

MT Series Range (AHU)

Features



High Efficiency EC Plug Fans



Ebox Wiring Integration



EL100 Opposed Blade Dampers



Sloping Drain Trays



MT Air Handling Range Specifications

Model ● MT 030 ● MT 060 ● MT 120 ● MT 180 ● MT 270 ● MT 360 ● MT 450 ● MT 540

Specifications

Air Flow (L/s) *1	750	1,500	3,000	5,000	7,500	10,000	12,500	15,000
Power supply	400V / 3 ph / 50Hz							
Number of fans	1	1	1	2	2	3	4	4
Motor rating (total) (kW)	1.3	1.7	2.8	5.6	7	10.5	14	14
Full load current (A/ph) *2	2.1	2.7	4.4	8.8	11.4	17.1	22.8	22.8

Nominal Cooling Capacity (kW) *3

4 row	15.0	33.3	66.6	114	171	225	305	370
6 row	19.2	40.5	82.7	140	210	295	385	465
8 row	22.0	46.7	93.5	157	235	335	425	520

Nominal Heating Capacity (kW) *4

1 row	18.0	40.0	79.9	128	199	216	277	305
2 row	31.7	64.6	133	222	334	363	464	519

Dimensions (mm)

Length Fan/Coil Section	1245	1445	1845	1845	2195	2045	2045	2045
Length Filter/Plenum	1245	1445	1445	1445	1645	1645	1645	1645
Width	800	1400	1400	2050	2050	2720	3370	4020
Height (inc base)	900	900	1500	1500	2150	2190	2190	2190
Optional Filters Cells	1	2	4	6	9	12	15	18
FCU weight *5 (kg)	162	233	400	511	791	1043	1242	1442
Inlet plenum weight - bare (kg)	86	120	157	184	343	346	387	426

*1. Nominal Air flow based on approximately 2.5m/s coil face velocity

*2. Motor name plate rating not necessarily current draw at nominal operating point.

*3. Nominal Cooling capacity at nominal air flow, air entry 27/19, water in6/out13

*4. Nominal Heating capacity at nominal air flow, air entry 15, water in80/out60

*5. Nominal weight based on 6 row cooling coil plus 1 row heating coil, no other accessories fitted

MT 030

			Low Air flow (approx 1.5m/s)						Nominal Air flow (approx 2.5m/s)					
4 row chilled water coil			450 L/s						750 L/s					
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp						Entering water temp					
			6		7		8		6		7		8	
			T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW
23/17	0.4	7	8.9	6.5	8.2	6.2	7.4	5.9	11.1	9.0	10.2	8.6	9.3	8.3
	0.7	18	10.2	7.0	9.4	6.7	8.6	6.3	13.6	10.0	12.5	9.6	11.4	9.1
	1.0	33	11.0	7.4	10.1	7.0	9.2	6.6	15.1	10.7	13.9	10.2	12.6	9.6
27/19	0.4	13	11.0	8.0	10.2	7.7	9.5	7.5	13.6	11.2	12.6	10.9	11.7	10.5
	0.7	18	12.6	8.7	11.7	8.4	10.9	8.0	16.7	12.5	15.6	12.0	14.4	11.5
	1.0	33	13.5	9.1	12.6	8.7	11.7	8.4	18.6	13.2	17.3	12.7	16.0	12.2
31/21	0.4	7	13.1	9.5	12.3	9.3	11.6	9.0	16.2	13.4	15.2	13.0	14.2	12.6
	0.7	18	15.1	10.4	14.2	10.0	13.4	9.7	20.0	14.8	18.8	14.3	17.6	13.9
	1.0	33	16.3	10.9	15.3	10.5	14.4	10.1	22.2	15.7	21.0	15.2	19.7	14.7
35/24	0.4	7	16.5	10.7	15.7	10.4	14.9	10.1	20.0	14.7	19.0	14.4	18.0	14.1
	0.7	18	19.2	11.8	18.3	11.4	17.4	11.0	25.1	16.5	23.8	16.0	22.6	15.6
	1.0	33	20.7	12.3	19.7	11.9	18.8	11.6	28.2	17.6	26.9	17.2	25.5	16.6
6 row chilled water coil														
23/17	0.6	7	11.3	7.7	10.4	7.3	9.5	6.9	15.1	11.1	13.9	10.5	12.7	10.0
	1.0	16	12.3	8.1	11.3	7.7	10.3	7.2	17.5	12.1	16.0	11.4	14.6	10.8
	1.5	33	12.7	8.4	11.8	7.9	10.7	7.4	18.8	12.7	17.2	12.0	15.7	11.3
27/19	0.6	7	13.9	9.5	13.0	9.1	12.1	8.7	18.5	13.7	17.3	13.2	16.1	12.7
	1.0	16	15.2	10.1	14.1	9.6	13.2	9.2	21.5	15.0	20.0	14.3	18.6	13.7
	1.5	33	15.7	10.3	14.7	9.9	13.7	9.4	23.1	15.7	21.5	15.0	20.0	14.3
31/21	0.6	7	16.7	11.3	15.8	10.9	14.9	10.5	22.2	16.3	21.0	15.8	19.7	15.3
	1.0	16	18.2	12.0	17.2	11.5	16.2	11.1	25.7	17.8	24.3	17.2	22.8	16.6
	1.5	33	19.0	12.3	17.9	11.9	16.9	11.4	27.6	18.6	26.1	17.9	24.5	17.3
35/24	0.6	7	21.2	12.8	20.2	12.4	19.2	12.0	27.9	18.2	26.5	17.7	25.2	17.2
	1.0	16	23.2	13.7	22.2	13.2	21.2	12.8	32.6	20.0	31.1	19.5	29.5	18.8
	1.5	33	24.1	14.1	23.1	13.6	22.0	13.2	35.3	21.2	33.6	20.5	32.0	19.8
8 row chilled water coil														
23/17	0.8	7	12.7	8.4	11.8	8.0	10.8	7.5	18.1	12.5	16.7	11.9	15.2	11.2
	1.4	18	13.1	8.7	12.9	8.4	11.1	7.6	20.3	13.5	18.7	12.8	17.0	12.0
	2.0	33	13.5	8.8	13.9	8.8	11.4	7.8	21.3	14.0	19.6	13.2	17.9	12.4
27/19	0.8	7	15.7	10.4	14.7	9.9	13.6	9.4	22.3	15.5	20.8	14.8	19.3	14.2
	1.4	18	16.2	10.7	15.1	10.2	14.1	9.6	25.0	16.7	23.4	16.0	21.6	15.2
	2.0	33	16.7	10.9	15.6	10.3	14.5	9.9	26.2	17.3	24.4	16.5	22.6	15.7
31/21	0.8	7	19.0	12.4	17.9	11.9	16.8	11.4	26.7	18.4	25.2	17.8	23.7	17.1
	1.4	18	19.5	12.7	18.7	12.3	17.3	11.7	30.0	19.9	28.4	19.1	26.7	18.4
	2.0	33	20.2	13.0	19.0	12.5	18.6	12.2	31.3	20.5	29.7	19.7	28.0	19.0
35/24	0.8	7	24.0	14.1	23.0	13.7	22.0	13.2	33.6	20.7	32.1	20.1	30.5	19.5
	1.4	18	25.0	14.6	23.8	14.1	22.7	13.5	38.1	22.6	36.2	21.8	34.5	21.1
	2.0	33	25.7	14.8	24.8	14.5	23.6	14.0	40.2	23.6	38.1	22.8	36.4	21.9

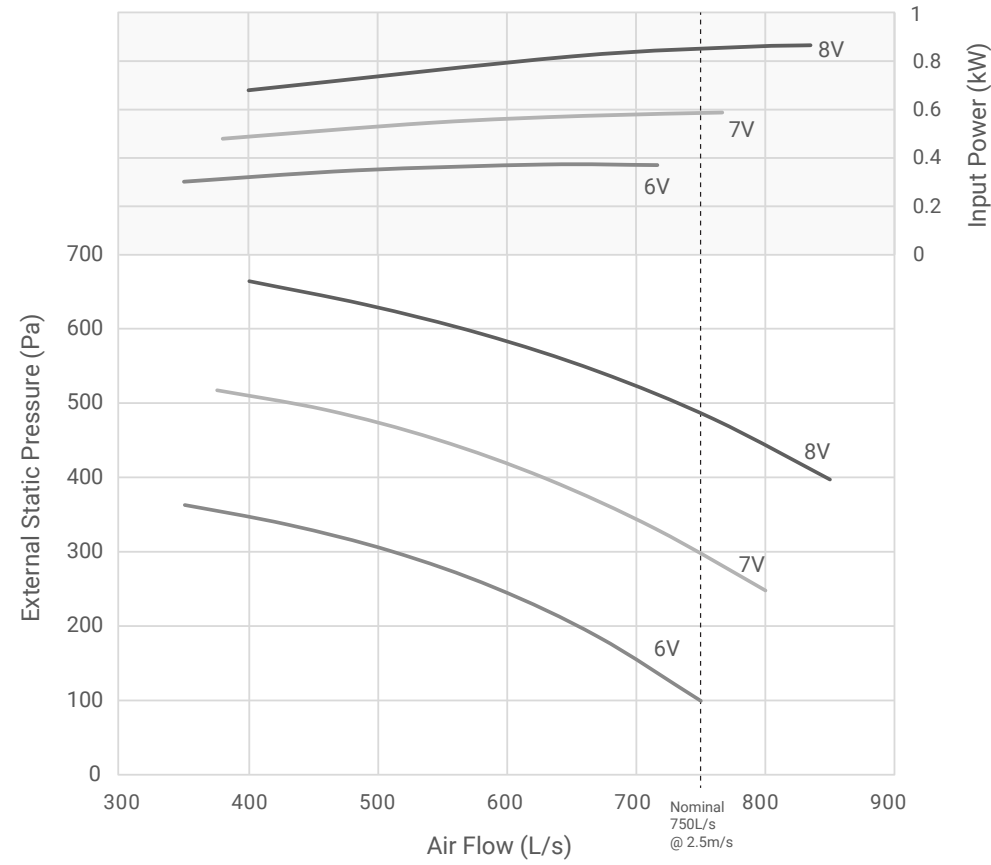
			Low Air flow (approx 1.5m/s)			Nominal Air flow (approx 2.5m/s)		
1 row hot water coil			450 L/s			750 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp			Entering water temp		
			50	65	80	50	65	80
7	0.2	3	9.3	12.6	15.8	11.7	15.8	19.9
	0.4	9	10.3	13.9	17.5	13.6	18.4	23.1
	0.6	18	10.9	14.7	18.5	14.6	19.8	24.9
15	0.2	3	7.5	10.8	14.0	9.5	13.6	17.7
	0.4	9	8.3	11.9	15.5	11.0	15.7	20.5
	0.6	18	8.8	12.6	16.4	11.8	16.9	22.0
21	0.2	3	6.2	9.5	12.7	7.8	11.9	16.0
	0.4	9	6.9	10.4	14.0	9.1	13.8	18.5
	0.6	18	7.2	11.0	14.8	9.8	14.9	19.9
2 row hot water coil								
Air on DB/WB	W. flow L/s	P.D. kPa*	Entering water temp			Entering water temp		
			50	65	80	50	65	80
7	0.2	5	14.0	18.9	23.7	17.9	24.1	30.3
	0.4	15	15.8	21.3	26.8	21.3	28.8	36.3
	0.6	31	16.7	22.5	28.3	23.1	31.2	39.3
15	0.2	5	11.3	16.2	21.0	14.5	20.6	26.9
	0.4	15	12.7	18.2	23.7	17.2	24.7	32.1
	0.6	31	13.4	19.2	24.9	18.6	26.7	34.7
21	0.2	5	9.3	14.1	18.9	11.9	18.1	24.3
	0.4	15	10.5	15.9	21.3	14.2	21.6	28.9
	0.6	31	11.0	16.7	22.5	15.4	23.3	31.3

* PD@ nom 65 (+/-5%). Higher water temperature has lower viscosity and lower pressure drop at any given flow rate.

Performance Data

MT 030

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 51 for filter pressure drop.

Sound Levels

Test Conditions: BS 848 PT2 1985
 Installation Type A (free inlet and outlet)
 Direct method of measurement (reverberant room)
 Measured in decibels re 1 picowatt

IN DUCT			OCTAVE BAND CENTRE FREQUENCY							
Air Flow L/s	Fan Speed	SWL dB(A)	63	125	250	500	1K	2k	4k	8k
			Sound Power Level dB							
450	6V	77	75	77	79	75	73	68	60	52
600	7V	80	76	79	82	77	76	72	63	54
750	8V	81	79	81	83	78	77	72	63	56

Dimensions

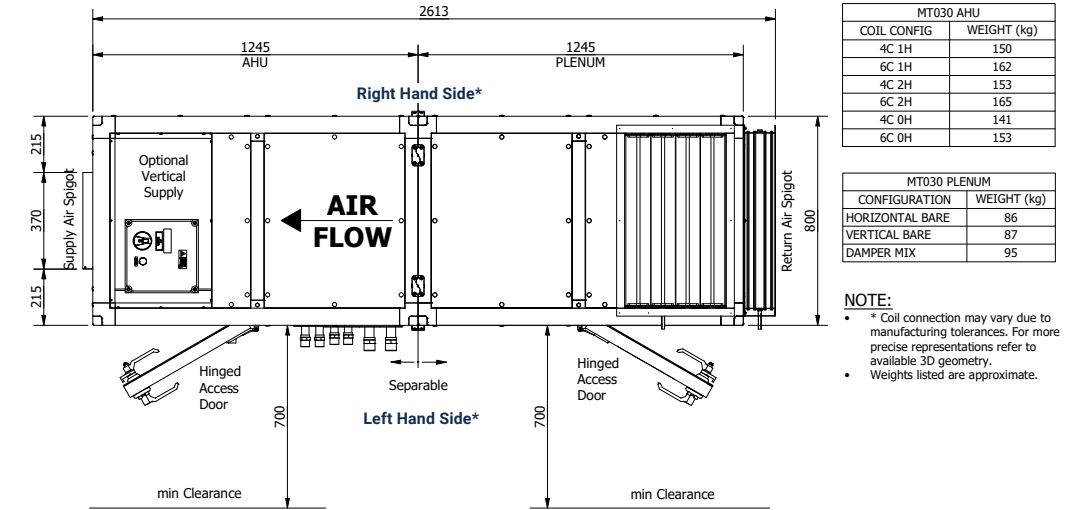
Note: All measurements are in millimetres (mm)

Plan

***Note:** Unit handings follow industry standard for AHU's.

When facing the coil with your **back** to the airflow:

- If the connections are on the right side of the evaporator, then it is a right-hand unit.
- If the connections are on the left side of the evaporator, then it is a left-hand unit.



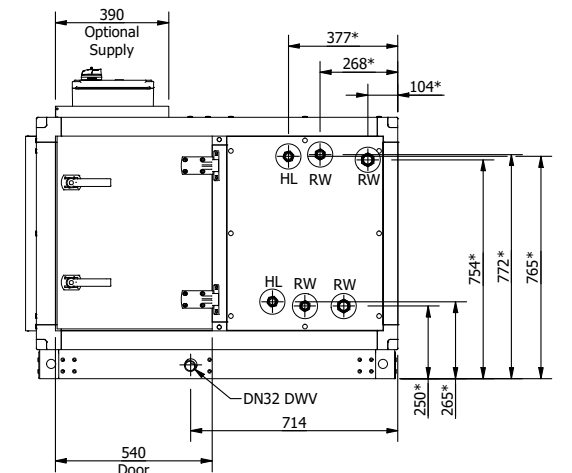
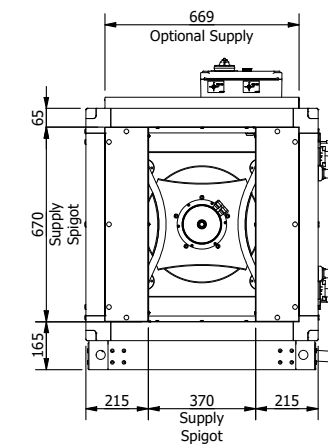
MT030 AHU	
COIL CONFIG	WEIGHT (kg)
4C 1H	150
6C 1H	162
4C 2H	153
6C 2H	165
4C 0H	141
6C 0H	153

MT030 PLENUM	
CONFIGURATION	WEIGHT (kg)
HORIZONTAL BARE	86
VERTICAL BARE	87
DAMPER MIX	95

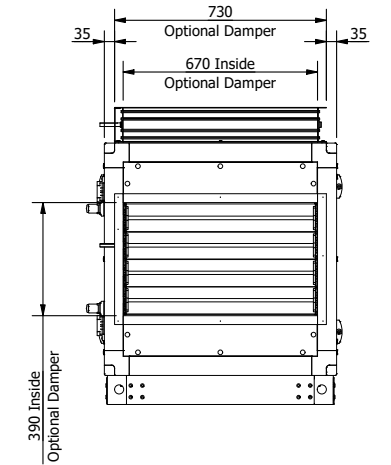
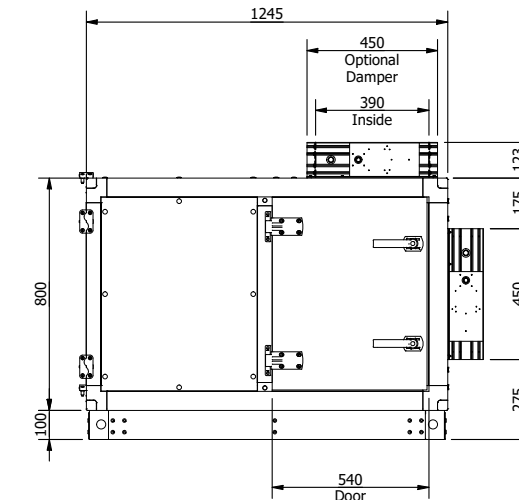
NOTE:

- * Coil connection may vary due to manufacturing tolerances. For more precise representations refer to available 3D geometry.
- Weights listed are approximate.

MT030 AHU



MT030 Plenum



MT 060

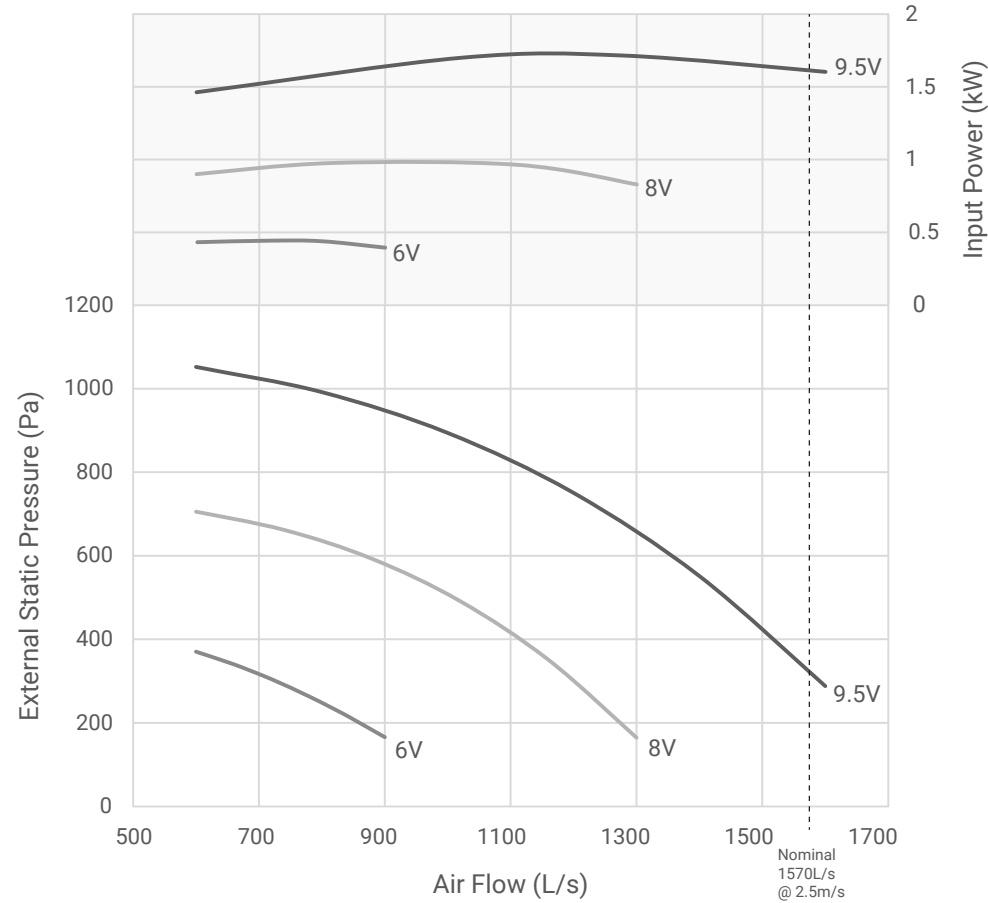
			Low Air flow (approx 1.5m/s)						Nominal Air flow (approx 2.5m/s)					
4 row chilled water coil			900 L/s						1500 L/s					
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp						Entering water temp					
			6		7		8		6		7		8	
			T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW
23/17	0.6	7	17.2	12.7	15.8	12.1	14.4	11.6	20.8	17.5	19.2	16.9	17.5	16.2
	1.0	18	1.9	13.9	18.3	13.2	16.7	12.5	25.9	19.6	23.8	18.7	21.6	17.8
	1.4	33	21.5	14.6	19.8	13.9	18.0	13.1	29.1	21.0	26.7	19.9	24.3	18.9
27/19	0.6	7	21.1	15.8	19.6	15.2	18.2	14.7	25.5	21.9	23.8	21.3	22.1	20.6
	1.0	18	24.5	17.2	22.8	16.5	21.1	15.8	31.7	24.4	29.5	23.5	27.3	22.6
	1.4	33	26.5	18.1	24.7	17.3	22.9	16.5	35.8	26.0	33.3	25.0	30.8	24.0
31/21	0.6	7	25.2	18.7	23.7	18.2	22.2	17.6	30.3	26.1	28.6	25.5	26.9	24.9
	1.0	18	29.5	20.5	27.8	19.8	26.0	19.1	38.0	29.0	35.7	28.1	33.4	27.3
	1.4	33	31.8	21.5	29.9	20.7	28.1	20.0	42.7	30.8	40.2	29.8	37.8	28.9
35/24	0.6	7	31.5	20.9	30.0	20.3	28.4	19.8	37.2	28.7	35.4	28.1	33.7	27.5
	1.0	18	37.2	23.1	35.4	22.4	33.6	21.7	47.3	32.1	44.9	31.3	42.6	30.5
	1.4	33	40.4	24.3	38.5	23.6	36.7	22.9	53.9	34.5	51.2	33.5	48.6	32.6
6 row chilled water coil														
23/17	1.2	9	22.7	15.4	20.9	14.6	19.0	13.8	30.1	22.1	27.7	21.1	25.2	20.0
	1.8	18	24.3	16.2	22.4	15.3	20.4	14.4	33.9	23.7	31.0	22.5	28.3	21.3
	2.4	31	25.1	16.6	23.1	15.6	21.1	14.7	36.1	24.7	33.3	23.5	30.2	22.2
27/19	1.2	9	27.8	19.1	26.0	18.3	24.2	17.5	37.0	27.5	34.6	26.4	32.1	25.4
	1.8	18	29.9	20.0	28.0	19.1	25.9	18.2	41.6	29.4	38.6	28.1	35.9	27.0
	2.4	31	30.9	20.5	29.0	19.6	26.9	18.7	44.5	30.7	41.4	29.3	38.4	28.0
31/21	1.2	9	33.6	22.7	31.7	21.9	29.8	21.1	44.3	32.7	41.7	31.6	39.2	30.6
	1.8	18	36.0	23.8	34.0	22.9	31.9	22.0	49.8	34.9	46.8	33.7	43.9	32.5
	2.4	31	37.2	24.4	35.1	23.4	33.0	22.5	53.4	36.4	50.4	35.2	47.3	33.9
35/24	1.2	9	42.3	25.7	40.3	24.9	38.5	24.1	55.4	36.4	52.7	35.4	50.0	34.4
	1.8	18	45.7	27.1	43.6	26.2	41.5	25.3	62.8	39.2	59.8	38.1	56.8	36.9
	2.4	31	47.3	27.8	45.3	26.9	43.2	26.0	67.6	41.2	64.4	39.9	61.2	38.6
8 row chilled water coil														
23/17	1.2	7	24.7	16.4	22.7	15.5	20.7	14.6	33.6	23.9	30.9	22.7	28.1	21.5
	2.0	18	26.1	17.1	24.2	16.3	22.1	15.3	38.0	25.9	35.1	24.6	31.9	23.1
	2.8	33	26.9	17.5	25.0	16.6	22.7	15.5	40.5	27.0	37.3	25.6	34.0	24.1
27/19	1.2	7	30.3	20.3	28.4	19.4	26.3	18.5	41.2	29.6	38.5	28.4	35.7	27.3
	2.0	18	32.2	21.2	30.1	20.2	28.1	19.3	46.8	32.1	43.8	30.7	40.6	29.3
	2.8	33	33.1	21.7	31.0	20.7	28.7	19.6	49.8	33.4	46.6	32.0	43.3	30.5
31/21	1.2	7	36.3	24.1	34.4	23.2	32.4	22.4	49.3	35.1	46.5	34.0	43.8	32.9
	2.0	18	38.8	25.3	36.8	24.3	34.5	23.3	56.0	38.0	52.9	36.7	49.8	35.4
	2.8	33	39.9	25.8	37.7	24.8	35.4	23.8	59.9	39.7	56.6	38.2	53.1	36.8
35/24	1.2	7	46.2	27.5	44.1	26.6	42.1	25.7	61.3	39.1	58.5	38.0	55.7	36.9
	2.0	18	49.4	28.9	47.3	28.0	45.0	27.0	70.7	43.0	67.5	41.6	64.3	40.3
	2.8	33	51.0	29.8	48.8	28.8	46.6	27.7	75.7	45.1	72.3	43.6	68.8	42.1

			Low Air flow (approx 1.5m/s)			Nominal Air flow (approx 2.5m/s)		
1 row hot water coil			900 L/s			1500 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp			Entering water temp		
			50	65	80	50	65	80
7	0.2	4	16.8	22.6	28.5	20.2	27.3	34.4
	0.4	14	19.7	26.6	33.5	25.3	34.2	43
	0.6	28	21.3	28.7	36.1	28.1	37.9	47.7
15	0.2	4	13.6	15.1	25.2	16.4	23.5	30.5
	0.4	14	15.9	17.7	29.6	20.5	29.3	38.1
	0.6	28	17.2	19.2	32.0	22.8	32.5	42.3
21	0.2	4	11.2	17.0	22.8	13.6	20.5	27.6
	0.4	14	13.1	19.9	26.8	17.0	25.7	34.5
	0.6	28	14.2	21.6	28.9	18.8	28.5	38.3
2 row hot water coil								
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp			Entering water temp		
			50	65	80	50	65	80
7	0.4	4	28.4	38.3	48.2	36.2	48.9	61.5
	0.8	14	32.0	43.2	54.4	43.3	58.5	73.7
	1.2	28	33.8	45.6	57.4	46.9	63.4	79.7
15	0.4	4	23.0	32.8	42.6	29.3	42.0	54.4
	0.8	14	25.8	36.9	48.0	35.0	50.0	65.1
	1.2	28	27.2	38.9	50.6	37.8	54.1	70.4
21	0.4	4	18.9	28.7	38.5	24.2	36.7	49.3
	0.8	14	21.2	32.2	43.2	28.9	43.8	58.7
	1.2	28	22.3	33.9	45.5	31.2	47.3	63.4

Performance Data

MT 060

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 51 for filter pressure drop.

Sound Levels

Test Conditions: BS 848 PT2 1985
 Installation Type A (free inlet and outlet)
 Direct method of measurement (reverberant room)
 Measured in decibels re 1 picowatt

IN DUCT			OCTAVE BAND CENTRE FREQUENCY							
Air Flow L/s	Fan Speed	SWL dB(A)	63	125	250	500	1K	2k	4k	8k
			Sound Power Level dB							
800	6V	73	70	72	74	70	68	63	55	48
1,100	8V	79	76	78	80	76	74	69	61	53
1,500	10V	85	81	83	87	82	81	77	69	59

Dimensions

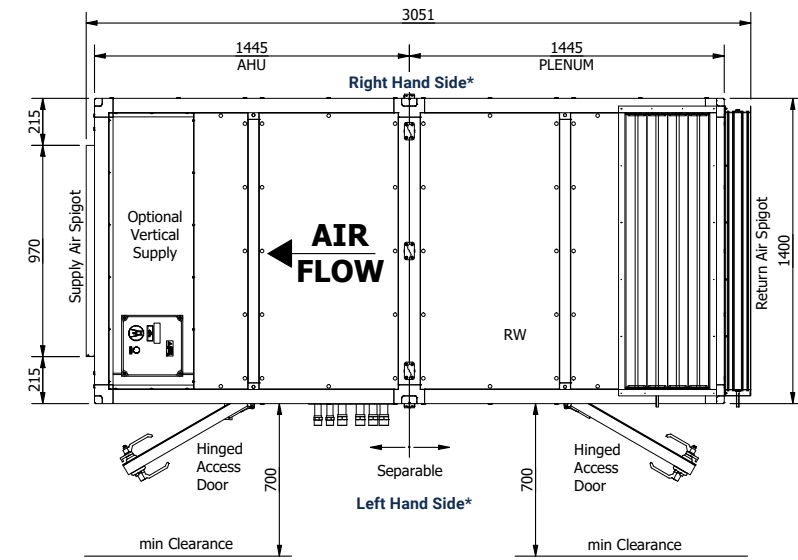
Note: All measurements are in millimetres (mm)

Plan

***Note:** Unit handings follow Industry standard for AHU's.

When facing the coil with your **back** to the airflow:

- If the connections are on the right side of the evaporator, then it is a right-hand unit.
- If the connections are on the left side of the evaporator, then it is a left-hand unit.



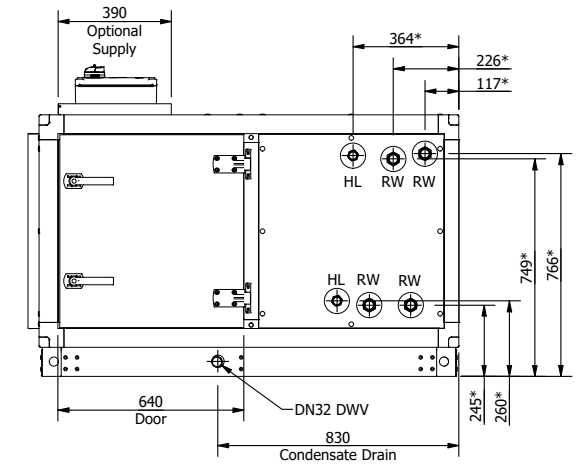
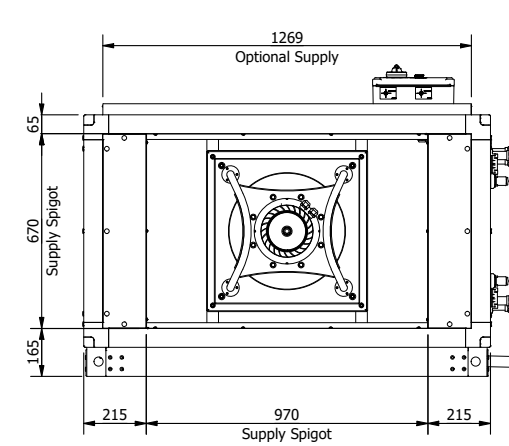
MT060 AHU	
COIL CONFIG	WEIGHT (kg)
4C 1H	210
6C 1H	233
4C 2H	219
6C 2H	242
4C 0H	197
6C 0H	219

MT060 PLENUM	
CONFIGURATION	WEIGHT (kg)
HORIZONTAL BARE	120
VERTICAL BARE	121
DAMPER MIX	135

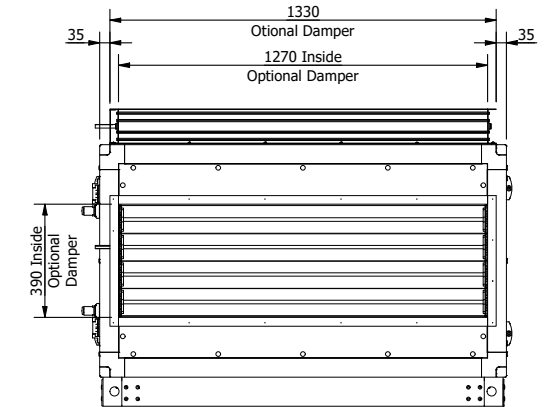
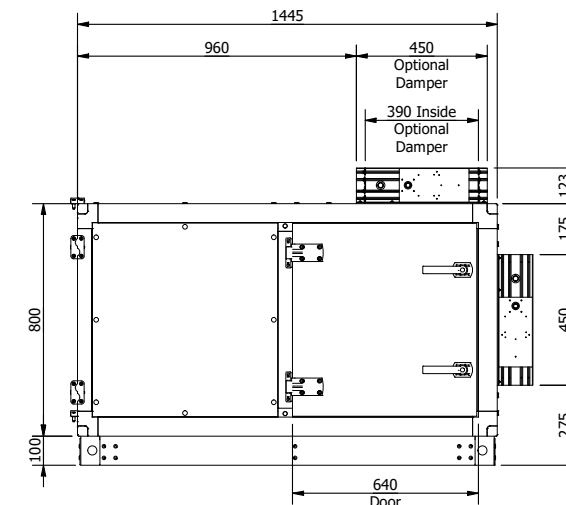
NOTE:

- * Coil connection may vary due to manufacturing tolerances. For more precise representations refer to available 3D geometry.
- Weights listed are approximate.

MT060 AHU



MT060 Plenum



MT 120

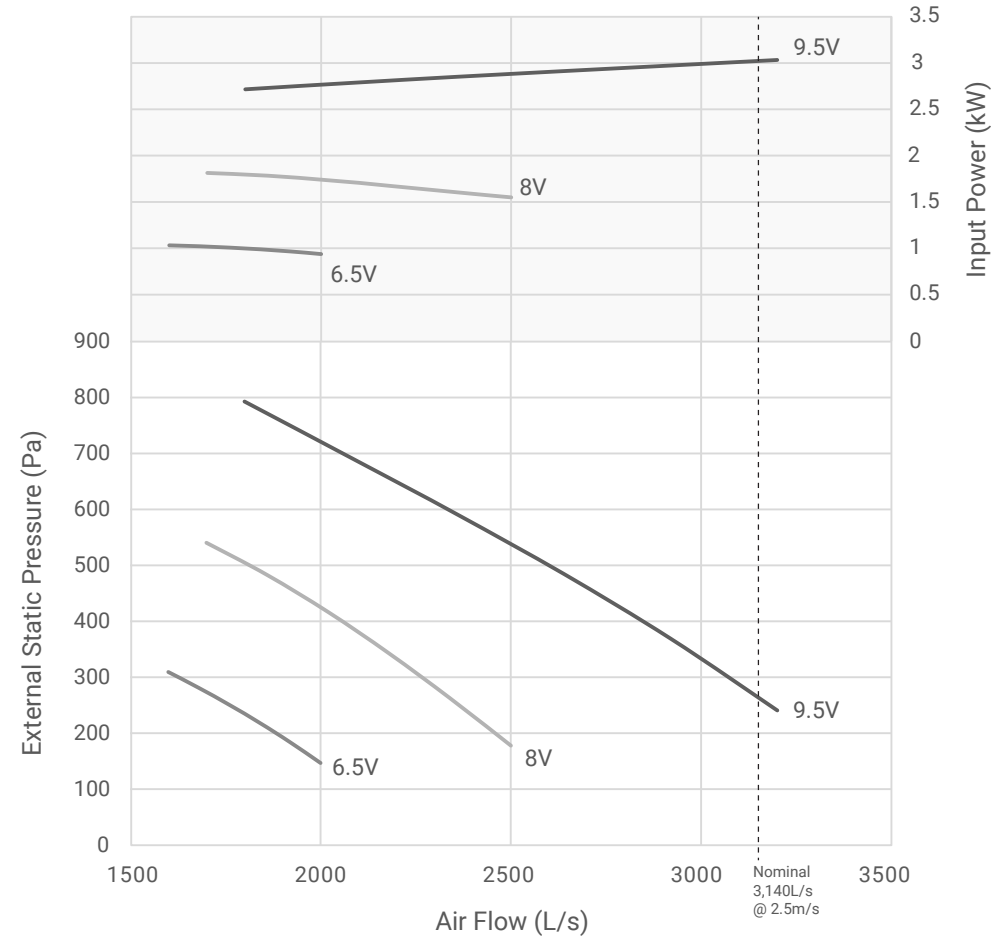
			Low Air flow (approx 1.5m/s)						Nominal Air flow (approx 2.5m/s)					
4 row chilled water coil			1800 L/s						3000 L/s					
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp						Entering water temp					
			6		7		8		6		7		8	
			T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW
23/17	1.2	7	34.5	25.5	31.6	24.3	28.7	23.1	42.0	35.2	38.4	33.7	35.0	32.4
	1.8	15	38.9	27.4	35.6	26.0	32.4	24.6	49.9	38.4	45.7	36.7	41.8	35.1
	2.4	25	41.6	28.6	38.3	27.1	34.8	25.7	55.5	40.7	50.7	38.7	46.3	36.9
27/19	1.2	7	42.2	31.6	39.4	30.4	36.4	29.2	51.0	43.8	47.7	42.5	44.2	41.2
	1.8	15	47.9	34.0	44.6	32.6	41.3	31.3	60.9	47.7	56.8	46.0	52.6	44.5
	2.4	25	51.2	35.4	47.7	33.9	44.2	32.4	67.7	50.4	63.2	48.6	58.6	46.7
31/21	1.2	7	50.4	37.5	47.4	36.4	44.5	35.3	60.6	52.3	57.2	51.0	53.8	49.8
	1.8	15	57.3	40.3	53.9	39.0	50.6	37.6	72.7	56.7	68.3	55.1	64.2	53.5
	2.4	25	61.5	42.1	57.8	40.6	54.3	39.1	81.0	59.9	76.3	58.1	71.6	56.3
35/24	1.2	7	63.1	41.8	60.0	40.7	56.9	39.6	74.5	57.4	70.7	56.2	67.5	55.1
	1.8	15	72.1	45.2	68.7	43.9	65.2	42.6	90.5	62.8	85.6	61.1	81.7	59.8
	2.4	25	78.1	47.6	74.5	46.1	70.6	44.6	101.5	66.7	96.6	64.9	91.5	63.2
6 row chilled water coil														
23/17	1.8	7	43.1	29.8	39.6	28.3	36.2	26.8	55.3	42.1	50.6	40.2	46.2	38.4
	2.7	15	46.7	31.5	42.9	29.8	39.2	28.1	62.9	45.4	58.0	43.2	52.7	41.1
	3.6	25	48.8	32.5	45.0	30.7	41.0	28.9	68.3	47.8	62.6	45.3	57.1	42.9
27/19	1.8	7	52.5	36.8	49.1	35.2	45.9	33.9	67.4	52.2	62.5	50.3	57.5	48.3
	2.7	15	57.4	39.0	53.7	37.3	49.8	35.6	77.3	56.3	72.3	54.2	67.2	52.1
	3.6	25	60.2	40.3	56.3	38.5	52.4	36.7	84.1	59.3	78.6	56.9	72.6	54.4
31/21	1.8	7	63.4	43.8	59.7	42.3	56.2	40.9	80.5	62.1	75.9	60.4	71.3	58.6
	2.7	15	68.8	46.3	65.1	44.6	61.1	42.9	92.7	67.0	87.5	64.9	81.9	62.7
	3.6	25	72.3	47.8	68.2	46.0	64.2	44.2	100.2	70.2	94.5	67.8	88.8	65.4
35/24	1.8	7	79.7	49.3	76.1	47.8	72.4	46.4	99.7	68.7	95.3	67.1	90.3	65.4
	2.7	15	87.4	52.5	83.4	50.8	79.4	49.1	115.6	74.6	110.3	72.6	105.2	74
	3.6	25	92.0	54.5	87.8	52.7	83.4	50.8	126.7	78.9	120.8	76.5	114.7	74.2
8 row chilled water coil														
23/17	2.4	7	48.7	32.6	44.9	30.9	41.1	29.1	66.2	47.3	61.2	45.1	55.5	42.8
	3.6	15	51.6	34.0	47.5	32.0	43.5	30.2	73.3	50.5	67.5	47.9	61.6	45.4
	4.8	25	52.9	34.6	48.6	32.6	44.4	30.6	77.5	52.5	71.3	49.7	65.2	46.9
27/19	2.4	7	60.0	40.4	56.2	38.6	52.3	36.8	81.2	58.7	75.7	56.4	70.6	54.2
	3.6	15	63.4	42.0	59.2	40.0	55.3	38.2	90.1	62.6	84.2	60.0	78.2	57.4
	4.8	25	64.9	42.7	61.0	40.9	56.7	38.9	95.2	64.9	88.9	62.0	82.9	59.4
31/21	2.4	7	72.1	48.0	68.3	46.3	64.5	44.6	97.0	69.6	91.8	67.4	86.2	65.2
	3.6	15	75.9	49.8	72.2	48.1	68.0	46.1	107.9	74.3	101.9	71.7	95.8	69.1
	4.8	25	78.4	50.9	73.9	48.8	69.6	46.9	114.3	77.1	108.4	74.5	101.9	71.7
35/24	2.4	7	91.5	54.6	87.4	52.8	83.3	51.1	120.9	77.5	115.6	75.5	109.7	73.3
	3.6	15	97.0	57.0	92.3	54.9	88.2	53.1	136.3	83.7	131.6	81.8	123.6	78.6
	4.8	25	99.9	58.4	95.6	56.5	91.3	54.5	145.2	87.5	138.6	84.7	131.8	81.9

			Low Air flow (approx 1.5m/s)			Nominal Air flow (approx 2.5m/s)		
1 row hot water coil			1800 L/s			3000 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp			Entering water temp		
			50	65	80	50	65	80
7	0.3	3	30.6	41.3	52.0	35.9	48.3	60.8
	0.6	9	37.4	50.4	63.5	46.7	63.0	79.2
	0.9	17	40.3	54.4	68.5	52.3	70.6	88.8
15	0.3	3	24.8	35.5	46.1	29.1	41.8	54.2
	0.6	9	30.3	43.3	56.3	37.9	54.1	70.3
	0.9	17	32.7	46.6	60.6	42.4	60.5	78.7
21	0.3	3	20.5	31.1	41.8	24.1	36.5	49.1
	0.6	9	25.0	37.9	50.9	31.3	47.5	63.7
	0.9	17	27.0	40.9	54.9	35.0	53.1	71.2
2 row hot water coil								
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp			Entering water temp		
			50	65	80	50	65	80
7	0.8	9	57.5	77.6	97.7	73.7	99.5	125.0
	1.2	18	62.4	84.1	105.9	83.1	112.0	141.0
	1.6	30	65.3	88.1	110.9	88.9	120.0	150.9
15	0.8	9	46.5	66.0	86.3	59.7	85.2	110.8
	1.2	18	50.3	71.9	93.4	67.2	95.9	124.7
	1.6	30	52.6	75.2	97.7	71.9	102.7	133.3
21	0.8	9	38.3	58.1	77.9	49.2	74.7	100.1
	1.2	18	41.4	62.8	84.2	55.2	83.7	112.2
	1.6	30	43.3	65.6	88.0	59.2	89.8	120.4

Performance Data

MT 120

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 51 for filter pressure drop.

Sound Levels

Test Conditions: BS 848 PT2 1985
 Installation Type A (free inlet and outlet)
 Direct method of measurement (reverberant room)
 Measured in decibels re 1 picowatt

IN DUCT			OCTAVE BAND CENTRE FREQUENCY							
Air Flow L/s	Fan Speed	SWL dB(A)	63	125	250	500	1K	2k	4k	8k
1,600	6V	74	72	77	73	71	70	65	57	49
2,400	8V	81	79	84	80	78	77	72	64	56
3,000	10V	87	82	90	88	86	83	79	71	61

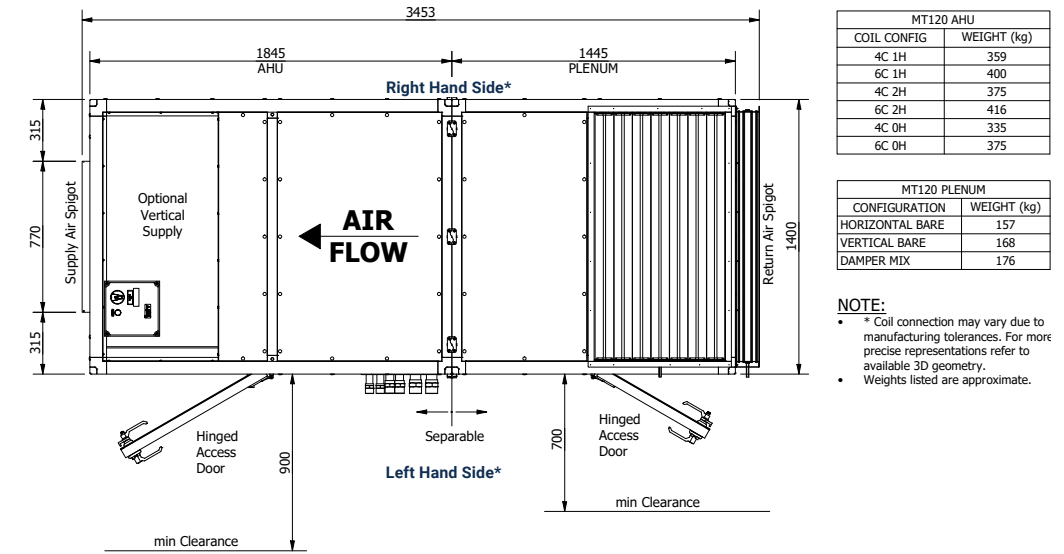
Dimensions

Note: All measurements are in millimetres (mm)

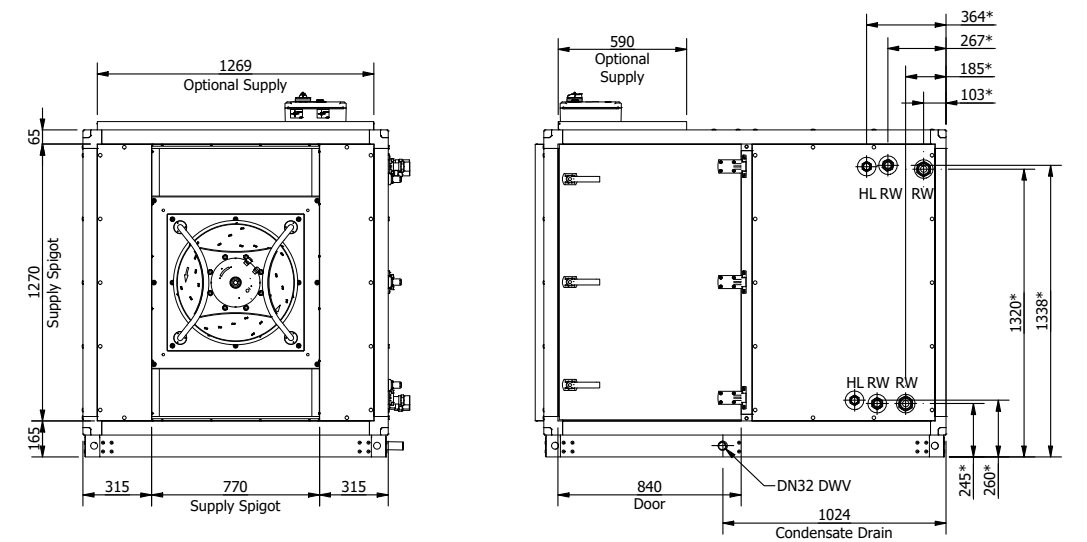
Plan

***Note: Unit handings follow Industry standard for AHU's.**
 When facing the coil with your **back** to the airflow:

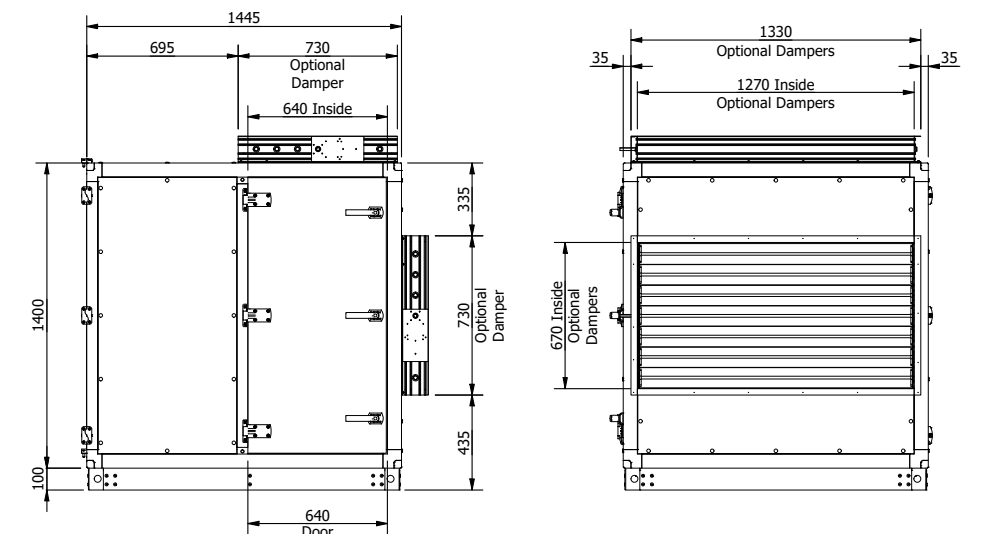
- If the connections are on the right side of the evaporator, then it is a right-hand unit.
- If the connections are on the left side of the evaporator, then it is a left-hand unit.



MT120 AHU



MT120 Plenum



MT 180

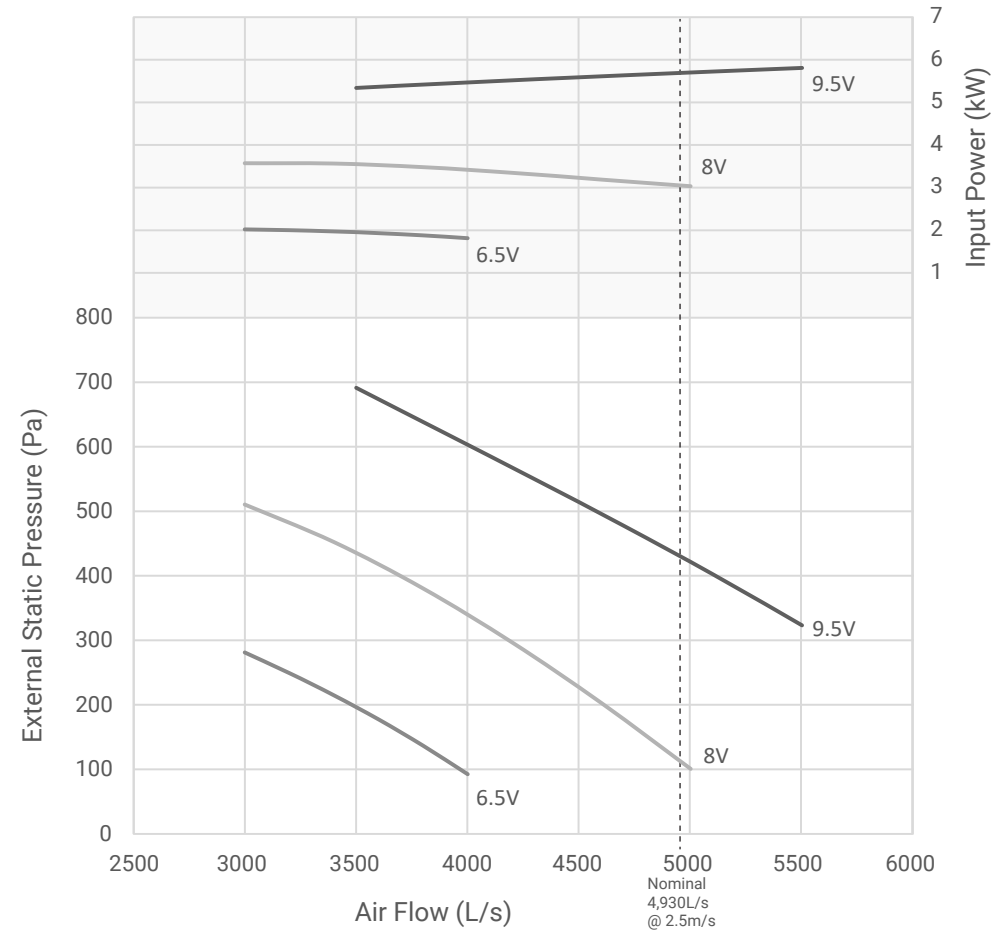
			Low Air flow (approx 1.5m/s)						Nominal Air flow (approx 2.5m/s)					
4 row chilled water coil			3000 L/s						4800 L/s					
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp						Entering water temp					
			6		7		8		6		7		8	
			T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW
23/17	1.6	8	53	41	49	39	44	37	63	54	58	52	53	51
	2.4	16	61	44	56	42	51	40	75	60	70	57	63	55
	3.2	27	66	46	61	44	55	42	85	63	78	61	71	58
27/19	1.6	8	65	50	61	49	56	47	76	68	72	66	66	64
	2.4	16	75	55	70	53	65	50	93	74	86	72	80	69
	3.2	27	82	57	76	55	71	53	104	79	97	76	90	73
31/21	1.6	8	78	60	73	58	69	57	91	81	85	79	80	78
	2.4	16	90	65	85	63	80	61	110	88	104	86	97	84
	3.2	27	98	68	92	66	87	64	124	94	116	91	110	88
35/24	1.6	8	96	66	92	65	87	63	111	89	105	87	100	86
	2.4	16	113	73	108	71	102	69	136	97	130	95	123	93
	3.2	27	124	77	118	74	112	72	155	104	148	101	140	99
6 row chilled water coil														
23/17	2.4	8	67	48	62	45	57	43	82	65	76	62	69	59
	3.6	16	74	51	68	48	62	46	96	70	83	67	80	64
	4.8	27	78	53	72	50	66	47	104	74	96	70	87	67
27/19	2.4	8	83	59	77	57	72	54	101	81	94	78	87	75
	3.6	16	91	63	85	60	79	58	117	87	109	84	101	81
	4.8	27	96	65	90	62	83	59	128	92	119	88	111	85
31/21	2.4	8	99	70	93	68	88	66	119	96	113	93	106	91
	3.6	16	109	75	103	72	97	69	140	104	132	101	124	97
	4.8	27	115	77	109	74	102	72	153	109	145	106	136	102
35/24	2.4	8	123	78	118	76	112	74	148	106	141	106	134	101
	3.6	16	138	84	131	82	125	79	175	115	166	112	158	109
	4.8	27	147	88	140	85	133	82	192	122	184	119	174	115
8 row chilled water coil														
23/17	3.2	8	78	53	72	50	66	47	100	73	93	70	85	67
	4.8	16	83	55	77	52	70	49	113	79	104	75	95	71
	6.4	27	86	57	80	54	73	50	121	83	111	78	102	74
27/19	3.2	8	96	66	90	63	84	60	124	91	116	88	108	84
	4.8	16	103	69	96	66	90	63	139	98	130	94	121	90
	6.4	27	106	70	100	67	92	64	149	102	139	98	129	94
31/21	3.2	8	116	78	109	75	103	72	148	108	139	103	131	102
	4.8	16	126	82	117	79	110	75	166	116	157	112	148	108
	6.4	27	128	84	121	80	114	77	179	121	169	117	159	113
35/24	3.2	8	145	88	139	85	132	82	183	120	175	117	167	114
	4.8	16	157	93	150	90	143	87	210	130	200	127	190	123
	6.4	27	162	95	156	92	148	89	225	137	215	133	205	128

			Low Air flow (approx 1.5m/s)			Nominal Air flow (approx 2.5m/s)		
1 row hot water coil			3000 L/s			4800 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp			Entering water temp		
			50	65	80	50	65	80
7	0.4	6	47	63	79	52	71	90
	0.7	16	57	77	97	69	93	117
	1.0	29	63	85	107	78	106	133
15	0.4	6	38	54	70	43	62	80
	0.7	16	46	66	86	56	80	104
	1.0	29	51	73	95	64	91	118
21	0.4	6	31	48	64	36	54	72
	0.7	16	38	58	78	46	70	94
	1.0	29	42	64	86	53	80	107
2 row hot water coil								
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp			Entering water temp		
			50	65	80	50	65	80
7	1.0	9	89	120	150	108	146	184
	1.5	18	98	132	166	125	169	213
	2.0	29	104	140	176	135	183	230
15	1.0	9	72	102	133	88	125	163
	1.5	18	79	113	147	101	144	187
	2.0	29	84	119	155	110	156	203
21	1.0	9	59	90	120	73	110	148
	1.5	18	65	99	132	83	126	169
	2.0	29	69	104	140	90	137	184

Performance Data

MT 180

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 51 for filter pressure drop.

Sound Levels

Test Conditions: BS 848 PT2 1985
 Installation Type A (free inlet and outlet)
 Direct method of measurement (reverberant room)
 Measured in decibels re 1 picowatt

IN DUCT			OCTAVE BAND CENTRE FREQUENCY							
Air Flow L/s	Fan Speed	SWL dB(A)	63	125	250	500	1K	2k	4k	8k
3,000	6V	77	75	80	76	74	73	68	60	52
4,000	8V	83	81	86	82	81	79	74	66	58
5,000	10V	88	83	91	86	85	84	80	71	62

Dimensions

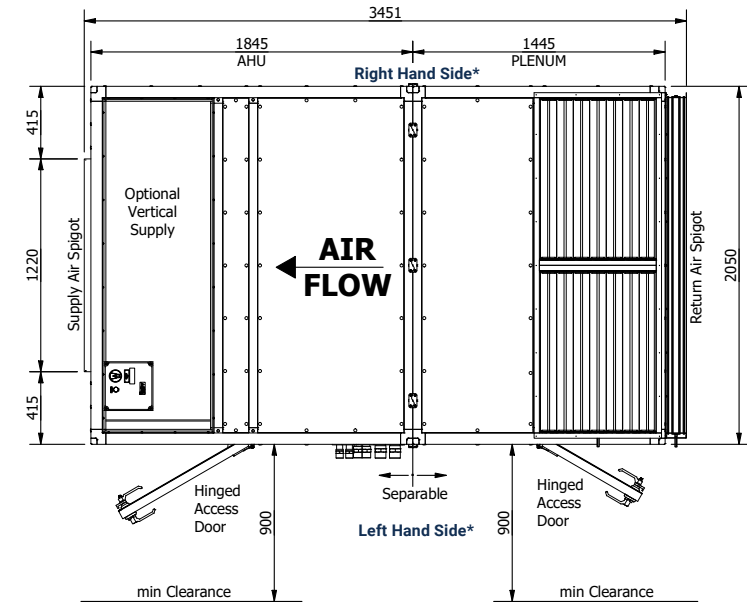
Note: All measurements are in millimetres (mm)

Plan

***Note: Unit handings follow Industry standard for AHU's.**

When facing the coil with your **back** to the airflow:

- If the connections are on the right side of the evaporator, then it is a right-hand unit.
- If the connections are on the left side of the evaporator, then it is a left-hand unit.



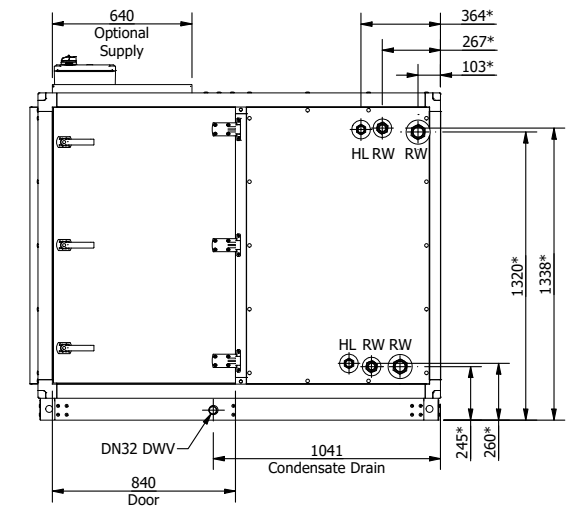
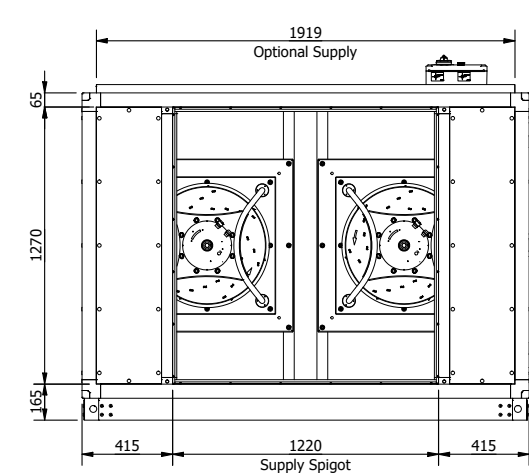
MT180 AHU	
COIL CONFIG	WEIGHT (kg)
4C 1H	464
6C 1H	511
4C 2H	481
6C 2H	528
4C 0H	435
6C 0H	481

MT180 PLENUM	
CONFIGURATION	WEIGHT (kg)
HORIZONTAL BARE	184
VERTICAL BARE	199
DAMPER MIX	215

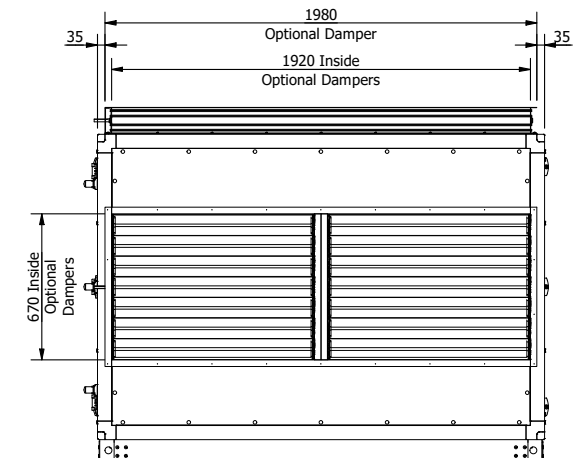
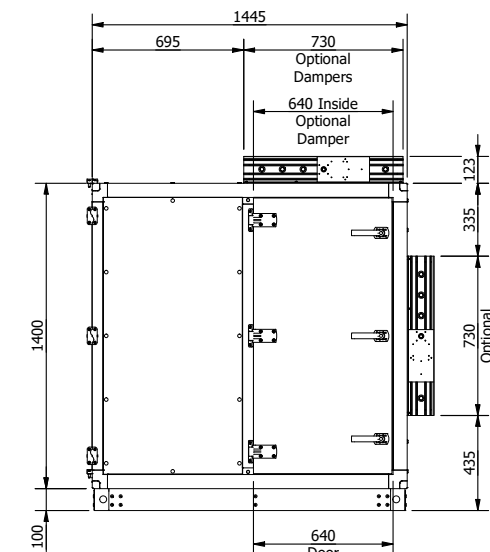
NOTE:

- * Coil connection may vary due to manufacturing tolerances. For more precise representations refer to available 3D geometry.
- Weights listed are approximate.

MT180 AHU



MT180 Plenum



MT 270

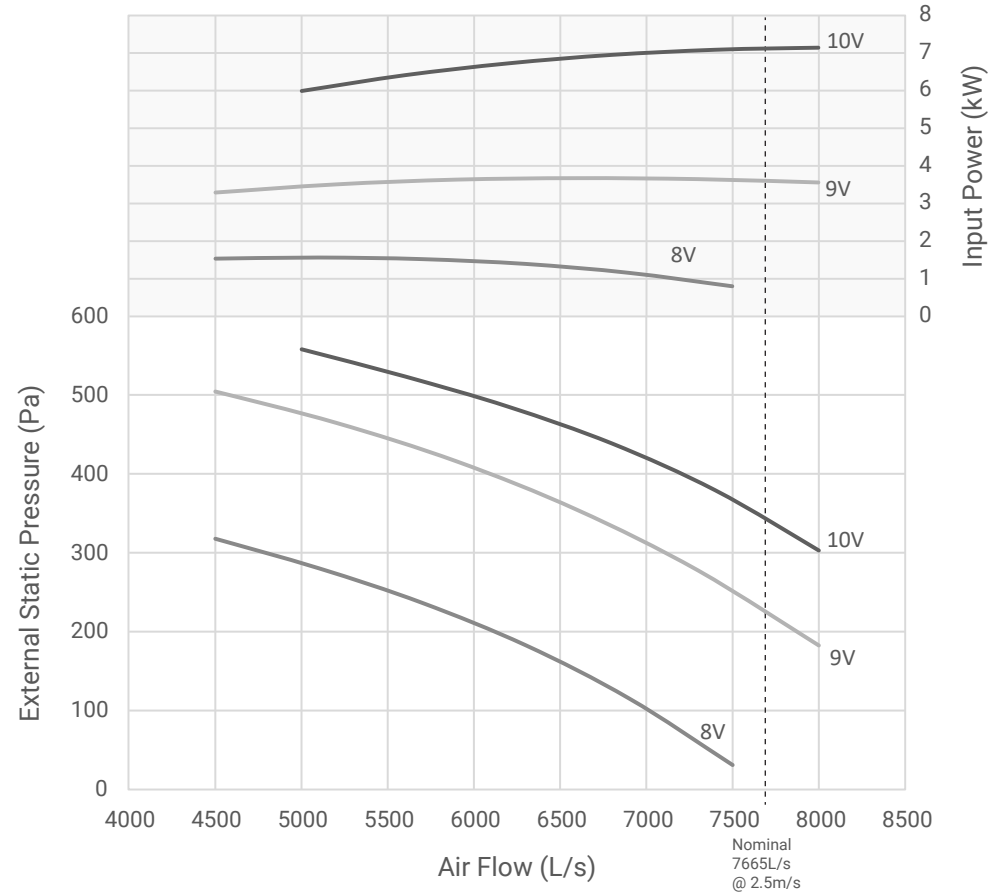
			Low Air flow (approx 1.5m/s)						Nominal Air flow (approx 2.5m/s)					
4 row chilled water coil			4500 L/s						7500 L/s					
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp						Entering water temp					
			6		7		8		6		7		8	
			T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW
23/17	2.8	9	85	63	78	60	71	57	103	87	95	84	86	80
	4.2	19	97	68	89	65	81	62	124	96	114	91	103	87
	5.6	31	104	71	95	68	87	64	138	101	127	97	115	92
27/19	2.8	9	104	78	97	76	90	73	126	109	117	106	109	102
	4.2	19	119	85	111	81	103	78	151	119	141	115	131	111
	5.6	31	127	88	119	85	110	81	169	126	158	121	146	117
31/21	2.8	9	124	93	117	90	110	88	149	129	141	127	132	123
	4.2	19	142	100	134	97	126	94	180	141	170	137	158	133
	5.6	31	153	105	144	101	135	98	202	149	190	145	178	140
35/24	2.8	9	155	103	148	101	140	98	184	142	174	139	166	137
	4.2	19	179	113	171	109	162	106	223	156	213	152	202	148
	5.6	31	195	119	186	115	176	111	254	166	241	162	228	157
6 row chilled water coil														
23/17	4.2	9	106	74	98	70	89	66	135	104	124	99	113	95
	6.3	19	116	78	106	74	97	70	156	113	144	108	130	102
	8.4	31	121	81	112	77	102	72	169	119	155	113	142	107
27/19	4.2	9	130	92	121	88	113	84	165	129	154	125	143	120
	6.3	19	142	97	132	92	123	88	191	140	178	134	165	129
	8.4	31	149	100	140	96	130	91	207	147	193	141	179	135
31/21	4.2	9	156	109	147	105	139	101	197	154	186	149	175	145
	6.3	19	170	115	161	111	151	107	228	166	215	161	202	155
	8.4	31	180	119	169	114	159	110	247	174	234	168	220	162
35/24	4.2	9	196	122	188	119	178	115	244	170	233	166	220	162
	6.3	19	216	130	206	126	196	122	285	185	273	180	259	175
	8.4	31	228	135	218	131	207	126	313	196	298	190	283	184
8 row chilled water coil														
23/17	5.6	9	121	81	112	77	102	73	164	118	151	112	138	107
	8.4	19	129	85	119	80	109	76	183	126	169	120	154	113
	11.2	31	132	86	122	82	112	77	194	131	179	125	163	117
27/19	5.6	9	150	101	140	96	130	92	200	145	189	140	175	135
	8.4	19	159	105	148	100	138	95	225	156	210	150	194	143
	11.2	31	163	107	152	102	142	97	239	163	223	155	208	149
31/21	5.6	9	180	120	170	115	160	111	238	172	225	167	211	161
	8.4	19	190	124	180	120	170	115	269	185	255	179	240	173
	11.2	31	195	127	186	122	174	117	286	193	272	186	255	179
35/24	5.6	9	228	136	218	132	207	127	300	193	286	188	272	182
	8.4	19	242	143	231	137	220	133	339	209	324	202	308	196
	11.2	31	250	146	239	141	227	136	363	219	347	212	330	205

			Low Air flow (approx 1.5m/s)			Nominal Air flow (approx 2.5m/s)		
1 row hot water coil			4500 L/s			7500 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp			Entering water temp		
			50	65	80	50	65	80
7	1.0	5	83	113	142	101	136	171
	1.5	9	93	126	158	116	157	197
	2.0	15	98	133	167	127	171	215
15	1.0	5	68	97	126	82	117	152
	1.5	9	76	108	140	94	135	175
	2.0	15	80	114	148	103	147	190
21	1.0	5	56	85	114	68	103	138
	1.5	9	62	94	126	78	118	159
	2.0	15	66	100	134	85	128	172
2 row hot water coil								
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp			Entering water temp		
			50	65	80	50	65	80
7	2.0	11	144	194	244	184	249	313
	2.5	17	151	203	256	198	267	336
	3.0	23	156	210	265	208	280	353
15	2.0	11	116	166	216	149	213	277
	2.5	17	122	174	226	160	228	296
	3.0	23	126	180	234	168	240	312
21	2.0	11	96	145	195	123	187	251
	2.5	17	100	152	204	132	200	268
	3.0	23	103	157	210	138	211	282

Performance Data

MT 270

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 51 for filter pressure drop.

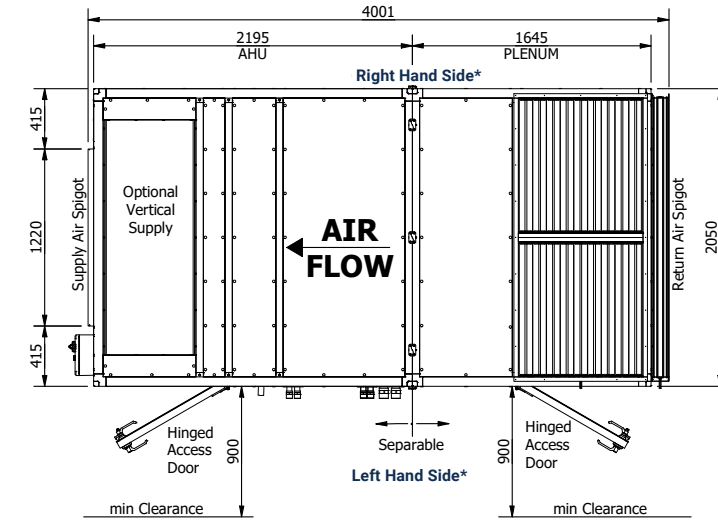
Sound Levels

Test Conditions: BS 848 PT2 1985
 Installation Type A (free inlet and outlet)
 Direct method of measurement (reverberant room)
 Measured in decibels re 1 picowatt

IN DUCT			OCTAVE BAND CENTRE FREQUENCY							
Air Flow L/s	Fan Speed	SWL dB(A)	63	125	250	500	1K	2k	4k	8k
			Sound Power Level dB							
3,500	6V	81	79	84	80	78	77	72	64	56
5,500	8V	87	84	90	86	84	83	78	69	63
7,500	10V	91	89	94	90	88	87	82	74	66

Dimensions

Note: All measurements are in millimetres (mm)



MT270 AHU	
COIL CONFIG	WEIGHT (kg)
4C 1H	700
6C 1H	791
4C 2H	726
6C 2H	817
4C 0H	632
6C 0H	723

MT270 PLENUM	
CONFIGURATION	WEIGHT (kg)
HORIZONTAL BARE	343
VERTICAL BARE	344
DAMPER MIX	362

NOTE:

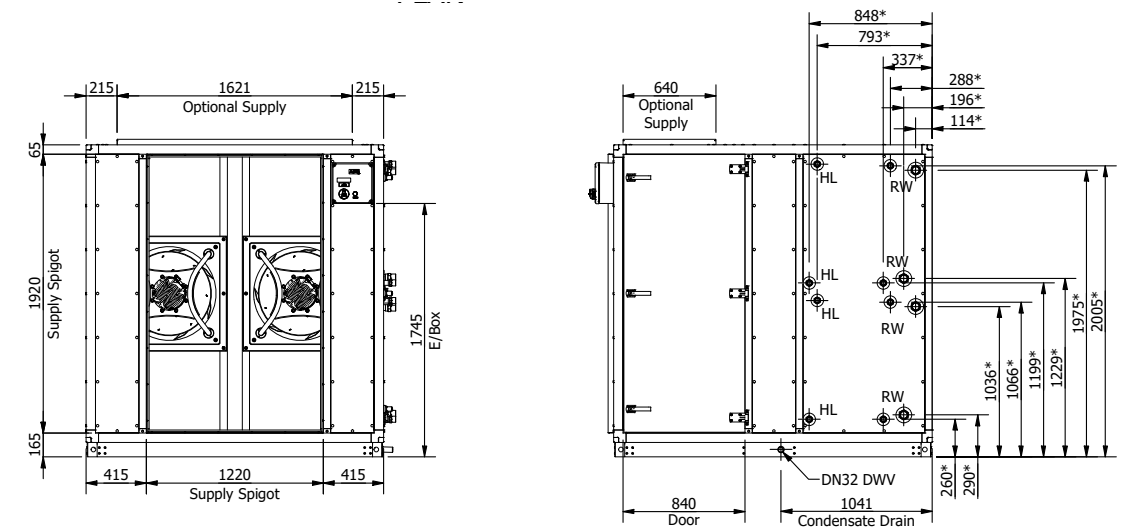
- Coil connection may vary due to manufacturing tolerances. For more precise representations refer to available 3D geometry.
- Weights listed are approximate.

Plan

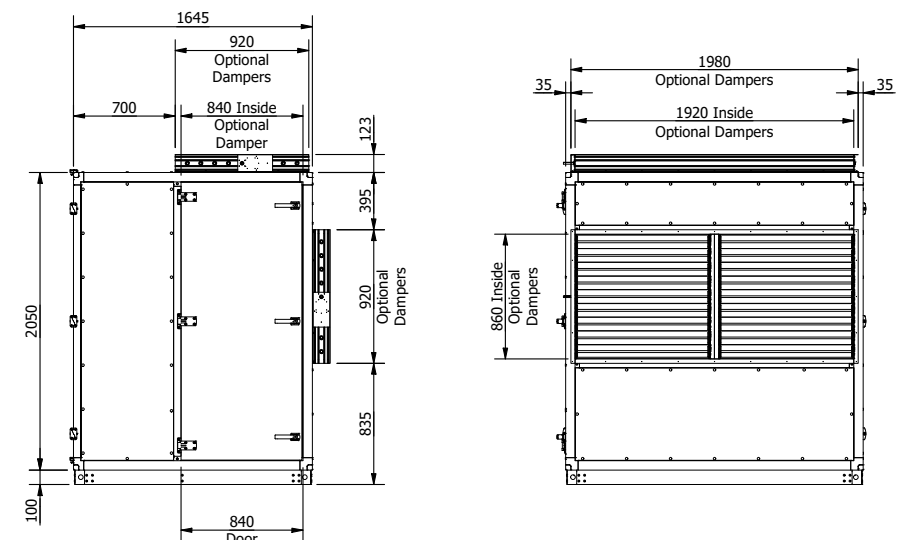
***Note: Unit handings follow Industry standard for AHU's.**
 When facing the coil with your **back** to the airflow:

- If the connections are on the right side of the evaporator, then it is a right-hand unit.
- If the connections are on the left side of the evaporator, then it is a left-hand unit.

MT270 AHU



MT270 Plenum



MT 360

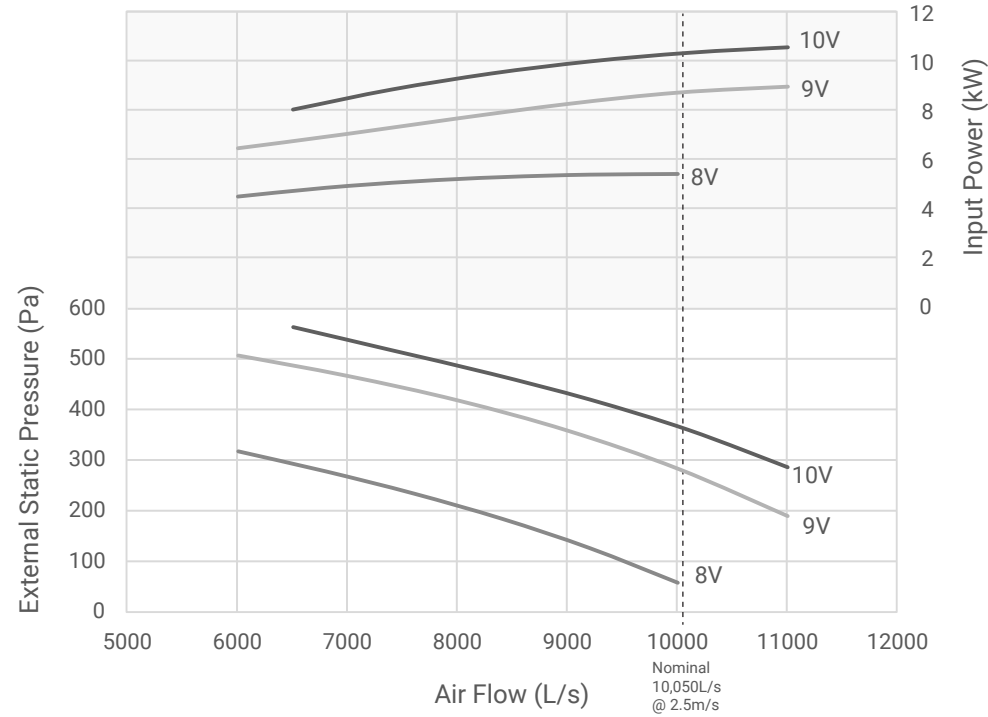
			Low Air flow (approx 1.5m/s)						Nominal Air flow (approx 2.5m/s)					
4 row chilled water coil			6000 L/s						10000 L/s					
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp						Entering water temp					
			6		7		8		6		7		8	
			T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW
23/17	4.0	4	127	86	117	82	107	77	144	115	129	110	121	103
	6.0	7	138	94	128	89	118	84	176	128	155	122	133	116
	8.0	12	147	99	134	93	124	88	181	138	170	130	147	123
27/19	4.0	4	148	108	141	103	130	98	166	144	162	137	145	132
	6.0	7	171	116	158	111	143	106	195	161	183	154	163	148
	8.0	12	177	122	167	116	154	110	221	170	204	163	184	156
31/21	6.0	7	208	138	191	133	180	127	238	190	225	183	208	177
	8.0	12	214	144	204	138	191	133	268	202	247	195	227	187
	10.0	17	222	148	209	142	196	136	280	210	259	202	242	194
35/24	6.0	7	263	157	253	152	241	147	322	213	301	208	286	201
	8.0	12	281	165	264	159	251	154	348	229	328	222	311	215
	10.0	17	288	169	272	164	263	158	368	239	347	232	326	224
6 row chilled water coil														
23/17	6.0	4	163	105	152	99	140	93	210	145	198	137	180	129
	9.0	7	173	111	160	105	147	98	237	160	219	151	199	142
	12.0	12	181	114	163	107	151	101	251	168	230	158	210	149
27/19	6.0	4	198	130	186	124	175	117	259	179	240	171	222	164
	9.0	7	215	137	199	130	185	124	294	197	271	188	252	179
	12.0	12	221	140	206	133	191	127	306	207	283	197	266	188
31/21	6.0	4	238	154	226	148	218	141	306	213	284	206	269	198
	9.0	7	255	161	237	155	226	149	339	234	325	225	305	216
	12.0	12	261	166	245	159	236	152	366	245	346	236	326	226
35/24	6.0	4	307	175	294	169	278	163	392	240	369	233	351	226
	9.0	7	324	185	312	179	297	173	444	266	418	258	402	249
	12.0	12	336	191	321	184	305	177	472	280	451	271	432	262
8 row chilled water coil														
23/17	9.0	5	185	117	170	110	155	103	265	172	244	162	227	152
	12.0	7	191	120	175	112	160	105	276	180	256	170	236	159
	15.0	11	192	121	176	113	163	106	288	186	264	175	244	164
27/19	9.0	5	225	143	211	137	197	130	317	212	301	202	285	192
	12.0	7	231	146	216	140	201	132	346	222	318	212	296	201
	15.0	11	234	148	219	141	203	133	355	228	326	217	306	206
31/21	9.0	5	267	170	254	163	242	156	383	251	365	242	355	231
	12.0	7	276	173	261	166	246	159	409	263	388	253	364	242
	15.0	11	279	175	264	168	249	161	420	270	395	259	370	249
35/24	9.0	5	342	195	328	188	312	181	493	285	463	277	444	267
	12.0	7	351	199	336	192	321	185	522	301	497	291	472	281
	15.0	11	355	202	340	195	325	187	539	309	513	299	489	288

			Low Air flow (approx 1.5m/s)			Nominal Air flow (approx 2.5m/s)		
1 row hot water coil			6000 L/s			10000 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp			Entering water temp		
			50	65	80	50	65	80
7	2.0	2	100	136	173	121	166	212
	3.0	3	109	149	189	137	187	238
	4.0	5	115	156	198	146	199	253
15	2.0	2	81	118	154	99	143	189
	3.0	3	89	128	168	111	161	211
	4.0	5	93	134	175	118	171	224
21	2.0	2	67	103	139	82	126	171
	3.0	3	73	112	152	92	141	191
	4.0	5	77	118	159	98	150	203
2 row hot water coil								
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp			Entering water temp		
			50	65	80	50	65	80
7	4.0	10	179	243	305	234	318	402
	5.0	14	185	250	315	246	333	421
	6.0	19	190	256	321	254	344	434
15	4.0	10	145	208	270	189	273	356
	5.0	14	150	214	278	199	286	373
	6.0	19	153	219	284	206	295	384
21	4.0	10	120	182	244	157	239	322
	5.0	14	124	188	251	164	251	337
	6.0	19	126	191	256	170	258	347

Performance Data

MT 360

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 51 for filter pressure drop.

Sound Levels

Test Conditions: BS 848 PT2 1985
 Installation Type A (free inlet and outlet)
 Direct method of measurement (reverberant room)
 Measured in decibels re 1 picowatt

IN DUCT			OCTAVE BAND CENTRE FREQUENCY							
Air Flow L/s	Fan Speed	SWL dB(A)	63	125	250	500	1K	2k	4k	8k
			Sound Power Level dB							
6,000	6V	82	80	85	81	80	78	73	65	57
8,000	8V	88	86	92	87	86	84	80	71	64
10,000	10V	93	91	96	92	90	89	84	76	68

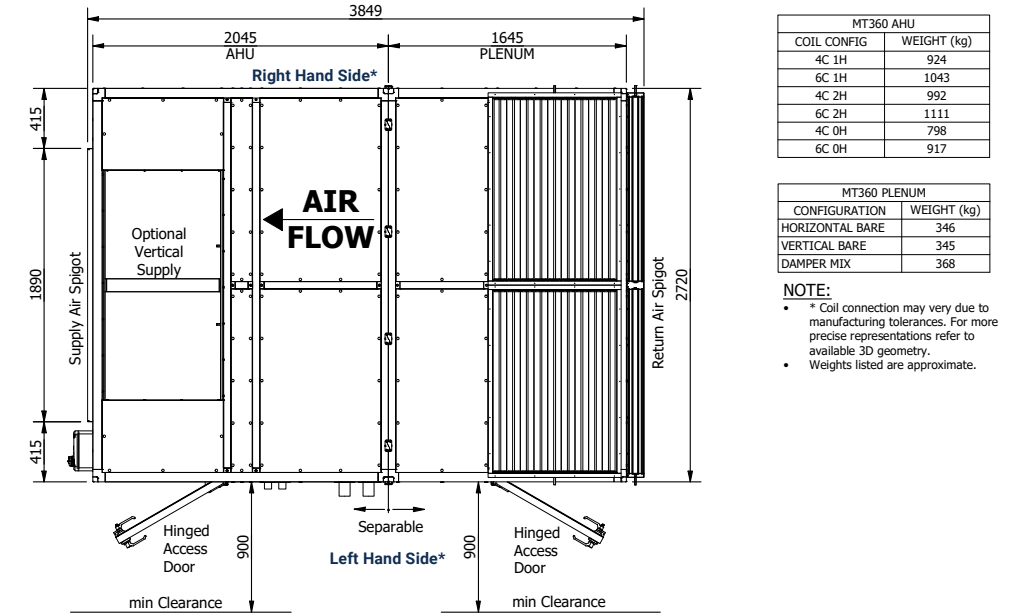
Dimensions

Note: All measurements are in millimetres (mm)

Plan

***Note:** Unit handings follow Industry standard for AHU's.

- When facing the coil with your **back** to the airflow:
- If the connections are on the right side of the evaporator, then it is a right-hand unit.
 - If the connections are on the left side of the evaporator, then it is a left-hand unit.



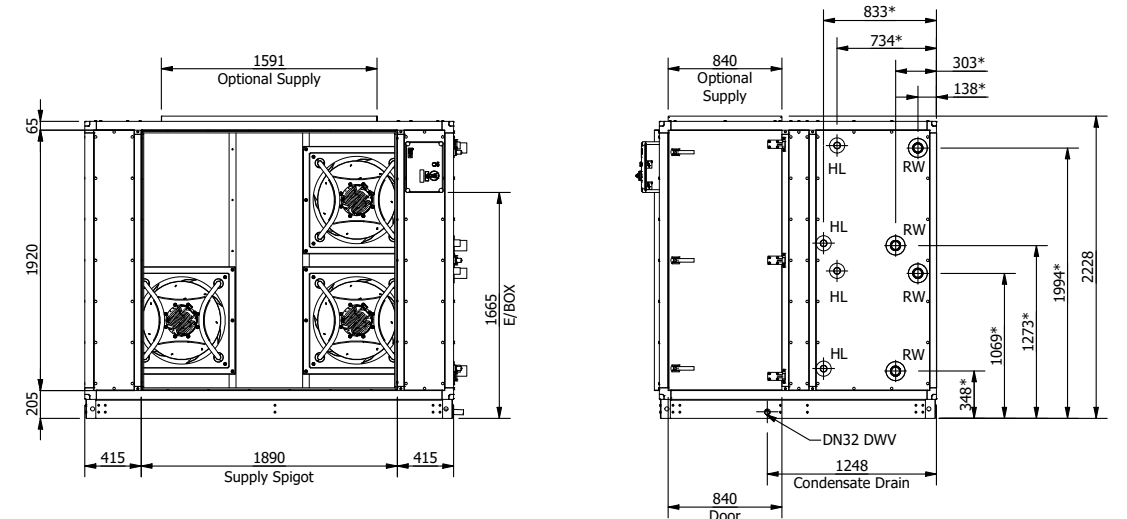
MT360 AHU	
COIL CONFIG	WEIGHT (kg)
4C 1H	924
6C 1H	1043
4C 2H	992
6C 2H	1111
4C 0H	798
6C 0H	917

MT360 PLENUM	
CONFIGURATION	WEIGHT (kg)
HORIZONTAL BARE	346
VERTICAL BARE	345
DAMPER MIX	368

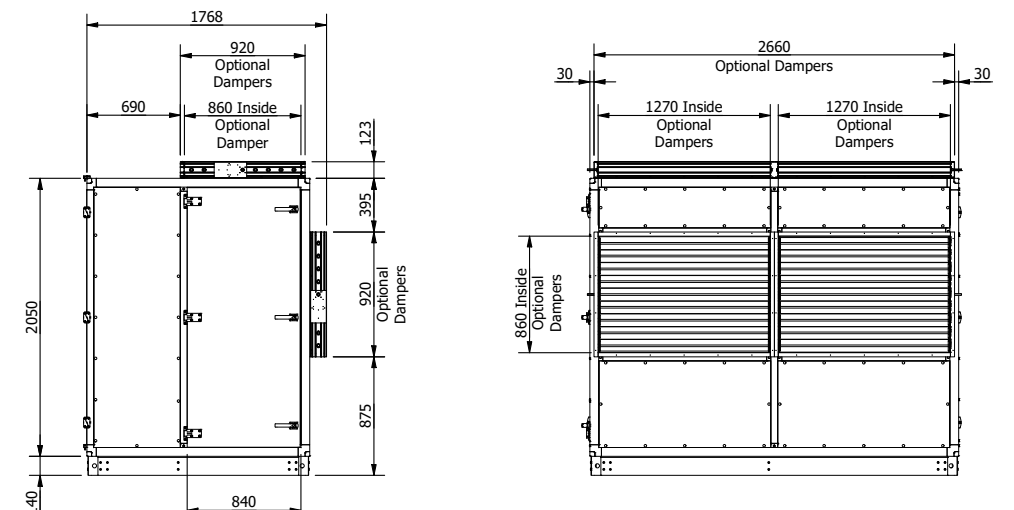
NOTE:

- * Coil connection may vary due to manufacturing tolerances. For more precise representations refer to available 3D geometry.
- Weights listed are approximate.

MT360 AHU



MT360 Plenum



MT 450

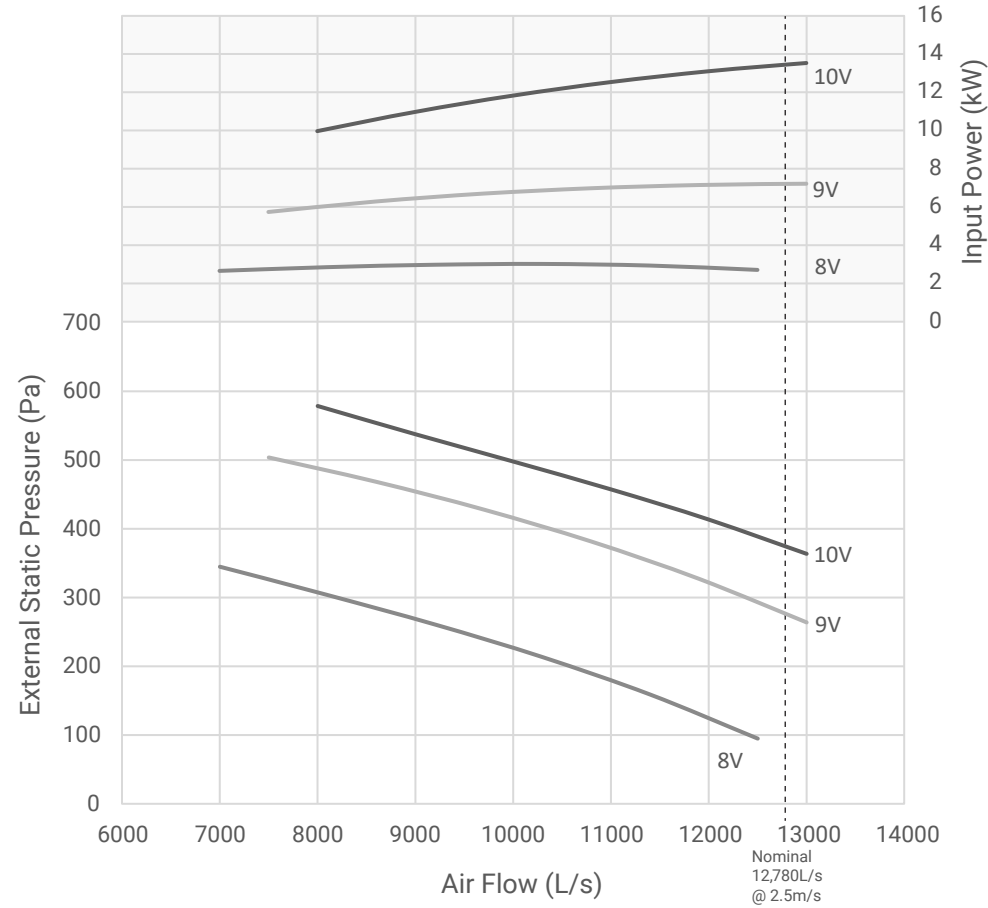
			Low Air flow (approx 1.5m/s)						Nominal Air flow (approx 2.5m/s)					
4 row chilled water coil			7500 L/s						12500 L/s					
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp						Entering water temp					
			6		7		8		6		7		8	
			T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW
23/17	6.0	9	173	115	163	108	146	102	203	156	188	147	173	139
	9.0	17	188	123	177	116	155	110	237	172	211	163	199	153
	12.0	28	196	128	181	120	163	113	251	181	226	172	206	161
27/19	6.0	9	211	142	198	135	185	129	241	194	221	187	203	179
	9.0	17	230	152	211	145	196	138	282	213	256	204	233	195
	12.0	28	241	157	221	150	203	143	301	224	276	214	256	204
31/21	6.0	9	253	168	241	162	226	155	290	230	271	222	251	215
	9.0	17	271	180	260	173	241	166	332	253	324	242	297	234
	12.0	28	281	186	264	179	246	171	361	265	331	256	311	246
35/24	6.0	9	321	191	309	185	296	178	379	257	351	252	329	245
	9.0	17	350	206	331	199	316	192	433	286	410	278	391	268
	12.0	28	361	214	346	206	331	199	472	302	444	293	416	283
6 row chilled water coil														
23/17	9.0	9	217	137	198	129	181	121	286	195	263	184	233	174
	12.0	15	221	141	203	133	185	125	304	206	282	195	251	184
	15.0	21	226	144	208	135	190	127	320	213	291	202	263	190
27/19	9.0	9	259	169	244	161	226	153	350	240	330	229	301	219
	12.0	15	268	174	255	166	233	157	378	254	355	242	326	231
	15.0	21	277	177	257	168	239	160	389	263	367	251	338	239
31/21	9.0	9	312	200	294	192	277	184	425	284	401	274	376	263
	12.0	15	322	206	303	197	287	189	451	301	427	290	391	279
	15.0	21	326	209	309	200	291	192	464	312	439	300	405	288
35/24	9.0	9	395	229	380	221	365	213	545	321	515	312	489	302
	12.0	15	415	236	393	228	375	220	582	343	552	332	533	320
	15.0	21	420	240	402	232	383	224	605	356	577	344	550	332
8 row chilled water coil														
23/17	10.0	7	230	146	212	138	192	129	324	214	301	202	268	191
	15.0	13	237	150	220	141	201	133	351	229	323	216	294	203
	20.0	21	244	152	223	143	203	134	364	236	336	222	308	208
27/19	10.0	7	281	180	263	171	247	162	390	265	368	253	343	241
	15.0	13	289	185	271	176	252	166	429	282	402	269	370	256
	20.0	21	292	187	275	178	256	168	445	291	418	276	387	262
31/21	10.0	7	339	212	317	204	297	196	468	313	439	302	413	290
	15.0	13	345	219	328	209	308	200	515	333	484	321	457	308
	20.0	21	351	221	333	211	312	202	535	343	505	330	475	316
35/24	10.0	7	429	243	409	235	390	227	597	356	569	345	543	333
	15.0	13	440	251	421	242	403	233	658	381	628	369	596	356
	20.0	21	446	254	426	245	408	236	685	394	657	380	625	367

			Low Air flow (approx 1.5m/s)			Nominal Air flow (approx 2.5m/s)		
1 row hot water coil			7500 L/s			12500 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp			Entering water temp		
			50	65	80	50	65	80
7	3.0	4	135	183	232	167	228	289
	4.0	6	142	193	244	179	244	310
	5.0	9	147	200	252	188	255	324
15	3.0	4	109	157	206	136	196	257
	4.0	6	115	166	217	146	210	275
	5.0	9	119	171	224	152	220	287
21	3.0	4	90	138	186	112	172	233
	4.0	6	95	146	196	121	185	249
	5.0	9	99	150	202	126	193	260
2 row hot water coil								
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp			Entering water temp		
			50	65	80	50	65	80
7	4.0	12	220	297	374	283	385	486
	6.0	23	234	316	396	311	421	532
	8.0	37	242	326	408	327	442	557
15	4.0	12	178	255	331	230	330	431
	6.0	23	189	270	351	252	362	471
	8.0	37	196	279	361	265	379	493
21	4.0	12	147	223	299	190	290	390
	6.0	23	156	237	317	208	317	426
	8.0	37	161	244	326	218	332	445

Performance Data

MT 450

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 51 for filter pressure drop.

Sound Levels

Test Conditions: BS 848 PT2 1985
 Installation Type A (free inlet and outlet)
 Direct method of measurement (reverberant room)
 Measured in decibels re 1 picowatt

IN DUCT			OCTAVE BAND CENTRE FREQUENCY							
Air Flow L/s	Fan Speed	SWL dB(A)	63	125	250	500	1K	2k	4k	8k
7,500	6V	84	81	87	83	81	79	74	66	58
10,000	8V	90	87	93	89	87	86	81	72	65
12,500	10V	94	92	97	93	91	90	85	77	69

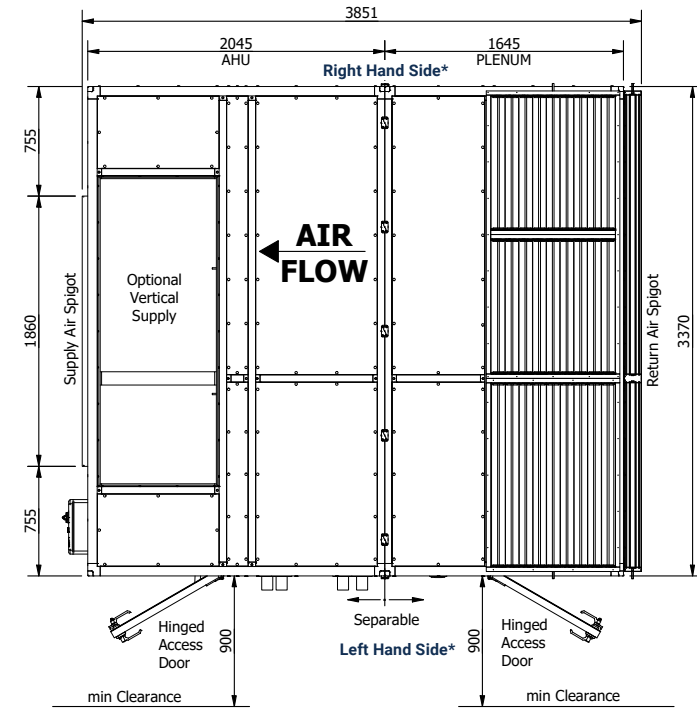
Dimensions

Note: All measurements are in millimetres (mm)

Plan

***Note: Unit handings follow Industry standard for AHU's.**

- When facing the coil with your **back** to the airflow:
- If the connections are on the right side of the evaporator, then it is a right-hand unit.
 - If the connections are on the left side of the evaporator, then it is a left-hand unit.



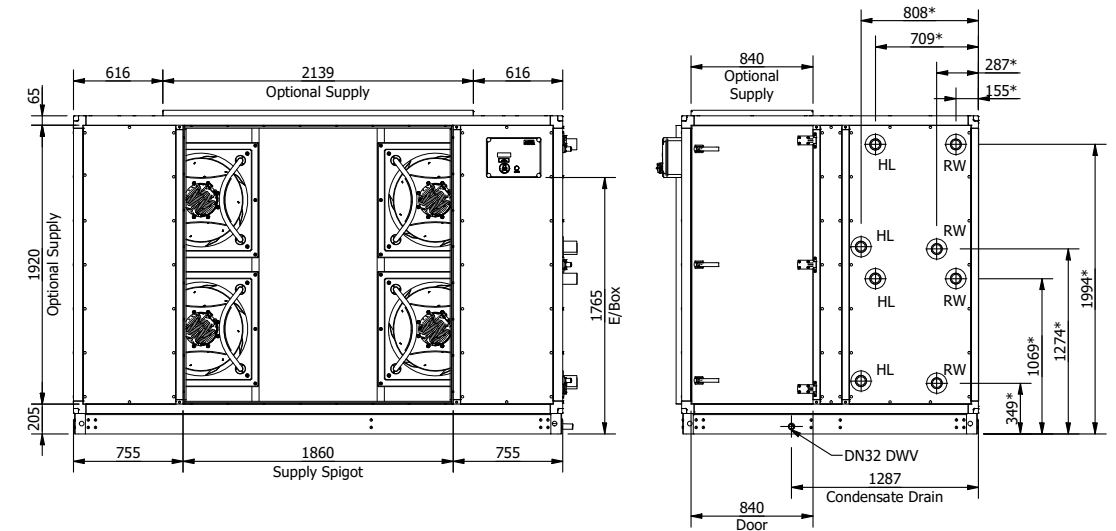
MT450 AHU	
COIL CONFIG	WEIGHT (kg)
4C 1H	1091
6C 1H	1242
4C 2H	1179
6C 2H	1330
4C 0H	937
6C 0H	1088

MT450 PLENUM	
CONFIGURATION	WEIGHT (kg)
HORIZONTAL BARE	387
VERTICAL BARE	387
DAMPER MIX	418

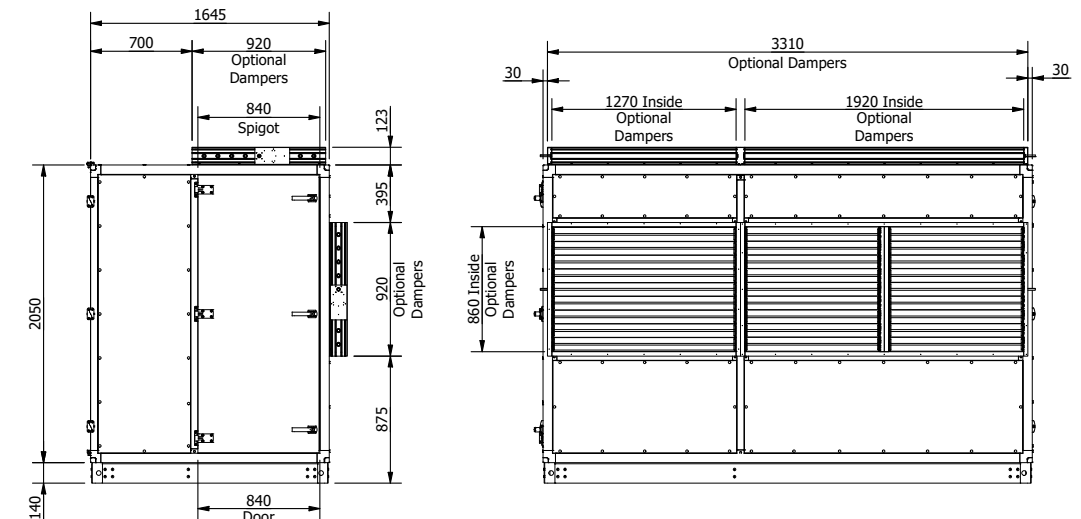
NOTE:

- * Coil connection may vary due to manufacturing tolerances. For more precise representations refer to available 3D geometry.
- Weights listed are approximate.

MT450 AHU



MT450 Plenum



MT 540

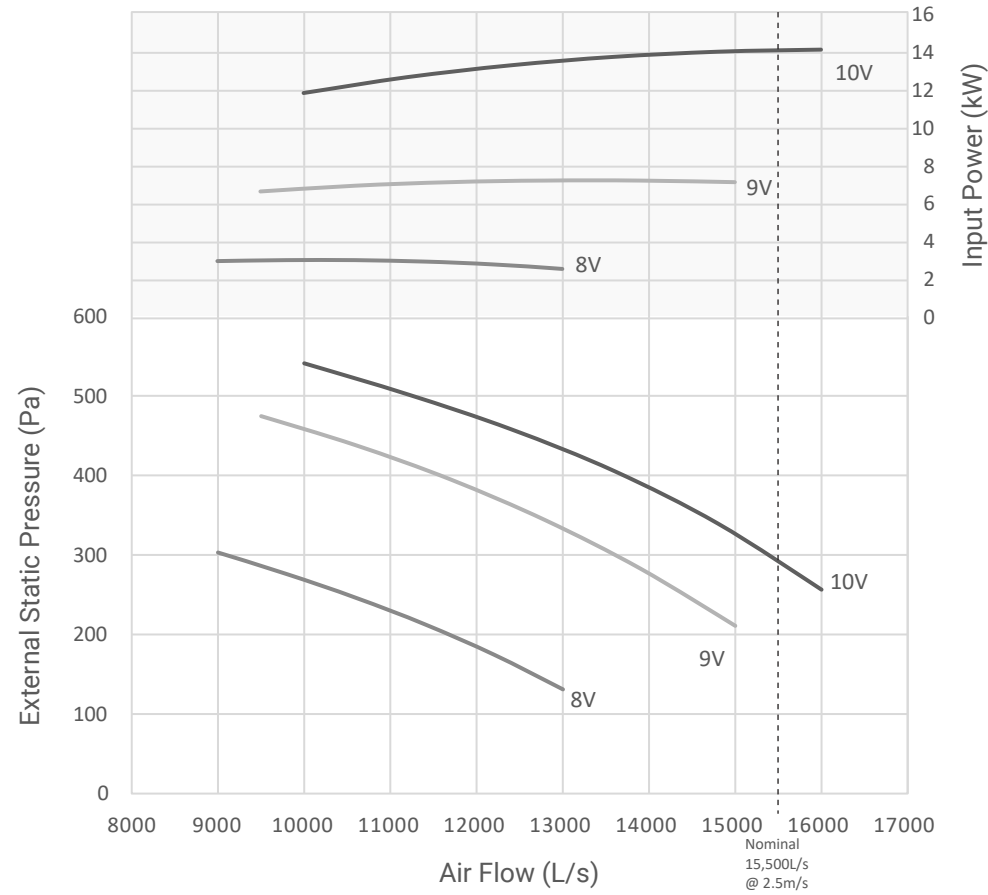
			Low Air flow (approx 1.5m/s)						Nominal Air flow (approx 2.5m/s)					
4 row chilled water coil			9000 L/s						15000 L/s					
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp						Entering water temp					
			6		7		8		6		7		8	
			T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW	T kW	S kW
23/17	6.0	10	193	135	186	127	179	119	223	183	216	170	198	161
	9.0	21	218	146	196	138	185	129	269	202	248	191	226	180
	12.0	34	226	152	206	143	191	134	293	214	266	202	239	191
27/19	6.0	10	237	167	223	159	211	152	281	224	256	216	236	208
	9.0	21	263	180	245	172	229	163	320	250	299	239	275	229
	12.0	34	281	187	261	178	236	169	356	264	331	252	297	241
31/21	6.0	10	281	198	274	190	266	183	329	267	310	258	284	250
	9.0	21	312	213	294	205	282	197	380	297	361	286	338	275
	12.0	34	326	221	316	212	296	204	426	313	391	302	361	291
35/24	6.0	10	353	225	344	217	335	209	419	299	394	292	379	282
	9.0	21	407	243	388	235	369	225	500	335	469	325	448	315
	12.0	34	427	253	407	244	386	236	547	356	523	344	489	334
6 row chilled water coil														
23/17	10.0	13	259	164	239	155	217	145	347	232	326	219	293	207
	14.0	22	269	170	246	160	222	150	386	248	351	235	316	221
	18.0	34	271	174	248	163	226	153	399	258	361	244	323	230
27/19	10.0	13	314	202	288	193	267	184	430	286	402	273	373	261
	14.0	22	328	209	304	200	281	190	468	306	427	293	393	280
	18.0	34	331	213	316	203	294	193	482	318	444	304	414	289
31/21	10.0	13	376	239	358	230	339	220	502	341	477	328	443	316
	14.0	22	394	248	374	238	351	229	538	365	509	351	474	337
	18.0	34	399	252	377	242	354	232	572	378	534	363	497	349
35/24	10.0	13	480	274	460	265	440	255	631	386	615	372	594	359
	14.0	22	497	284	474	275	456	265	702	415	685	399	632	388
	18.0	34	504	290	489	280	466	270	745	431	707	417	662	403
8 row chilled water coil														
23/17	12.0	10	276	176	256	166	236	156	397	261	371	245	336	231
	18.0	21	286	181	264	170	241	159	437	277	399	261	369	245
	24.0	34	290	183	267	172	242	161	452	285	412	268	381	252
27/19	12.0	10	341	217	316	207	296	196	486	321	456	306	422	292
	18.0	21	348	222	325	211	305	201	527	341	504	324	459	309
	24.0	34	354	225	331	214	309	203	542	351	511	334	472	317
31/21	12.0	10	406	257	381	246	363	236	583	380	547	366	512	352
	18.0	21	419	263	397	252	373	241	625	404	595	388	557	372
	24.0	34	424	266	402	255	376	244	662	415	622	398	582	382
35/24	12.0	10	517	294	496	284	476	274	743	431	702	418	678	403
	18.0	21	534	303	511	292	489	281	805	462	768	447	730	431
	24.0	34	537	306	516	295	492	284	833	476	793	460	763	443

			Low Air flow (approx 1.5m/s)			Nominal Air flow (approx 2.5m/s)		
1 row hot water coil			9000 L/s			15000 L/s		
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp			Entering water temp		
			50	65	80	50	65	80
7	3.0	4	158	215	273	194	265	337
	4.5	9	172	233	295	216	295	374
	6.0	14	179	243	307	230	312	395
15	3.0	4	128	185	242	158	228	300
	4.5	9	139	200	261	176	254	332
	6.0	14	145	209	272	186	268	351
21	3.0	4	106	163	219	131	201	272
	4.5	9	115	176	236	146	223	301
	6.0	14	120	183	246	154	236	318
2 row hot water coil								
Air on DB/WB	W. flow L/s	P.D. kPa	Entering water temp			Entering water temp		
			50	65	80	50	65	80
7	5.0	20	269	363	457	350	474	598
	6.0	28	277	374	470	365	494	624
	7.0	36	283	381	479	377	510	643
15	5.0	20	218	311	404	283	407	531
	6.0	28	224	320	415	296	424	553
	7.0	36	229	326	423	305	437	569
21	5.0	20	180	273	365	234	357	480
	6.0	28	185	280	375	244	372	500
	7.0	36	189	286	382	252	383	515

Performance Data

MT 540

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 51 for filter pressure drop.

Sound Levels

Test Conditions: BS 848 PT2 1985
 Installation Type A (free inlet and outlet)
 Direct method of measurement (reverberant room)
 Measured in decibels re 1 picowatt

IN DUCT			OCTAVE BAND CENTRE FREQUENCY							
Air Flow L/s	Fan Speed	SWL dB(A)	63	125	250	500	1K	2k	4k	8k
			Sound Power Level dB							
8,000	6V	84	81	87	83	81	79	74	66	58
11,000	8V	90	87	93	89	87	86	81	72	65
15,000	10V	94	92	97	93	91	90	85	77	69

Dimensions

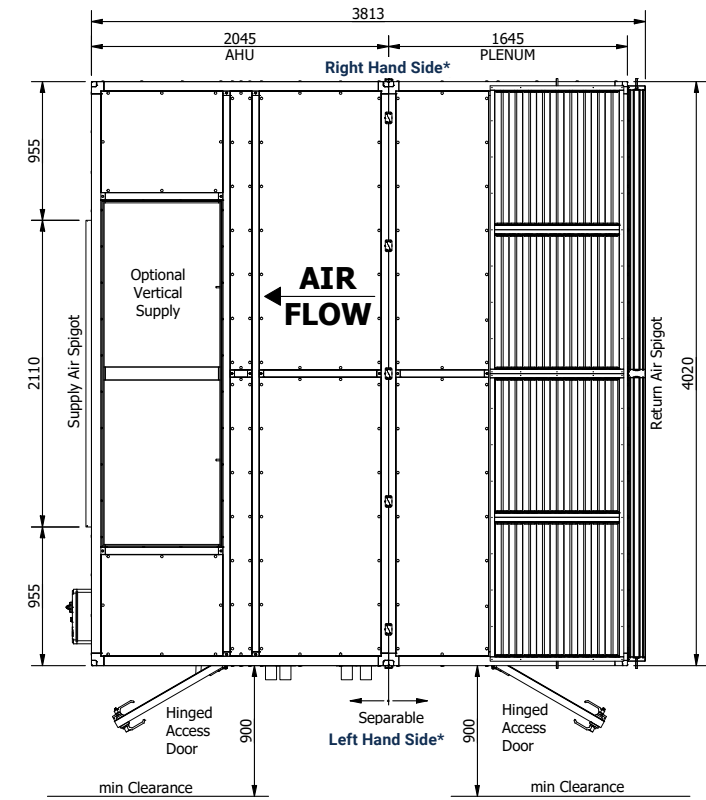
Note: All measurements are in millimetres (mm)

Plan

***Note:** Unit handings follow Industry standard for AHU's.

When facing the coil with your **back** to the airflow:

- If the connections are on the right side of the evaporator, then it is a right-hand unit.
- If the connections are on the left side of the evaporator, then it is a left-hand unit.



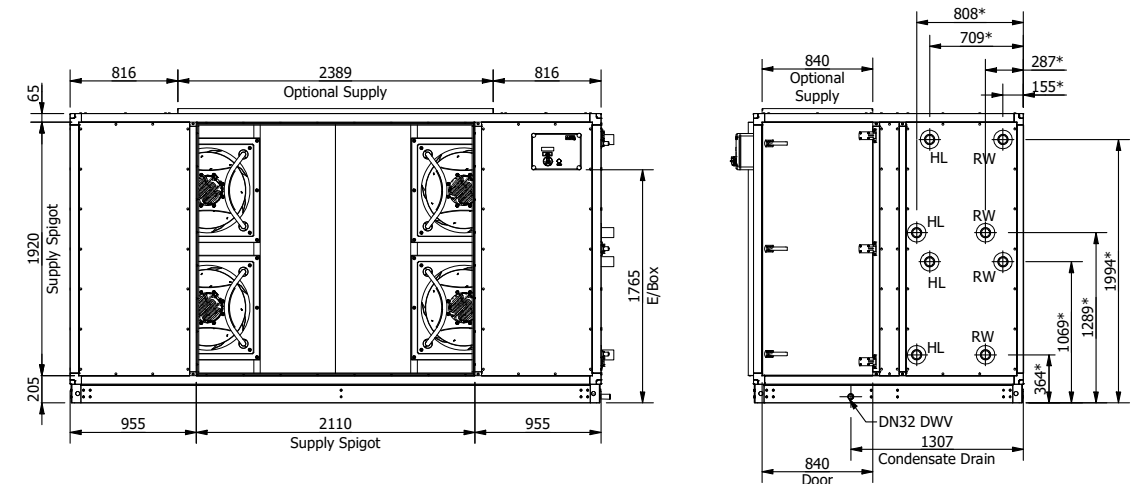
MT540 AHU	
COIL CONFIG	WEIGHT (kg)
4C 1H	1261
6C 1H	1442
4C 2H	1367
6C 2H	1548
4C 0H	1081
6C 0H	1262

MT540 PLENUM	
CONFIGURATION	WEIGHT (kg)
HORIZONTAL BARE	426
VERTICAL BARE	426
DAMPER MIX	565

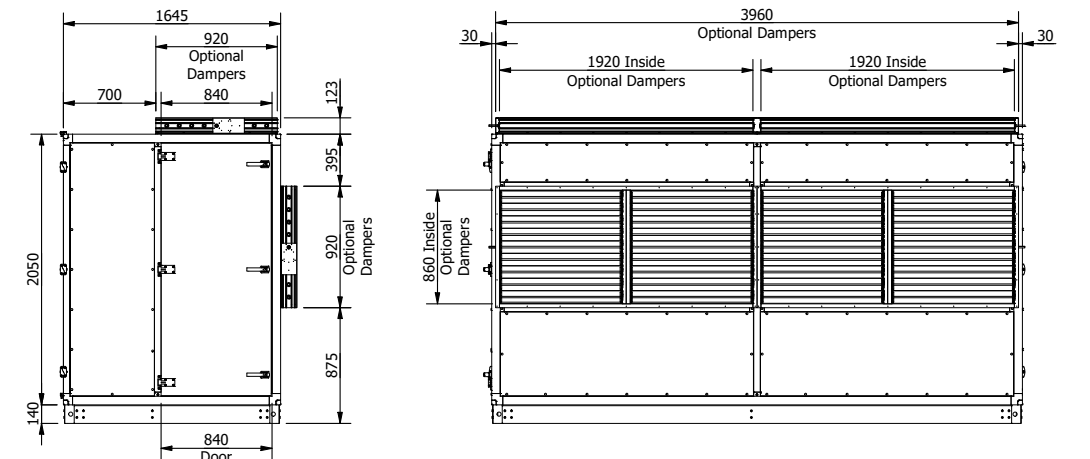
NOTE:

- * Coil connection may vary due to manufacturing tolerances. For more precise representations refer to available 3D geometry.
- Weights listed are approximate.

MT540 AHU



MT540 Plenum



Range Options & Features

Standard



Optional

The range of options available allow you to customise your desired unit, giving you ultimate control and flexibility.

Model ● GMW ● IMDL ● IMDL-Y ● IXDL-Y ● IMD ● IMD-Y ● IJD

Features

Model	GMW	IMDL	IMDL-Y	IXDL-Y	IMD	IMD-Y	IJD
kW Range (kW)*	4.0 - 16.0	5.0-15.5	5.0-15.5	4.0 - 20.0	9.5 - 55.0	9.5 - 55.0	36.0 - 230.0
EC Fan (Y) version	N/A	N/A	●	●	●	N/A	●
0-10V Fan Speed Control	N/A	N/A	●	●	●	N/A	●
3rd Party Controls Input	●	●	●	●	●	●	●
High Static Fans	N/A	N/A	N/A	N/A	N/A	●	●
Cabinet Colour	●	N/A	N/A	N/A	□	□	□
Stainless Steel Cabinet	N/A	N/A	N/A	N/A	□	□	□

Cooling & Heating

Chilled Water Cooling	●	●	●	●	●	●	●
Hot Water Heating (STD)	●	●	●	●	●	●	●
Alternative Electric Heating	N/A	□	□	N/A	□	□	□

Configuration Options

Standard Handing (RHS)**	N/A	●	●	●	●	●	●
Opposite Handing (LHS)**	N/A	●	●	□	□	●	●
Vertical Air Discharge	N/A	N/A	N/A	N/A	N/A	N/A	□

Accessories

Washable Screen Filter	●	N/A	N/A	N/A	N/A	N/A	N/A
12mm (Washable)	N/A	●	●	●	□	□	N/A
50mm (Disposable)	N/A	N/A	N/A	N/A	N/A	N/A	□
Spring Hanger Kit	N/A	N/A	N/A	N/A	□	□	N/A
Multi-Oval Spigot	N/A	□	□	●	N/A	N/A	N/A

* Nominal cooling capacity @ nominal air flow, 27/19 entering air, 7.0°C water.

** Note: Unit handing is as follows: When facing the coil with your **front** to the airflow:
 • If the connections are on the right side of the evaporator, then it is a right-hand unit.
 • If the connections are on the left side of the evaporator, then it is a left-hand unit.

Standard



Optional

Model ● MT

Features

kW Range (kW)*	15.0 - 427.0
EC Plug Fans	●
0-10V Fan Speed Control	●
3rd Party Controls Input	●

* Nominal cooling capacity @ nominal air flow, 27/19 entering air, 7.0°C water.

Cooling & Heating

Chilled Water Cooling	□
Hot Water Heating	□
Alternative Electric Heating	N/A

Configuration Options

Right-Hand**	□
Left-Hand**	□
Horizontal or Vertical Supply Air	□
Horizontal Return Air Plenum	□
Vertical Return Air Plenum	□
Return Air / Outside Air Mixing Dampers	□

** Note: Unit handings follow Industry standard for AHU's.
 When facing the coil with your **back** to the airflow:
 • If the connections are on the right side of the evaporator, then it is a right-hand unit.
 • If the connections are on the left side of the evaporator, then it is a left-hand unit.

Accessories

Magnahelic Gauge	□
Internal Lighting	□
Inspection Window	□
Filters options (G4, F7 and F9)	□