

# Air Handling Unit



## FEATURES

### WIDE AIR FLOW RANGE

Standardly, ceiling concealed type AHU air flow ranges from 1500 to 15000m<sup>3</sup>/h; horizontal/vertical type AHU air flow ranges from 2000 to 40000m<sup>3</sup>/h, able to fulfill various application requirements. Meanwhile, bigger air flow is available by tailor-made as customer special requirement.

### PANEL STRUCTURE DESIGN

Panel is made of powder coated double steel (outer and inner both) with high pressure polyurethane foam fitting in between, thus offering a rigid and robust panel. Frame is made of aluminum alloy which is fastened to the panel, as a result, the unit is strong and lightweight.

### LOW AIR LEAKAGE

Thanks to the high pressure PU foam fitting, and special design insulation method to guarantee no low air leakage, to best minimize loss of energy.

### LOW NOISE

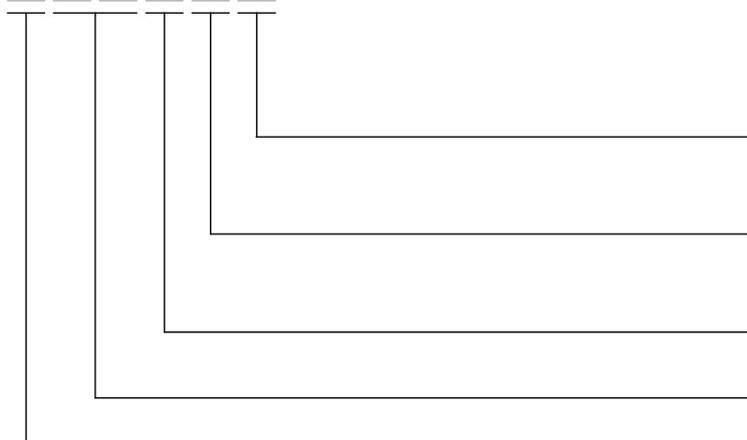
Thanks to the rigidly bolted panel, dynamically and statically balanced fan assembly with spring isolator and closely integrated section, maximum to reduce the vibration and noise.

### COIL DESIGN

All coils are designed by professional computer selection software, proved through the lab testing and real life application.

## NOMENCLATURE

M A H 06 V 4



Coil Number

4: 4rows; 6: 6rows

Unit Type

S: Ceiling Concealed;  
H: Horizontal; V: Vertical

Air Flow

\*1000m<sup>3</sup>/h

AH: Air Handling Unit

Miller Product

## SPECIFICATION

### Ceiling concealed type

Model	Coil	Air flow	Excess pressure	Fresh air condition				Return air condition				Noise	Power input	Weight
				Cooling capacity	Heating capacity	Water flow	Water resistance	Cooling capacity	Heating capacity	Water flow	Water resistance			
				m <sup>3</sup> /h	Pa	kW	kw	L/S	kPa	kW	kW			
1.5S	4ROWS	1500	224	19.7	24.4	1.0	12.0	8.4	15.1	0.4	6.0	54	0.37	56
	6ROWS		184	25.5	28.7	1.3	21.6	12.2	18.5	0.6	10.8		0.37	60
02S	4ROWS	2000	265	27.0	27.5	1.3	19.0	11.1	21.0	0.5	9.5	55	0.55	66
	6ROWS		225	33.3	31.3	1.8	26.6	14.4	25.0	0.8	13.3		0.55	73
2.5S	4ROWS	2500	270	32.6	31.2	1.7	37.0	14.3	25.7	0.7	18.5	56	0.7	70
	6ROWS		230	40.3	39.5	2.1	51.5	18.1	30.6	1.0	25.8		0.7	77
03S	4ROWS	3000	275	39.9	40.5	2.0	55.4	17.8	31.2	0.9	27.7	57	0.8	80
	6ROWS		235	46.1	45.1	2.4	71.7	22.0	38.3	1.2	35.9		0.8	102
04S	4ROWS	4000	265	49.5	51.2	2.6	44.3	23.7	42.4	1.2	22.2	57	0.55*2	87.7
	6ROWS		225	64.4	61.7	3.4	56.2	30.6	50.3	1.5	28.1		0.55*2	108
05S	4ROWS	5000	270	65.7	64.4	3.5	39.2	28.7	51.2	1.4	19.6	60	0.7*2	108
	6ROWS		230	78.5	74.9	4.1	49.5	36.1	62.7	1.9	24.8		0.7*2	129
06S	4ROWS	6000	275	77.4	75.6	4.1	46.1	34.0	61.2	1.6	23.1	61	0.8*2	116
	6ROWS		235	94.7	91.2	5.0	71.4	43.0	73.1	2.2	35.7		0.8*2	145
07S	4ROWS	7000	275	84.2	89.8	4.2	55.4	40.9	74.9	2.0	27.7	61	1.1*2	133
	6ROWS		235	109.3	106.0	5.7	74.1	52.3	89.3	2.7	37.1		1.1*2	175
08S	4ROWS	8000	305	99.7	101.5	4.9	60.9	46.1	83.6	2.3	30.5	62	1.1*2	182
	6ROWS		265	123.9	122.2	6.5	73.1	59.5	99.8	3.1	36.6		1.1*2	210
09S	4ROWS	9000	275	112.9	113.3	5.4	64.6	52.3	92.9	2.6	32.3	63	0.8*3	206
	6ROWS		235	137.8	136.3	7.2	75.0	66.5	111.6	3.5	37.5		0.8*3	231
10S	4ROWS	10000	275	133.8	133.8	7.0	68.4	59.2	108.3	2.8	34.2	64	1.1*3	220
	6ROWS		235	160.1	155.5	8.1	76.8	74.9	135.6	3.8	38.4		1.1*3	241
12S	4ROWS	12000	305	149.8	154.6	7.8	70.4	73.6	131.5	3.9	35.2	65	1.1*3	227
	6ROWS		265	185.2	180.4	9.1	79.7	88.8	161.0	4.7	39.9		1.1*3	245
15S	4ROWS	15000	290	186.4	200.2	9.3	74.0	85.4	162.8	4.1	37.0	66	1.5*3	270
	6ROWS		250	244.2	237.1	11.8	86.7	108.5	189.7	5.2	43.4		1.5*3	300

The performance values refer to the following conditions:

- Cooling: Air inlet temperature: DB27 °C /WB19.5 °C, water temperature: 7/12 °C.
- Heating: Air inlet temperature: 15 °C

## SPECIFICATION

### Horizontal/Vertical type

Model	Coil	Air flow	Excess pressure	Fresh air condition				Return air condition				Noise	Power input	Weight
				Cooling capacity	Heating capacity	Water flow	Water resistance	Cooling capacity	Heating capacity	Water flow	Water resistance			
				m <sup>3</sup> /h	Pa	kW	kw	L/S	kPa	kW	kW			
02V/H	4ROWS	2000	236	27.1	33.2	1.3	13.4	11.2	22.9	0.5	6.7	56	0.55	101
	6ROWS		196	33.5	50.3	1.6	18.9	14.9	27.9	0.7	9.5		0.55	104
03V/H	4ROWS	3000	298	40.5	54.9	2.0	32.6	17.3	35.2	0.8	16.3	57	0.8	128
	6ROWS		258	47.7	77.1	2.5	38.7	22.8	42.0	1.1	19.4		0.8	134
04V/H	4ROWS	4000	253	54.7	79.5	2.6	41.1	23.2	47.3	1.1	20.6	59	1.1	146
	6ROWS		213	63.6	103.3	3.3	55.9	29.6	55.5	1.5	28.0		1.1	150
05V/H	4ROWS	5000	286	68.4	102.3	3.3	49.5	28.2	57.2	1.4	24.8	60	1.5	176
	6ROWS		246	79.9	118.6	3.8	61.2	34.4	64.5	1.8	30.6		1.5	182
06V/H	4ROWS	6000	263	81.6	124.7	4.0	56.3	35.5	69.3	1.7	28.2	61	1.5	216
	6ROWS		223	97.4	147.5	4.7	65.3	42.7	78.8	2.2	32.7		1.5	227
07V/H	4ROWS	7000	296	89.9	141.7	4.5	42.8	41.0	81.1	2.0	21.4	62	1.8	240
	6ROWS		256	115.9	174.7	5.6	50.5	50.2	92.8	2.6	25.3		1.8	251
08V/H	4ROWS	8000	262	101.7	152.6	4.9	51.8	48.2	93.7	2.3	25.9	63	2.2	259
	6ROWS		222	124.7	205.8	6.6	59.1	58.5	106.5	3.1	29.6		2.2	271
10V/H	4ROWS	10000	358	145.4	203.6	6.9	60.3	58.0	115.5	3.0	30.2	65	3.7	304
	6ROWS		318	162.8	265.3	8.5	68.5	74.5	138.0	3.6	34.3		3.7	328
12V/H	4ROWS	12000	296	157.1	247.7	7.9	66.2	69.8	136.8	3.7	33.1	66	4.5	358
	6ROWS		256	193.8	319.8	10.2	72.2	89.0	165.3	4.3	36.1		4.5	376
15V/H	4ROWS	15000	490	194.1	315.3	10.0	72.5	90.6	172.7	4.3	36.3	67	6	429
	6ROWS		450	252.4	409.9	13.1	84.2	115.7	207.4	5.6	42.1		6	528
20V/H	4ROWS	20000	358	270.3	358.5	13.4	28.8	125.9	247.0	6.0	14.4	65	3.7*2	550
	6ROWS		318	331.1	463.8	15.8	37.8	157.4	289.2	7.5	18.9		3.7*2	682
25V/H	4ROWS	25000	443	320.7	454.9	15.5	31.6	148.8	285.5	7.1	15.8	66	5.5*2	638
	6ROWS		403	381.6	629.6	20.1	41.5	182.4	332.2	9.0	20.8		5.5*2	753
30V/H	4ROWS	30000	490	384.0	575.9	18.3	40.8	187.6	357.5	9.0	20.4	68	6.0*2	753
	6ROWS		450	472.6	779.8	24.8	52.2	227.3	413.4	11.7	26.1		6.0*2	841
35V/H	4ROWS	35000	529	454.2	698.3	22.2	45.6	221.1	416.5	10.4	22.8	70	8.0*2	841
	6ROWS		489	550.7	908.7	28.9	57.0	274.2	486.5	13.2	28.5		8.0*2	1045
40V/H	4ROWS	40000	492	477.6	781.4	24.9	48.6	232.8	451.3	11.6	24.3	71	9*2	1012
	6ROWS		452	615.2	1015.1	32.3	59.3	300.9	546.0	14.8	29.7		9*2	1265
50V/H	4ROWS	50000	443	605.0	798.6	29.4	53.4	285.0	538.0	15.0	26.7	73	11*2	1205
	6ROWS		403	729.0	1105.5	35.2	64.1	390.0	685.5	20.5	32.1		11*2	1545

The performance values refer to the following conditions:

- Cooling: Air inlet temperature: DB27 °C /WB19.5 °C, water temperature: 7/12 °C.
- Heating: Air inlet temperature: 15 °C



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