.0	1.6
	0.19	17.6	3.3	2.1	3.1	2.0	2.8	1.9	2.5	1.8	2.3	1.7
	0.26	30.0	3.5	2.2	3.3	2.1	3.0	2.0	2.7	1.9	2.5	1.8
4 ROWS	0.15	6.6	3.6	2.2	3.3	2.1	3.1	2.0	2.8	1.9	2.5	1.8
	0.25	16.3	4.0	2.4	3.7	2.3	3.4	2.2	3.1	2.0	2.8	1.9
	0.35	30.0	4.2	2.5	3.9	2.4	3.6	2.2	3.3	2.1	3.0	2.0

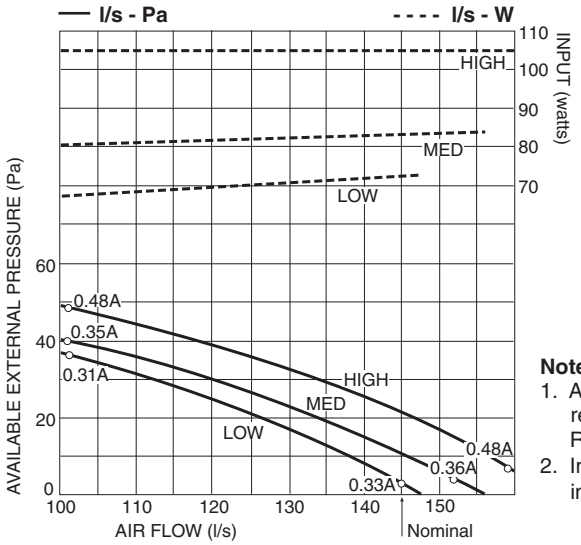
Heating Capacity (kW)

Entering Air Temperature 21° C

Note: Heating capacities are total - based on the nominal airflow. **Electric Heating option**: 1.5 kW

COIL	WATER FLOW (l/s)	PRESSURE DROP (kPa)	ENTERING WATER TEMPERATURE °C								
			40	45	50	55	60	65	70	75	80
1 ROW	0.04	6.4	1.2	1.5	1.8	2.1	2.4	2.6	2.9	3.2	3.5
	0.07	17.4	1.3	1.6	2.0	2.3	2.7	3.0	3.4	3.7	4.0
	0.10	33.0	1.4	1.7	2.1	2.5	2.8	3.2	3.6	3.9	4.3

Air Handling



Note:
1. Air flows given are for a standard unit with rectangular supply air spigot and no filter installed. Refer page 53 for filter pressure drop.
2. In a free blow application, beware of exceeding indoor fan motor's full load amp limit.

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	31	41	52	42	38	31	27	19
MED	31	41	52	43	39	32	29	20
HIGH	33	43	53	44	41	34	30	22

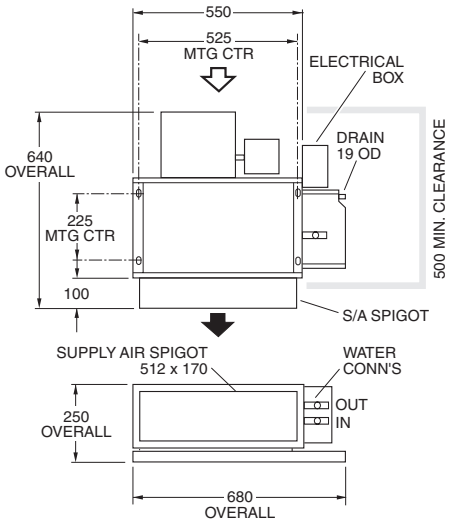
Note: Return air plenum, filter and standard supply air spigot attached.

Dimensions (mm)

Not to Scale

Right Handed models shown

Standard Unit



Standard Unit with Return Air Plenum & Multi-Outlet Supply Air Spigot