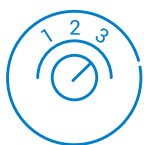


Chilled Water Fan Coil Units Air Handling Units



Advantage Range (Compact FCU)

IMD



3 Speed Fan Motor



Electric Heating



Opposite Hand

Advantage Range (IMD) Specifications



Model	IMD 95	IMD 135	IMD 170	IMD 210	IMD 280	IMD 420	IMD 550
Nominal Air Flow (l/s) *	450	600	750	900	1200	1800	2350
Fan Type	Forward curved centrifugal double inlet double width						
No. of Fan Scrolls	1	1	1	2	2	2	2
Motor Type	Three speed, direct drive						
Power Source **	1 Phase 230 Volt AC 50 Hz						
No. of Motors	1	1	1	1	2	2	2
Motor Rating (W)	316	373	550	550	550 (x2)	746 (x2)	746 (x2)
Full Load Current (A)**	3.5	3.7	5.0	5.7	5.7 x 2 (11.4)	6.3 x 2 (12.6)	6.3 x 2 (12.6)
Optional Electric Heating (kW)***	4	6	6	9	9	12	18
Electric Heat Current (A/ph)	17.6/1ph	8.8/3ph	8.8/3ph	13.2/3ph	13.2/3ph	17.6/3ph	26.4/3ph
Heat Exchanger Type	Epoxy aluminium corrugated plate fins to expanded rifled copper tube						
Cooling/Heating Medium	Chilled Water or Hot Water						
Finish	Zinc galvanised steel						
Test Pressure	2100 kPa						
Connection Sizes Cooling Coil (mm)	Ø 25 (1" BSP)	Ø 25 (1" BSP)	Ø 25 (1" BSP)	Ø 25 (1" BSP)	Ø 32 (1¼" BSP)	Ø 32 (1¼" BSP)	Ø 32 (1¼" BSP)
Connection Sizes Heating Coil (mm)	Ø 15 (½" BSP)	Ø 15 (½" BSP)	Ø 15 (½" BSP)	Ø 15 (½" BSP)	Ø 25 (1" BSP)	Ø 32 (1¼" BSP)	Ø 32 (1¼" BSP)
Optional Air Filter Type	G2 / EU2 Washable						
No. of optional Air Filters	1	1	1	1	2	2	2
Optional Air Filter Size (mm)	593 x 275 x 13	767 x 275 x 13	914 x 275 x 13	1064 x 275 x 13	593 x 345 x 13	685 x 415 x 13	3712 x 542 x 13
Weight (4/1) Inc. Water (kg)	47	55	62	72	96	135	165
Nett Dry Weight (kg)	42	49	55	64	85	120	145
Shipping Weight (kg)	48	55	62	72	93	147	173

* with no filters fitted and with a dry coil surface

** Voltage fluctuation limits 200-252V fan motor only excluding electric heat

*** Optional Electric Heating - models IMD135 through IMD550 require a 3 phase AC power supply, 342-436V 50Hz

Cooling and Heating Coil options:

4 Row Cooling only

4 Row Cooling + 1 Row Heating

4 Row Cooling plus Electric Heating

IMD 95

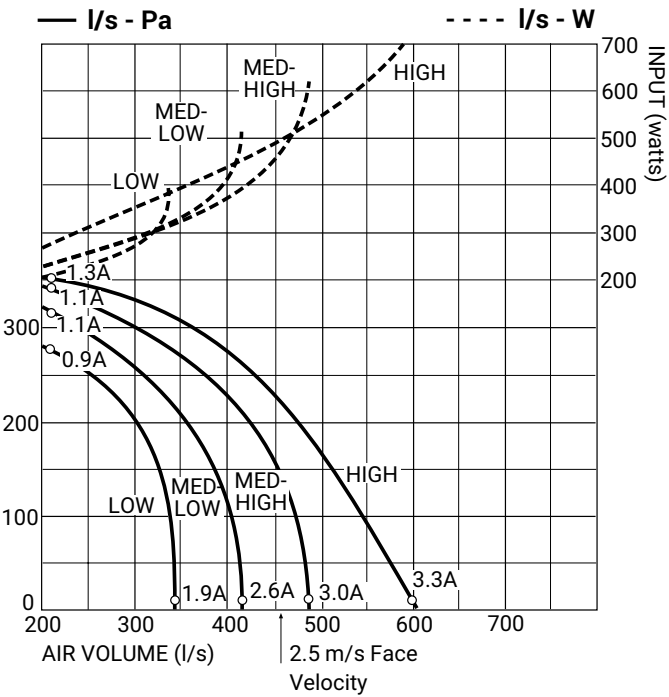
				Low Air flow			Medium Air flow			Nominal Air flow		
4 row chilled water coil				250 L/s			350 L/s			450 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.3	7.0	total	5.4	5.0	4.5	6.4	5.9	5.4	7.2	6.7	6.1
			sensible	3.8	3.6	3.4	4.8	4.6	4.3	5.6	5.4	5.2
	0.5	17.6	total	6.0	5.5	5.0	7.4	6.8	6.1	8.5	7.9	7.1
			sensible	4.1	3.9	3.7	5.2	5.0	4.7	6.2	5.9	5.6
	0.7	32.4	total	6.4	5.8	5.3	8.0	7.3	6.7	9.3	8.6	7.8
			sensible	4.3	4.0	3.8	5.5	5.2	4.9	6.5	6.2	5.9
27/19	0.3	7.0	total	6.6	6.2	5.7	7.9	7.4	6.8	8.8	8.2	7.6
			sensible	4.7	4.5	4.3	5.9	5.7	5.5	7.0	6.8	6.6
	0.5	17.6	total	7.4	6.9	6.4	9.1	8.5	7.9	10.6	9.8	9.0
			sensible	5.1	4.8	4.6	6.5	6.2	5.9	7.7	7.4	7.1
	0.7	32.4	total	7.8	7.3	6.8	9.8	9.2	8.5	11.5	10.7	10.0
			sensible	5.2	5.0	4.8	6.8	6.5	6.2	8.1	7.8	7.5
31/21	0.3	7.0	total	8.0	7.5	7.1	9.4	8.9	8.3	10.5	9.9	8.3
			sensible	5.6	5.4	5.3	7.1	6.9	6.6	8.3	8.1	7.9
	0.5	17.6	total	8.9	8.4	7.9	10.9	10.3	9.6	12.5	11.8	11.1
			sensible	6.0	5.8	5.6	7.7	7.4	7.1	9.1	8.8	8.6
	0.7	32.4	total	9.4	8.9	8.3	11.8	11.1	10.4	13.8	13.0	12.2
			sensible	6.2	6.0	5.8	8.0	7.8	7.5	9.6	9.3	9.0
35/24	0.3	7.0	total	10.1	9.6	9.1	11.8	11.2	10.6	13.1	12.4	11.7
			sensible	6.3	6.1	5.9	7.9	7.7	7.5	9.2	9.0	8.8
	0.5	17.6	total	11.3	10.8	10.2	13.9	13.2	12.5	15.8	15.0	14.2
			sensible	6.8	6.6	6.4	8.6	8.4	8.1	10.2	9.9	9.6
	0.7	32.4	total	12.0	11.5	10.9	15.0	14.3	13.6	17.5	16.6	15.7
			sensible	7.1	6.9	6.6	9.1	8.8	8.5	10.8	10.5	10.2
1 row hot water coil												
Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
7	0.04	1.6	heat	4.2	5.7	7.2	4.7	6.4	7.9	5.0	6.8	8.5
	0.12	10.4	heat	5.6	7.5	9.5	6.6	9.0	11.3	7.5	10.0	12.7
	0.2	25.7	heat	6.1	8.2	10.4	7.4	10.0	12.6	8.4	11.4	14.3
15	0.04	1.6	heat	3.4	4.9	6.4	3.8	5.4	7.1	4.1	5.8	7.6
	0.12	10.4	heat	4.5	6.5	8.4	5.4	7.7	10.0	6.0	8.6	11.2
	0.2	25.7	heat	4.9	7.1	9.2	6.0	8.6	11.1	6.8	9.8	12.7
21	0.04	1.6	heat	2.8	4.3	5.8	3.2	4.8	6.4	3.4	5.1	6.9
	0.12	10.4	heat	3.7	5.7	7.6	4.4	6.7	9.0	5.0	7.6	10.1
	0.2	25.7	heat	4.1	6.2	8.3	5.0	7.5	10.1	5.7	8.6	11.5

Performance Data

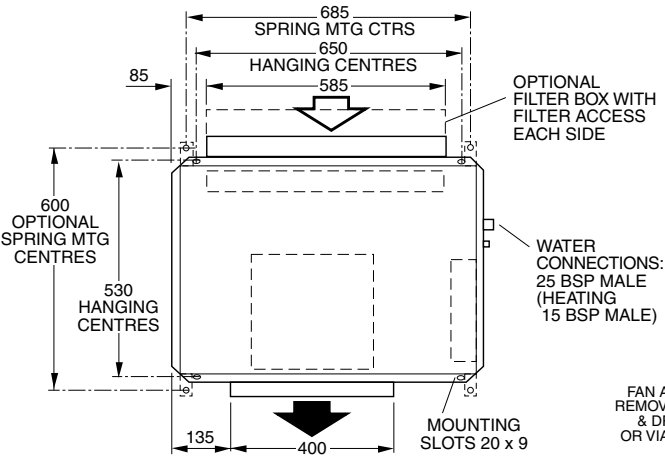
IMD 95

Air Handling

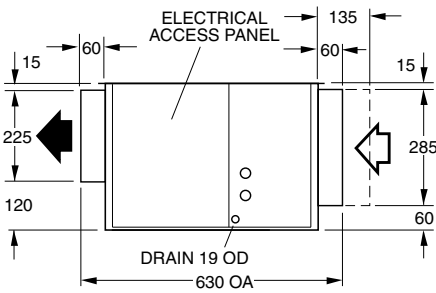
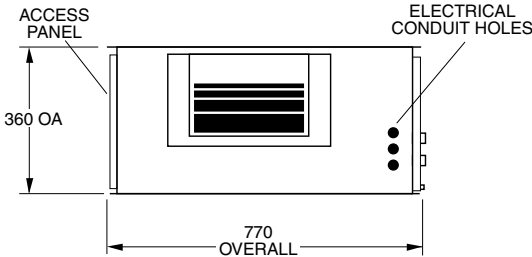
- Notes:**
1. Air flows given are for a unit with no filter installed.
 2. In a free blown application, beware of exceeding indoor fan motor's full load amp limit.
 3. Airflows are for dry coil. Reduce airflow by 10% in high moisture removal conditions. Refer to page 70 for filter pressure drop.



Dimensions



FAN ACCESS VIA REMOVEABLE BASE & DRAIN TRAY, OR VIA TOP PANEL



Sound Levels

Sound levels are specified as in-situ conditions. For more information and adjustment factors for your specific installation please find supplementary booklets under the relevant units on our website www.temperzone.com

Fan Speed	Sound Power Levels (SWL) (dB)						
	dB(A)	Octave Band Centre Frequency (Hz)					
		125	250	500	1K	2K	4K
Low	50	58	55	47	39	31	30
Med/Low	55	61	61	51	44	36	36
Med/High	58	66	65	54	47	39	39
High	60	68	67	55	48	42	41

IMD 135

				Low Air flow			Medium Air flow			Nominal Air flow		
4 row chilled water coil				300 L/s			450 L/s			600 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.2	4.0	total	5.8	5.3	4.9	6.8	6.3	5.7	7.5	6.8	6.3
			sensible	4.3	4.1	3.9	5.6	5.3	5.1	6.6	9.4	6.2
	0.4	13.9	total	7.0	6.4	5.8	8.7	8.0	7.3	10.1	9.2	8.4
			sensible	4.8	4.6	4.3	6.4	6.0	5.7	7.7	7.3	7.0
	0.6	28.9	total	7.5	6.9	6.3	9.8	9.0	8.2	11.5	10.6	9.6
			sensible	5.1	4.8	4.5	6.8	6.5	6.1	8.3	7.9	7.5
27/19	0.2	4.0	total	7.1	6.6	6.2	8.3	7.7	7.2	9.0	8.4	7.9
			sensible	5.3	5.1	4.9	6.9	6.7	6.5	8.3	8.1	7.9
	0.4	13.9	total	8.6	8.0	7.4	10.7	10.0	9.2	12.3	11.4	10.6
			sensible	5.9	5.7	5.5	7.9	7.6	7.3	9.5	9.2	8.9
	0.6	28.9	total	9.3	8.6	8.0	12.0	11.2	10.4	14.1	13.2	12.2
			sensible	6.3	6.0	5.7	8.4	8.1	7.7	10.3	9.9	9.5
31/21	0.2	4.0	total	8.5	8.0	7.5	9.8	9.3	8.7	10.7	10.1	9.5
			sensible	6.3	6.1	5.9	8.2	8.0	7.8	9.9	9.7	9.5
	0.4	13.9	total	10.3	9.7	9.1	12.8	12.1	11.3	14.7	13.8	12.9
			sensible	7.1	6.8	6.6	9.4	9.1	8.8	11.4	11.0	10.7
	0.6	28.9	total	11.1	10.5	9.8	14.4	13.5	12.7	16.9	15.9	14.9
			sensible	7.4	7.1	6.9	10.0	9.7	9.3	12.2	11.8	11.4
35/24	0.2	4.0	total	10.6	10.1	9.6	12.1	11.6	11.0	13.1	12.5	11.9
			sensible	7.0	6.9	6.7	9.1	8.9	8.7	10.9	10.7	10.5
	0.4	13.9	total	13.0	12.5	11.8	16.1	15.3	14.5	18.2	17.3	16.4
			sensible	8.0	7.7	7.5	10.5	10.2	9.9	12.5	12.2	11.9
	0.6	28.9	total	14.2	13.6	12.9	18.3	17.4	16.5	21.3	20.2	19.2
			sensible	8.5	8.2	7.9	11.3	10.9	10.6	13.6	13.3	12.9
1 row hot water coil												
Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
7	0.04	2.0	heat	4.9	6.6	8.2	5.4	7.3	9.1	5.8	7.8	9.8
	0.12	13.5	heat	6.7	9.1	11.4	8.2	11.1	14.0	9.3	12.5	15.8
	0.2	33.3	heat	7.4	10.0	12.6	9.3	12.6	15.9	10.8	14.5	18.3
15	0.04	2.0	heat	4.0	5.7	7.3	4.4	6.3	8.2	4.7	6.7	8.7
	0.12	13.5	heat	5.5	7.8	10.1	6.7	9.5	12.4	7.6	10.8	10.0
	0.2	33.3	heat	6.0	8.6	11.2	7.54	10.8	14.0	8.7	12.5	16.2
21	0.04	2.0	heat	3.3	5.0	6.6	3.6	5.5	7.4	3.9	5.9	7.8
	0.12	13.5	heat	4.5	6.8	9.2	5.5	8.4	11.2	6.2	9.5	12.7
	0.2	33.3	heat	5.0	7.5	10.1	6.2	9.4	12.7	7.2	10.9	14.7

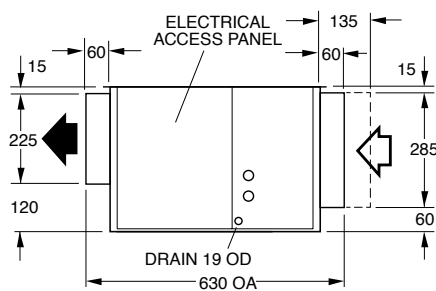
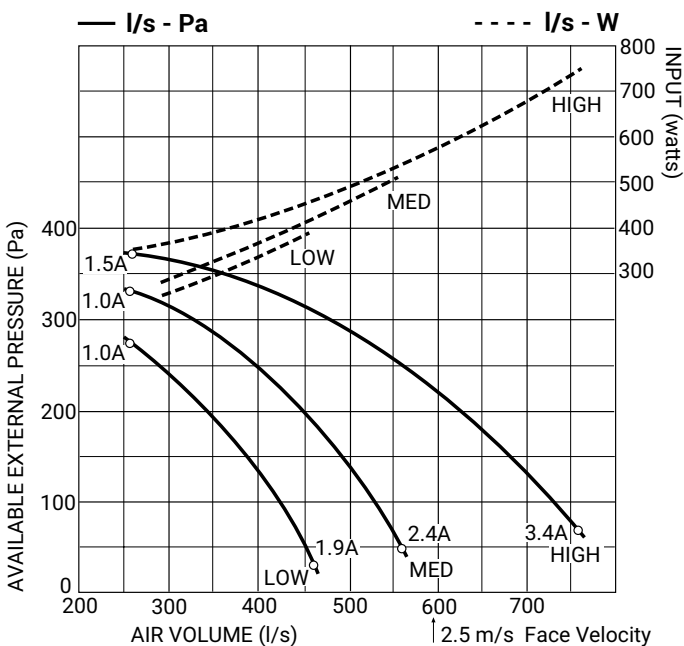
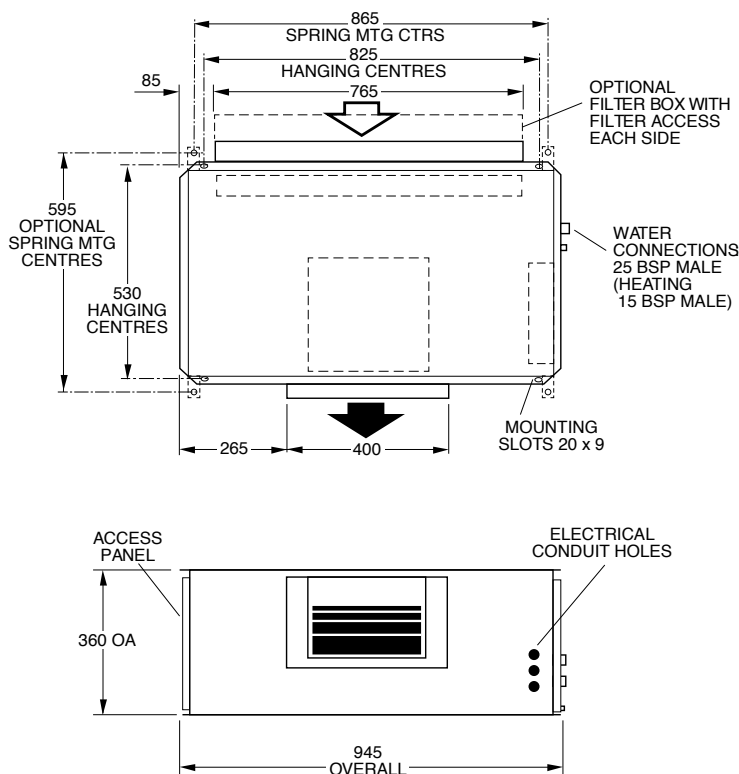
Performance Data

IMD 135

Air Handling

- Notes:**
1. Air flows given are for a unit with no filter installed.
 2. In a free blown application, beware of exceeding indoor fan motor's full load amp limit.
 3. Airflows are for dry coil. Reduce airflow by 10% in high moisture removal conditions. Refer to page 70 for filter pressure drop.

Dimensions



Sound Levels

Sound levels are specified as in-situ conditions. For more information and adjustment factors for your specific installation please find supplementary booklets under the relevant units on our website www.temperzone.com

Fan Speed	Sound Power Levels (SWL) (dB)						
	dB(A)	Octave Band Centre Frequency (Hz)					
		125	250	500	1K	2K	4K
Low	50	58	56	46	37	31	30
Med	54	61	61	51	42	36	36
High	60	67	67	56	49	42	42

IMD 170

				Low Air flow			Medium Air flow			Nominal Air flow		
4 row chilled water coil				350 L/s			550 L/s			750 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.3	9.3	total	7.5	6.9	6.3	9.2	8.5	7.7	10.3	9.5	8.8
			sensible	5.3	5.1	4.8	7.2	6.8	6.5	8.7	8.4	8.0
	0.45	19.4	total	8.3	7.6	6.9	10.6	9.7	8.9	12.3	11.3	10.3
			sensible	5.7	5.4	5.1	7.7	7.4	7.0	9.5	9.1	8.6
	0.6	33.4	total	8.8	8.0	7.3	11.6	10.6	9.7	13.8	12.6	11.5
			sensible	5.9	5.6	5.2	8.2	7.8	7.4	10.1	9.6	9.2
27/19	0.3	9.3	total	9.2	8.6	8.0	11.2	10.5	9.7	12.6	11.8	11.0
			sensible	6.6	6.3	6.1	8.9	8.6	8.3	10.8	10.5	10.2
	0.45	19.4	total	10.2	9.5	8.8	13.1	12.2	11.3	15.1	14.0	13.0
			sensible	7.0	6.7	6.4	9.6	9.3	8.9	11.8	11.4	11.0
	0.6	33.4	total	10.8	10.0	9.3	14.2	13.3	12.3	16.9	15.7	14.6
			sensible	7.3	7.0	6.6	10.1	9.7	9.3	12.5	12.0	11.6
31/21	0.3	9.3	total	11.0	10.4	9.8	13.4	12.7	11.9	15.0	14.1	13.3
			sensible	7.8	7.6	7.3	10.6	10.3	10.0	12.9	12.6	12.3
	0.45	19.4	total	12.2	11.5	10.8	15.6	14.7	13.8	18.0	16.9	15.9
			sensible	8.3	8.0	7.8	11.4	11.1	10.7	14.0	13.6	13.2
	0.6	33.4	total	12.9	12.2	11.4	17.0	16.0	15.0	20.2	18.9	17.8
			sensible	8.6	8.3	8.0	12.0	11.6	11.2	14.8	14.4	13.9
35/24	0.3	9.3	total	13.9	13.2	12.5	16.7	15.8	15.0	18.4	17.5	16.6
			sensible	8.8	8.5	8.3	11.7	11.4	11.1	14.2	13.9	13.6
	0.45	19.4	total	15.5	14.8	14.0	19.6	18.6	17.7	22.4	21.3	20.2
			sensible	9.4	9.1	8.8	12.7	12.4	12.1	15.5	15.1	14.8
	0.6	33.4	total	16.5	15.7	15.0	21.6	20.6	19.5	25.2	23.9	22.7
			sensible	9.8	9.5	9.2	13.5	13.1	12.7	16.5	16.0	15.6
1 row heating water coil												
Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
7	0.06	4.5	heat	6.4	8.6	10.8	7.3	9.9	12.4	8.0	10.7	13.4
	0.12	13.4	heat	7.8	10.5	13.2	9.5	12.9	16.2	10.8	14.6	18.3
	0.18	31.4	heat	8.5	11.4	14.6	10.7	14.4	18.2	12.4	16.7	21.0
15	0.06	4.5	heat	5.2	7.4	9.6	5.9	8.5	11.0	6.4	9.2	11.9
	0.12	15.4	heat	6.3	9.0	11.7	7.7	11.1	14.4	8.8	12.5	16.3
	0.18	31.4	heat	7.0	9.8	12.7	8.7	12.4	16.1	10.0	14.4	18.7
21	0.06	4.5	heat	4.3	6.4	8.7	4.9	7.4	10.0	5.3	8.1	10.9
	0.12	15.4	heat	5.2	7.9	10.5	6.4	9.7	13.0	7.3	11.0	14.8
	0.18	31.4	heat	5.6	8.6	11.5	7.2	10.9	14.6	8.3	12.6	16.9

Performance Data

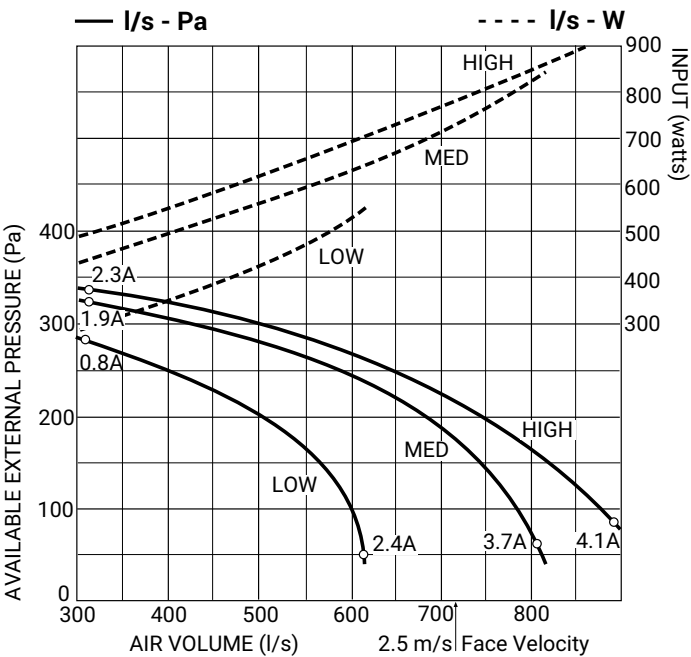
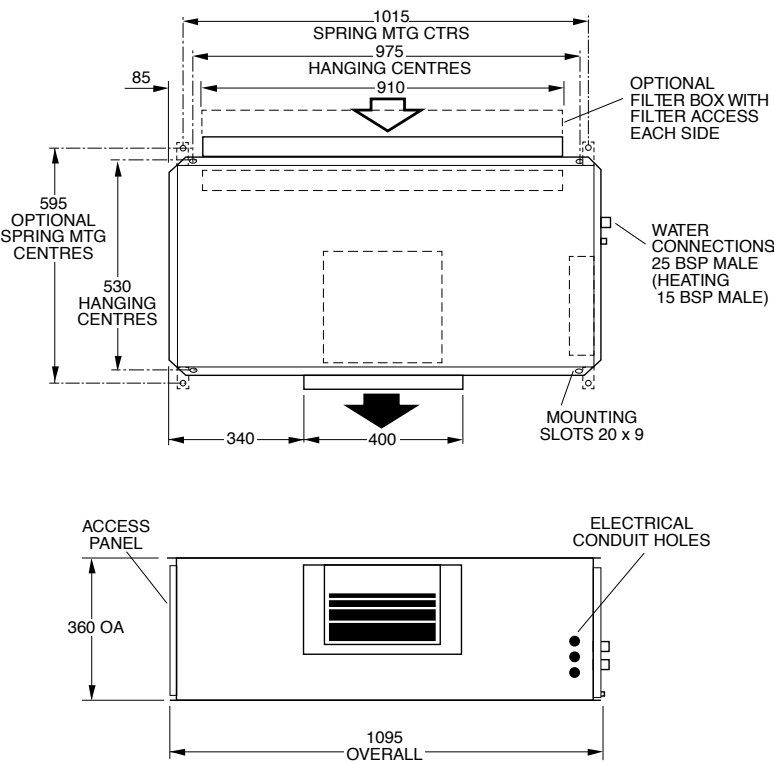
IMD 170

Air Handling

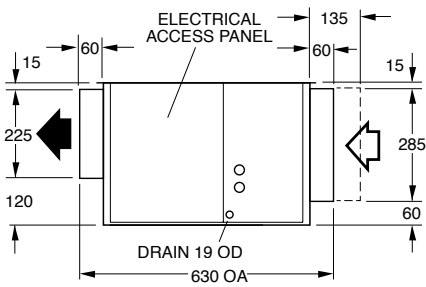
Notes:

1. Air flows given are for a unit with no filter installed.
2. In a free blown application, beware of exceeding indoor fan motor's full load amp limit.
3. Airflows are for dry coil. Reduce airflow by 10% in high moisture removal conditions. Refer to page 70 for filter pressure drop.

Dimensions



FAN ACCESS VIA
REMOVEABLE BASE
& DRAIN TRAY
OR VIA TOP PANEL



Sound Levels

Sound levels are specified as in-situ conditions. For more information and adjustment factors for your specific installation please find supplementary booklets under the relevant units on our website www.temperzone.com

Fan Speed	Sound Power Levels (SWL) (dB)						
	dB(A)	Octave Band Centre Frequency (Hz)					
		125	250	500	1K	2K	4K
Low	54	57	59	54	44	37	37
Med	61	63	66	59	53	45	45
High	63	65	69	61	56	47	47

IMD 210

				Low Air flow			Medium Air flow			Nominal Air flow		
4 row chilled water coil				400 L/s			650 L/s			900 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.4	9.5	total	8.9	8.2	7.5	11.3	10.3	9.4	12.8	11.8	10.7
			sensible	6.2	5.9	5.6	8.6	8.2	7.8	10.6	10.1	9.7
	0.6	19.6	total	9.7	8.9	8.1	12.9	11.8	10.8	15.2	13.9	12.7
			sensible	6.6	6.2	5.9	9.3	8.8	8.4	11.5	11.0	10.5
	0.8	33.5	total	10.2	9.4	8.6	14.0	12.8	11.7	16.8	15.4	14.0
			sensible	6.8	6.5	6.1	9.8	9.3	8.8	12.2	11.6	11.0
27/19	0.4	9.5	total	10.9	10.2	9.4	13.8	12.9	11.9	15.6	14.7	13.6
			sensible	7.7	7.4	7.1	10.7	10.3	9.9	13.1	12.8	12.4
	0.6	19.6	total	11.9	11.1	10.4	15.8	14.8	13.7	18.6	17.3	16.1
			sensible	8.2	7.8	7.5	11.5	11.1	10.6	14.3	13.8	13.3
	0.8	33.5	total	12.6	10.7	10.9	17.2	16.0	14.8	20.6	19.2	17.7
			sensible	8.5	8.1	7.7	12.1	11.6	11.1	15.1	14.5	14.0
31/21	0.4	9.5	total	13.1	12.3	11.6	16.4	15.5	14.5	18.6	17.6	16.4
			sensible	9.2	8.9	8.5	12.7	12.3	12.0	15.7	15.3	14.9
	0.6	19.6	total	14.3	13.6	12.7	19.0	17.9	16.7	22.2	20.8	19.7
			sensible	9.7	9.4	9.0	13.7	13.3	12.8	17.0	16.5	16.1
	0.8	33.5	total	15.1	14.3	13.4	20.6	19.4	18.2	24.6	23.1	21.8
			sensible	10.0	9.7	9.3	14.3	13.9	13.4	17.9	17.4	16.9
35/24	0.4	9.5	total	16.6	15.8	14.9	20.5	19.5	18.5	22.9	21.8	20.5
			sensible	10.3	10.0	9.7	14.1	13.7	13.4	17.2	16.9	16.6
	0.6	19.6	total	18.3	17.4	16.5	23.8	22.7	21.5	27.6	26.3	24.9
			sensible	11.0	10.7	10.3	15.3	14.9	14.4	18.8	18.4	17.9
	0.8	33.5	total	19.3	18.4	17.5	26.1	24.9	23.6	30.9	29.4	27.8
			sensible	11.4	11.0	10.7	16.2	15.7	15.2	20.0	19.5	18.9
1 row hot water coil												
Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
7	0.08	8.4	heat	7.8	10.5	13.2	9.2	12.4	15.6	10.1	13.6	17.1
	0.12	17.3	heat	8.7	11.7	14.7	10.8	14.5	18.3	12.2	16.4	20.7
	0.16	28.8	heat	9.3	12.6	15.8	11.8	16.0	20.1	13.6	18.3	23.0
15	0.08	8.4	heat	6.3	9.0	11.7	7.4	10.6	13.9	8.2	11.7	15.2
	0.12	17.3	heat	7.1	10.1	13.1	8.7	12.5	16.2	9.9	14.1	18.3
	0.16	28.8	heat	7.7	10.8	14.0	9.6	13.7	17.8	11.0	15.7	20.4
21	0.08	8.4	heat	5.2	7.9	10.6	6.2	9.4	12.5	6.8	10.3	13.8
	0.12	17.3	heat	5.8	8.8	11.8	7.2	11.0	14.7	8.2	12.4	16.6
	0.16	28.8	heat	6.4	9.5	12.7	8.2	12.0	16.1	9.1	13.8	18.5

Performance Data

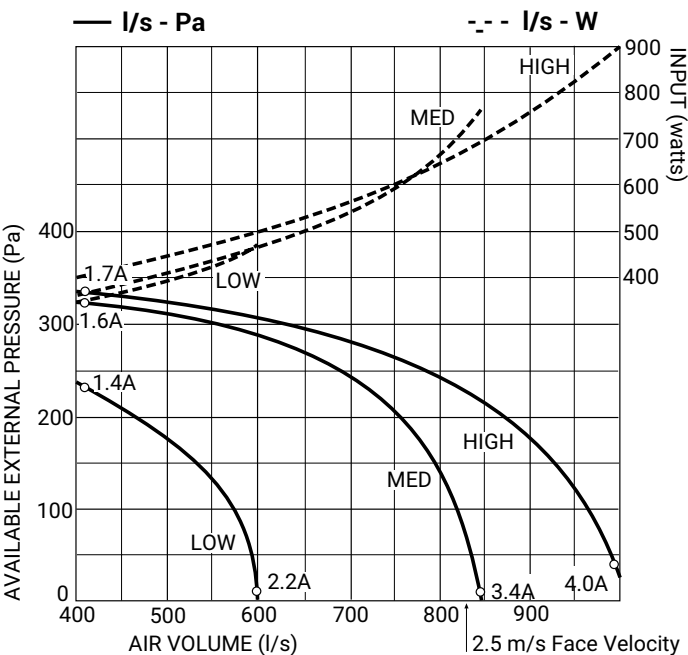
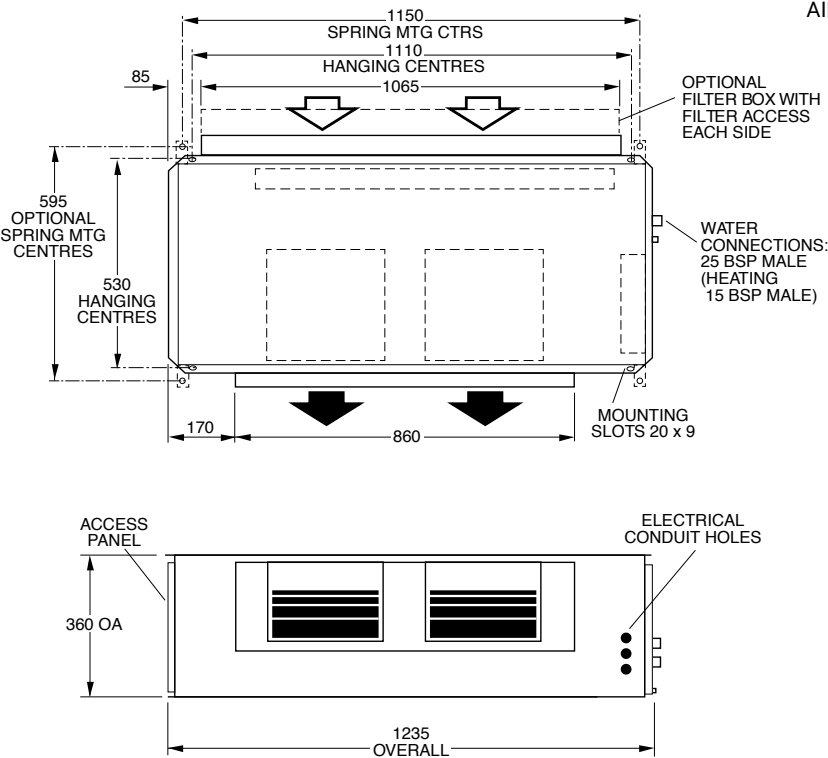
IMD 210

Air Handling

Notes:

1. Air flows given are for a unit with no filter installed.
2. In a free blown application, beware of exceeding indoor fan motor's full load amp limit.
3. Airflows are for dry coil. Reduce airflow by 10% in high moisture removal conditions. Refer to page 70 for filter pressure drop.

Dimensions



Sound Levels

Sound levels are specified as in-situ conditions. For more information and adjustment factors for your specific installation please find supplementary booklets under the relevant units on our website www.temperzone.com

Fan Speed	Sound Power Levels (SWL) (dB)						
	dB(A)	Octave Band Centre Frequency (Hz)					
		125	250	500	1K	2K	4K
Low	51	54	54	51	41	34	31
Med	57	61	62	56	50	42	41
High	61	64	65	59	55	46	45

IMD 280

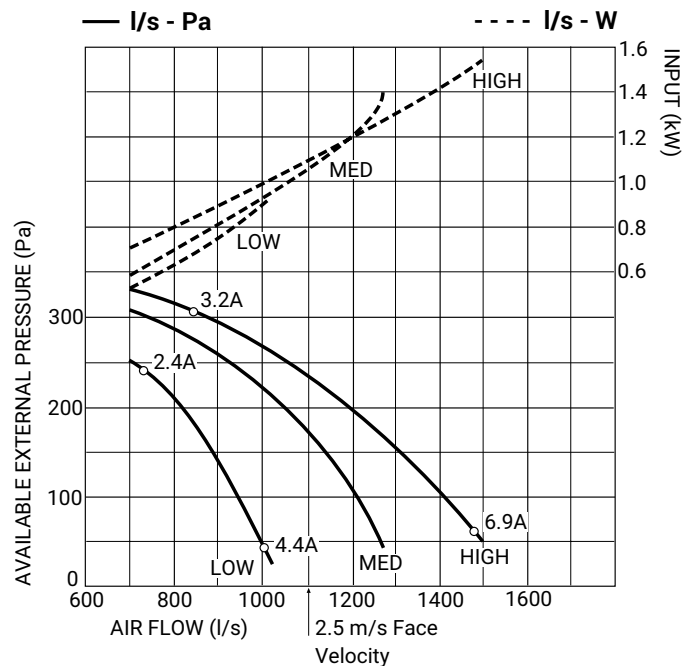
				Low Air flow			Medium Air flow			Nominal Air flow		
4 row chilled water coil				600 L/s			900 L/s			1200 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.6	7.0	total	12.8	11.7	10.7	15.5	14.2	13.0	17.4	16.0	14.6
			sensible	9.1	8.6	8.2	11.9	11.3	10.8	14.2	13.7	13.1
	1.0	17.8	total	14.5	13.2	12.0	18.3	16.8	15.3	21.2	19.5	17.7
			sensible	9.8	9.3	8.7	13.0	12.4	11.7	15.8	15.0	14.3
	1.4	33.1	total	15.2	13.9	12.7	19.9	18.3	16.6	23.6	21.7	19.7
			sensible	10.2	9.6	9.1	13.7	13.0	12.3	16.8	16.0	15.2
27/19	0.6	7.0	total	15.7	14.6	13.5	19.0	17.7	16.4	21.2	19.8	18.4
			sensible	11.2	10.8	10.3	14.7	14.2	13.7	17.7	17.2	16.6
	1.0	17.8	total	17.7	16.5	15.3	22.4	20.9	19.3	26.0	24.2	22.4
			sensible	12.1	11.6	11.1	16.1	15.5	14.9	19.6	18.9	18.2
	1.4	33.1	total	18.7	17.4	16.2	24.4	22.8	21.1	29.0	27.0	25.0
			sensible	12.6	12.0	11.4	17.0	16.3	15.6	20.8	20.0	19.2
31/21	0.6	7.0	total	18.8	17.7	16.6	22.7	21.3	20.0	25.4	23.9	22.4
			sensible	13.4	12.9	12.5	17.5	17.0	16.5	21.1	20.6	20.0
	1.0	17.8	total	21.2	20.0	18.7	26.9	25.3	23.7	31.1	29.3	27.5
			sensible	14.4	13.9	13.3	19.2	18.5	17.9	23.3	22.6	21.9
	1.4	33.1	total	22.5	21.2	19.9	29.3	27.6	25.9	34.7	32.7	30.6
			sensible	14.9	14.4	13.8	20.2	19.5	18.8	24.7	23.9	23.1
35/24	0.6	7.0	total	23.7	22.5	21.4	28.3	26.9	25.5	31.4	29.8	28.3
			sensible	15.0	14.5	14.1	19.4	19.0	18.5	23.3	22.8	22.3
	1.0	17.8	total	26.9	25.7	24.3	33.9	32.2	30.6	38.9	37.0	35.0
			sensible	16.3	15.7	15.2	21.5	20.9	20.2	25.9	25.2	24.5
	1.4	33.1	total	28.7	27.4	26.1	37.2	35.6	33.7	43.8	41.7	39.5
			sensible	17.0	16.5	15.9	22.7	22.1	21.4	26.6	26.9	26.1
1 row hot water coil												
Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
7	0.2	2.8	heat	12.5	16.9	21.2	14.8	20.0	25.2	16.6	22.4	28.2
	0.4	9.6	heat	14.1	19.0	23.9	17.5	23.6	29.7	20.1	27.1	34.1
	0.6	20.2	heat	15.0	20.2	25.4	18.9	25.6	32.2	22.1	29.8	37.5
15	0.2	2.8	heat	9.9	15.1	18.5	11.8	16.9	22.0	13.3	18.9	24.6
	0.4	9.6	heat	12.2	17.0	20.8	13.9	19.9	25.9	16.0	22.9	29.8
	0.6	20.2	heat	13.0	18.1	22.1	15.1	21.5	28.0	17.6	25.2	32.7
21	0.2	2.8	heat	8.2	12.5	16.8	9.8	14.9	19.9	10.9	16.6	22.3
	0.4	9.6	heat	9.3	14.0	18.8	11.5	17.5	23.4	13.2	20.1	26.9
	0.6	20.2	heat	9.8	14.9	20.0	12.5	18.9	25.3	14.5	22.1	29.6

Performance Data

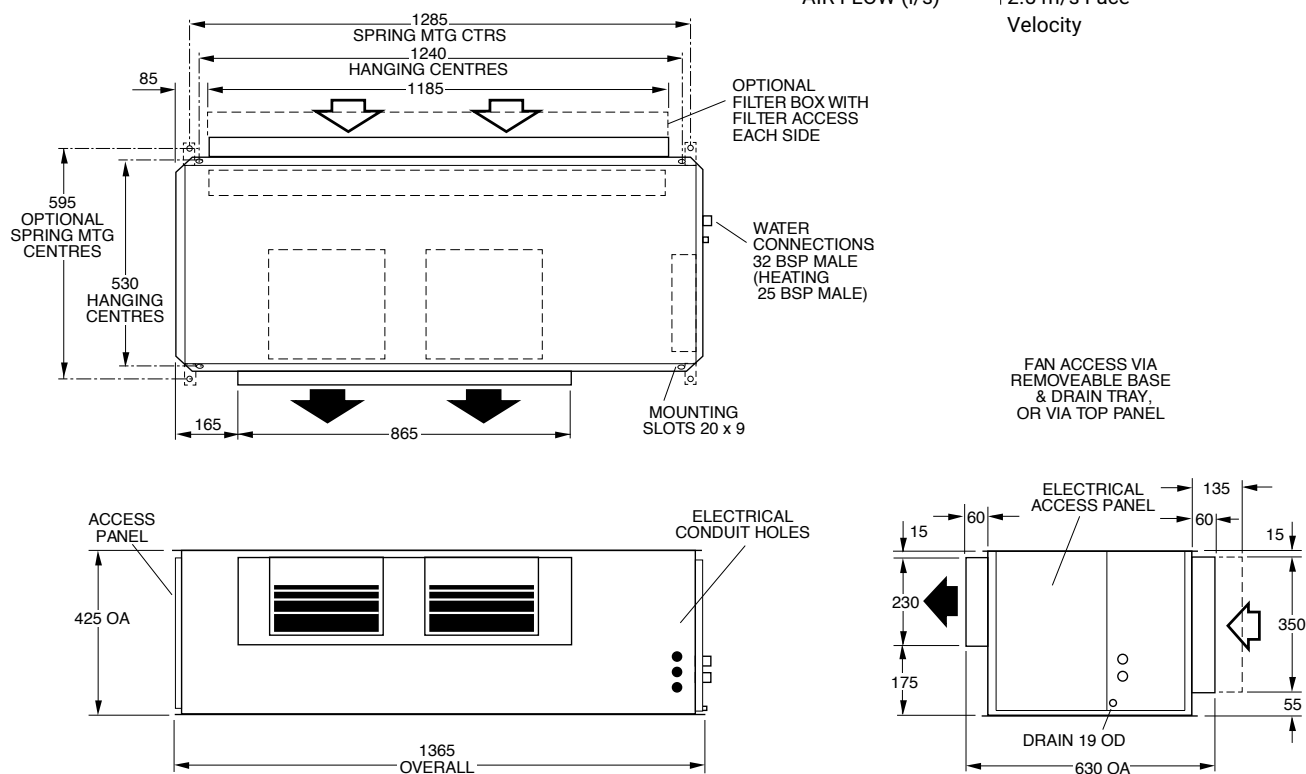
IMD 280

Air Handling

- Notes:**
1. Air flows given are for a unit with no filter installed.
 2. In a free blown application, beware of exceeding indoor fan motor's full load amp limit.
 3. Airflows are for dry coil. Reduce airflow by 10% in high moisture removal conditions. Refer to page 70 for filter pressure drop.



Dimensions



Sound Levels

Sound levels are specified as in-situ conditions. For more information and adjustment factors for your specific installation please find supplementary booklets under the relevant units on our website www.temperzone.com

Fan Speed	Sound Power Levels (SWL) (dB)						
	dB(A)	Octave Band Centre Frequency (Hz)					
		125	250	500	1K	2K	4K
Low	54	61	58	50	47	42	39
Med	58	65	62	54	51	46	43
High	59	66	63	55	52	47	45

IMD 420

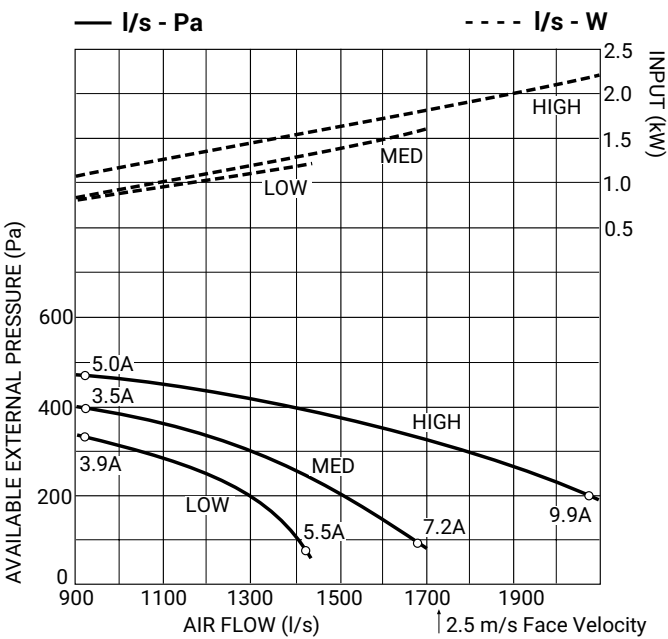
				Low Air flow			Medium Air flow			Nominal Air flow		
4 row chilled water coil				1000 L/s			1400 L/s			1800 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	1.0	3.9	total	20.4	18.8	17.1	23.9	21.9	19.9	26.4	24.4	22.2
			sensible	14.7	14.0	13.3	18.3	17.5	16.7	21.5	20.7	19.8
	2.0	13.9	total	23.8	21.9	19.9	29.2	26.8	24.4	33.6	31.1	28.2
			sensible	16.2	15.4	14.5	20.6	19.6	18.6	24.5	23.4	22.2
	3.0	29.8	total	25.3	23.3	21.2	32.0	29.3	26.7	37.4	34.5	31.2
			sensible	16.9	16.0	15.1	21.8	20.7	19.5	26.1	24.8	23.4
27/19	1.0	3.9	total	25.0	23.3	21.6	29.1	27.2	25.2	32.1	30.2	27.9
			sensible	18.2	17.5	16.8	22.8	22.0	21.2	26.7	26.0	25.1
	2.0	13.9	total	29.3	27.3	25.3	35.8	33.4	30.9	41.6	38.6	35.6
			sensible	20.0	19.2	18.3	25.5	24.5	23.5	30.5	29.3	28.1
	3.0	29.8	total	31.2	29.1	27.0	39.4	36.7	34.0	46.2	43.1	40.1
			sensible	20.9	20.0	19.1	27.0	25.9	24.7	32.4	31.1	29.9
31/21	1.0	3.9	total	29.9	28.2	26.5	34.8	32.8	30.7	38.6	36.0	34.0
			sensible	21.6	20.9	20.3	27.1	26.3	25.6	32.0	31.0	30.3
	2.0	13.9	total	35.1	33.1	31.0	43.0	40.5	38.0	49.5	46.4	43.7
			sensible	23.8	23.0	22.1	30.3	29.3	28.3	36.1	34.9	33.9
	3.0	29.8	total	37.5	35.3	33.2	47.3	44.6	41.8	55.3	52.3	49.2
			sensible	24.9	23.9	23.0	32.2	31.0	29.8	38.4	37.2	36.0
35/24	1.0	3.9	total	37.7	35.9	34.0	43.4	41.3	39.1	47.4	45.1	42.8
			sensible	24.2	23.5	22.9	30.0	29.3	28.6	35.1	34.4	33.6
	2.0	13.9	total	44.6	42.5	40.6	54.5	51.8	49.2	62.1	59.0	56.0
			sensible	27.0	26.1	25.3	34.1	33.1	32.1	40.2	39.1	38.0
	3.0	29.8	total	48.1	45.9	43.6	60.1	57.3	54.4	70.2	66.7	63.2
			sensible	28.4	27.5	26.5	36.3	35.2	34.0	43.2	41.9	40.7
1 row hot water coil												
Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
7	0.3	3.9	heat	20.0	27.0	34.0	23.1	31.1	39.2	25.4	34.3	43.2
	0.6	12.2	heat	22.9	30.9	38.9	27.5	37.1	46.7	31.0	41.8	52.6
	0.9	27.4	heat	24.5	33.0	41.5	29.8	40.3	50.7	34.1	46.0	57.9
15	0.3	3.9	heat	16.2	23.2	30.1	18.7	26.7	34.8	20.7	29.5	38.4
	0.6	12.2	heat	18.5	26.5	34.4	22.3	31.8	41.4	25.1	35.9	46.6
	0.9	27.4	heat	19.8	28.3	36.8	24.2	34.5	44.9	27.6	39.5	51.3
21	0.3	3.9	heat	13.4	20.3	27.3	15.5	23.5	31.5	17.0	25.9	34.7
	0.6	12.2	heat	15.3	23.2	31.1	18.4	27.9	37.4	20.7	31.5	42.2
	0.9	27.4	heat	16.3	24.8	33.2	19.9	30.2	40.5	22.8	34.6	46.4

Performance Data

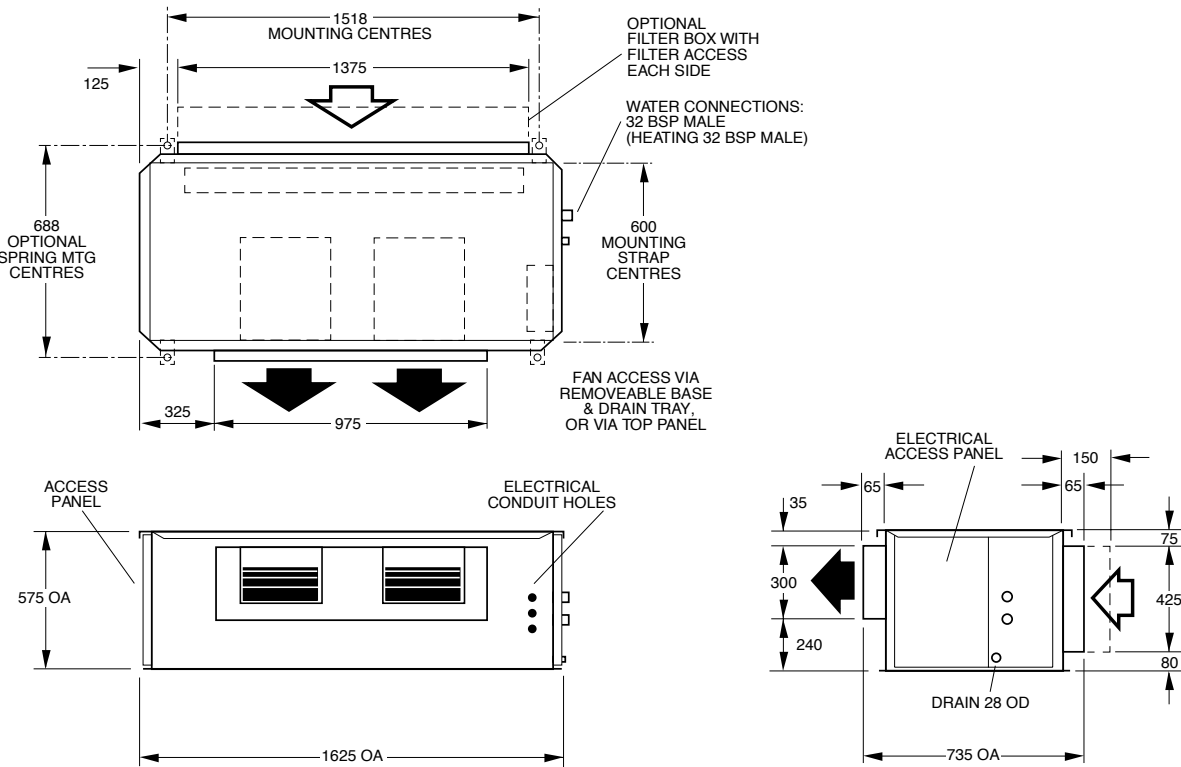
IMD 420

Air Handling

- Notes:**
1. Air flows given are for a unit with no filter installed.
 2. In a free blown application, beware of exceeding indoor fan motor's full load amp limit.
 3. Airflows are for dry coil. Reduce airflow by 10% in high moisture removal conditions. Refer to page 70 for filter pressure drop.



Dimensions



Sound Levels

Sound levels are specified as in-situ conditions. For more information and adjustment factors for your specific installation please find supplementary booklets under the relevant units on our website www.temperzone.com

Fan Speed	Sound Power Levels (SWL) (dB)						
	dB(A)	Octave Band Centre Frequency (Hz)					
		125	250	500	1K	2K	4K
Low	53	58	56	52	45	39	35
Med	58	63	61	57	49	44	41
High	65	69	68	64	56	51	49

IMD 550

				Low Air flow			Medium Air flow			Nominal Air flow		
4 row chilled water coil				1300 L/s			1800 L/s			2350 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	2.0	9.5	total	29.5	27.1	24.6	35.2	32.5	29.3	40.5	37.2	33.8
			sensible	20.4	19.3	18.3	25.5	24.3	23.1	30.5	29.1	27.7
	3.0	20.6	total	31.7	29.3	26.6	39.3	36.1	32.8	46.1	42.3	38.5
			sensible	21.4	20.3	19.2	27.3	25.9	24.5	32.9	31.2	29.6
	4.0	32.8	total	33.2	30.5	27.8	41.6	38.2	34.7	49.5	45.2	41.4
			sensible	22.1	20.9	19.7	28.3	26.8	25.3	34.3	32.5	30.8
27/19	2.0	9.5	total	36.2	33.7	31.2	43.5	40.5	37.4	49.5	46.1	43.0
			sensible	25.2	24.2	23.1	31.7	30.5	29.2	37.8	36.4	35.2
	3.0	20.6	total	39.2	36.6	33.9	48.2	45.0	41.6	56.7	52.8	48.8
			sensible	26.6	25.4	24.3	33.7	32.3	31.0	40.7	39.1	37.5
	4.0	32.8	total	40.8	38.1	35.3	51.1	47.8	44.1	60.6	56.2	52.3
			sensible	27.3	26.1	24.9	35.0	33.5	32.0	42.3	40.5	38.9
31/21	2.0	9.5	total	43.3	40.9	38.3	52.0	49.0	45.9	59.5	56.0	52.1
			sensible	30.0	28.9	27.9	37.6	36.5	35.3	45.1	43.7	42.3
	3.0	20.6	total	47.1	44.4	41.7	57.9	54.4	51.1	67.7	63.6	59.6
			sensible	31.6	30.4	29.2	40.1	38.7	37.3	48.2	46.7	45.1
	4.0	32.8	total	49.1	46.3	43.5	61.6	58.1	54.5	73.1	68.6	64.5
			sensible	32.5	31.2	30.0	41.6	40.1	38.7	50.4	48.6	47.0
35/24	2.0	9.5	total	55.1	52.6	49.9	65.5	62.3	59.0	74.1	70.4	66.7
			sensible	33.9	32.8	31.8	42.1	40.9	39.8	50.0	48.7	47.5
	3.0	20.6	total	60.0	57.2	54.3	73.6	70.1	66.5	85.3	81.2	76.9
			sensible	35.8	34.7	33.5	45.2	43.8	42.5	54.1	52.5	51.0
	4.0	32.8	total	62.7	60.0	57.0	78.5	74.7	70.9	92.5	88.0	83.5
			sensible	37.0	35.9	34.6	47.1	45.7	44.2	56.8	55.1	53.4
1 row hot water coil												
Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
7	0.4	4.5	heat	26.2	34.1	44.5	30.1	40.6	51.1	33.4	45.1	56.8
	0.8	15.4	heat	30.0	39.0	50.9	35.8	48.3	60.8	40.7	54.9	69.1
	1.2	31.5	heat	32.0	41.7	54.3	38.7	52.2	65.7	44.8	60.4	76.1
15	0.4	4.5	heat	21.2	30.4	39.4	24.4	34.9	45.4	27.2	38.8	50.4
	0.8	15.4	heat	24.3	34.6	45.1	29.0	41.4	53.9	33.0	47.1	61.3
	1.2	31.5	heat	25.9	37.0	48.1	31.5	45.0	58.5	36.3	51.9	67.4
21	0.4	4.5	heat	17.5	26.6	35.7	20.2	30.6	41.1	22.5	34.0	45.6
	0.8	15.4	heat	20.0	30.4	40.7	24.0	36.3	48.7	27.2	41.3	55.4
	1.2	31.5	heat	21.4	32.4	43.5	26.0	39.4	52.8	30.0	45.4	60.9

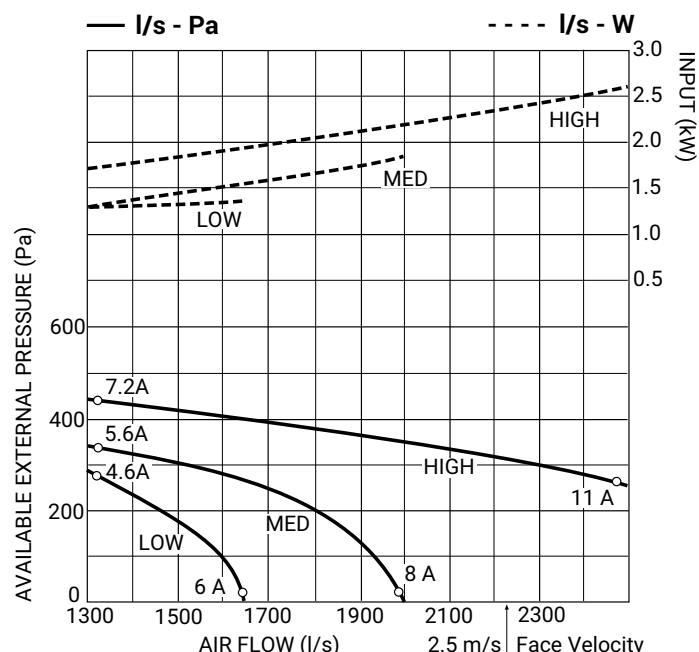
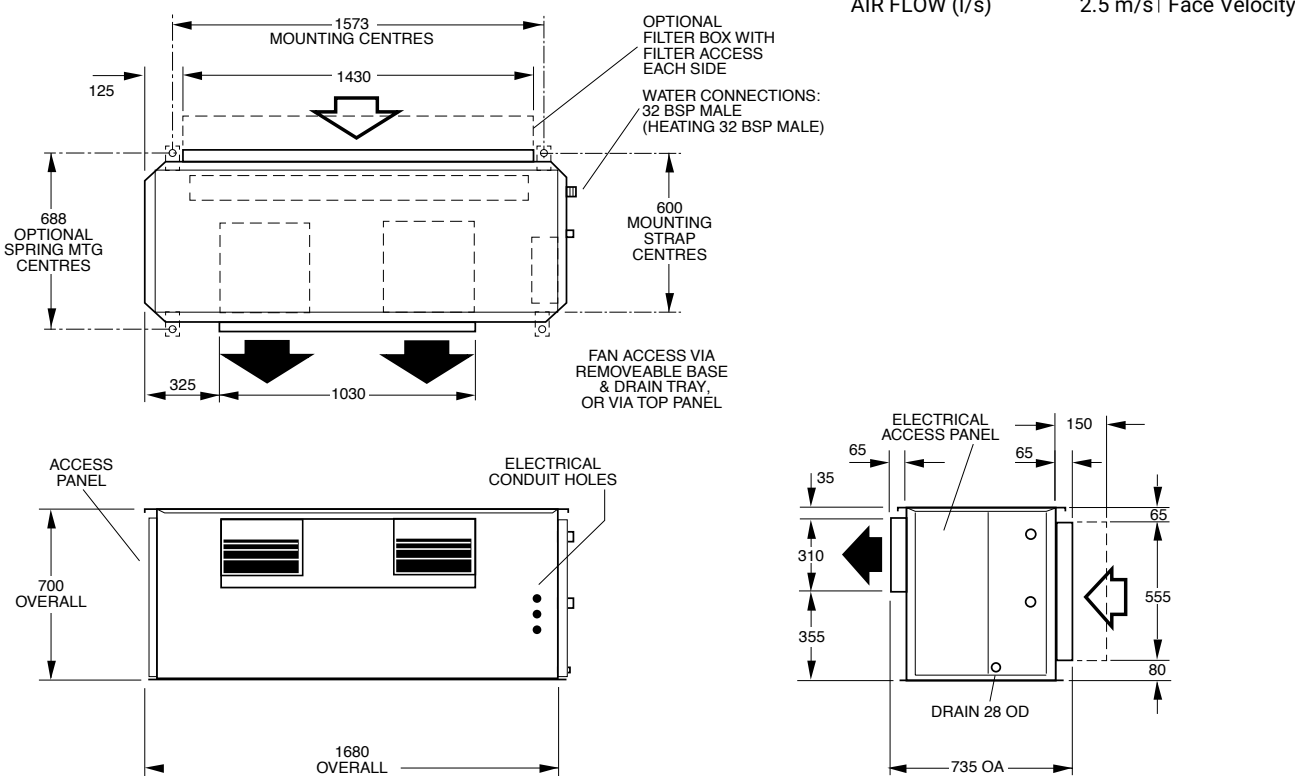
Performance Data

IMD 550

Air Handling

- Notes:**
1. Air flows given are for a unit with no filter installed.
 2. In a free blown application, beware of exceeding indoor fan motor's full load amp limit.
 3. Airflows are for dry coil. Reduce airflow by 10% in high moisture removal conditions. Refer to page 70 for filter pressure drop.

Dimensions



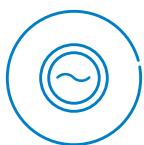
Sound Levels

Sound levels are specified as in-situ conditions. For more information and adjustment factors for your specific installation please find supplementary booklets under the relevant units on our website www.temperzone.com

Fan Speed	Sound Power Levels (SWL) (dB)						
	dB(A)	Octave Band Centre Frequency (Hz)					
		125	250	500	1K	2K	4K
Low	57	61	61	57	49	41	39
Med	61	65	65	61	53	46	44
High	66	69	70	66	58	51	49

Premium Range (Compact FCU)

IMD-Y



High Efficiency EC Motor



Electric Heating



Opposite Hand

Premium Range (IMD-Y) Specifications



Model	IMD 95Y	IMD 135Y	IMD 170Y	IMD 210	IMD 280Y	IMD 420Y	IMD 550Y
Nominal Air Flow (l/s) *	450	600	750	900	1250	1800	2350
Fan Type	Forward curved centrifugal double inlet double width						
No. of Fan Scrolls	1	1	1	2	2	2	2
Motor Type	Electronically Commutated (EC) DC direct drive						
Power Source **	1 Phase 230 Volt AC 50 Hz						
No. of Motors	1	1	1	1	1	2	2
Motor Rating (W)	600	900	1250	1250	1250	1250 (x2)	1250 (x2)
Full Load Amps (A) **	3.3	4.9	6.8	6.8	6.8	9 x 2 (18)	9 x 2 (18)
Optional Electric Heating (kW) ***	4	6	6	9	9	12	18
Electric Heat Current (A/ph)	17.6/1ph	8.8/3ph	8.8/3ph	13.2/3ph	13.2/3ph	17.6/3ph	26.4/3ph
Heat Exchanger Type	Epoxy aluminium corrugated plate fins to expanded rifled copper tube						
Cooling/Heating Medium	Chilled Water or Hot Water						
Finish	Zinc galvanised steel						
Test Pressure	2100 kPa						
Connection Sizes Cooling Coil (mm)	Ø 25 (1" BSP)	Ø 25 (1" BSP)	Ø 25 (1" BSP)	Ø 25 (1" BSP)	Ø 32 (1¼" BSP)	Ø 32 (1¼" BSP)	Ø 32 (1¼" BSP)
Connection Sizes Heating Coil (mm)	Ø 15 (½" BSP)	Ø 15 (½" BSP)	Ø 15 (½" BSP)	Ø 15 (½" BSP)	Ø 25 (1" BSP)	Ø 32 (1¼" BSP)	Ø 32 (1¼" BSP)
Optional Air Filter Type	G2 / EU2 Washable						
No. of optional Air Filters	1	1	1	1	2	2	2
Optional Air Filter Size (mm)	593 x 275 x 13	767 x 275 x 13	914 x 275 x 13	1064 x 275 x 13	593 x 345 x 13	685 x 415 x 13	712 x 542 x 13
Weight (4/1) Inc. Water (kg)	54	61	65	76	99	158	183
Nett Dry Weight (kg)	49	55	58	68	88	145	166
Shipping Weight (kg)	55	61	65	76	96	170	196

* with no filters fitted and with a dry coil surface

** Voltage fluctuation limits 200-252V fan motor only excluding electric heat

*** Optional Electric Heating - models IMD135 through IMD550 require a 3 phase AC power supply, 342-436V 50Hz

Cooling and Heating Coil options:

4 Row Cooling only

4 Row Cooling + 1 Row Heating

4 Row Cooling plus Electric Heating

IMD 95Y

				Low Air flow			Medium Air flow			Nominal Air flow		
4 row chilled water coil				250 L/s			350 L/s			450 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.3	7.0	total	5.4	5.0	4.5	6.4	5.9	5.4	7.2	6.7	6.1
			sensible	3.8	3.6	3.4	4.8	4.6	4.3	5.6	5.4	5.2
	0.5	17.6	total	6.0	5.5	5.0	7.4	6.8	6.1	8.5	7.9	7.1
			sensible	4.1	3.9	3.7	5.2	5.0	4.7	6.2	5.9	5.6
	0.7	32.4	total	6.4	5.8	5.3	8.0	7.3	6.7	9.3	8.6	7.8
			sensible	4.3	4.0	3.8	5.5	5.2	4.9	6.5	6.2	5.9
27/19	0.3	7.0	total	6.6	6.2	5.7	7.9	7.4	6.8	8.8	8.2	7.6
			sensible	4.7	4.5	4.3	5.9	5.7	5.5	7.0	6.8	6.6
	0.5	17.6	total	7.4	6.9	6.4	9.1	8.5	7.9	10.6	9.8	9.0
			sensible	5.1	4.8	4.6	6.5	6.2	5.9	7.7	7.4	7.1
	0.7	32.4	total	7.8	7.3	6.8	9.8	9.2	8.5	11.5	10.7	10.0
			sensible	5.2	5.0	4.8	6.8	6.5	6.2	8.1	7.8	7.5
31/21	0.3	7.0	total	8.0	7.5	7.1	9.4	8.9	8.3	10.5	9.9	8.3
			sensible	5.6	5.4	5.3	7.1	6.9	6.6	8.3	8.1	7.9
	0.5	17.6	total	8.9	8.4	7.9	10.9	10.3	9.6	12.5	11.8	11.1
			sensible	6.0	5.8	5.6	7.7	7.4	7.1	9.1	8.8	8.6
	0.7	32.4	total	9.4	8.9	8.3	11.8	11.1	10.4	13.8	13.0	12.2
			sensible	6.2	6.0	5.8	8.0	7.8	7.5	9.6	9.3	9.0
35/24	0.3	7.0	total	10.1	9.6	9.1	11.8	11.2	10.6	13.1	12.4	11.7
			sensible	6.3	6.1	5.9	7.9	7.7	7.5	9.2	9.0	8.8
	0.5	17.6	total	11.3	10.8	10.2	13.9	13.2	12.5	15.8	15.0	14.2
			sensible	6.8	6.6	6.4	8.6	8.4	8.1	10.2	9.9	9.6
	0.7	32.4	total	12.0	11.5	10.9	15.0	14.3	13.6	17.5	16.6	15.7
			sensible	7.1	6.9	6.6	9.1	8.8	8.5	10.8	10.5	10.2
1 row hot water coil												
Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
7	0.04	1.6	heat	4.2	5.7	7.2	4.7	6.4	7.9	5.0	6.8	8.5
	0.12	10.4	heat	5.6	7.5	9.5	6.6	9.0	11.3	7.5	10.0	12.7
	0.2	25.7	heat	6.1	8.2	10.4	7.4	10.0	12.6	8.4	11.4	14.3
15	0.04	1.6	heat	3.4	4.9	6.4	3.8	5.4	7.1	4.1	5.8	7.6
	0.12	10.4	heat	4.5	6.5	8.4	5.4	7.7	10.0	6.0	8.6	11.2
	0.2	25.7	heat	4.9	7.1	9.2	6.0	8.6	11.1	6.8	9.8	12.7
21	0.04	1.6	heat	2.8	4.3	5.8	3.2	4.8	6.4	3.4	5.1	6.9
	0.12	10.4	heat	3.7	5.7	7.6	4.4	6.7	9.0	5.0	7.6	10.1
	0.2	25.7	heat	4.1	6.2	8.3	5.0	7.5	10.1	5.7	8.6	11.5

Performance Data

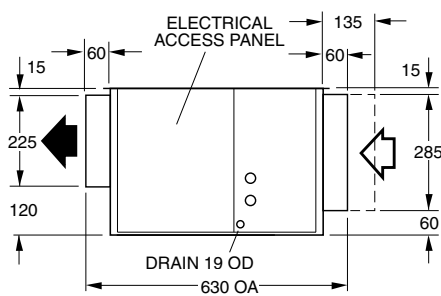
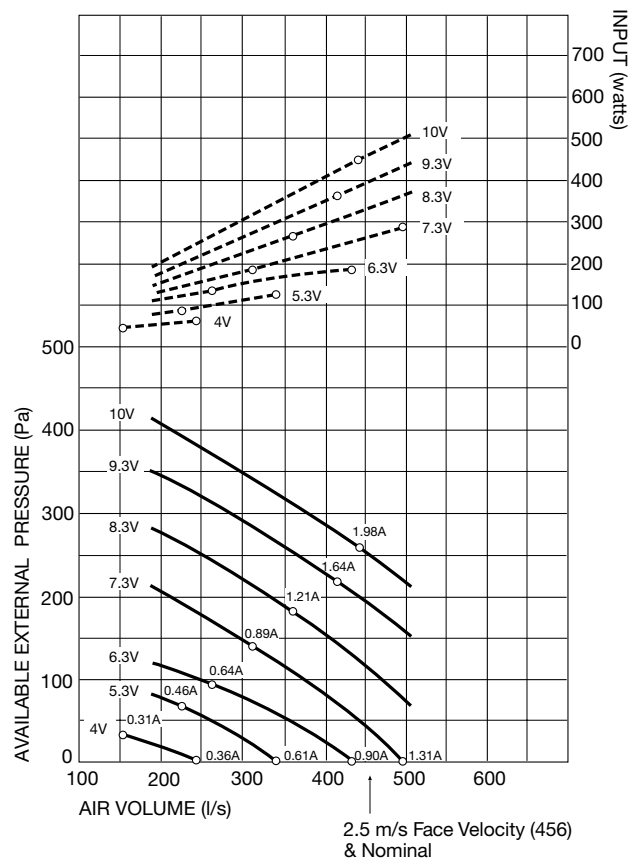
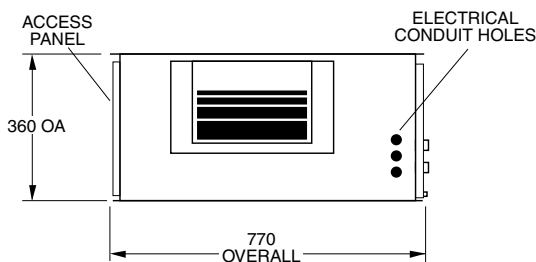
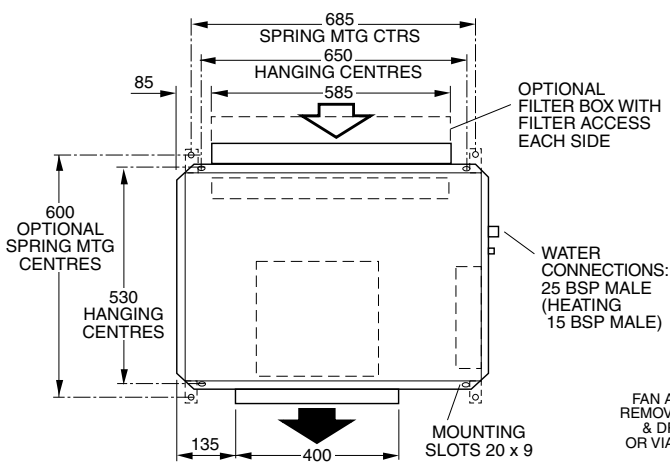
IMD 95Y

Air Handling

Notes:

1. Air flows given are for a unit with no filter installed.
2. In a free blown application, beware of exceeding indoor fan motor's full load amp limit.
3. Airflows are for dry coil. Reduce airflow by 10% in high moisture removal conditions. Refer to page 70 for filter pressure drop.

Dimensions



Sound Levels

Sound levels are specified as in-situ conditions. For more information and adjustment factors for your specific installation please find supplementary booklets under the relevant units on our website www.temperzone.com

Fan Speed	Vdc	RPM	Sound Power Levels (SWL) (dB)						
			dB(A)	Octave Band Centre Frequency (Hz)					
				125	250	500	1K	2K	4K
Low	7.3	1100	48	56	51	45	40	34	33
Med	8.3	1250	52	59	57	49	45	39	39
High	9.3	1400	58	66	63	53	49	45	44

IMD 135Y

				Low Air flow			Medium Air flow			Nominal Air flow		
4 row chilled water coil				300 L/s			450 L/s			600 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.2	4.0	total	5.8	5.3	4.9	6.8	6.3	5.7	7.5	6.8	6.3
			sensible	4.3	4.1	3.9	5.6	5.3	5.1	6.6	9.4	6.2
	0.4	13.9	total	7.0	6.4	5.8	8.7	8.0	7.3	10.1	9.2	8.4
			sensible	4.8	4.6	4.3	6.4	6.0	5.7	7.7	7.3	7.0
	0.6	28.9	total	7.5	6.9	6.3	9.8	9.0	8.2	11.5	10.6	9.6
			sensible	5.1	4.8	4.5	6.8	6.5	6.1	8.3	7.9	7.5
27/19	0.2	4.0	total	7.1	6.6	6.2	8.3	7.7	7.2	9.0	8.4	7.9
			sensible	5.3	5.1	4.9	6.9	6.7	6.5	8.3	8.1	7.9
	0.4	13.9	total	8.6	8.0	7.4	10.7	10.0	9.2	12.3	11.4	10.6
			sensible	5.9	5.7	5.5	7.9	7.6	7.3	9.5	9.2	8.9
	0.6	28.9	total	9.3	8.6	8.0	12.0	11.2	10.4	14.1	13.2	12.2
			sensible	6.3	6.0	5.7	8.4	8.1	7.7	10.3	9.9	9.5
31/21	0.2	4.0	total	8.5	8.0	7.5	9.8	9.3	8.7	10.7	10.1	9.5
			sensible	6.3	6.1	5.9	8.2	8.0	7.8	9.9	9.7	9.5
	0.4	13.9	total	10.3	9.7	9.1	12.8	12.1	11.3	14.7	13.8	12.9
			sensible	7.1	6.8	6.6	9.4	9.1	8.8	11.4	11.0	10.7
	0.6	28.9	total	11.1	10.5	9.8	14.4	13.5	12.7	16.9	15.9	14.9
			sensible	7.4	7.1	6.9	10.0	9.7	9.3	12.2	11.8	11.4
35/24	0.2	4.0	total	10.6	10.1	9.6	12.1	11.6	11.0	13.1	12.5	11.9
			sensible	7.0	6.9	6.7	9.1	8.9	8.7	10.9	10.7	10.5
	0.4	13.9	total	13.0	12.5	11.8	16.1	15.3	14.5	18.2	17.3	16.4
			sensible	8.0	7.7	7.5	10.5	10.2	9.9	12.5	12.2	11.9
	0.6	28.9	total	14.2	13.6	12.9	18.3	17.4	16.5	21.3	20.2	19.2
			sensible	8.5	8.2	7.9	11.3	10.9	10.6	13.6	13.3	12.9
1 row hot water coil												
Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
7	0.04	2.0	heat	4.9	6.6	8.2	5.4	7.3	9.1	5.8	7.8	9.8
	0.12	13.5	heat	6.7	9.1	11.4	8.2	11.1	14.0	9.3	12.5	15.8
	0.2	33.3	heat	7.4	10.0	12.6	9.3	12.6	15.9	10.8	14.5	18.3
15	0.04	2.0	heat	4.0	5.7	7.3	4.4	6.3	8.2	4.7	6.7	8.7
	0.12	13.5	heat	5.5	7.8	10.1	6.7	9.5	12.4	7.6	10.8	10.0
	0.2	33.3	heat	6.0	8.6	11.2	7.54	10.8	14.0	8.7	12.5	16.2
21	0.04	2.0	heat	3.3	5.0	6.6	3.6	5.5	7.4	3.9	5.9	7.8
	0.12	13.5	heat	4.5	6.8	9.2	5.5	8.4	11.2	6.2	9.5	12.7
	0.2	33.3	heat	5.0	7.5	10.1	6.2	9.4	12.7	7.2	10.9	14.7

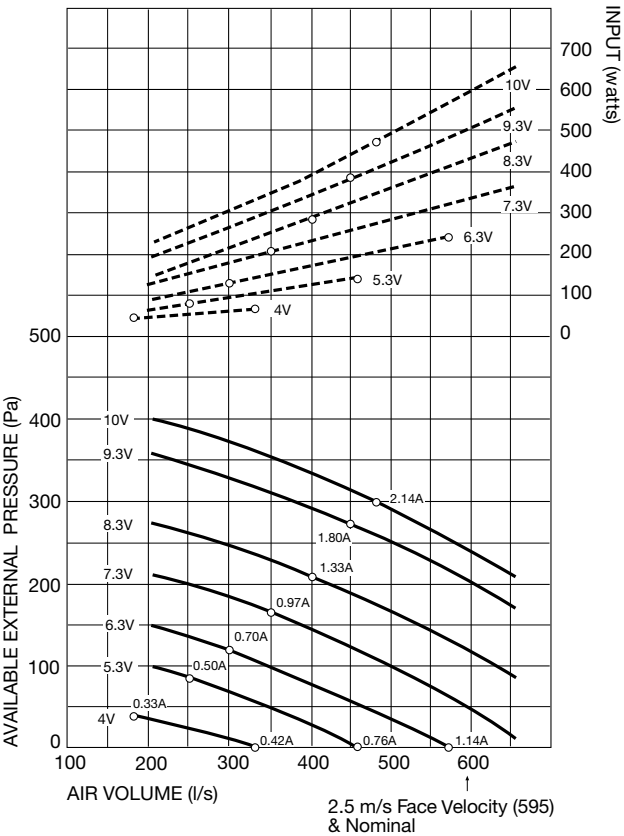
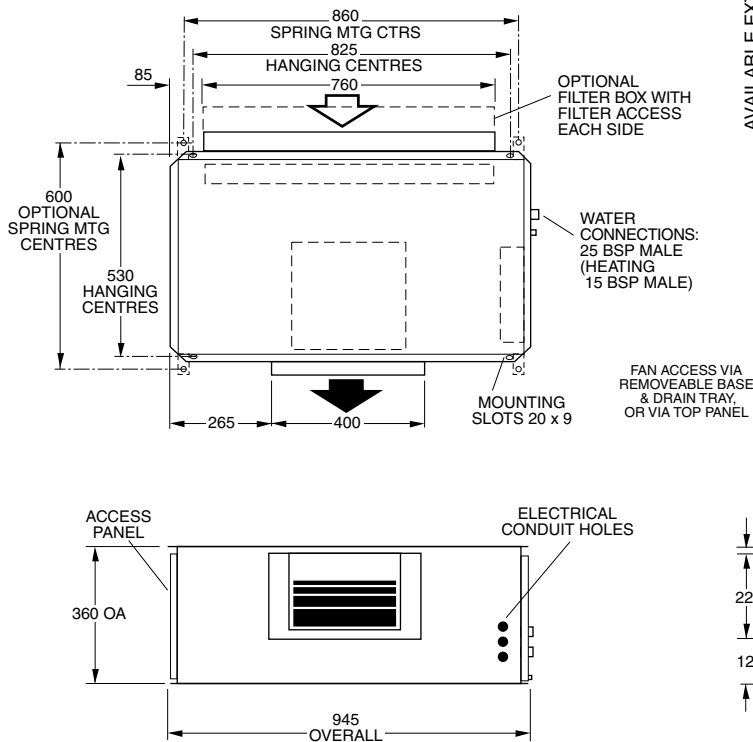
Performance Data

IMD 135Y

Air Handling

- Notes:**
- 1. Air flows given are for a unit with no filter installed.
 - 2. In a free blown application, beware of exceeding indoor fan motor's full load amp limit.
 - 3. Airflows are for dry coil. Reduce airflow by 10% in high moisture removal conditions. Refer to page 70 for filter pressure drop.

Dimensions



Sound Levels

Sound levels are specified as in-situ conditions. For more information and adjustment factors for your specific installation please find supplementary booklets under the relevant units on our website www.temperzone.com

Fan Speed	Vdc	RPM	Sound Power Levels (SWL) (dB)						
			dB(A)	Octave Band Centre Frequency (Hz)					
				125	250	500	1K	2K	4K
Low	7.3	1100	44	53	49	39	34	30	29
Med	8.3	1250	47	56	52	44	38	34	33
High	9.3	1400	52	59	57	49	43	39	39

IMD 170Y

				Low Air flow			Medium Air flow			Nominal Air flow		
4 row chilled water coil				350 L/s			550 L/s			750 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.3	9.3	total	7.5	6.9	6.3	9.2	8.5	7.7	10.3	9.5	8.8
			sensible	5.3	5.1	4.8	7.2	6.8	6.5	8.7	8.4	8.0
	0.45	19.4	total	8.3	7.6	6.9	10.6	9.7	8.9	12.3	11.3	10.3
			sensible	5.7	5.4	5.1	7.7	7.4	7.0	9.5	9.1	8.6
	0.6	33.4	total	8.8	8.0	7.3	11.6	10.6	9.7	13.8	12.6	11.5
			sensible	5.9	5.6	5.2	8.2	7.8	7.4	10.1	9.6	9.2
27/19	0.3	9.3	total	9.2	8.6	8.0	11.2	10.5	9.7	12.6	11.8	11.0
			sensible	6.6	6.3	6.1	8.9	8.6	8.3	10.8	10.5	10.2
	0.45	19.4	total	10.2	9.5	8.8	13.1	12.2	11.3	15.1	14.0	13.0
			sensible	7.0	6.7	6.4	9.6	9.3	8.9	11.8	11.4	11.0
	0.6	33.4	total	10.8	10.0	9.3	14.2	13.3	12.3	16.9	15.7	14.6
			sensible	7.3	7.0	6.6	10.1	9.7	9.3	12.5	12.0	11.6
31/21	0.3	9.3	total	11.0	10.4	9.8	13.4	12.7	11.9	15.0	14.1	13.3
			sensible	7.8	7.6	7.3	10.6	10.3	10.0	12.9	12.6	12.3
	0.45	19.4	total	12.2	11.5	10.8	15.6	14.7	13.8	18.0	16.9	15.9
			sensible	8.3	8.0	7.8	11.4	11.1	10.7	14.0	13.6	13.2
	0.6	33.4	total	12.9	12.2	11.4	17.0	16.0	15.0	20.2	18.9	17.8
			sensible	8.6	8.3	8.0	12.0	11.6	11.2	14.8	14.4	13.9
35/24	0.3	9.3	total	13.9	13.2	12.5	16.7	15.8	15.0	18.4	17.5	16.6
			sensible	8.8	8.5	8.3	11.7	11.4	11.1	14.2	13.9	13.6
	0.45	19.4	total	15.5	14.8	14.0	19.6	18.6	17.7	22.4	21.3	20.2
			sensible	9.4	9.1	8.8	12.7	12.4	12.1	15.5	15.1	14.8
	0.6	33.4	total	16.5	15.7	15.0	21.6	20.6	19.5	25.2	23.9	22.7
			sensible	9.8	9.5	9.2	13.5	13.1	12.7	16.5	16.0	15.6
1 row hot water coil												
Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
7	0.06	4.5	heat	6.4	8.6	10.8	7.3	9.9	12.4	8.0	10.7	13.4
	0.12	13.4	heat	7.8	10.5	13.2	9.5	12.9	16.2	10.8	14.6	18.3
	0.18	31.4	heat	8.5	11.4	14.6	10.7	14.4	18.2	12.4	16.7	21.0
15	0.06	4.5	heat	5.2	7.4	9.6	5.9	8.5	11.0	6.4	9.2	11.9
	0.12	15.4	heat	6.3	9.0	11.7	7.7	11.1	14.4	8.8	12.5	16.3
	0.18	31.4	heat	7.0	9.8	12.7	8.7	12.4	16.1	10.0	14.4	18.7
21	0.06	4.5	heat	4.3	6.4	8.7	4.9	7.4	10.0	5.3	8.1	10.9
	0.12	15.4	heat	5.2	7.9	10.5	6.4	9.7	13.0	7.3	11.0	14.8
	0.18	31.4	heat	5.6	8.6	11.5	7.2	10.9	14.6	8.3	12.6	16.9

Performance Data

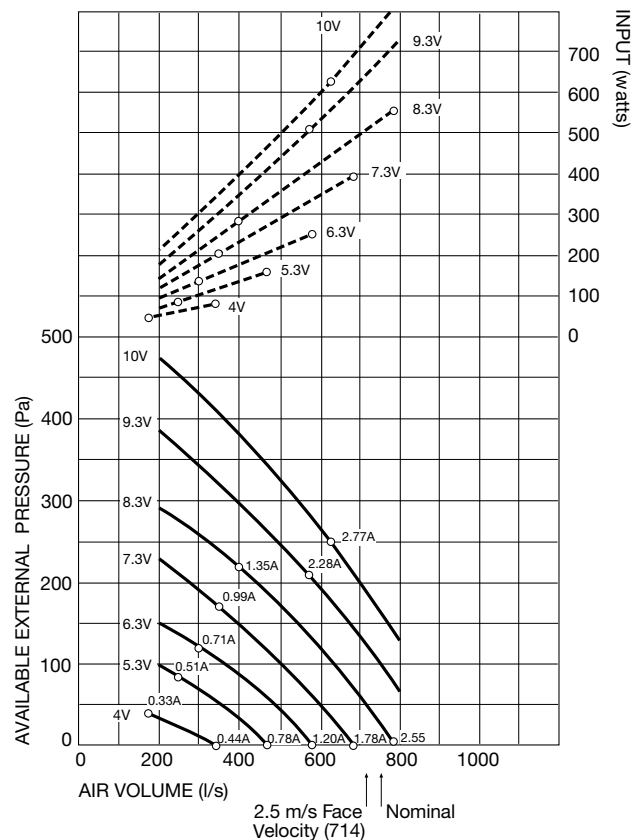
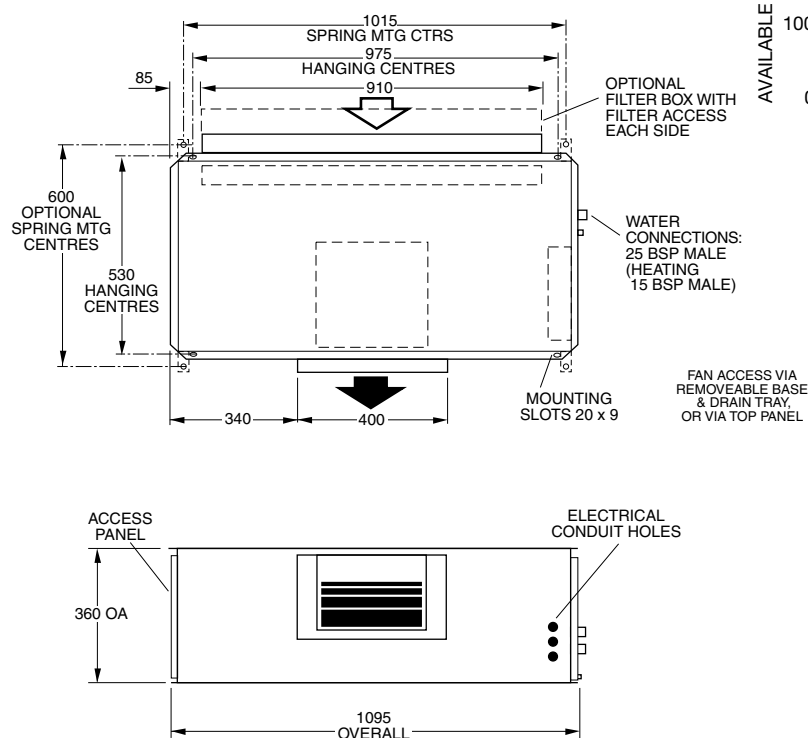
IMD 170Y

Air Handling

Notes:

1. Air flows given are for a unit with no filter installed.
2. In a free blown application, beware of exceeding indoor fan motor's full load amp limit.
3. Airflows are for dry coil. Reduce airflow by 10% in high moisture removal conditions. Refer to page 70 for filter pressure drop.

Dimensions



Sound Levels

Sound levels are specified as in-situ conditions. For more information and adjustment factors for your specific installation please find supplementary booklets under the relevant units on our website www.temperzone.com

Fan Speed	Vdc	RPM	Sound Power Levels (SWL) (dB)						
			dB(A)	Octave Band Centre Frequency (Hz)					
				125	250	500	1K	2K	4K
Low	6.3	950	44	47	45	43	37	31	30
Med	8.3	1250	53	55	55	52	45	40	40
High	10	1500	62	63	65	59	57	50	50

IMD 210Y

				Low Air flow			Medium Air flow			Nominal Air flow		
4 row chilled water coil				400 L/s			650 L/s			900 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.4	9.5	total	8.9	8.2	7.5	11.3	10.3	9.4	12.8	11.8	10.7
			sensible	6.2	5.9	5.6	8.6	8.2	7.8	10.6	10.1	9.7
	0.6	19.6	total	9.7	8.9	8.1	12.9	11.8	10.8	15.2	13.9	12.7
			sensible	6.6	6.2	5.9	9.3	8.8	8.4	11.5	11.0	10.5
	0.8	33.5	total	10.2	9.4	8.6	14.0	12.8	11.7	16.8	15.4	14.0
			sensible	6.8	6.5	6.1	9.8	9.3	8.8	12.2	11.6	11.0
27/19	0.4	9.5	total	10.9	10.2	9.4	13.8	12.9	11.9	15.6	14.7	13.6
			sensible	7.7	7.4	7.1	10.7	10.3	9.9	13.1	12.8	12.4
	0.6	19.6	total	11.9	11.1	10.4	15.8	14.8	13.7	18.6	17.3	16.1
			sensible	8.2	7.8	7.5	11.5	11.1	10.6	14.3	13.8	13.3
	0.8	33.5	total	12.6	10.7	10.9	17.2	16.0	14.8	20.6	19.2	17.7
			sensible	8.5	8.1	7.7	12.1	11.6	11.1	15.1	14.5	14.0
31/21	0.4	9.5	total	13.1	12.3	11.6	16.4	15.5	14.5	18.6	17.6	16.4
			sensible	9.2	8.9	8.5	12.7	12.3	12.0	15.7	15.3	14.9
	0.6	19.6	total	14.3	13.6	12.7	19.0	17.9	16.7	22.2	20.8	19.7
			sensible	9.7	9.4	9.0	13.7	13.3	12.8	17.0	16.5	16.1
	0.8	33.5	total	15.1	14.3	13.4	20.6	19.4	18.2	24.6	23.1	21.8
			sensible	10.0	9.7	9.3	14.3	13.9	13.4	17.9	17.4	16.9
35/24	0.4	9.5	total	16.6	15.8	14.9	20.5	19.5	18.5	22.9	21.8	20.5
			sensible	10.3	10.0	9.7	14.1	13.7	13.4	17.2	16.9	16.6
	0.6	19.6	total	18.3	17.4	16.5	23.8	22.7	21.5	27.6	26.3	24.9
			sensible	11.0	10.7	10.3	15.3	14.9	14.4	18.8	18.4	17.9
	0.8	33.5	total	19.3	18.4	17.5	26.1	24.9	23.6	30.9	29.4	27.8
			sensible	11.4	11.0	10.7	16.2	15.7	15.2	20.0	19.5	18.9
1 row hot water coil												
Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
7	0.08	8.4	heat	7.8	10.5	13.2	9.2	12.4	15.6	10.1	13.6	17.1
	0.12	17.3	heat	8.7	11.7	14.7	10.8	14.5	18.3	12.2	16.4	20.7
	0.16	28.8	heat	9.3	12.6	15.8	11.8	16.0	20.1	13.6	18.3	23.0
15	0.08	8.4	heat	6.3	9.0	11.7	7.4	10.6	13.9	8.2	11.7	15.2
	0.12	17.3	heat	7.1	10.1	13.1	8.7	12.5	16.2	9.9	14.1	18.3
	0.16	28.8	heat	7.7	10.8	14.0	9.6	13.7	17.8	11.0	15.7	20.4
21	0.08	8.4	heat	5.2	7.9	10.6	6.2	9.4	12.5	6.8	10.3	13.8
	0.12	17.3	heat	5.8	8.8	11.8	7.2	11.0	14.7	8.2	12.4	16.6
	0.16	28.8	heat	6.4	9.5	12.7	8.2	12.0	16.1	9.1	13.8	18.5

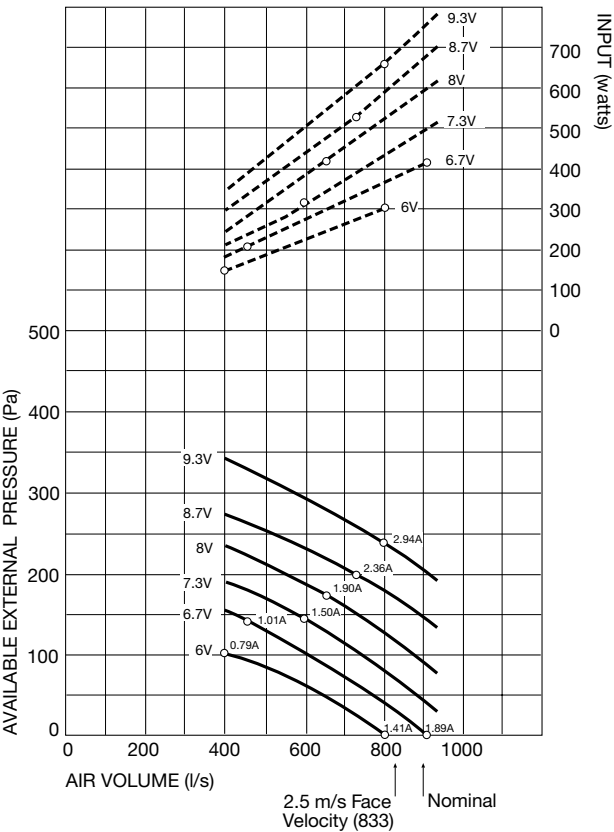
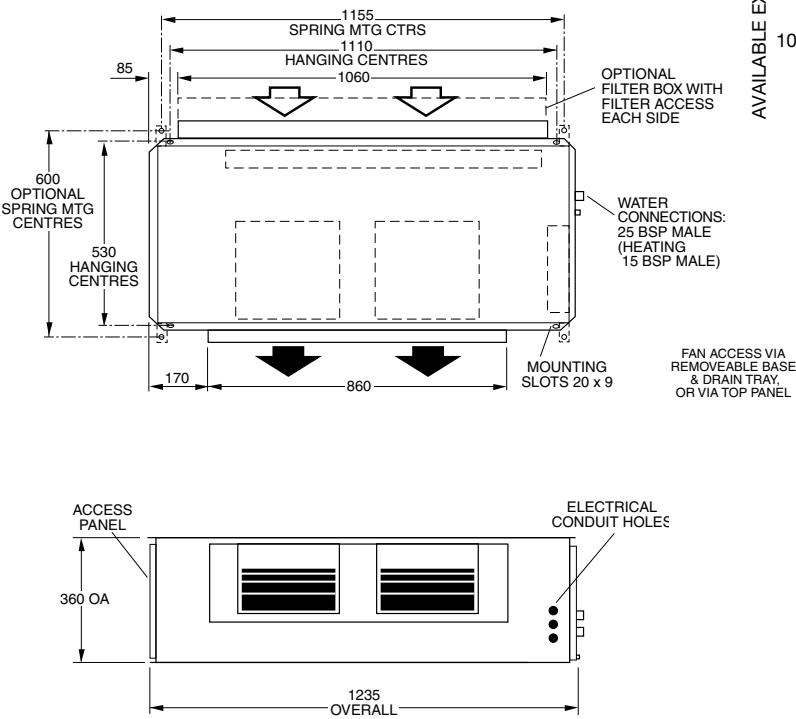
Performance Data

IMD 210Y

Air Handling

- Notes:**
- 1. Air flows given are for a unit with no filter installed.
 - 2. In a free blown application, beware of exceeding indoor fan motor's full load amp limit.
 - 3. Airflows are for dry coil. Reduce airflow by 10% in high moisture removal conditions. Refer to page 70 for filter pressure drop.

Dimensions



Sound Levels

Sound levels are specified as in-situ conditions. For more information and adjustment factors for your specific installation please find supplementary booklets under the relevant units on our website www.temperzone.com

Fan Speed	Vdc	RPM	Sound Power Levels (SWL) (dB)						
			dB(A)	Octave Band Centre Frequency (Hz)					
				125	250	500	1K	2K	4K
Low	6.7	1000	46	48	47	46	39	33	30
Med	8	1200	52	56	54	52	46	41	39
High	9.3	1400	60	62	61	57	56	49	48

IMD 280Y

				Low Air flow			Medium Air flow			Nominal Air flow		
4 row chilled water coil				600 L/s			900 L/s			1200 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	0.6	7.0	total	12.8	11.7	10.7	15.5	14.2	13.0	17.4	16.0	14.6
			sensible	9.1	8.6	8.2	11.9	11.3	10.8	14.2	13.7	13.1
	1.0	17.8	total	14.5	13.2	12.0	18.3	16.8	15.3	21.2	19.5	17.7
			sensible	9.8	9.3	8.7	13.0	12.4	11.7	15.8	15.0	14.3
	1.4	33.1	total	15.2	13.9	12.7	19.9	18.3	16.6	23.6	21.7	19.7
			sensible	10.2	9.6	9.1	13.7	13.0	12.3	16.8	16.0	15.2
27/19	0.6	7.0	total	15.7	14.6	13.5	19.0	17.7	16.4	21.2	19.8	18.4
			sensible	11.2	10.8	10.3	14.7	14.2	13.7	17.7	17.2	16.6
	1.0	17.8	total	17.7	16.5	15.3	22.4	20.9	19.3	26.0	24.2	22.4
			sensible	12.1	11.6	11.1	16.1	15.5	14.9	19.6	18.9	18.2
	1.4	33.1	total	18.7	17.4	16.2	24.4	22.8	21.1	29.0	27.0	25.0
			sensible	12.6	12.0	11.4	17.0	16.3	15.6	20.8	20.0	19.2
31/21	0.6	7.0	total	18.8	17.7	16.6	22.7	21.3	20.0	25.4	23.9	22.4
			sensible	13.4	12.9	12.5	17.5	17.0	16.5	21.1	20.6	20.0
	1.0	17.8	total	21.2	20.0	18.7	26.9	25.3	23.7	31.1	29.3	27.5
			sensible	14.4	13.9	13.3	19.2	18.5	17.9	23.3	22.6	21.9
	1.4	33.1	total	22.5	21.2	19.9	29.3	27.6	25.9	34.7	32.7	30.6
			sensible	14.9	14.4	13.8	20.2	19.5	18.8	24.7	23.9	23.1
35/24	0.6	7.0	total	23.7	22.5	21.4	28.3	26.9	25.5	31.4	29.8	28.3
			sensible	15.0	14.5	14.1	19.4	19.0	18.5	23.3	22.8	22.3
	1.0	17.8	total	26.9	25.7	24.3	33.9	32.2	30.6	38.9	37.0	35.0
			sensible	16.3	15.7	15.2	21.5	20.9	20.2	25.9	25.2	24.5
	1.4	33.1	total	28.7	27.4	26.1	37.2	35.6	33.7	43.8	41.7	39.5
			sensible	17.0	16.5	15.9	22.7	22.1	21.4	26.6	26.9	26.1
1 row hot water coil												
Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
7	0.2	2.8	heat	12.5	16.9	21.2	14.8	20.0	25.2	16.6	22.4	28.2
	0.4	9.6	heat	14.1	19.0	23.9	17.5	23.6	29.7	20.1	27.1	34.1
	0.6	20.2	heat	15.0	20.2	25.4	18.9	25.6	32.2	22.1	29.8	37.5
15	0.2	2.8	heat	9.9	15.1	18.5	11.8	16.9	22.0	13.3	18.9	24.6
	0.4	9.6	heat	12.2	17.0	20.8	13.9	19.9	25.9	16.0	22.9	29.8
	0.6	20.2	heat	13.0	18.1	22.1	15.1	21.5	28.0	17.6	25.2	32.7
21	0.2	2.8	heat	8.2	12.5	16.8	9.8	14.9	19.9	10.9	16.6	22.3
	0.4	9.6	heat	9.3	14.0	18.8	11.5	17.5	23.4	13.2	20.1	26.9
	0.6	20.2	heat	9.8	14.9	20.0	12.5	18.9	25.3	14.5	22.1	29.6

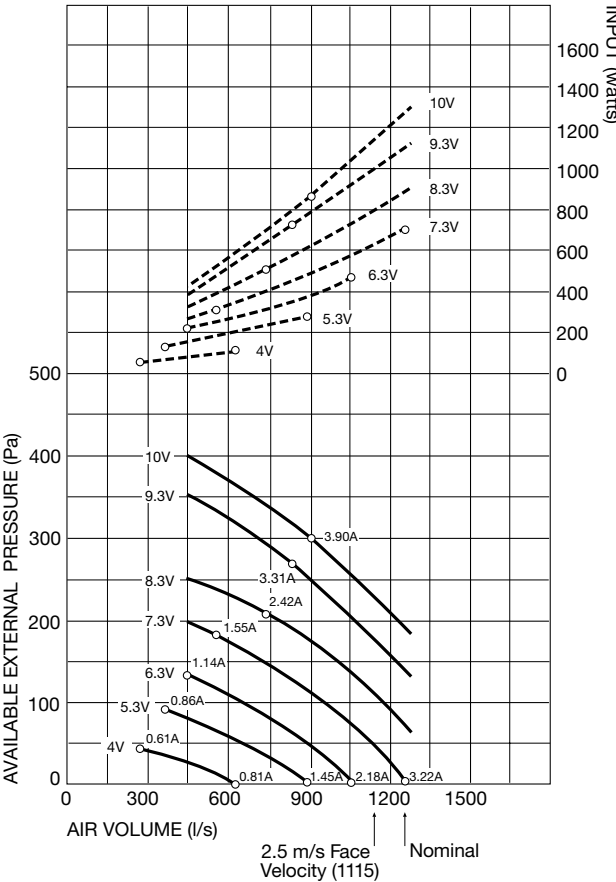
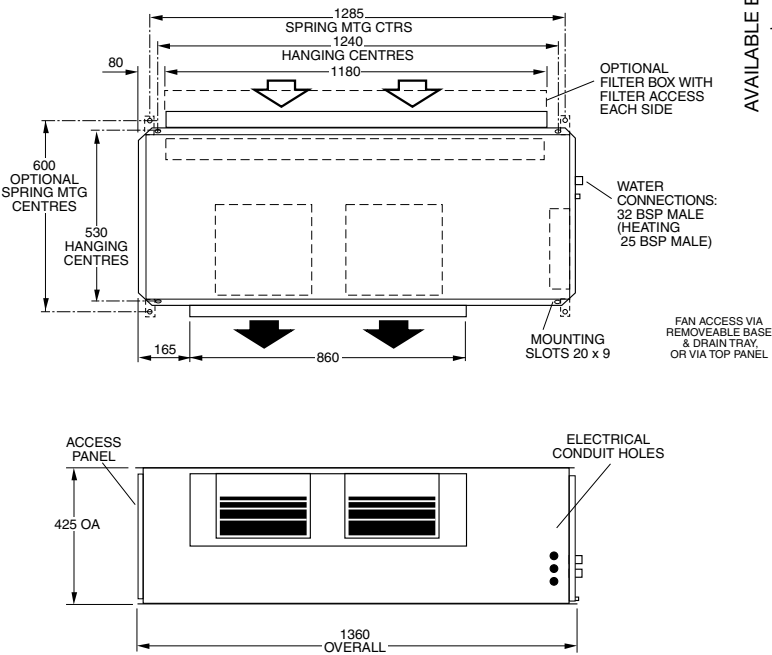
Performance Data

IMD 280Y

Air Handling

- Notes:**
- 1. Air flows given are for a unit with no filter installed.
 - 2. In a free blown application, beware of exceeding indoor fan motor's full load amp limit.
 - 3. Airflows are for dry coil. Reduce airflow by 10% in high moisture removal conditions. Refer to page 70 for filter pressure drop.

Dimensions



Sound Levels

Sound levels are specified as in-situ conditions. For more information and adjustment factors for your specific installation please find supplementary booklets under the relevant units on our website www.temperzone.com

Fan Speed	Vdc	RPM	Sound Power Levels (SWL) (dB)						
			dB(A)	Octave Band Centre Frequency (Hz)					
				125	250	500	1K	2K	4K
Low	6.3	950	45	49	48	44	38	34	31
Med	8.3	1250	55	58	58	53	49	44	41
High	10	1500	64	66	66	61	58	54	52

IMD 420Y

				Low Air flow			Medium Air flow			Nominal Air flow		
4 row chilled water coil				1000 L/s			1400 L/s			1800 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	1.0	3.9	total	20.4	18.8	17.1	23.9	21.9	19.9	26.4	24.4	22.2
			sensible	14.7	14.0	13.3	18.3	17.5	16.7	21.5	20.7	19.8
	2.0	13.9	total	23.8	21.9	19.9	29.2	26.8	24.4	33.6	31.1	28.2
			sensible	16.2	15.4	14.5	20.6	19.6	18.6	24.5	23.4	22.2
	3.0	29.8	total	25.3	23.3	21.2	32.0	29.3	26.7	37.4	34.5	31.2
			sensible	16.9	16.0	15.1	21.8	20.7	19.5	26.1	24.8	23.4
27/19	1.0	3.9	total	25.0	23.3	21.6	29.1	27.2	25.2	32.1	30.2	27.9
			sensible	18.2	17.5	16.8	22.8	22.0	21.2	26.7	26.0	25.1
	2.0	13.9	total	29.3	27.3	25.3	35.8	33.4	30.9	41.6	38.6	35.6
			sensible	20.0	19.2	18.3	25.5	24.5	23.5	30.5	29.3	28.1
	3.0	29.8	total	31.2	29.1	27.0	39.4	36.7	34.0	46.2	43.1	40.1
			sensible	20.9	20.0	19.1	27.0	25.9	24.7	32.4	31.1	29.9
31/21	1.0	3.9	total	29.9	28.2	26.5	34.8	32.8	30.7	38.6	36.0	34.0
			sensible	21.6	20.9	20.3	27.1	26.3	25.6	32.0	31.0	30.3
	2.0	13.9	total	35.1	33.1	31.0	43.0	40.5	38.0	49.5	46.4	43.7
			sensible	23.8	23.0	22.1	30.3	29.3	28.3	36.1	34.9	33.9
	3.0	29.8	total	37.5	35.3	33.2	47.3	44.6	41.8	55.3	52.3	49.2
			sensible	24.9	23.9	23.0	32.2	31.0	29.8	38.4	37.2	36.0
35/24	1.0	3.9	total	37.7	35.9	34.0	43.4	41.3	39.1	47.4	45.1	42.8
			sensible	24.2	23.5	22.9	30.0	29.3	28.6	35.1	34.4	33.6
	2.0	13.9	total	44.6	42.5	40.6	54.5	51.8	49.2	62.1	59.0	56.0
			sensible	27.0	26.1	25.3	34.1	33.1	32.1	40.2	39.1	38.0
	3.0	29.8	total	48.1	45.9	43.6	60.1	57.3	54.4	70.2	66.7	63.2
			sensible	28.4	27.5	26.5	36.3	35.2	34.0	43.2	41.9	40.7
1 row hot water coil												
Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
7	0.3	3.9	heat	20.0	27.0	34.0	23.1	31.1	39.2	25.4	34.3	43.2
	0.6	12.2	heat	22.9	30.9	38.9	27.5	37.1	46.7	31.0	41.8	52.6
	0.9	27.4	heat	24.5	33.0	41.5	29.8	40.3	50.7	34.1	46.0	57.9
15	0.3	3.9	heat	16.2	23.2	30.1	18.7	26.7	34.8	20.7	29.5	38.4
	0.6	12.2	heat	18.5	26.5	34.4	22.3	31.8	41.4	25.1	35.9	46.6
	0.9	27.4	heat	19.8	28.3	36.8	24.2	34.5	44.9	27.6	39.5	51.3
21	0.3	3.9	heat	13.4	20.3	27.3	15.5	23.5	31.5	17.0	25.9	34.7
	0.6	12.2	heat	15.3	23.2	31.1	18.4	27.9	37.4	20.7	31.5	42.2
	0.9	27.4	heat	16.3	24.8	33.2	19.9	30.2	40.5	22.8	34.6	46.4

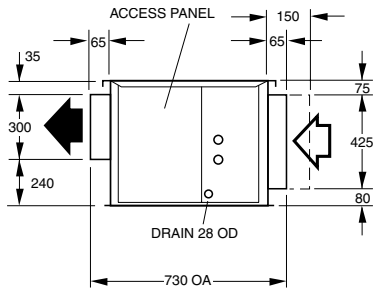
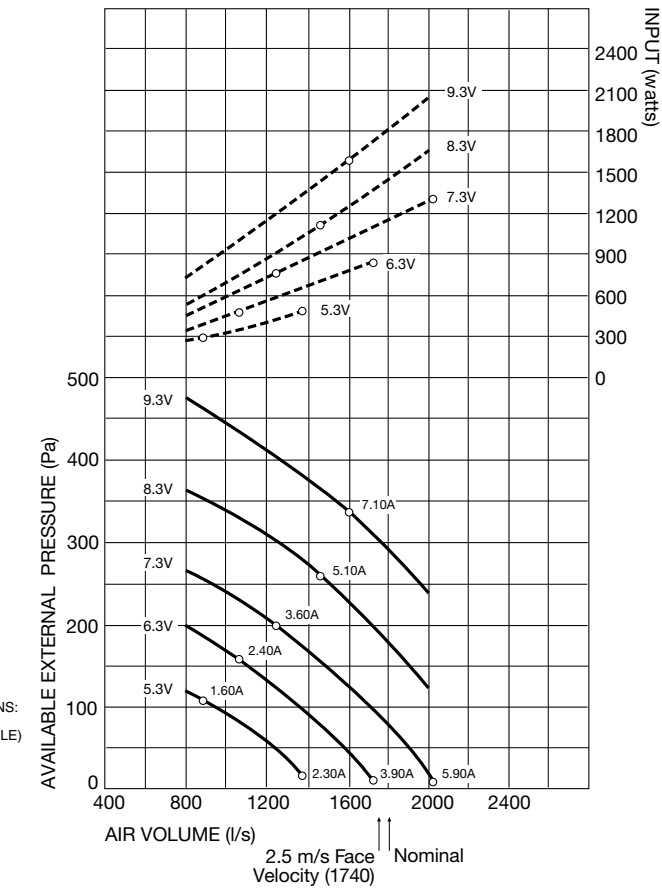
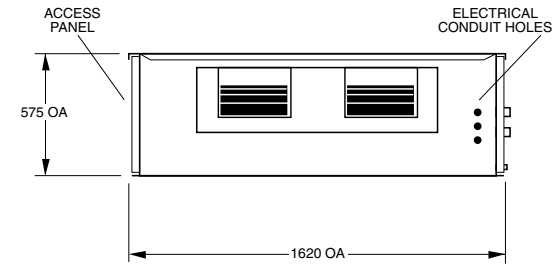
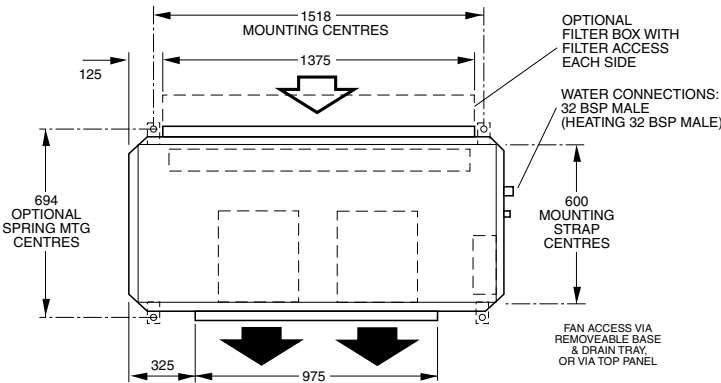
Performance Data

IMD 420Y

Air Handling

- Notes:**
- 1. Air flows given are for a unit with no filter installed.
 - 2. In a free blown application, beware of exceeding indoor fan motor's full load amp limit.
 - 3. Airflows are for dry coil. Reduce airflow by 10% in high moisture removal conditions. Refer to page 70 for filter pressure drop.

Dimensions



Sound Levels

Sound levels are specified as in-situ conditions. For more information and adjustment factors for your specific installation please find supplementary booklets under the relevant units on our website www.temperzone.com

Fan Speed	Vdc	RPM	Sound Power Levels (SWL) (dB)						
			dB(A)	Octave Band Centre Frequency (Hz)					
				125	250	500	1K	2K	4K
Low	7.3	1100	52	56	52	50	46	42	38
Med	8.3	1250	56	61	57	55	50	47	44
High	9.3	1400	63	67	64	62	57	54	52

IMD 550Y

				Low Air flow			Medium Air flow			Nominal Air flow		
4 row chilled water coil				1300 L/s			1800 L/s			2350 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Cooling kW	Entering water temp			Entering water temp			Entering water temp		
				6	7	8	6	7	8	6	7	8
23/17	2.0	9.5	total	29.5	27.1	24.6	35.2	32.5	29.3	40.5	37.2	33.8
			sensible	20.4	19.3	18.3	25.5	24.3	23.1	30.5	29.1	27.7
	3.0	20.6	total	31.7	29.3	26.6	39.3	36.1	32.8	46.1	42.3	38.5
			sensible	21.4	20.3	19.2	27.3	25.9	24.5	32.9	31.2	29.6
	4.0	32.8	total	33.2	30.5	27.8	41.6	38.2	34.7	49.5	45.2	41.4
			sensible	22.1	20.9	19.7	28.3	26.8	25.3	34.3	32.5	30.8
27/19	2.0	9.5	total	36.2	33.7	31.2	43.5	40.5	37.4	49.5	46.1	43.0
			sensible	25.2	24.2	23.1	31.7	30.5	29.2	37.8	36.4	35.2
	3.0	20.6	total	39.2	36.6	33.9	48.2	45.0	41.6	56.7	52.8	48.8
			sensible	26.6	25.4	24.3	33.7	32.3	31.0	40.7	39.1	37.5
	4.0	32.8	total	40.8	38.1	35.3	51.1	47.8	44.1	60.6	56.2	52.3
			sensible	27.3	26.1	24.9	35.0	33.5	32.0	42.3	40.5	38.9
31/21	2.0	9.5	total	43.3	40.9	38.3	52.0	49.0	45.9	59.5	56.0	52.1
			sensible	30.0	28.9	27.9	37.6	36.5	35.3	45.1	43.7	42.3
	3.0	20.6	total	47.1	44.4	41.7	57.9	54.4	51.1	67.7	63.6	59.6
			sensible	31.6	30.4	29.2	40.1	38.7	37.3	48.2	46.7	45.1
	4.0	32.8	total	49.1	46.3	43.5	61.6	58.1	54.5	73.1	68.6	64.5
			sensible	32.5	31.2	30.0	41.6	40.1	38.7	50.4	48.6	47.0
35/24	2.0	9.5	total	55.1	52.6	49.9	65.5	62.3	59.0	74.1	70.4	66.7
			sensible	33.9	32.8	31.8	42.1	40.9	39.8	50.0	48.7	47.5
	3.0	20.6	total	60.0	57.2	54.3	73.6	70.1	66.5	85.3	81.2	76.9
			sensible	35.8	34.7	33.5	45.2	43.8	42.5	54.1	52.5	51.0
	4.0	32.8	total	62.7	60.0	57.0	78.5	74.7	70.9	92.5	88.0	83.5
			sensible	37.0	35.9	34.6	47.1	45.7	44.2	56.8	55.1	53.4
1 row heating water coil												
Air on DB	W. flow L/s	P.D. kPa	Heating kW	Entering water temp			Entering water temp			Entering water temp		
				50	65	80	50	65	80	50	65	80
7	0.4	4.5	heat	26.2	34.1	44.5	30.1	40.6	51.1	33.4	45.1	56.8
	0.8	15.4	heat	30.0	39.0	50.9	35.8	48.3	60.8	40.7	54.9	69.1
	1.2	31.5	heat	32.0	41.7	54.3	38.7	52.2	65.7	44.8	60.4	76.1
15	0.4	4.5	heat	21.2	30.4	39.4	24.4	34.9	45.4	27.2	38.8	50.4
	0.8	15.4	heat	24.3	34.6	45.1	29.0	41.4	53.9	33.0	47.1	61.3
	1.2	31.5	heat	25.9	37.0	48.1	31.5	45.0	58.5	36.3	51.9	67.4
21	0.4	4.5	heat	17.5	26.6	35.7	20.2	30.6	41.1	22.5	34.0	45.6
	0.8	15.4	heat	20.0	30.4	40.7	24.0	36.3	48.7	27.2	41.3	55.4
	1.2	31.5	heat	21.4	32.4	43.5	26.0	39.4	52.8	30.0	45.4	60.9

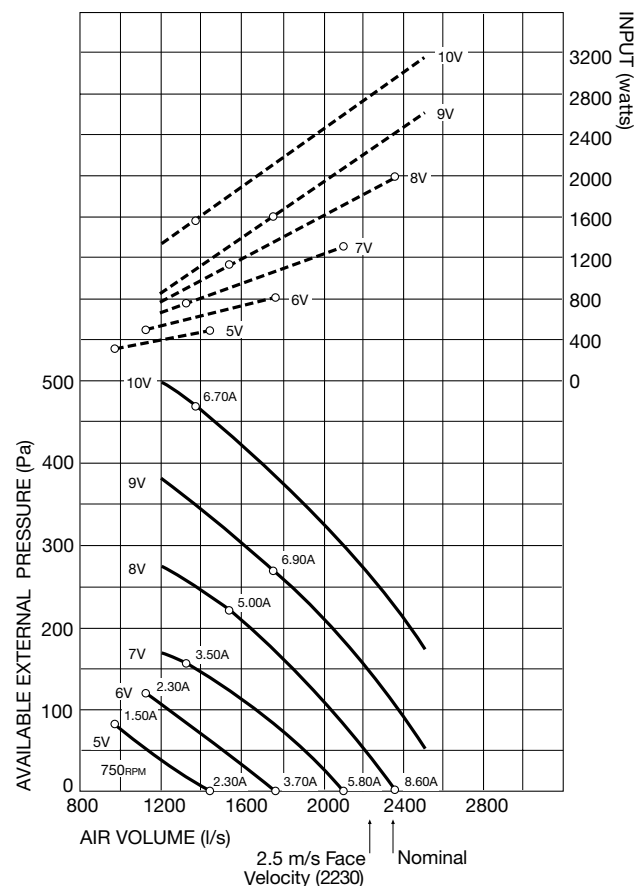
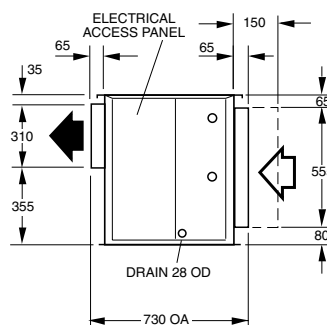
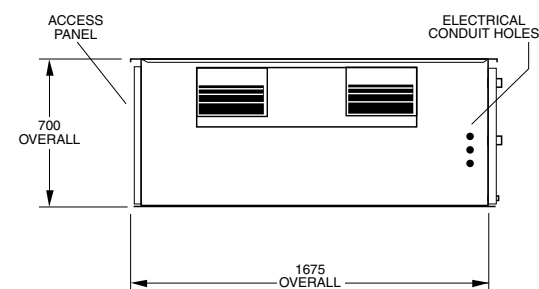
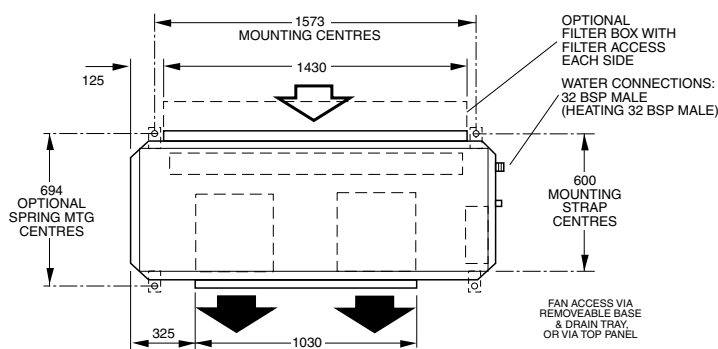
Performance Data

IMD 550Y

Air Handling

- Notes:**
- 1. Air flows given are for a unit with no filter installed.
 - 2. In a free blown application, beware of exceeding indoor fan motor's full load amp limit.
 - 3. Airflows are for dry coil. Reduce airflow by 10% in high moisture removal conditions. Refer to page 70 for filter pressure drop.

Dimensions



Sound Levels

Sound levels are specified as in-situ conditions. For more information and adjustment factors for your specific installation please find supplementary booklets under the relevant units on our website www.temperzone.com

Fan Speed	Vdc	RPM	Sound Power Levels (SWL) (dB)						
			dB(A)	Octave Band Centre Frequency (Hz)					
				125	250	500	1K	2K	4K
Low	6	900	56	58	54	54	51	47	45
Med	8	1200	63	65	62	61	58	55	53
High	10	1500	69	70	67	66	63	64	59



Temperzone Fan Coil Selection Program

Temperzone offers a comprehensive web based Fan Coil Unit Selection Program. With the ability to set all relevant parameters, including water flow rate, you will instantly select the required fan coil units for your project.

The Fan Coil Selection program can be found at www.temperzone.biz

If you need assistance with your selections call your local temperzone office for help.



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