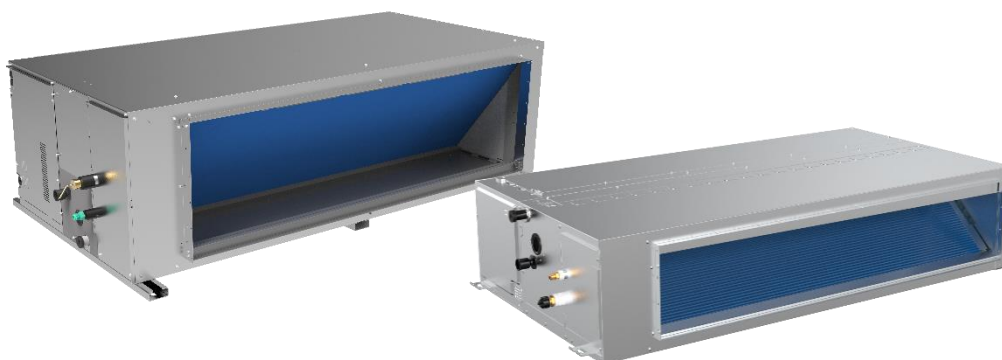


Engineering Data

Quantum Series Indoor Unit

High Static Pressure Duct



MHG-28HAN1

MHG-120HAN1

MHG-48HAN1

MHG-140HAN1

MHG-68HAN1

MHG-150HAN1

MHG-76HAN1

MHG-192HAN1

MHG-96HAN1

High Static Pressure Duct

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High Static Pressure Duct



1 Specifications

MHG-28HAN1/ MHG-48HAN1

Model name			MHG-28HAN1	MHG-48HAN1
Power supply			1-phase, 220-240V, 50Hz	1-phase, 220-240V, 50Hz
Cooling ¹	Capacity	kW	8	14
		kBut/h	27.3	47.8
	Input	W	159	284
Heating ²	Capacity	kW	9.0	16.0
		kBut/h	30.7	54.6
	Input	W	159	284
Fan motor	Type		DC	DC
	Number		1	1
Coil	Number of rows		3	4
	Tube pitch × row pitch	mm	18×10.72	18×10.72
	Fin spacing	mm	1.35	1.35
	Fin type		Hydrophilic aluminum	Hydrophilic aluminum
	Tube OD and type	mm	Φ5 Inner groove	Φ5 Inner groove
	Dimensions (L×H ×W)	mm	850×360×32.16	1200×360×32.16
	Number of circuits		10	10
Airflow rate ³		m ³ /h	1360/1281/1201/1122/1043/963/884	2400/2260/2120/1980/1840/1700/1560
External static pressure ⁴		Pa	80 (0-250)	100 (0-250)
Sound pressure level ⁵		dB(A)	39/38/36/35/33/32/30	43/42/40/39/37/36/34
Sound power level		dB(A)	59/56/54/53/51/49/47	67/64/62/60/58/57/55
Unit	Net dimensions ⁶ (W×H×D)	mm	1050×299×750	1400×299×750
	Packed dimensions (W×H×D)	mm	1215×359×890	1565×359×890
	Net/Gross weight	kg	35/38.5	46.5/50.5
Refrigerant type			R410A	R410A
Design pressure (H/L)		MPa	4.4/2.6	4.4/2.6
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ15.9	Φ9.52/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
- Stable operation external static pressure range. (Note: setting external static pressure outside the unit's optimal static pressure range may lead to higher noise levels and lower airflow rate. For the optimal external static pressure range refer to the unit's installation manual.)
- Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.4m below the unit in an anechoic chamber.
- The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.

All specifications are measured at standard external static pressure

MHG-68HAN1 / MHG-76HAN1 / MHG-96HAN1

Model name			MHG-68HAN1	MHG-76HAN1	MHG-96HAN1	MHG-120HAN1
Power supply			1-phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW	20.0	22.4	28.0	33.5
		kBut/h	68.3	76.5	95.6	114.3
	Input	W	780	780	780	810
Heating ²	Capacity	kW	22.5	25.0	31.5	38.0
		kBut/h	76.8	85.3	107.5	129.7
	Input	W	780	780	780	810
Fan motor	Type		DC			
	Number		1			
Coil	Number of rows		3	3	3	3
	Tube pitch × row pitch	mm	21×13.37			
	Fin spacing	mm	1.5	1.5	1.5	1.5
	Fin type		Hydrophilic aluminum			
	Tube OD and type	mm	Φ7 Inner groove			
	Dimensions (L×H ×W)	mm	1050×588×40.1	1050×588×40.1	1050×588×40.1	1050×588×42.7
	Number of circuits		14	14	14	14
Airflow rate ³		m ³ /h	4700/4387/4073/3760/ 3447/3133/2820	4700/4387/4073/3760/ 3447/3133/2820	4700/4387/4073/3760/ 3447/3133/2820	4700/4387/4073/3760/ 3447/3133/2820
External static pressure ⁴		Pa	200(0-400)			
Sound pressure level ⁵		dB(A)	51/50/48/46/44/43/42	51/50/48/46/44/43/42	51/50/48/46/44/43/42	52/51/49/48/46/44/43
Sound power level		dB(A)	74/72/70/68/66/64/62	74/72/70/68/66/64/62	74/72/70/68/66/64/62	74/72/70/68/66/63/61
Unit	Net dimensions ⁶ (W×H×D)	mm	1300×580×900			
	Packed dimensions (W×H×D)	mm	1530×730×1060			
	Net/Gross weight	kg	125/150	125/150	125/150	128/153
Refrigerant type			R410A			
Design pressure (H/L)		MPa	4.4/2.6			
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ19.1		Φ12.7/Φ22.2	Φ12.7/Φ25.4
	Drain pipe	mm	OD Φ32			

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
- Stable operation external static pressure range. (Note: setting external static pressure outside the unit's optimal static pressure range may lead to higher noise levels and lower airflow rate. For the optimal external static pressure range refer to the unit's installation manual.)
- Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.4m below the unit in an anechoic chamber.
- The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.

All specifications are measured at standard external static pressure

High Static Pressure Duct



MHG-140HAN1/ MHG-150HAN1 / MHG-192HAN1

Model name			MHG-140HAN1	MHG-150HAN1	MHG-192HAN1
Power supply			1-phase, 220-240V, 50Hz		
Cooling ¹	Capacity	kW	40.0	45.0	56.0
		kBut/h	136.5	153.6	191.1
	Input	W	1850	1850	2030
Heating ²	Capacity	kW	45.0	56.0	63.0
		kBut/h	153.6	191.1	215.0
	Input	W	1850	1850	2030
Fan motor	Type		DC		
	Number		1		
Coil	Number of rows		3	3	4
	Tube pitch × row pitch	mm	21×13.37		
	Fin spacing	mm	1.5	1.5	1.5
	Fin type		Hydrophilic aluminum		
	Tube OD and type	mm	Φ7 Inner groove		
	Dimensions (L×H ×W)	mm	1600×588×40.1	1600×588×40.1	1600×588×42.7
	Number of circuits		14	14	14
Airflow rate ³		m ³ /h	7500/7000/6500/6000/5500/5000/4500	7500/7000/6500/6000/5500/5000/4500	8400/7840/7280/6720/6160/5600/5040
External static pressure ⁴		Pa	300 (0-400)		
Sound pressure level ⁵		dB(A)	58/56/54/52/50/49/48	58/56/54/52/50/49/48	59/58/56/54/53/51/49
Sound power level		dB(A)	79/78/76/74/72/70/67	79/78/76/74/72/70/67	81/80/77/75/73/71/69
Unit	Net dimensions ⁶ (W×H×D)	mm	1850×580×900		
	Packed dimensions (W×H×D)	mm	2080×730×1060		
	Net/Gross weight	kg	166/204	166/204	170/208
Refrigerant type			R410A		
Design pressure (H/L)		MPa	4.4/2.6		
Pipe connections	Liquid/Gas pipe	mm	Φ12.7/Φ25.4	Φ15.9/Φ28.6	
	Drain pipe	mm	OD Φ32		

Notes:

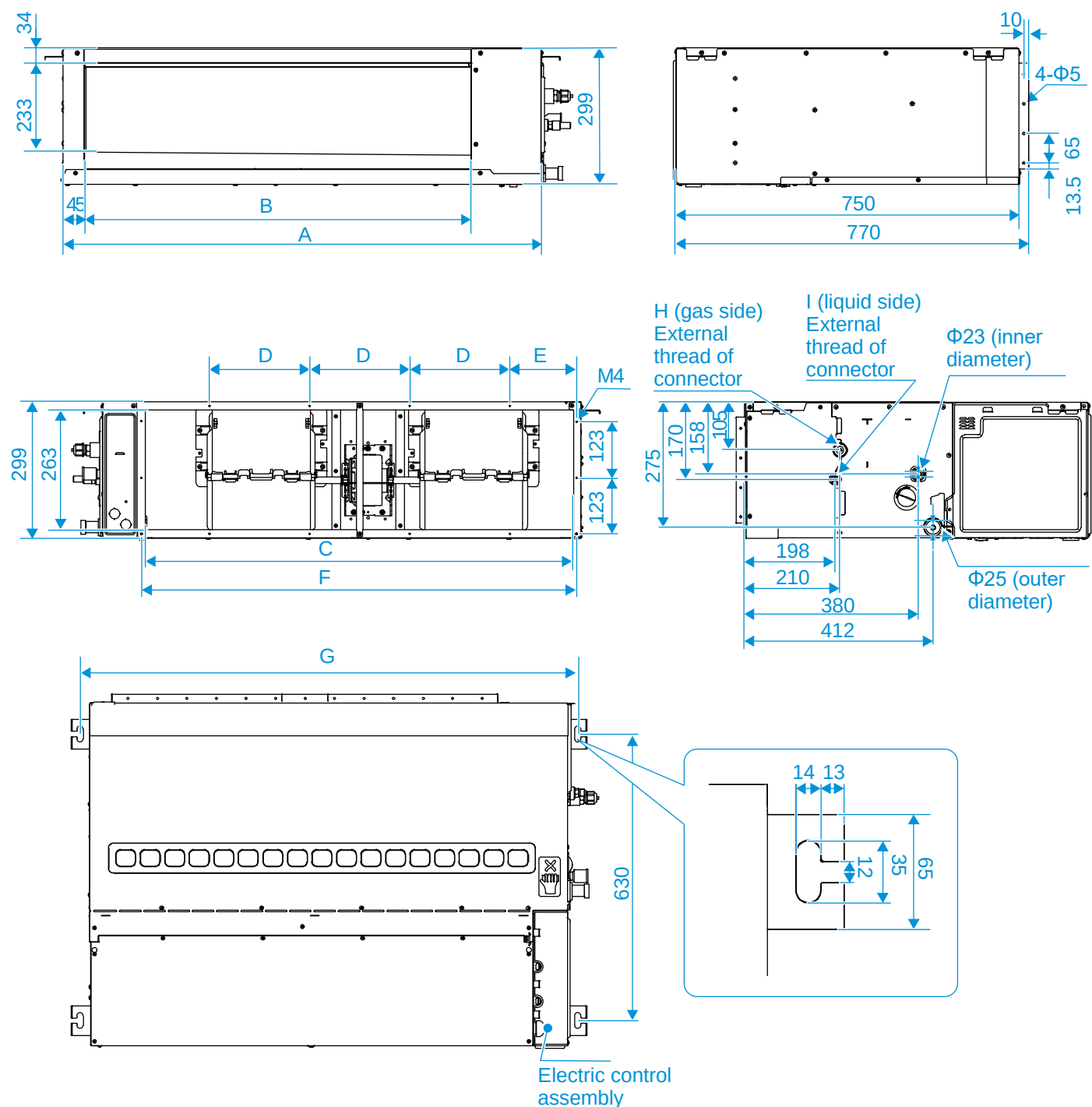
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
- Stable operation external static pressure range. (Note: setting external static pressure outside the unit's optimal static pressure range may lead to higher noise levels and lower airflow rate. For the optimal external static pressure range refer to the unit's installation manual.)
- Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.4m below the unit in an anechoic chamber.
- The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.

All specifications are measured at standard external static pressure

2 Dimensions

MHG-28HAN1 / MHG-48HAN1

Dimensions (unit: mm)



Model (kW)	A	B	C	D	E	F	G	H	I
5.6 < kW ≤ 9.0	1050	850	940	220	146	956	1095	7/8-14 UNF	5/8-18 UNF
9.0 < kW ≤ 16.0	1400	1200	1290	220	213	1306	1445	7/8-14 UNF	5/8-18 UNF

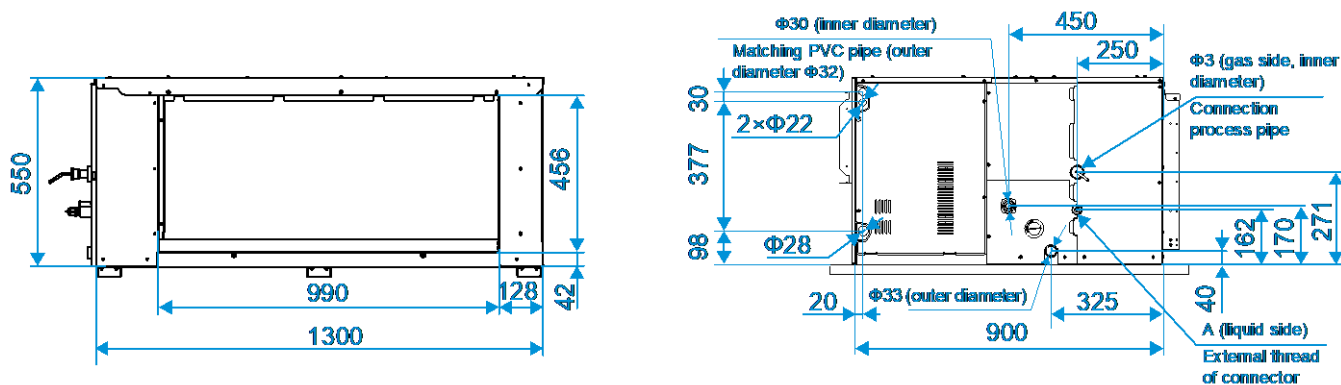
High Static Pressure Duct



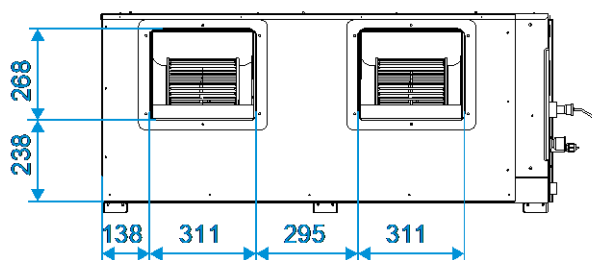
MHG-68HAN1 / MHG-76HAN1 / MHG-96HAN1/ MHG-120HAN1

Dimensions (unit: mm)

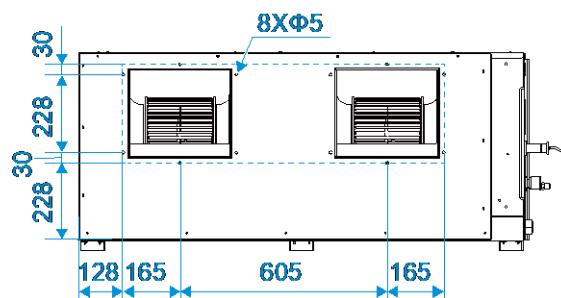
Appearance and dimensions of the air inlets, piping, drain pipes, power cable hole and communication wire hole:



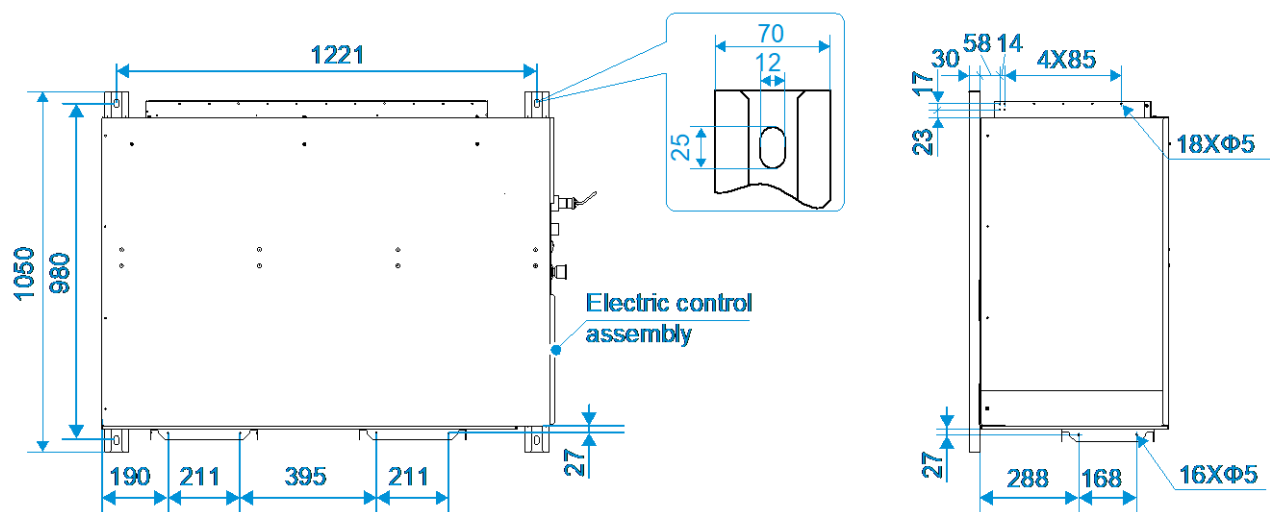
Dimensions of the air outlets:



Dimensions of the air duct installation hole after the air outlet flange is removed:



Dimensions of lugs and the screw hole of air outlet/inlet flange:

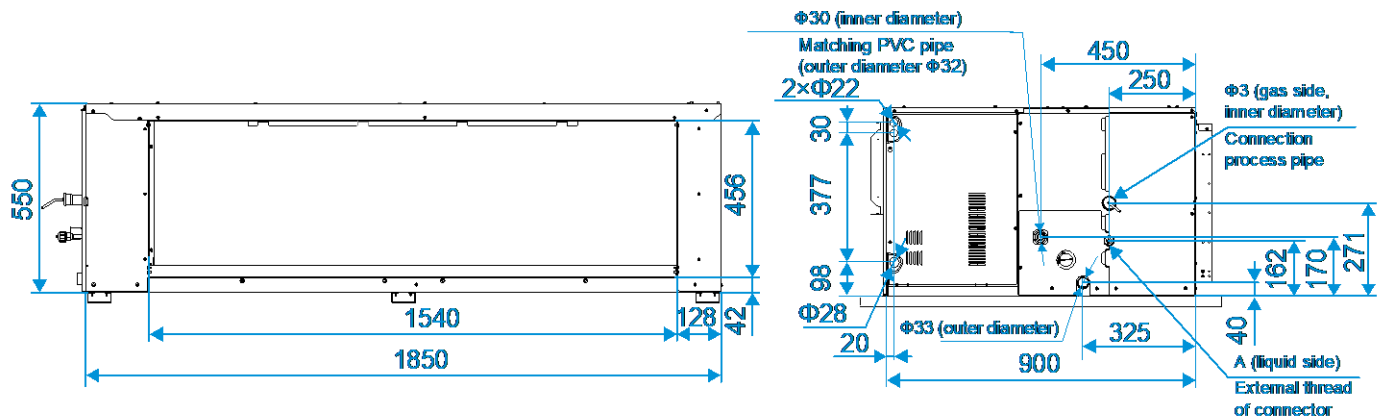


Capacity (kW)	A
$20.0 \leq kW \leq 22.4$	5/8-18 UNF
$22.4 < kW \leq 33.5$	3/4-16 UNF

MHG-140HAN1 / MHG-150HAN1 / MHG-192HAN1

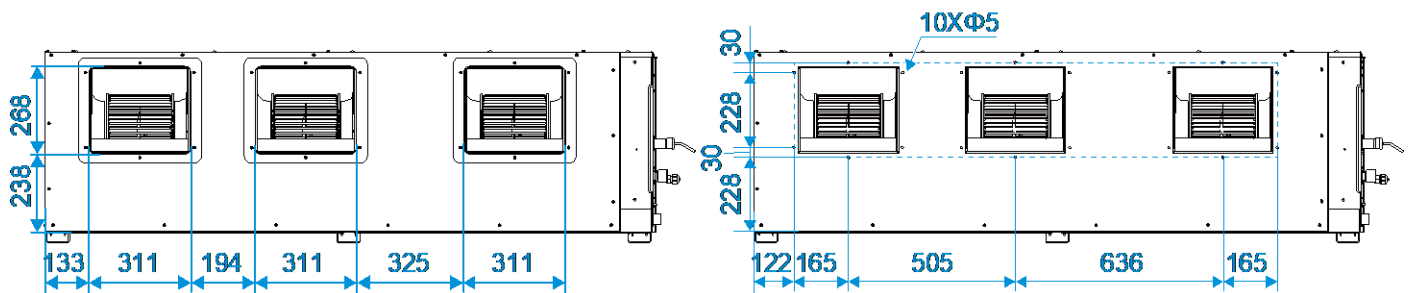
Dimensions (unit: mm)

Appearance and dimensions of the air inlets, piping, drain pipes, power cable hole and communication wire hole:

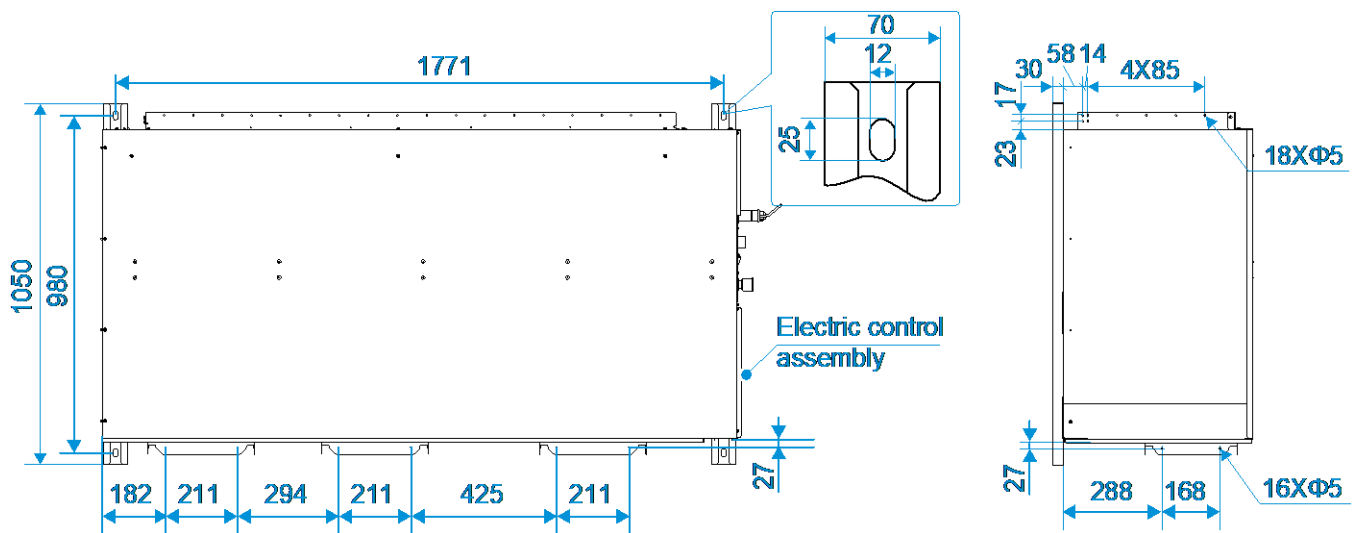


Dimensions of the air outlets:

Dimensions of the air duct installation hole after the air outlet flange is removed:



Dimensions of lugs and the screw hole of air outlet/inlet flange:



Capacity (kW)	A
33.5 < kW ≤ 40.0	3/4-16 UNF
40.0 < kW ≤ 56.0	7/8-14 UNF

High Static Pressure Duct

3 Unit Placement

3.1 Placement Considerations

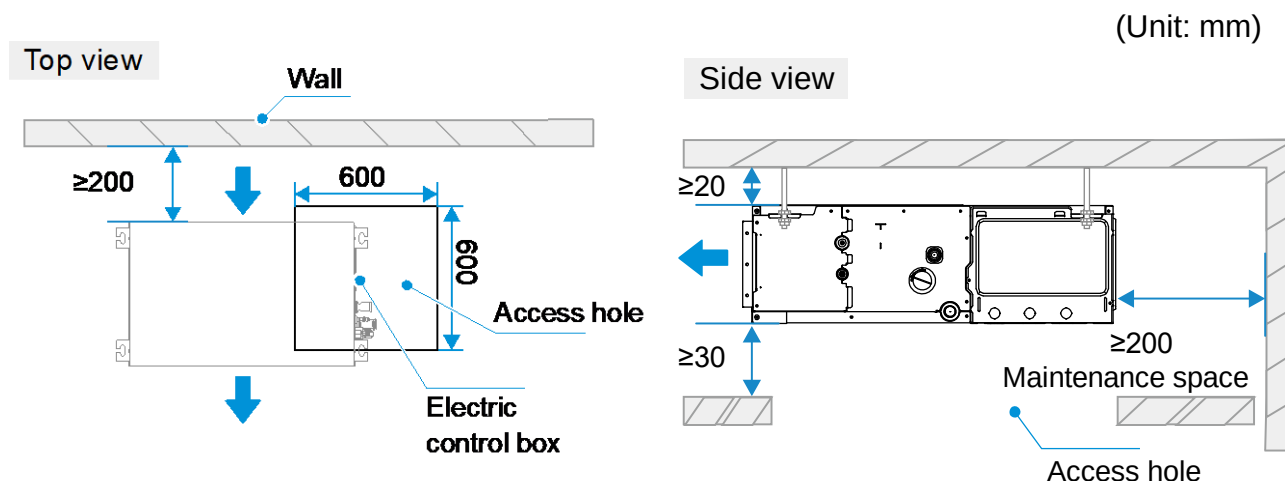
Unit placement should take account of the following considerations:

- Units should not be installed in the following locations:
 - Where exposure to direct radiation from a high-temperature heat source or to interference from a source of electromagnetic radiation may occur.
 - Where dust or dirt may affect heat exchangers.
 - Where exposure to oil or to corrosive or harmful gases, such as acidic or alkaline gases, may occur.
 - Where exposure to salinity may occur, such as seaside locations.
 - Where highly flammable materials are present.
 - Where exposure to oily air may occur, such as a kitchen.
 - Where exposure to very high humidity may occur, such as a laundry.
- Units should be installed in positions where:
 - The ceiling is horizontal and is able to bear the unit's weight.
 - There are no obstructions that could impede the airflow into and out of the unit.
 - The airflow out of the unit can reach throughout the room.
 - There is sufficient space for access during installation, servicing and maintenance.
 - The refrigerant piping and drain piping can be easily connected to the refrigerant piping and drain piping systems.
 - Short-circuit ventilation (where outlet air returns quickly to a unit's air inlet) will not occur.

3.2 Space Requirements

MHG-28HAN1 / MHG-48HAN1

High Static Pressure Duct space requirements (unit: mm)



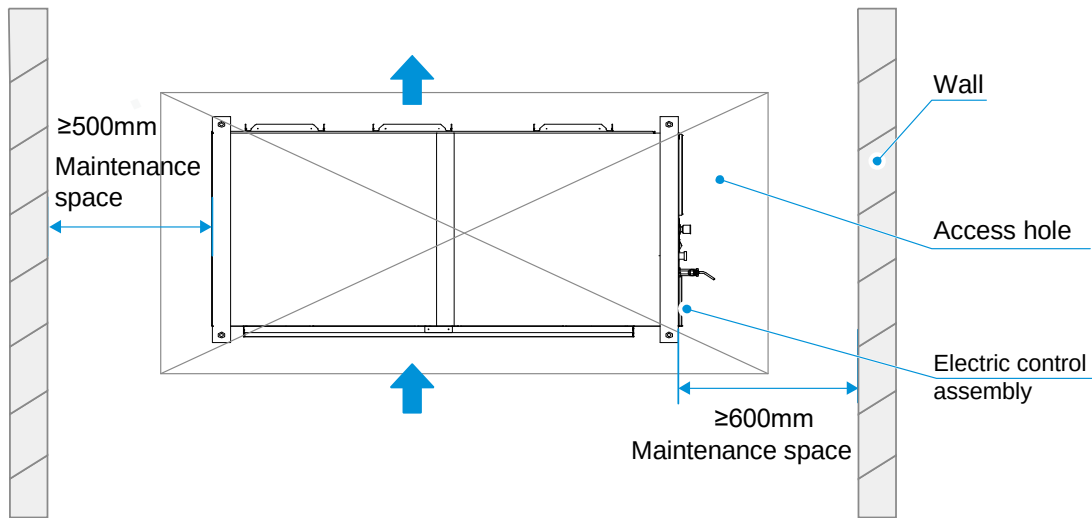
MHG-68HAN1 / MHG-76HAN1 / MHG-96HAN1

MHG-120HAN1 / MHG-140HAN1 / MHG-150HAN1 / MHG-192HAN1

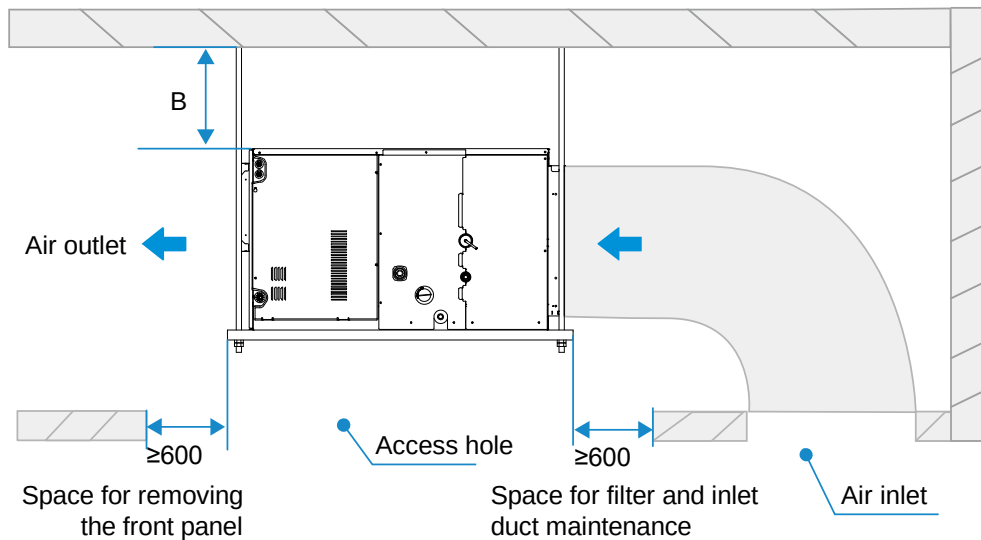
High Static Pressure Duct space requirements (unit: mm)

Bottom view

(Unit: mm)



Side view



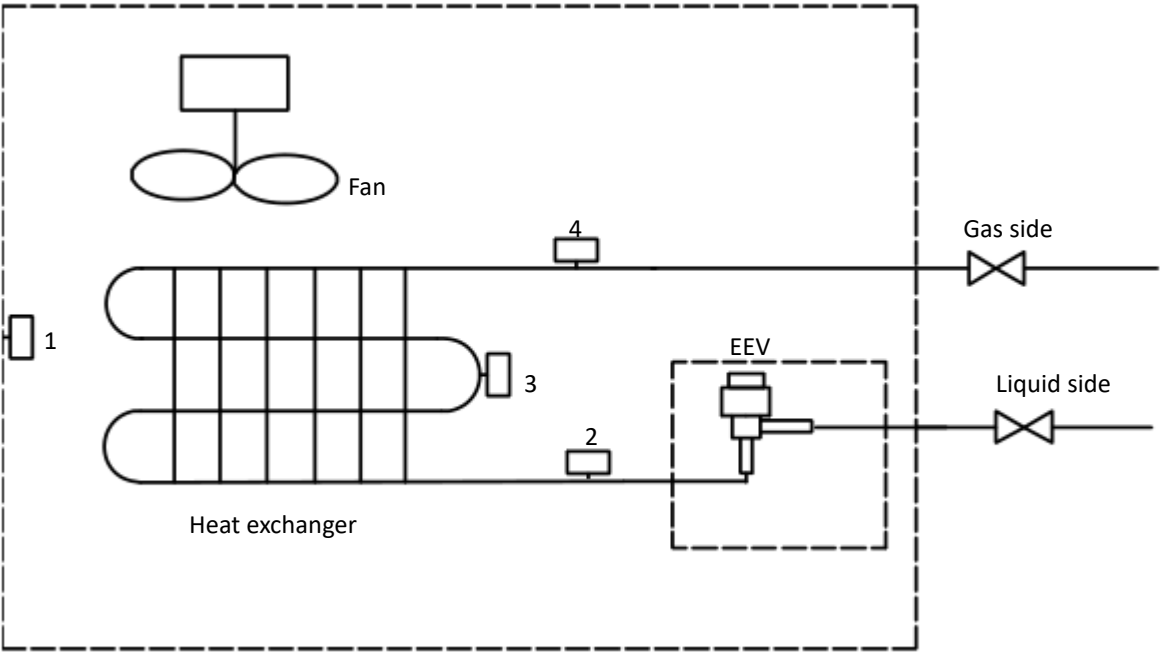
Notes for installers and service engineers

1. The distance between the indoor unit and the roof (B) shall be greater than 50mm to install the air duct.
2. The motor and fan can be maintained from the indoor unit top or the air outlet. If maintenance is performed from the indoor unit top, the distance between the indoor unit and the roof must be larger than 600mm. If maintenance is performed from the air outlet, the distance between the indoor unit and the roof must be larger than 50mm, with a minimum distance of 600mm allowed for removing the front panel.

High Static Pressure Duct



4 Piping Diagrams

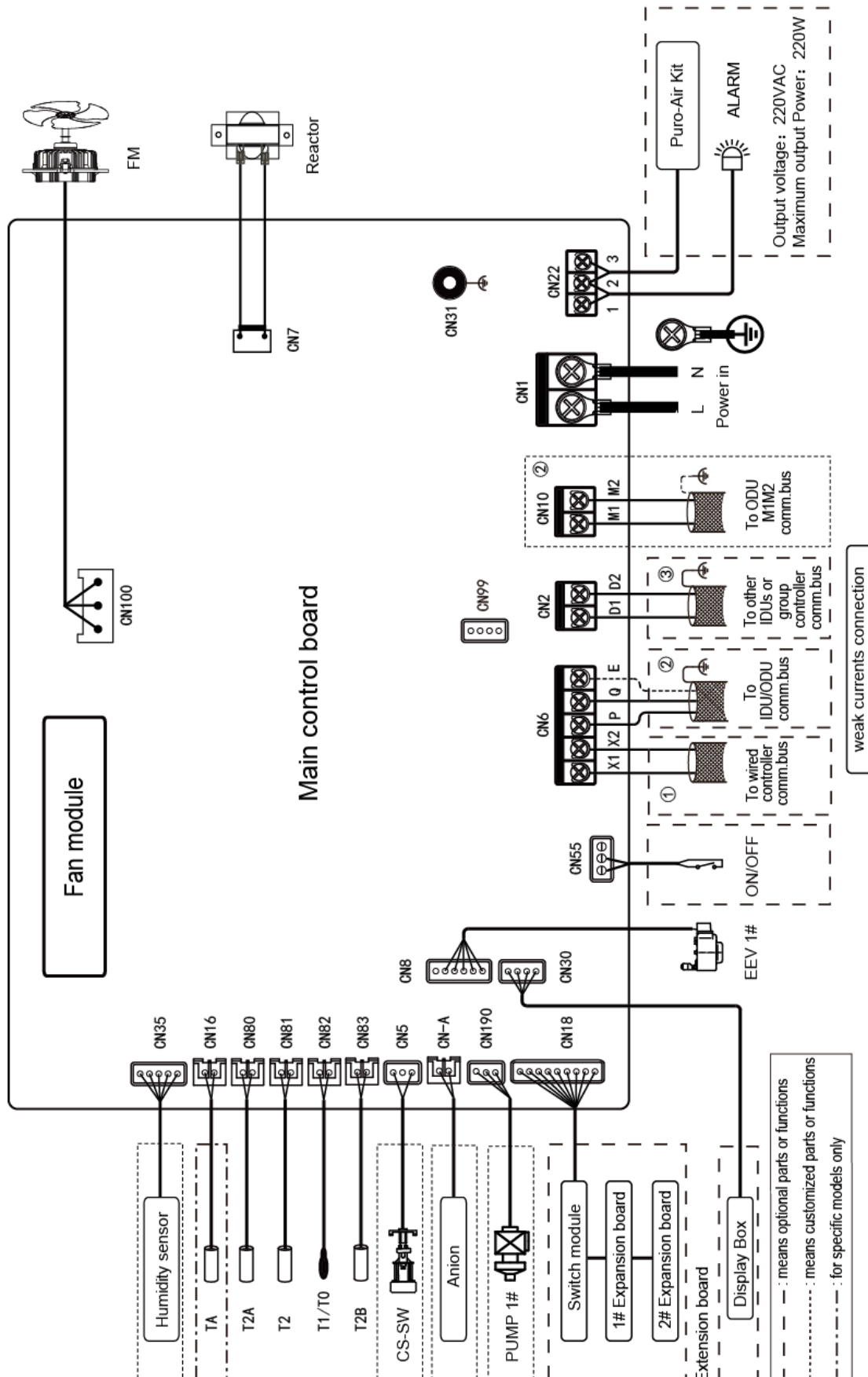


Legend		
1	T1	Inlet Air Temp. Sensor
2	T2A	Liquid Pipe Temp. Sensor
3	T2	Middle Pipe Temp. Sensor
4	T2B	Gas Pipe Temp. Sensor
5	EEV	Electronic expansion valve
6	FAN	Fan motor

5 Wiring Diagrams

MHG-28HAN1 / MHG-48HAN1

Wiring diagram

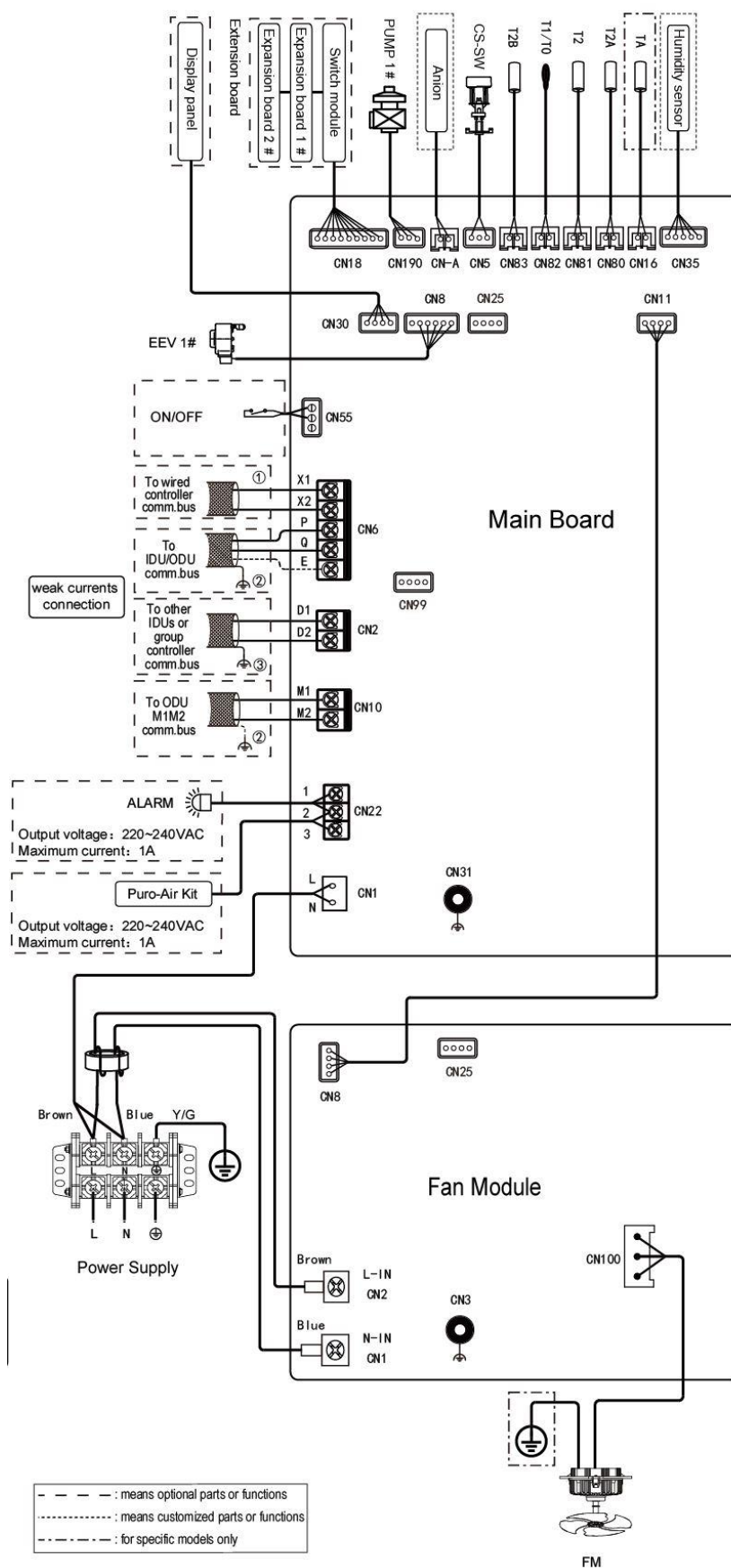


High Static Pressure Duct

MHG-68HAN1 / MHG-76HAN1 / MHG-96HAN1

MHG-120HAN1 / MHG-140HAN1/ MHG-150HAN1 / MHG-192HAN1

Wiring diagram



Legend				
Code	Name		Code	Name
XS XP	connectors		T1	Inlet Air Temp. Sensor
TA	Steam pipe temperature sensor*		T2B	Gas Pipe Temp. Sensor
CS-SW	Water level switch		T0	Fresh air inlet temperature sensor*
EEV	Electronic expansion valve		ALARM	Alarm output
Anion	Sterilization module		FM	DC Fan motor
T2A	Liquid Pipe Temp. Sensor		ON/OFF	Remote on/off
T2	Middle Pipe Temp. Sensor			

* Indicates that this sensor is only available for Fresh Air Processing Unit

Notes for installers and service engineers

Caution

- All installation, servicing and maintenance must be carried out by competent and suitably qualified, certified and accredited professionals and in accordance with all applicable legislation.
- Units should be grounded in accordance with all applicable legislation. Metal and other conductive components should be insulated in accordance with all applicable legislation.
- Power supply wiring should be securely fastened at the power supply terminals – loose power supply wiring would represent a fire risk.
- After installation, servicing or maintenance, the electric control box cover should be closed. Failing to close the electric control box cover risks fire or electric shock.
- The dotted lines indicate the field wiring or optional function.
- X1X2 communication ports can be connected to the wired controller.
- PQ and M1M2 communication ports both are used for indoor and outdoor communication, and only one of them can be used at a time. Meanwhile, be sure to connect the same communication ports (PQ to PQ; M1M2 to M1M2) in case of damage of the main control board.
- D1D2 communication ports are used for group control communication. When connecting the group controller, the D1D2 port of the indoor units that are to be group controlled must be connected in daisy chain, and the group controller must be connected to the X1X2 port of one of the indoor units in the group control, and set to group control mode. In addition, D1D2 communication ports can also be connected to the central controller.

High Static Pressure Duct



6 Capacity Tables

6.1 Cooling Capacity Table

High Static Pressure Duct cooling capacity

Model	Indoor air temperature (°C WB/DB)													
	14/20		16/23		18/26		19/27		20/28		22/30		24/32	
	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
MHG-28HAN1	7.1	6.8	7.6	6.9	7.9	6.9	8.0	6.7	8.1	6.5	8.3	6.1	8.5	5.8
MHG-48HAN1	12.4	11.3	13.2	11.6	13.8	11.7	14.0	11.4	14.2	11.1	14.5	10.5	14.9	10.1
MHG-68HAN1	17.7	16.1	18.9	16.5	19.8	16.8	20.0	16.3	20.2	15.8	20.8	15.1	21.2	14.4
MHG-76HAN1	19.8	18.0	21.1	18.5	22.1	18.7	22.4	18.3	22.6	17.7	23.2	16.8	23.7	16.1
MHG-96HAN1	24.8	22.6	26.4	23.1	27.6	23.4	28.0	22.8	28.3	22.1	29.0	21.0	29.7	20.1
MHG-120HAN1	29.6	26.9	31.6	27.6	33.1	28.0	33.5	27.3	33.8	26.4	34.7	25.1	35.5	24.1
MHG-140HAN1	35.4	32.1	37.7	32.9	39.5	33.4	40.0	32.5	40.4	31.5	41.5	30.0	42.4	28.7
MHG-150HAN1	39.8	36.1	42.4	37.0	44.4	37.5	45.0	36.6	45.4	35.4	46.6	33.7	47.6	32.2
MHG-192HAN1	49.5	45.5	52.8	46.5	55.2	47.0	56.0	45.8	56.5	44.3	58.0	42.1	59.3	40.8

Abbreviations:

TC: Total capacity (kW)

SC: Sensible capacity (kW)

Notes:

1. Shaded cells indicate rating condition

6.2 Heating Capacity Table

High Static Pressure Duct heating capacity

Model	Indoor air temperature (°C DB)					
	16	18	20	21	22	24
	SHC	SHC	SHC	SHC	SHC	SHC
MHG-28HAN1	9.5	9.5	9.0	8.7	8.5	7.8
MHG-48HAN1	17.0	16.8	16.0	15.5	15.0	13.9
MHG-68HAN1	23.9	23.6	22.5	21.8	21.2	19.6
MHG-76HAN1	26.5	26.3	25.0	24.3	23.5	21.8
MHG-96HAN1	33.4	33.1	31.5	30.6	29.6	27.4
MHG-120HAN1	40.3	39.9	38.0	36.9	35.7	33.1
MHG-140HAN1	47.7	47.3	45.0	43.7	42.3	39.2
MHG-150HAN1	59.4	58.8	56.0	54.3	52.6	48.7
MHG-192HAN1	66.8	66.2	63.0	61.1	59.2	54.8

Abbreviations:

SHC: Sensible Heat Capacity (kW)

Notes:

1. Shaded cells indicate rating condition

7 Electrical Characteristics

High Static Pressure Duct electrical characteristics

Model	Power supply						Indoor Fan Motor	
	Hz	Volts (V)	Min. volts	Max. volts	MCA (A)	MFA (A)	Rated power output (W)	FLA (A)
MHG-28HAN1	50	220-240	198	264	2.33	15	240	1.86
MHG-48HAN1	50	220-240	198	264	3.75		560	3.00
MHG-68HAN1	50	220-240	198	264	8.19	30	920	6.55
MHG-76HAN1	50	220-240	198	264	8.19		920	6.55
MHG-96HAN1	50	220-240	198	264	8.19		920	6.55
MHG-120HAN1	50	220-240	198	264	8.31		920	6.65
MHG-140HAN1	50	220-240	198	264	12.98		2300	10.38
MHG-150HAN1	50	220-240	198	264	12.98		2300	10.38
MHG-192HAN1	50	220-240	198	264	15.49		2300	12.39

Abbreviations:

MCA: Min. Circuit Amps. (A), which is used to select the minimum circuit size to ensure safe operation over a long period of time.

MFA: Max. Fuse Amps. (A), which is used to select the circuit breaker.

FLA: Full Load Amps. (A), which is the full load current of the indoor fan motor (reliable operation at the fastest speed setting).

High Static Pressure Duct

8 Sound Levels

8.1 Overall

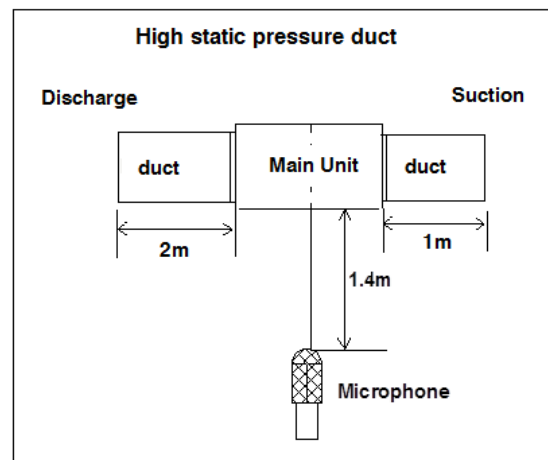
High Static Pressure Duct sound pressure levels¹

Model name	Sound pressure levels dB(A)						
	SSH	SH	H	M	L	SL	SSL
MHG-28HAN1	39	38	36	35	33	32	30
MHG-48HAN1	43	42	40	39	37	36	34
MHG-68HAN1	51	50	48	46	44	43	42
MHG-76HAN1	51	50	48	46	44	43	42
MHG-96HAN1	51	50	48	46	44	43	42
MHG-120HAN1	52	51	49	48	46	44	43
MHG-140HAN1	58	56	54	52	50	49	48
MHG-150HAN1	58	56	54	52	50	49	48
MHG-192HAN1	59	58	56	54	53	51	49

Notes:

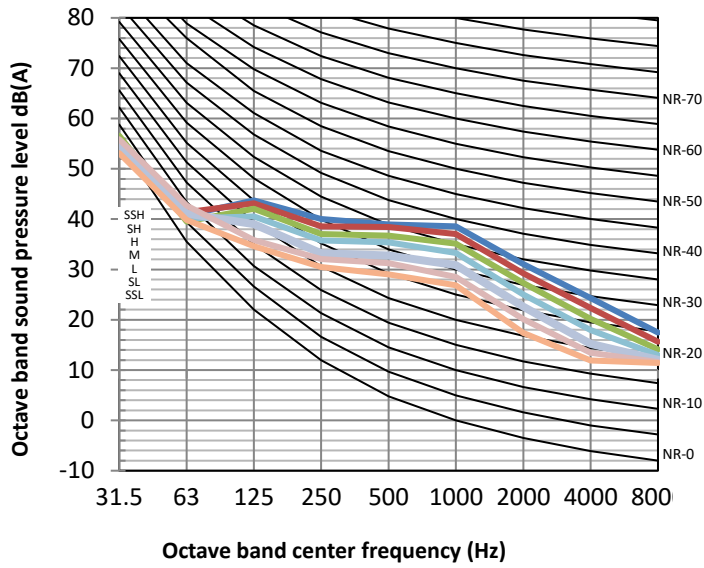
1. Sound pressure levels are measured 1.4m below the unit in an anechoic chamber. During in-situ operation, sound pressure levels may be higher as a result of ambient noise.

High Static Pressure Duct sound pressure level measurement

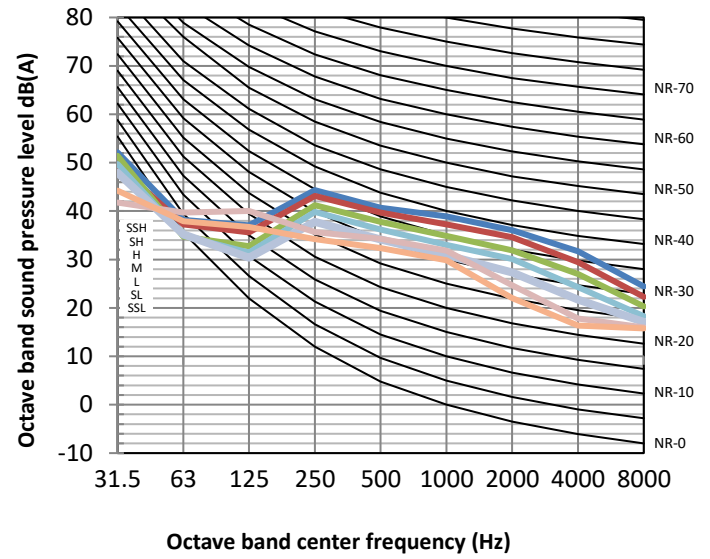


8.2 Octave Band Levels

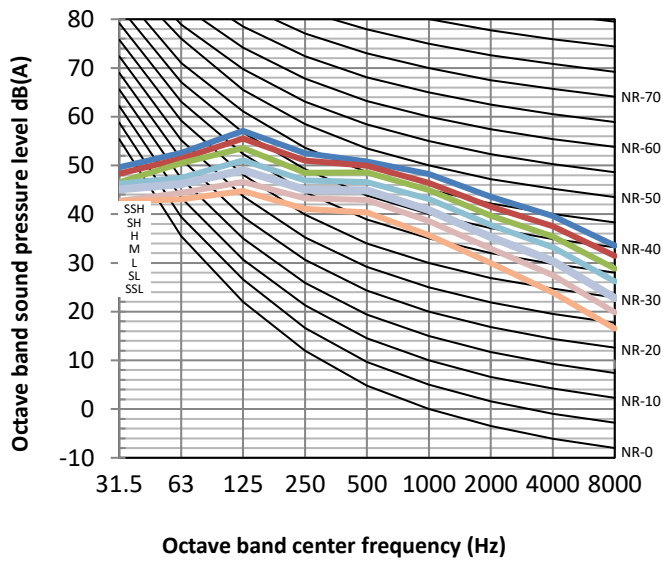
MHG-28HAN1 octave band levels



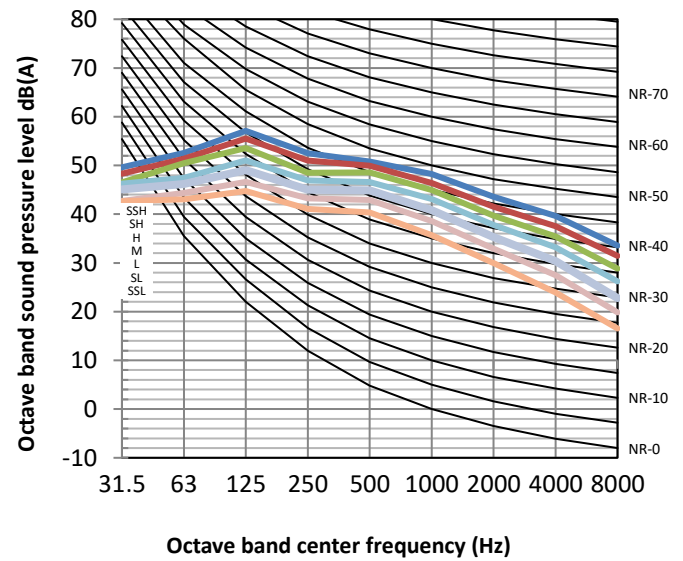
MHG-48HAN1 octave band levels



MHG-68HAN1 octave band levels



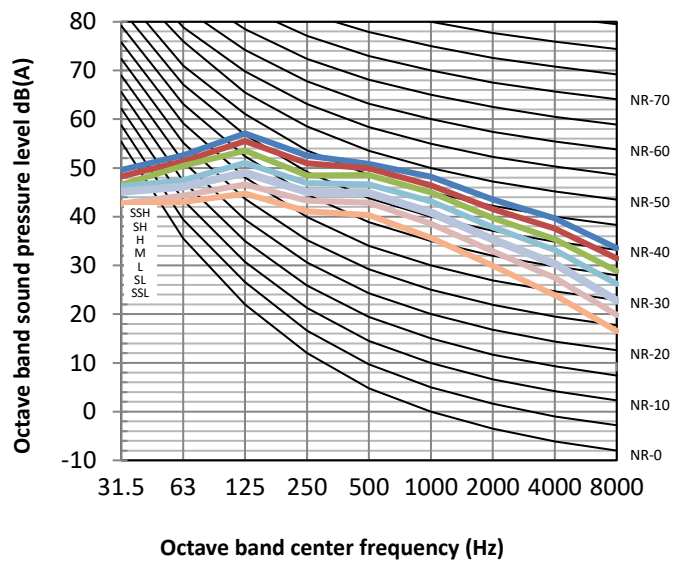
MHG-76HAN1 octave band levels



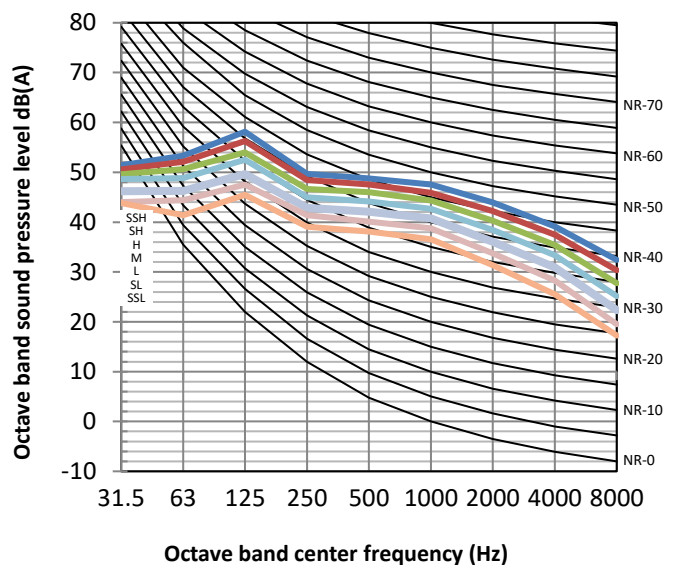
High Static Pressure Duct



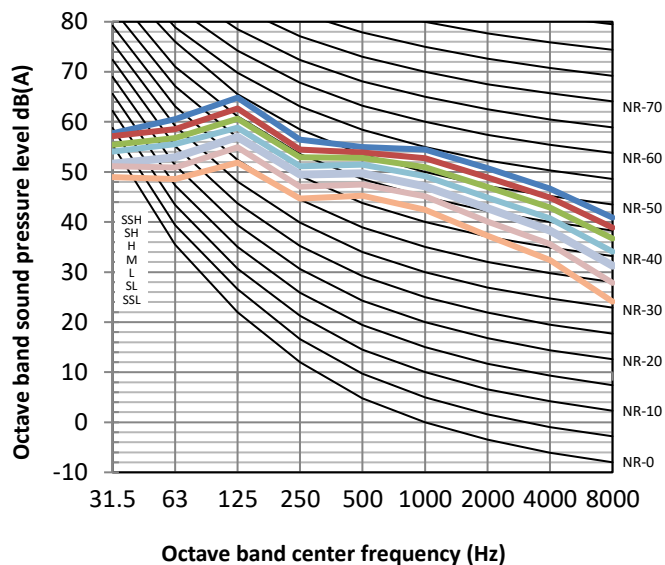
MHG-96HAN1 octave band levels



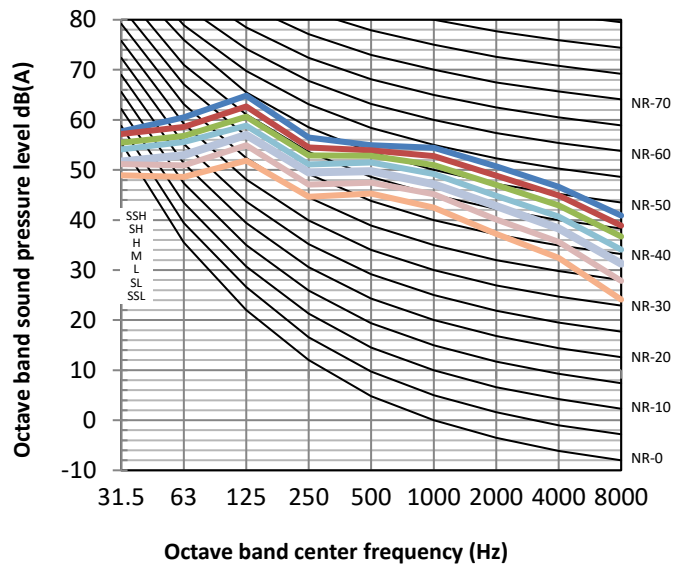
MHG-120HAN1 octave band levels



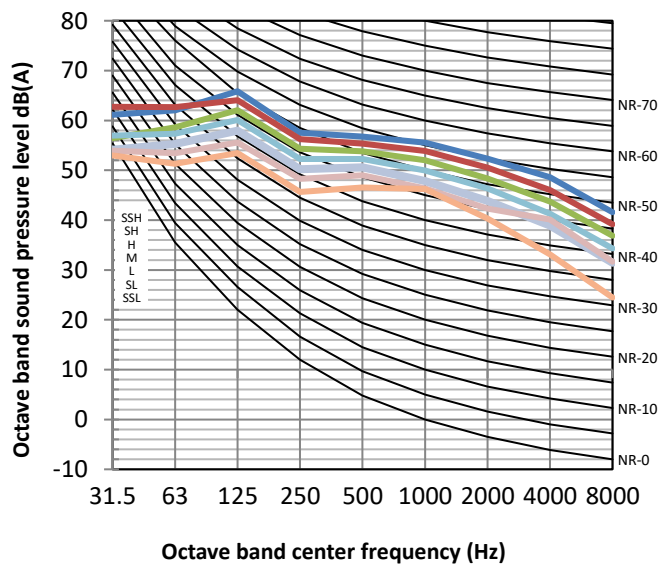
MHG-140HAN1 octave band levels



MHG-150HAN1 octave band levels



MHG-192HAN1 octave band levels



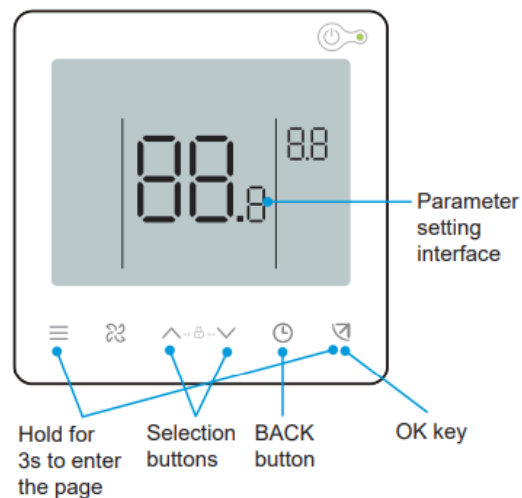
9 Fan Performance

9.1 How to switch between Constant Airflow mode and Constant Speed mode

① In the main interface, press "≡" + "↵" for 3 seconds at the same time, and the main interface will display "CC". Press the "▲" and "▼" to select the indoor unit ("n00-n63" is displayed, and the last two digits are the indoor unit addresses). Press the "↵" to enter the parameter setting interface, and "n00" will be displayed.

② Press the "▲" and "▼" until "N30" is displayed on the page, and then press the "↵" to enter the mode setting. Use the "▲" and "▼" keys to adjust to the demand mode parameter values, and press the "↵" to confirm.

③ Press the "⌚" button to return to the previous menu and exit the parameter setting. Parameter setting will also exit after 60 s of no operation



Mode setting

First level menu	Second level menu	Description	Default
n30	00	Constant Speed	-
	01	Constant Airflow	√

Notes:

- The above is only an example. If you choose other controllers, please refer to their instructions for setting.

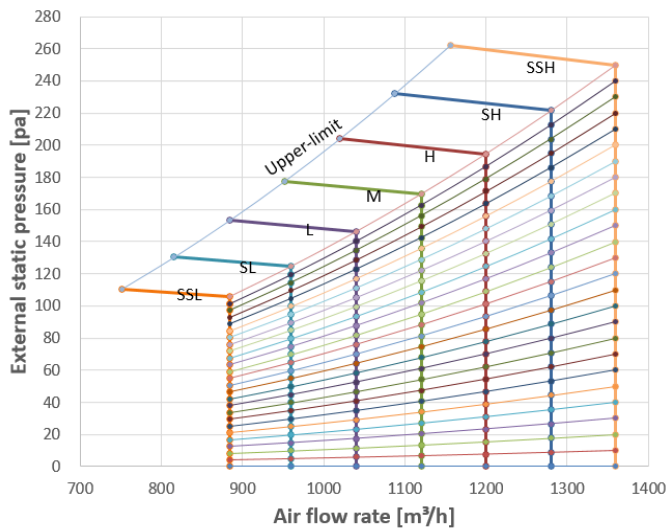
High Static Pressure Duct



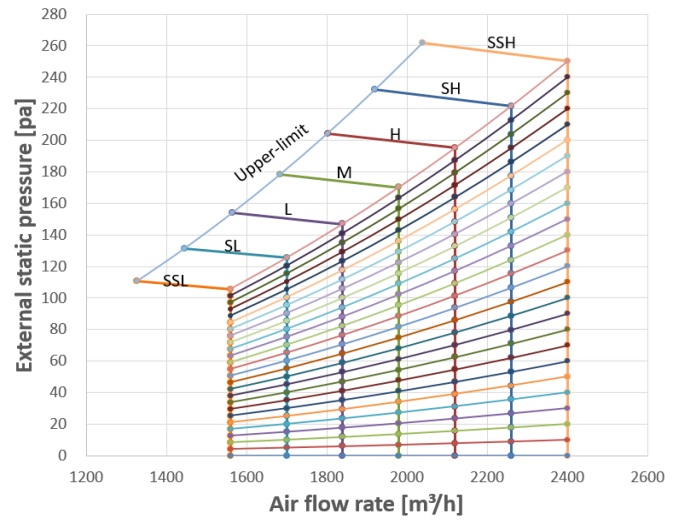
9.2 Constant Airflow mode

9.2.1 Fan performance diagram

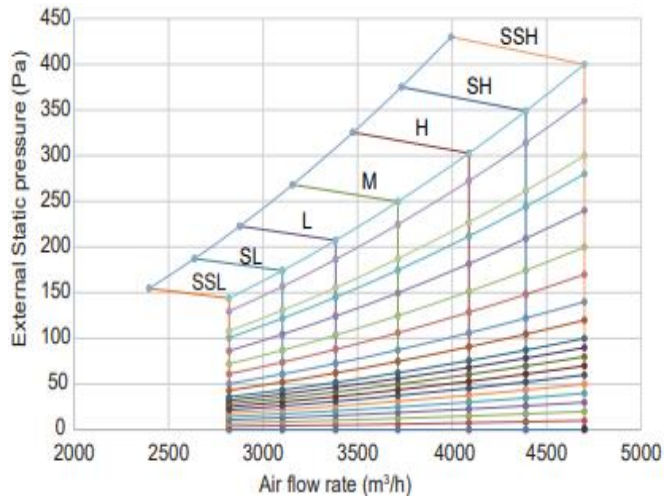
MHG-28HAN1



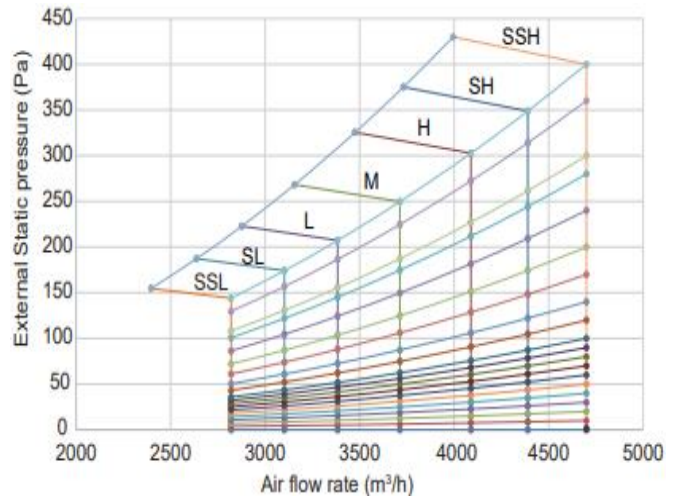
MHG-48HAN1



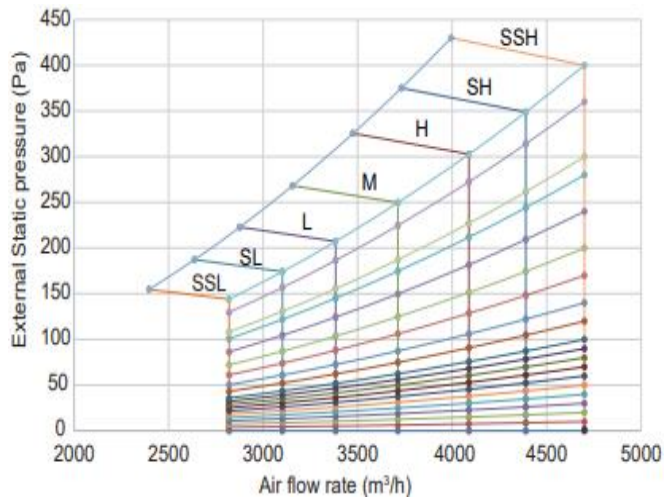
MHG-68HAN1



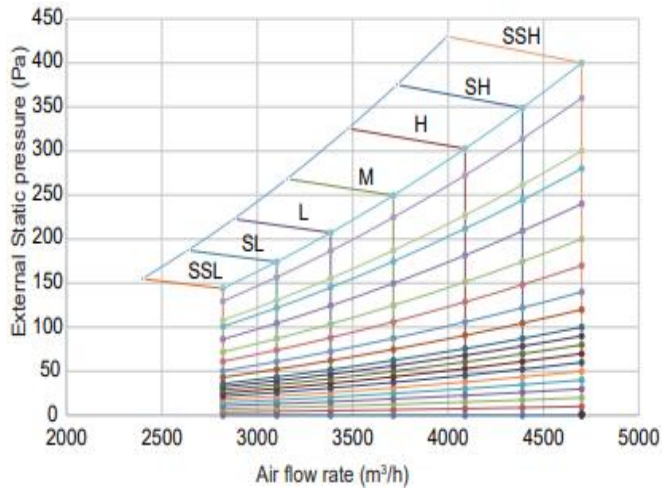
MHG-76HAN1



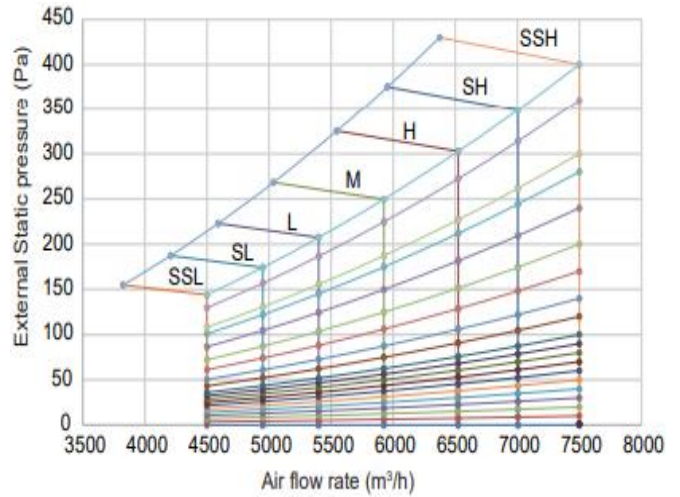
MHG-96HAN1



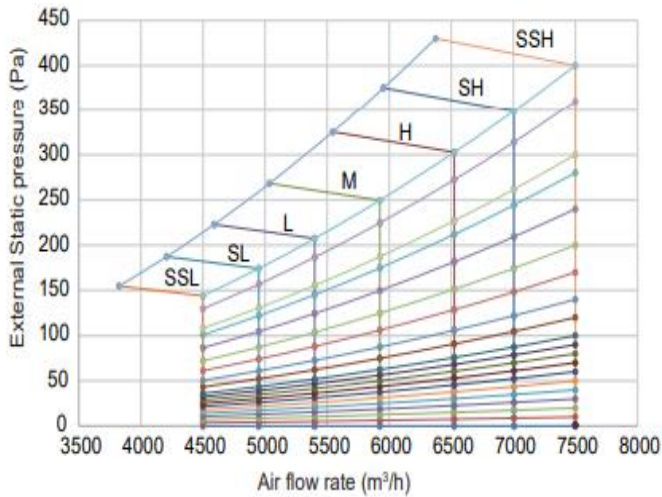
MHG-120HAN1



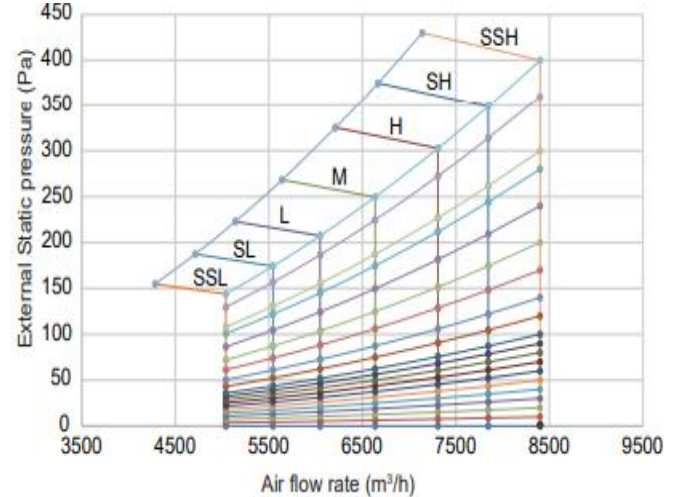
MHG-140HAN1



MHG-150HAN1



MHG-192HAN1



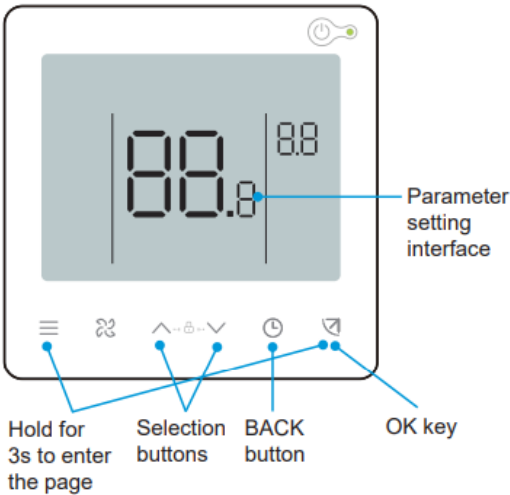
High Static Pressure Duct



9.3 Constant Speed mode

9.3.1 Set external static pressure parameters

- ① In the main interface, press "≡" + "↵" for 3 seconds at the same time, and the main interface will display "CC". Press the "▲" and "▼" to select the indoor unit ("n00-n63" is displayed, and the last two digits are the indoor unit addresses). Press the "↵" to enter the parameter setting interface, and "n00" will be displayed.
- ② When "n00" is displayed, press the "↵" to enter the static pressure setting. Use the "▲" and "▼" keys to adjust to the demand parameter values, and press the "↵" to confirm.
- ③ Press the "⌚" button to return to the previous menu and exit the parameter setting. Parameter setting will also exit after 60 s of no operation



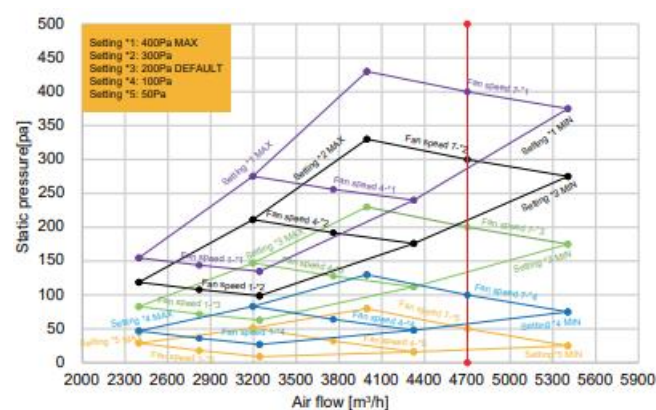
External static pressure setting (20-56kW)

First level menu	Second level menu	Description	Default
N00	00/01/02/03/04/05/~ /19	Static pressure level	14(20-33.5kW) 17(40-56kW)

Level	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19
Static pressure(Pa)	0	10	20	30	40	50	60	70	80	90	100	120	140	170	200	240	280	300	360	400

Notes:

1. The above is only an example of 86S wired controller. If you choose other controllers, please refer to their manuals for setting.



Setting "1": 400Pa MAX
 Setting "2": 300Pa
 Setting "3": 200Pa DEFAULT
 Setting "4": 100Pa
 Setting "5": 50Pa

Air flow [m³/h]	Setting "1" MAX	Setting "2" MAX	Setting "3" DEFAULT	Setting "4" 100Pa	Setting "5" 50Pa
2300	150	115	80	50	25
2600	150	115	80	50	25
2900	150	115	80	50	25
3200	270	210	100	40	20
3500	320	240	120	40	20
3800	430	330	160	60	30
4100	430	330	160	60	30
4400	430	330	160	60	30
4700	400	300	140	50	25
5000	400	300	140	50	25
5300	380	280	130	40	20
5600	380	280	130	40	20

[illegible]

The graph displays the relationship between static pressure and air flow for different fan speeds and settings. The y-axis represents static pressure in Pascals (Pa), ranging from 0 to 500. The x-axis represents air flow in cubic meters per hour (m³/h), ranging from 3000 to 9000. A vertical red line is drawn at 7500 m³/h.

Legend (Settings):

- Setting '1: 400Pa MAX
- Setting '2: 300Pa
- Setting '3: 200Pa DEFAULT
- Setting '4: 100Pa
- Setting '5: 50Pa

Data Series (Fan speeds):

- Fan speed 1-1 (Purple line, highest pressure)
- Fan speed 2-2 (Black line)
- Fan speed 3-3 (Green line)
- Fan speed 4-4 (Blue line)
- Fan speed 5-5 (Yellow line, lowest pressure)

Each fan speed series has multiple data points corresponding to different settings (1-5). The pressure generally decreases as air flow increases and as the setting number increases (from MAX to MIN).

Setting '1': 400Pa MAX
 Setting '2': 300Pa
 Setting '3': 200Pa DEFAULT
 Setting '4': 100Pa
 Setting '5': 50Pa

Air flow [m³/h]	Setting '1' MAX [Pa]	Setting '2' MAX [Pa]	Setting '3' MAX [Pa]	Setting '4' MAX [Pa]	Setting '5' MAX [Pa]
4000	160	120	80	30	20
4500	110	100	60	20	10
5000	270	210	140	60	10
5500	330	260	190	80	10
6000	430	330	230	110	20
6500	430	330	230	110	20
7000	390	300	200	80	10
7500	350	270	170	60	10
8000	310	230	130	40	10
8500	270	190	100	30	10

[illegible]

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