

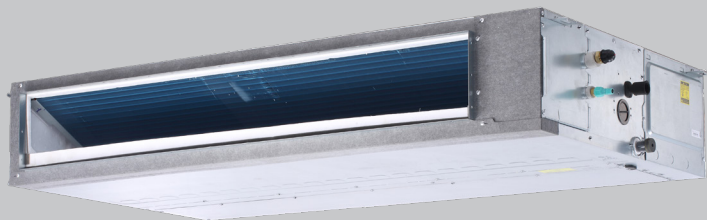


# Medium static pressure duct

CNT2-3-XY D15-D160

*Direct expansion indoor unit for VRF*

TECHNICAL BULLETIN



SIZE	15	22	28	36	45	56	71	80	90	112	125	140
COOLING CAPACITY kW	1.5	2.2	2.8	3.6	4.5	5.6	7.1	8	9	11.2	12.5	14
HEATING CAPACITY kW	1.8	2.5	3.2	4	5	6.3	8	9	10	12.5	14	16

# General technical data

MODEL			CNT2-3-XY D15	CNT2-3-XY D22	CNT2-3-XY D28	CNT2-3-XY D36
Power supply			1 phase, 220-240V, 50Hz			
Cooling <sup>1</sup>	Capacity	kW	1.5	2.2	2.8	3.6
		kBtu/h	5.1	7.5	9.6	12.3
	Power input	W	33	36	40	50
Heating <sup>2</sup>	Capacity	kW	1.8	2.5	3.2	4
		kBtu/h	6.1	8.5	10.9	13.7
	Power input	W	33	36	40	50
Fan motor	Type	DC				
	Number	1				
Indoor coil	Number of rows	2	2	2	2	
	Tube pitch	mm 18×10.72				
	Fin spacing and type	1.35 Hydrophilic aluminum				
	Tube OD and type	mm Ø5 Inner-groove				
	Dimensions (L×H×W)	mm 400×21.44×360				
	Number of circuits	5	5	5	5	
Air flow rate <sup>3</sup>	m <sup>3</sup> /h	470/438/407/375/ 343/312/280	500/467/433/400/ 367/333/300	540/503/467/430/ 393/357/320	575/535/495/455/ 415/375/335	
External static pressure <sup>4</sup>	Pa	30 (10-160)				
Sound pressure level <sup>5</sup>	dB(A)	26.5/26/25/24/23/22.5/22	26.5/26/25/24/23/22.5/22	26.5/26/25/24/23/22.5/22	29/28/27/26/25/23/22	
Sound power level	dB(A)	46/44.5/43/41.5/40/38.5/37	47/45.5/44/42.5/41/39.5/38	47/45.5/44/42.5/41/39.5/38	50/48.5/47/45/43/41/39	
Unit	Net dimensions <sup>6</sup> (W×H×D)	mm 600×245×750				
	Packed dimensions (W×H×D)	mm 765×305×890				
	Net/Gross weight	kg 18.5/21				
Refrigerant type	R410A/R32					
Throttle type	Electronic expansion valve					
Design pressure (H/L)	MPa	4.4/2.6				
Refrigerant piping	Liquid/Gas side	mm Ø6.35/Ø12.7				
	Drain pipe	mm OD Ø25				

## 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 1.5m 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
- G1 air filter is standard for Medium Static Pressure Duct

# General technical data

MODEL			CNT2-3-XY D45	CNT2-3-XY D56	CNT2-3-XY D71	CNT2-3-XY D80
Power supply			1 phase, 220-240V, 50Hz			
Cooling <sup>1</sup>	Capacity	kW	4.5	5.6	7.1	8
		kBtu/h	15.4	19.1	24.2	27.3
	Power input	W	70	70	96	102
Heating <sup>2</sup>	Capacity	kW	5	6.3	8	9
		kBtu/h	17.1	21.5	27.3	30.7
	Power input	W	70	70	96	102
Fan motor	Type		DC			
	Number		1			
Indoor coil	Number of rows		3	2	3	2
	Tube pitch	mm	18×10.72			
	Fin spacing and type		1.35 Hydrophilic aluminum			
	Tube OD and type	mm	Ø5 Inner-groove			
	Dimensions (L×H×W)	mm	400×32.16×360	600×21.44×360	600×32.16×360	850×21.44×360
	Number of circuits		5	5	10	10
	Air flow rate <sup>3</sup>	m <sup>3</sup> /h	665/623/580/538/ 495/453/410	970/904/838/773/ 707/641/575	1150/1068/986/ 904/822/740/660	1355/1263/1172/ 1080/988/897/805
External static pressure <sup>4</sup>	Pa	30 (10-160)				
Sound pressure level <sup>5</sup>	dB(A)	33/32/29.5/28/26.5/25/24	33/32/31/30/27.5/26/25	35/33.5/32/30.5/29/27.5/26	37/35.5/34/32.5/31/29.5/28	
Sound power level	dB(A)	53/51/49/47/45/43/41	55/53/51/49/47/45/43	58/56/54/51.5/48/47/45	59/57/55/53/51/49/47	
Unit	Net dimensions <sup>6</sup> (W×H×D)	mm	600×245×750	800×245×750	1050×245×750	
	Packed dimensions (W×H×D)	mm	765×305×890	965×305×890	1215×305×890	
	Net/Gross weight	kg	19.5/22	24/27.5	25/28.5	30/33.5
Refrigerant type		R410A/R32				
Throttle type		Electronic expansion valve				
Design pressure (H/L)	MPa	4.4/2.6				
Refrigerant piping	Liquid/Gas side	mm	Ø6.35/Ø12.7		Ø9.52/Ø15.9	
	Drain pipe	mm	OD Ø25			

## 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 1.5m 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
- G1 air filter is standard for Medium Static Pressure Duct

# General technical data

MODEL			CNT2-3-XY D90	CNT2-3-XY D112	CNT2-3-XY D125	CNT2-3-XY D140	CNT2-3-XY D160
Power supply			1 phase, 220-240V, 50Hz				
Cooling <sup>1</sup>	Capacity	kW	9	11.2	12.5	14	16
		kBtu/h	30.7	38.2	42.7	47.8	54.6
	Power input	W	110	138	172	172	210
Heating <sup>2</sup>	Capacity	kW	10	12.5	14	16	18
		kBtu/h	34.1	42.7	47.8	54.6	61.4
	Power input	W	110	138	172	172	210
Fan motor	Type	DC					
	Number of rows	3	2	3	3	3	
	Tube pitch	mm 18×10.72					
Indoor coil	Fin spacing and type		1.35 Hydrophilic aluminum				
	Tube OD and type	mm Ø5 Inner-groove					
	Dimensions (L×H×W)	mm	850×32.16×360	1200×21.44×360	1200×32.16×360	1200×32.16×360	1200×32.16×360
	Number of circuits		10				
Air flow rate <sup>3</sup>	m <sup>3</sup> /h	1420/1323/1225/1128/ 1030/933/835	1950/1817/1683/ 1550/1417/1283/1150	2105/1971/1837/1703/ 1568/1434/1300	2105/1971/1837/1703/ 1568/1434/1300	2350/2160/2015/1871/ 1776/1533/1400	
External static pressure <sup>4</sup>	Pa	40 (10-160)			50 (10-160)		
Sound pressure level <sup>5</sup>	dB(A)	37/35.5/34/32.5 /31/29.5/28	39/37/35/33 /31/29/28	40/38/36/34 /32/30/29	40/38/36/34 /32/30/29	42/40/38/36 /34/33/31	
Sound power level	dB(A)	59/57/55/53 /50.5/48/46	60/58/56.5/55 /53.5/52/50	64/62/61.5/59.5/ 57.5/55/53	64/62/61.5/59.5/ 57.5/55/53	65/63/61/58.5 /56.5/54/52	
Unit	Net dimensions <sup>6</sup> (W×H×D)	mm	1050×245×750		1400×245×750		
	Packed dimensions (W×H×D)	mm	1215×305×890		1565×305×890		
	Net/Gross weight	kg	31/34.5	37/41.5	39/43.5	39/43.5	39/43.5
Refrigerant type			R410A/R32				
Throttle type			Electronic expansion valve				
Design pressure (H/L)		MPa	4.4/2.6				
Refrigerant piping	Liquid/Gas side	mm	Ø9.52/Ø15.9				
	Drain pipe	mm	OD Ø25				

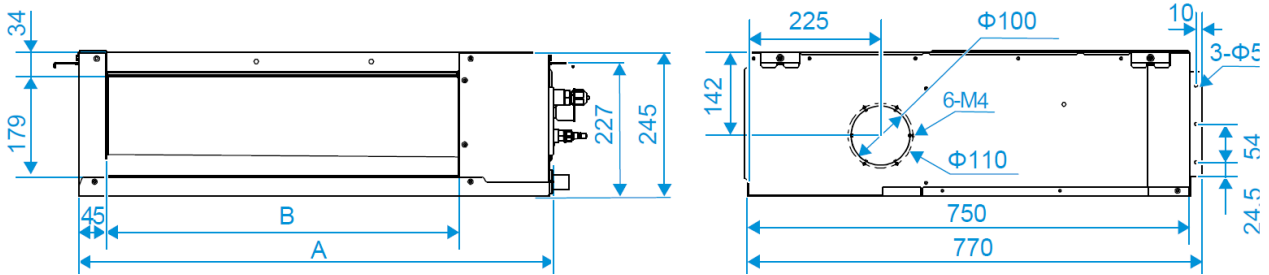
## Notes:

- 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 1.5m 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.
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- G1 air filter is standard for Medium Static Pressure Duct

# Dimensions

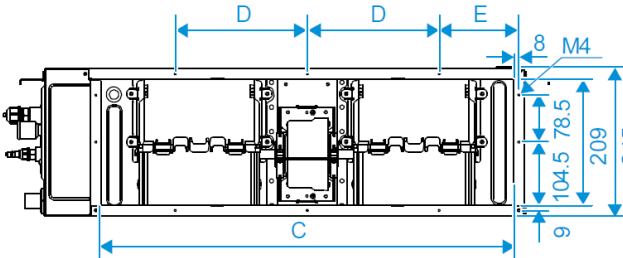
## External dimension, air outlet size, and size of fresh air outlet

(unit: mm)



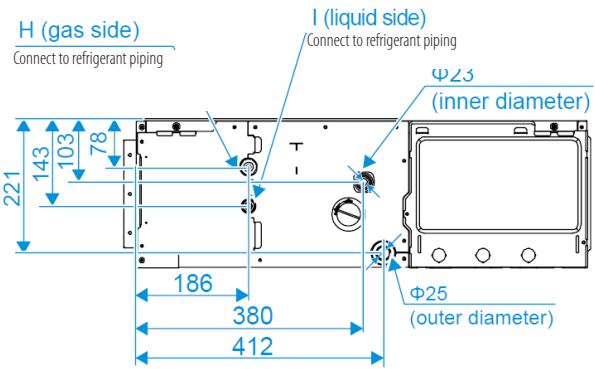
## Size of return air inlet (rear return air mode)

(unit: mm)



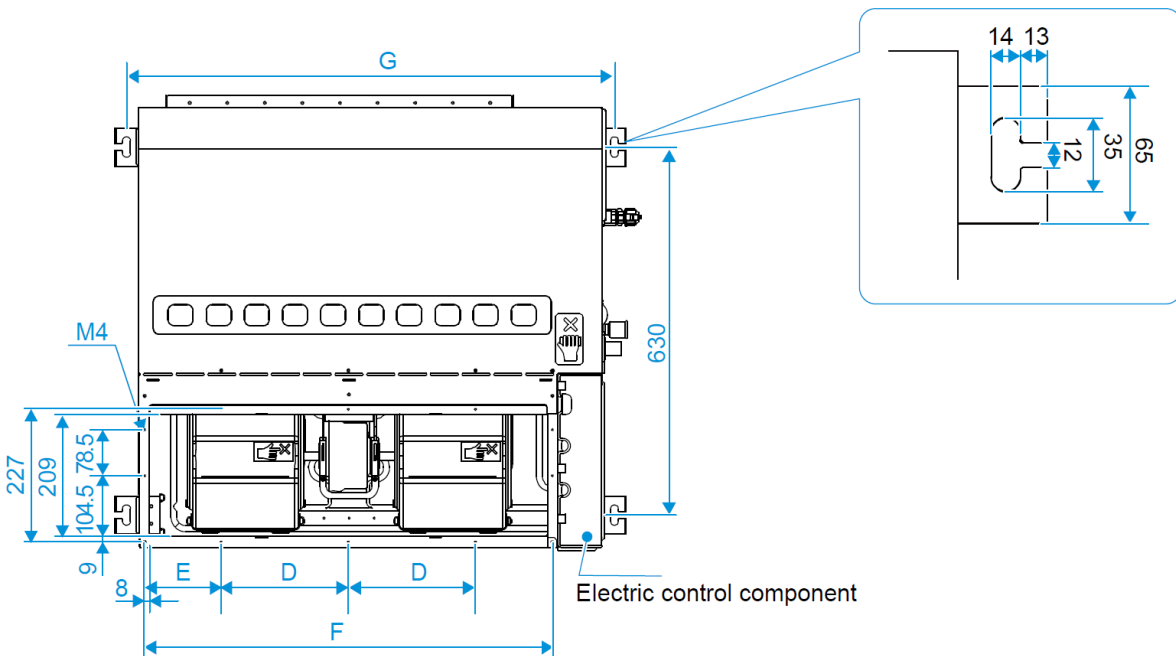
## Piping and water pipe size

(unit: mm)



## Size of return air inlet (bottom return air mode) and distance between lifting lugs

(unit: mm)



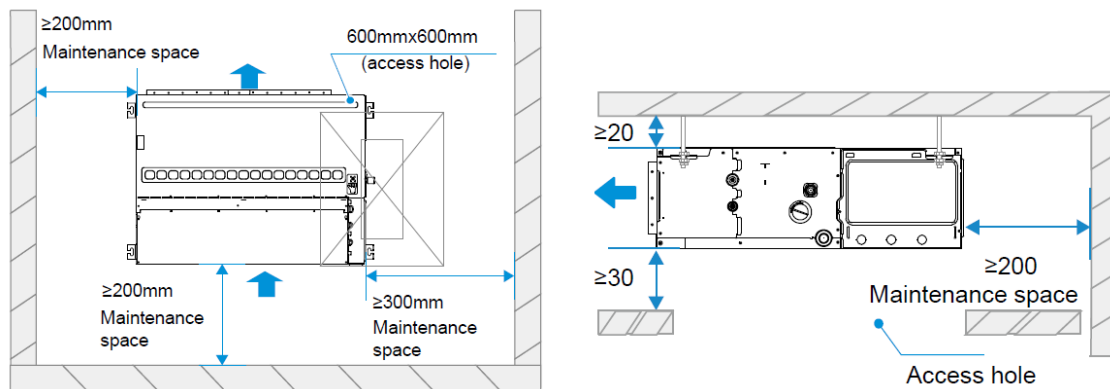
MODEL	A	B	C	D	E	F	G	H	I
D15 ÷ D45	600	400	490	87.5	165	506	645		
D56	800	600	690	220	134	706	845	Φ12.7	Φ6.35
D71	800	600	690	220	134	706	845		
D80 ÷ D90	1050	850	940	220	146	956	1095	Φ15.9	Φ9.52
D112 ÷ D160	1400	1200	1290	220	213	1306	1445		

## Placement Considerations

Unit placement should take account of the following considerations:

- Units should not be installed in the following locations:
  - A place filled with mineral oil, fumes or mist, like a kitchen.
  - A place where there are corrosive gases, such as acid or alkaline gases.
  - A place exposed to combustible gases and using volatile combustible gases such as diluent or gasoline.
  - A place where there is equipment emitting electromagnetic radiation.
  - A place where there is a high salt content in the air like a coast.
  - Do not use the air conditioner in an environment where an explosion may occur.
  - Places like in vehicles or cabin rooms.
  - Factories with major voltage fluctuations in the power supplies.
  - Other special environmental conditions.
- Units should be installed in positions where:
  - Ensure that the airflow in and out of the IDU is reasonably organized to form an air circulation in the room.
  - Ensure IDU maintenance space.
  - The nearer the drainage pipe and copper pipe are to the ODU, the lower the pipe cost is.
  - Prevent the air conditioner from blowing directly to the human body.
  - The closer the wiring to the power cabinet, the lower the wiring cost is.
  - Keep the air-conditioning return air away from the setting sun of the room.
  - Be careful not to interfere with the light tank, fire pipe, gas pipe and other facilities.
  - The IDU should not be lifted in the places like load-bearing beam and columns that affect the structural safety of the house.
  - The wired controller and the IDU should be in the same installation space; otherwise, the sampling point setting of the wired controller need to be changed.

## Space Requirements

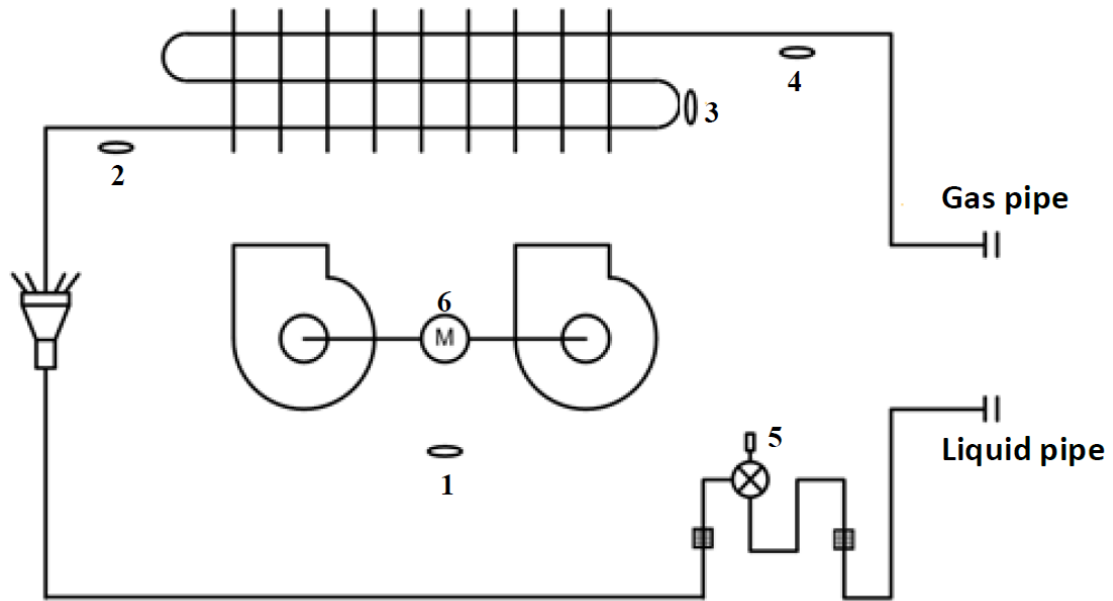


(unit: mm)

Notes:

1. The centerline of the maintenance hole should be in the same position as the centerline of the indoor unit.

# Piping Diagram



## 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	DC Fan Motor





# Notes for installer and service engineers

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## 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.
- 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

## Cooling Capacity Table

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
<b>D15</b>	1.4	1.3	1.5	1.4	1.5	1.3	1.5	1.3	1.6	1.3	1.6	1.2	1.6	1.1
<b>D22</b>	2.0	1.9	2.1	1.9	2.2	1.9	2.2	1.8	2.3	1.8	2.3	1.7	2.4	1.7
<b>D28</b>	2.5	2.3	2.7	2.4	2.8	2.4	2.8	2.3	2.9	2.3	2.9	2.2	3.0	2.1
<b>D36</b>	3.2	3.0	3.4	3.1	3.6	3.1	3.6	3.0	3.7	3.0	3.8	2.8	3.9	2.7
<b>D45</b>	4.0	3.7	4.3	3.8	4.5	3.9	4.5	3.7	4.6	3.6	4.7	3.5	4.8	3.3
<b>D56</b>	5.0	4.6	5.3	4.7	5.6	4.8	5.6	4.6	5.7	4.5	5.8	4.3	6.0	4.1
<b>D71</b>	6.3	5.8	6.7	5.9	7.0	6.0	7.1	5.8	7.2	5.7	7.4	5.4	7.6	5.2
<b>D80</b>	7.1	6.3	7.6	6.5	7.9	6.6	8.0	6.5	8.1	6.3	8.3	6.0	8.5	5.8
<b>D90</b>	8.0	7.1	8.5	7.3	8.9	7.4	9.0	7.3	9.1	7.1	9.4	6.8	9.6	6.5
<b>D112</b>	9.9	8.8	10.6	9.1	11.1	9.3	11.2	9.1	11.3	8.8	11.6	8.4	11.9	8.1
<b>D125</b>	11.1	9.9	11.8	10.2	12.4	10.4	12.5	10.1	12.7	9.9	13.0	9.4	13.3	9.0
<b>D140</b>	12.4	11.1	13.2	11.4	13.8	11.5	14.0	11.3	14.2	11.0	14.5	10.5	14.9	10.1
<b>D160</b>	14.2	12.7	15.1	13.0	15.8	13.2	16.0	12.9	16.2	12.6	16.6	12.0	17.0	11.5

Abbreviations:

TC: Total capacity (kW)

SC: Sensible capacity(kW)

Notes:

1.Shaded cells indicate rating condition.

## Heating Capacity Table

MODEL	Indoor air temperature (°C DB)					
	16	18	20	21	22	24
	SHC	SHC	SHC	SHC	SHC	SHC
<b>D15</b>	1.9	1.9	1.8	1.7	1.7	1.6
<b>D22</b>	2.7	2.7	2.5	2.4	2.4	2.2
<b>D28</b>	3.4	3.4	3.2	3.1	3.0	2.8
<b>D36</b>	4.2	4.2	4.0	3.8	3.8	3.5
<b>D45</b>	5.3	5.3	5.0	4.8	4.7	4.4
<b>D56</b>	6.7	6.6	6.3	6.1	5.9	5.5
<b>D71</b>	8.5	8.4	8.0	7.8	7.5	7.0
<b>D80</b>	9.5	9.5	9.0	8.7	8.5	7.8
<b>D90</b>	10.6	10.5	10.0	9.7	9.4	8.8
<b>D112</b>	13.3	13.1	12.5	12.1	11.8	10.9
<b>D125</b>	14.8	14.7	14.0	13.6	13.2	12.2
<b>D140</b>	17.0	16.8	16.0	15.5	15.0	13.9
<b>D160</b>	19.1	18.9	18.0	17.5	16.9	15.7

Abbreviations:

SHC: Sensible heating capacity(kW)

Notes:

1.Shaded cells indicate rating condition

# Electrical characteristics

MODEL	Power supply						Indoor fan motors	
	Hz	Volts (V)	Min. volts	Max. volts	MCA (A)	MFA (A)	Rated motor output (W)	FLA (A)
<b>D15</b>	50	220-240	198	264	0.63	15	50	0.50
<b>D22</b>	50	220-240	198	264	0.63	15	50	0.50
<b>D28</b>	50	220-240	198	264	0.63	15	50	0.50
<b>D36</b>	50	220-240	198	264	0.80	15	50	0.64
<b>D45</b>	50	220-240	198	264	1.19	15	50	0.95
<b>D56</b>	50	220-240	198	264	1.19	15	60	0.95
<b>D71</b>	50	220-240	198	264	1.50	15	60	1.2
<b>D80</b>	50	220-240	198	264	1.50	15	240	1.2
<b>D90</b>	50	220-240	198	264	1.63	15	240	1.3
<b>D112</b>	50	220-240	198	264	2.29	15	240	1.8
<b>D125</b>	50	220-240	198	264	2.31	15	240	1.9
<b>D140</b>	50	220-240	198	264	2.31	15	240	1.9
<b>D160</b>	50	220-240	198	264	2.76	15	240	2.2

**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).

**Notes:**

Voltage range: Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.

Maximum allowable voltage variation between phases is 2%.

Selection wire size based on the value of MCA.

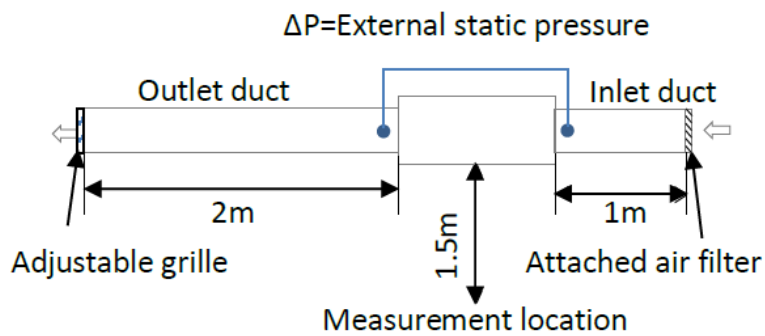
MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth circuit breaker).

## Overall

Model	Sound pressure levels dB(A)						
	SSH	SH	H	M	L	SL	SSL
D15	26.5	26	25	24	23	22.5	22
D22	26.5	26	25	24	23	22.5	22
D28	26.5	26	25	24	23	22.5	22
D36	29	28	27	26	25	23	22
D45	33	32	29.5	28	26.5	25	24
D56	33	32	31	30	27.5	26	25
D71	35	33.5	32	30.5	29	27.5	26
D80	37	35.5	34	32.5	31	29.5	28
D90	37	35.5	34	32.5	31	29.5	28
D112	39	37	35	33	31	29	28
D125	40	38	36	34	32	30	29
D140	42	40	38	36	34	33	31

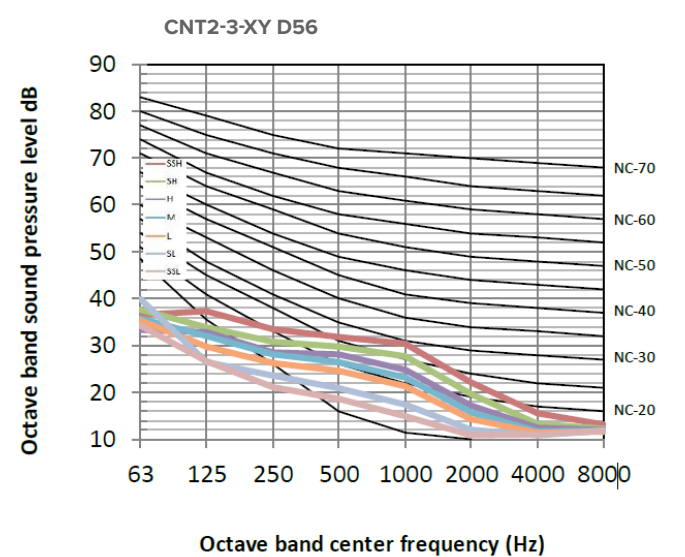
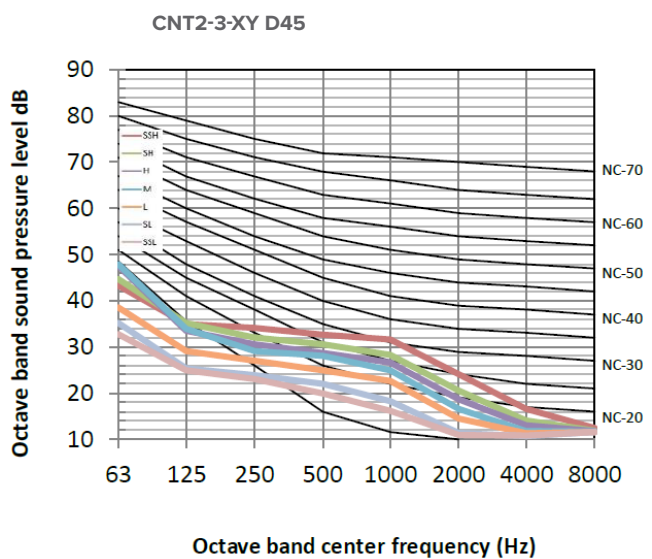
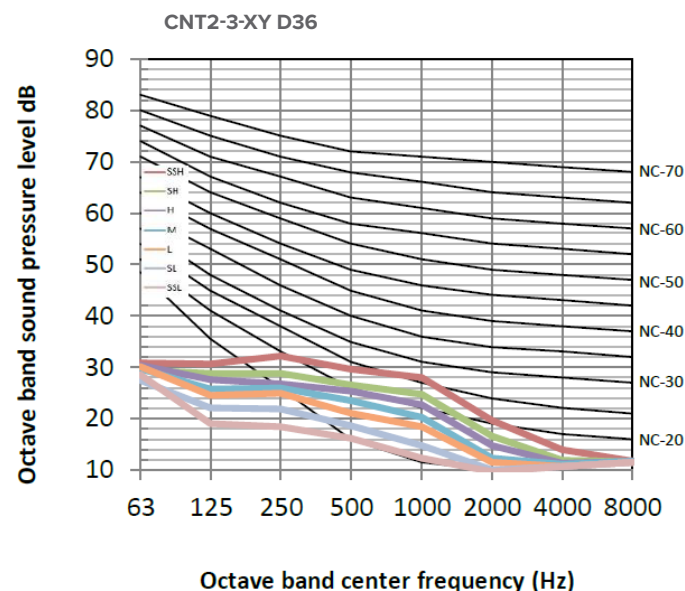
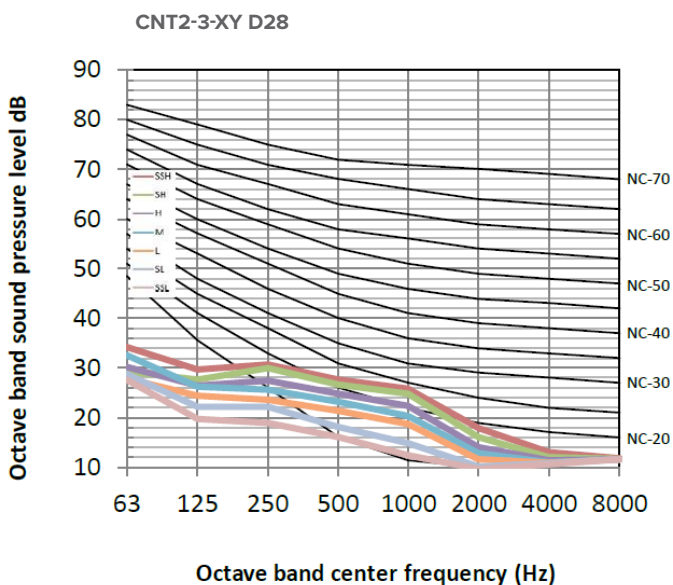
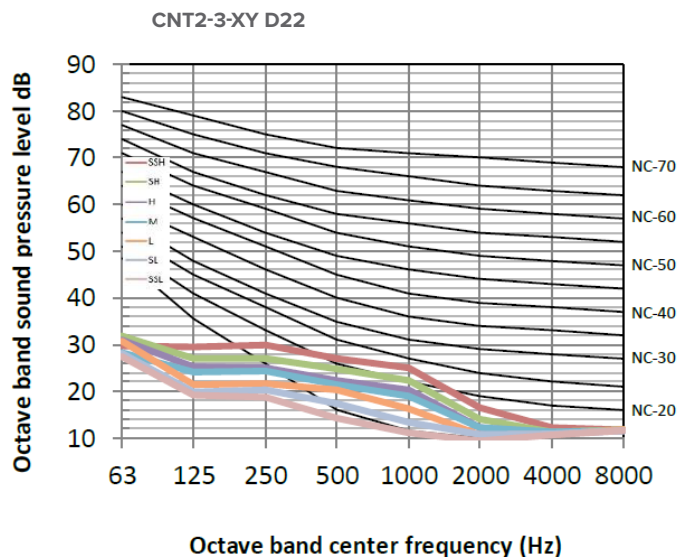
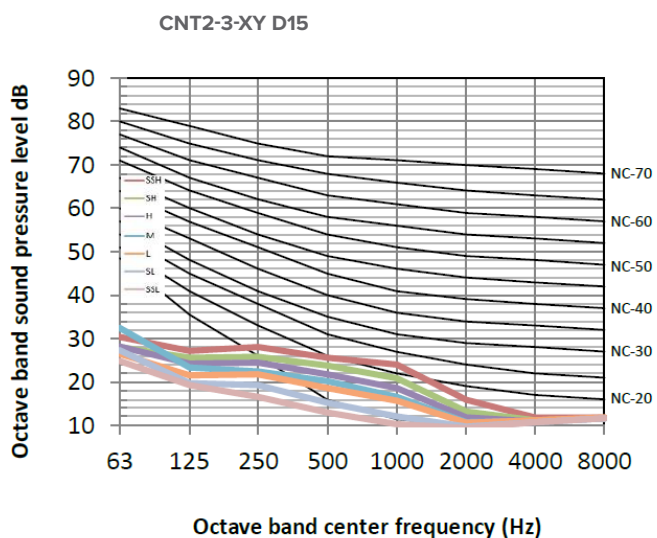
Notes:  
The sound pressure level is measured in an anechoic chamber at a distance of 1.5m below the unit, under the default static pressure setting at the factory. During on-site operation, the sound pressure level may be higher due to the influence of environmental noise

## Sound pressure level measurement

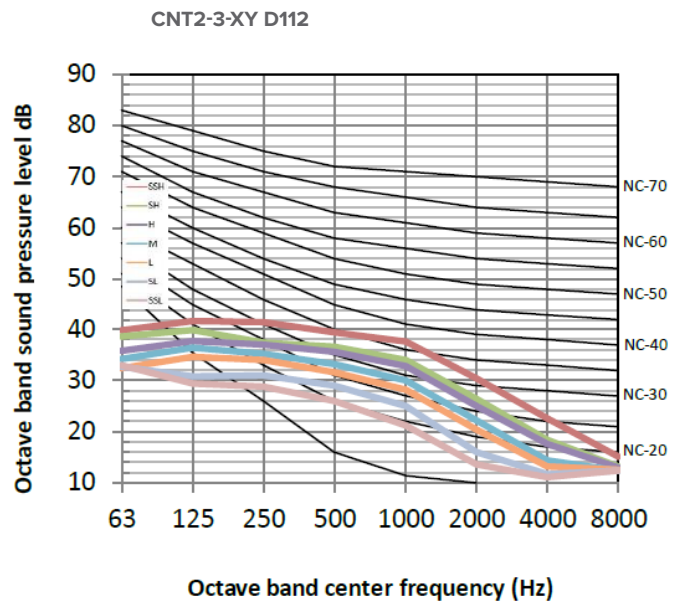
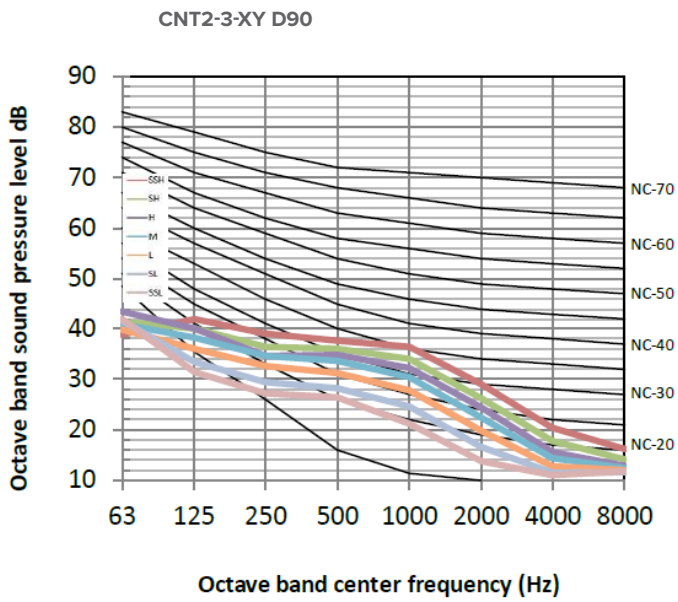
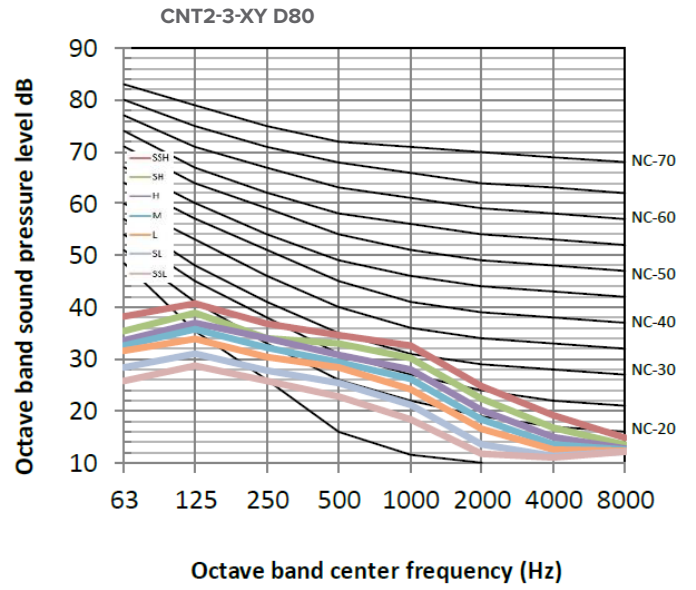
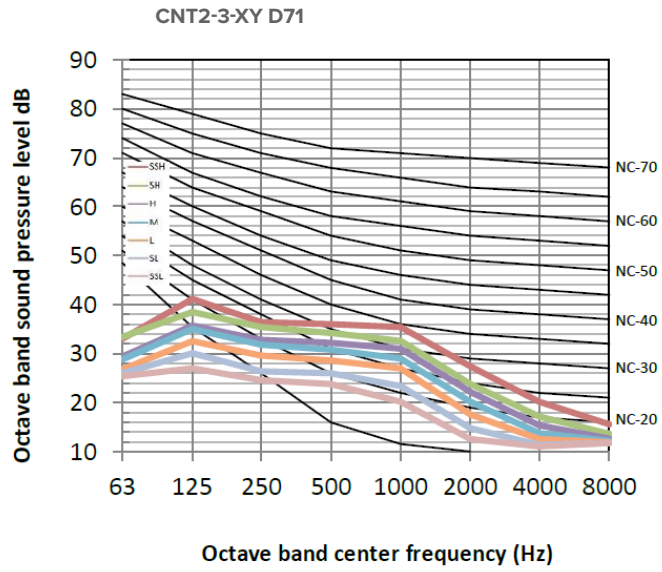


Connected to a top-discharge outdoor unit and measured in anechoic room.  
Adjusting the outlet grille to make the  $\Delta P$  is equal to the rated static pressure, the data was recorded at 1.5m below the unit

# Octave band levels

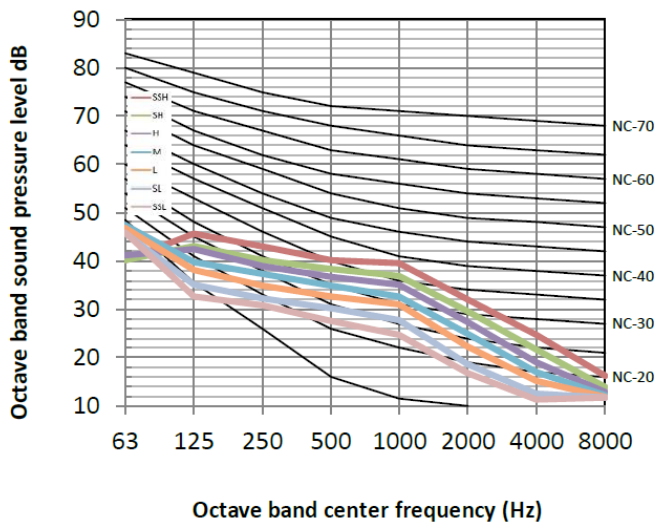


# Octave band levels

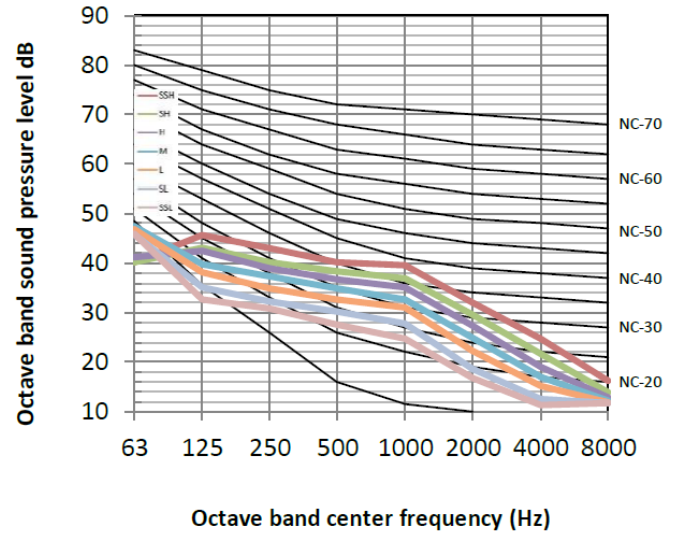


# Octave band levels

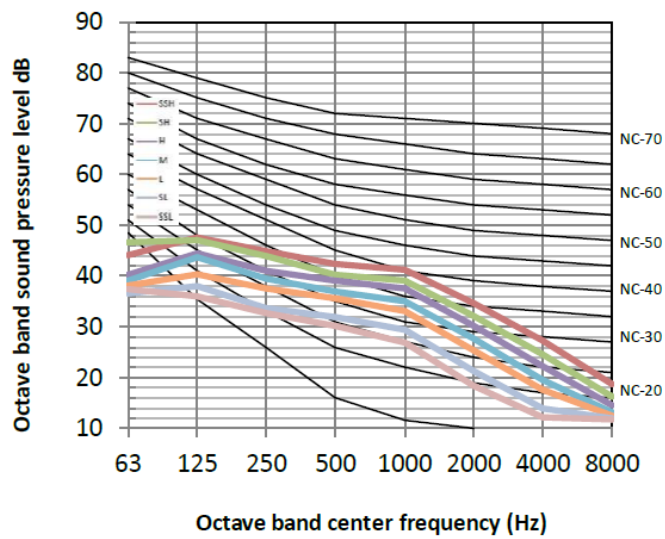
CNT2-3-XY D125



CNT2-3-XY D140

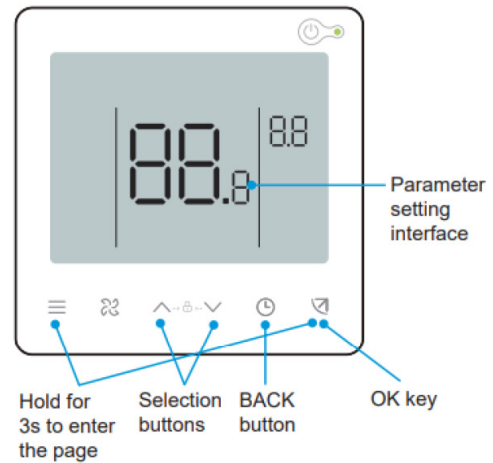


CNT2-3-XY D160



## 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. 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



### Mode setting

First level menu	Second level menu	Description	Default
N30	00	Constant Speed	-
	01	Constant Airflow	✓

#### Notes:

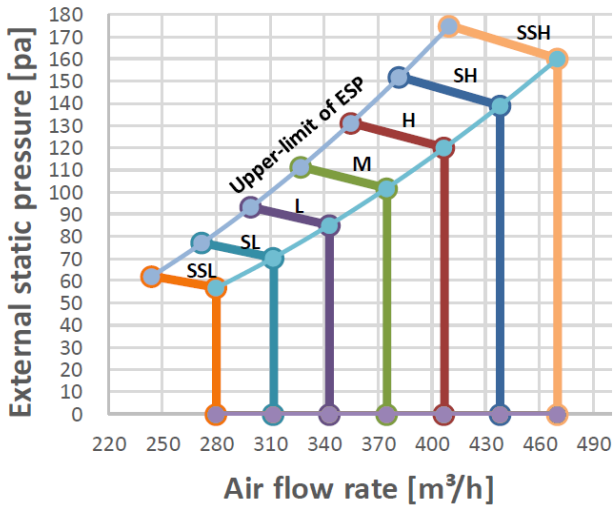
1. The above is only an example. If you choose other controllers, please refer to their instructions for setting.



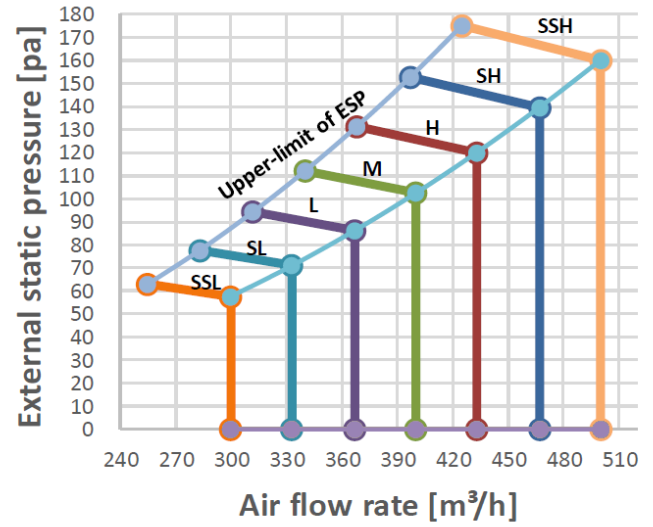
# Costant airflow mode

## Fan performance diagram

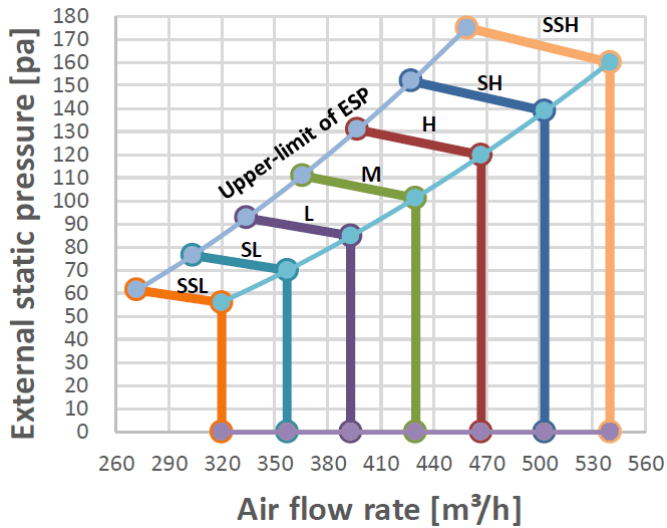
CNT2-3-XY D15



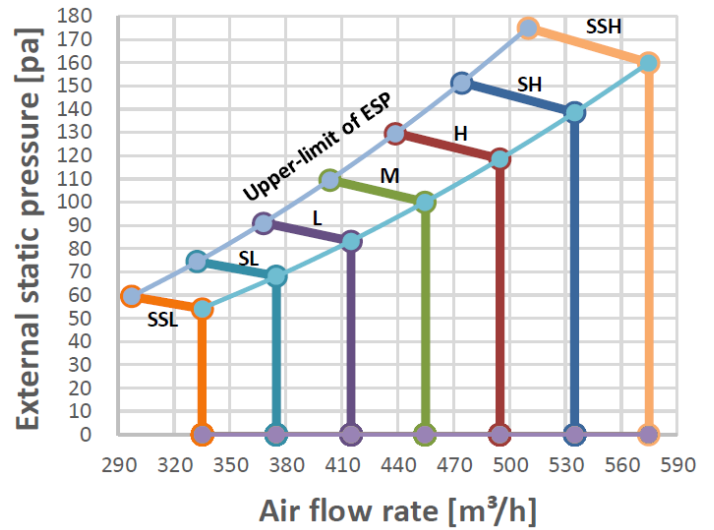
CNT2-3-XY D22



CNT2-3-XY D28

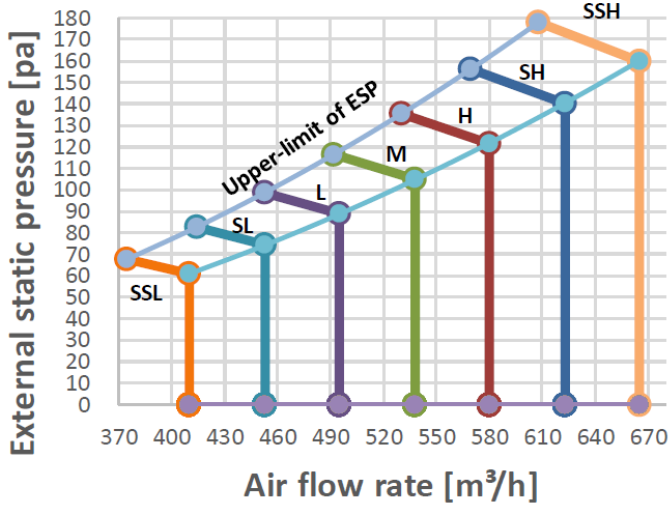


CNT2-3-XY D36

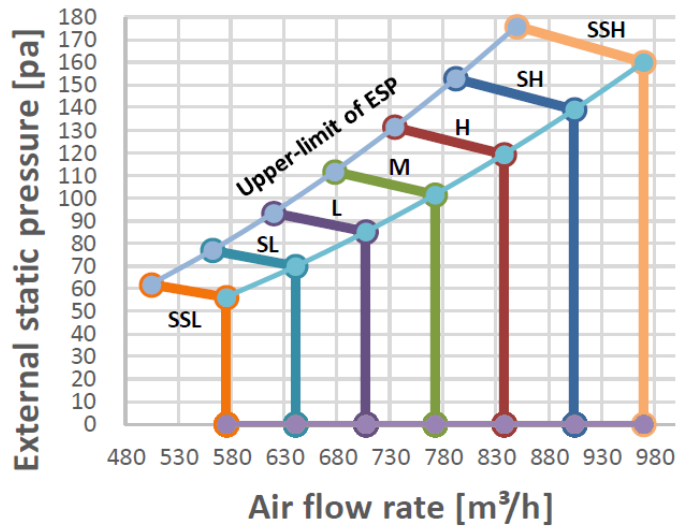


# Constant airflow mode

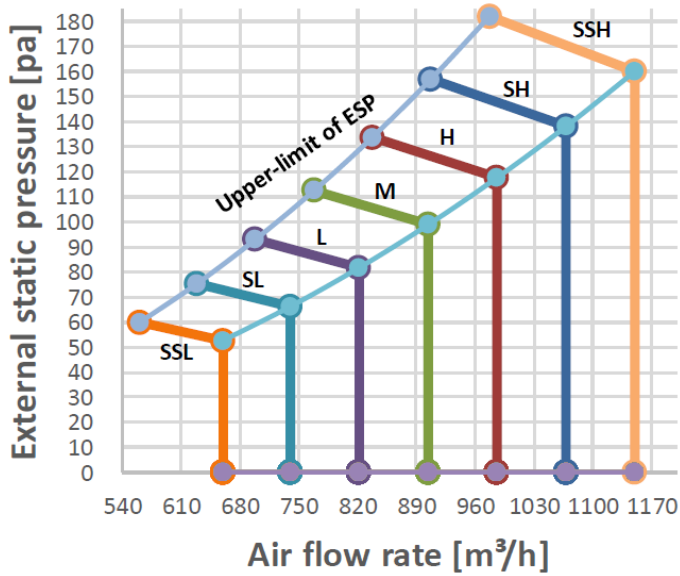
CNT2-3-XY D45



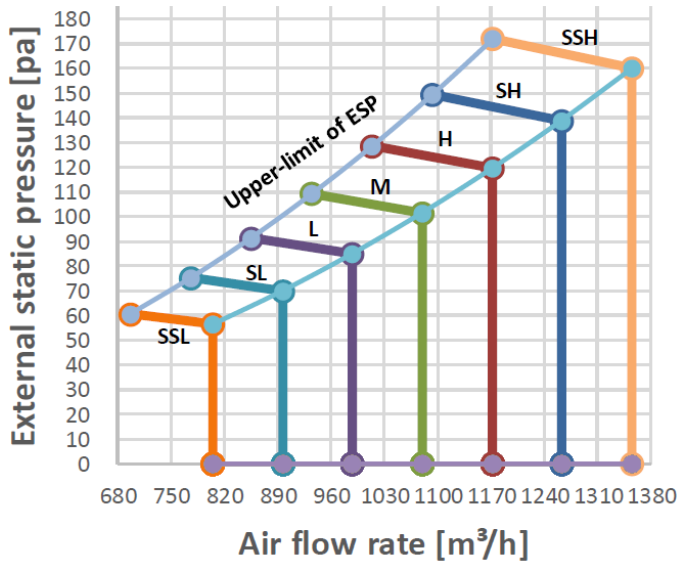
CNT2-3-XY D56



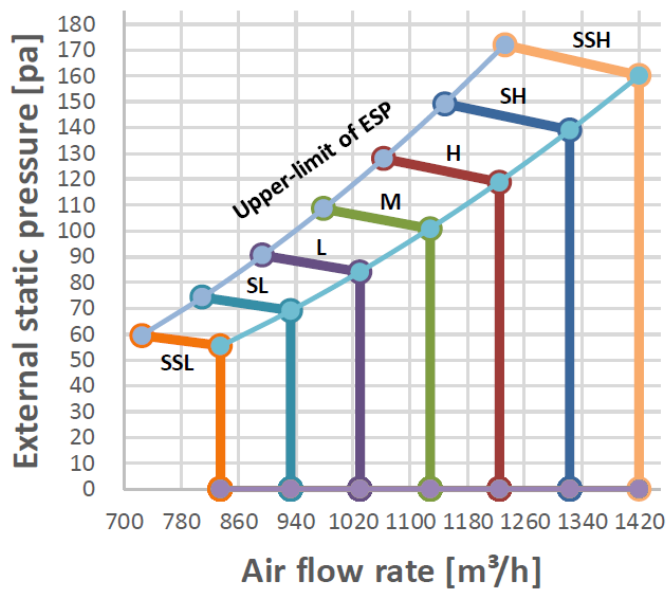
CNT2-3-XY D71



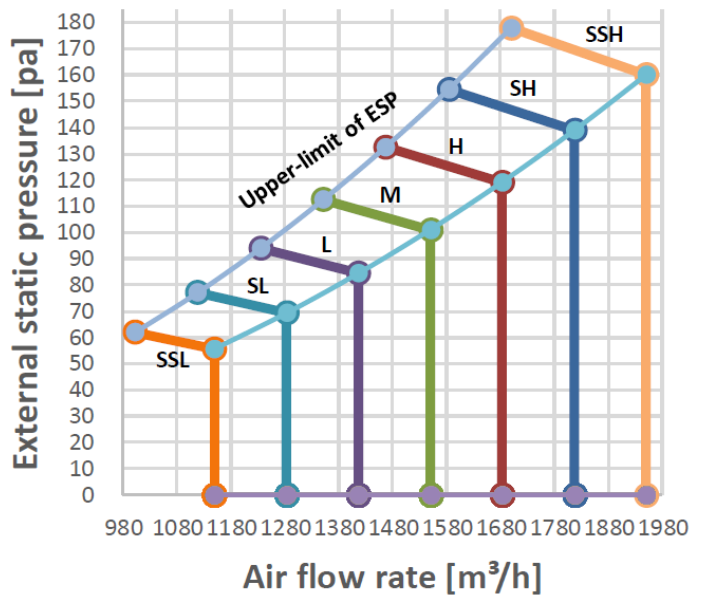
CNT2-3-XY D80



CNT2-3-XY D90

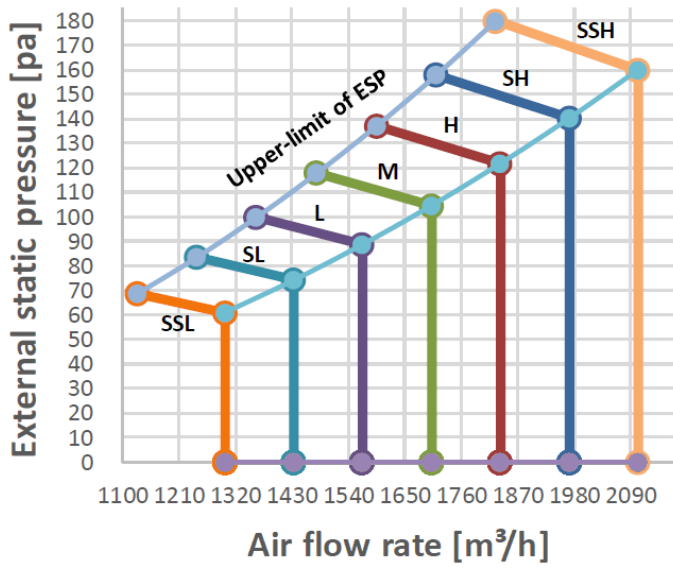


CNT2-3-XY D112

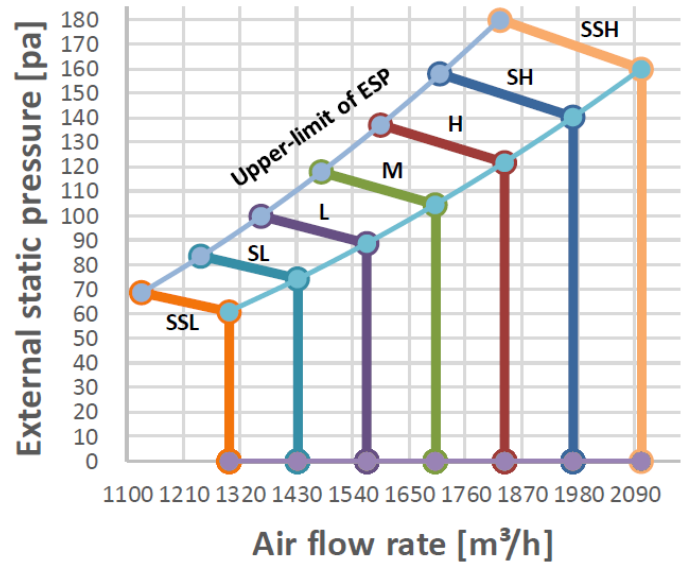


# Constant airflow mode

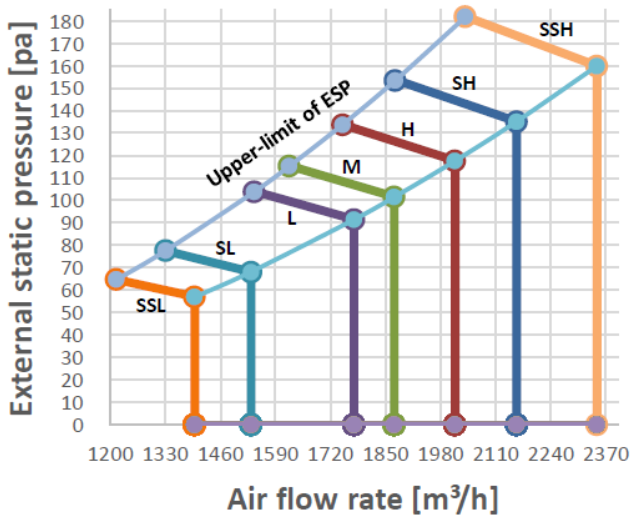
CNT2-3-XY D125



CNT2-3-XY D140



CNT2-3-XY D140



## How to Read the Diagram (Constant Airflow mode)

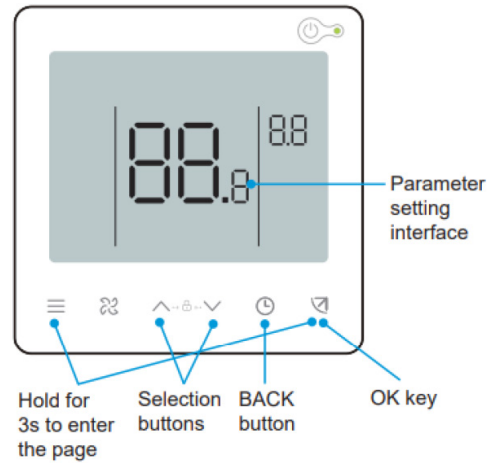
The vertical axis is the External Static Pressure (Pa) while the horizontal axis represents the Air Flow (m³/h).

The characteristic curve for the “SSH”, “SH”, “H”, “M”, “L”, “SL” and “SSL” fan speed control.

For CNT2-3-XY D140, in “H” windshield, when the external static pressure is less than 122 Pa, the air flow keeps 1837 m³/h, but when the external static pressure is greater than 122 Pa, the air flow begins to decline, and the allowable maximum external static pressure is 137 Pa.

## 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

First level menu	Second level menu	Description	Default
N00	00/01/02/03/04/05/*/19	Static pressure level	D15-D71 : 06 D80-D112: 07 D125-D160: 08

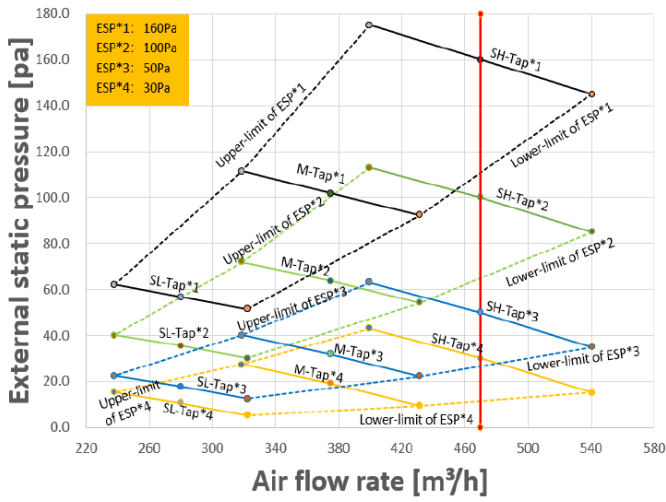
Level	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19
Static pressure (Pa)	0	5	10	15	20	25	30	40	50	60	70	80	90	100	110	120	130	140	150	160

### Notes:

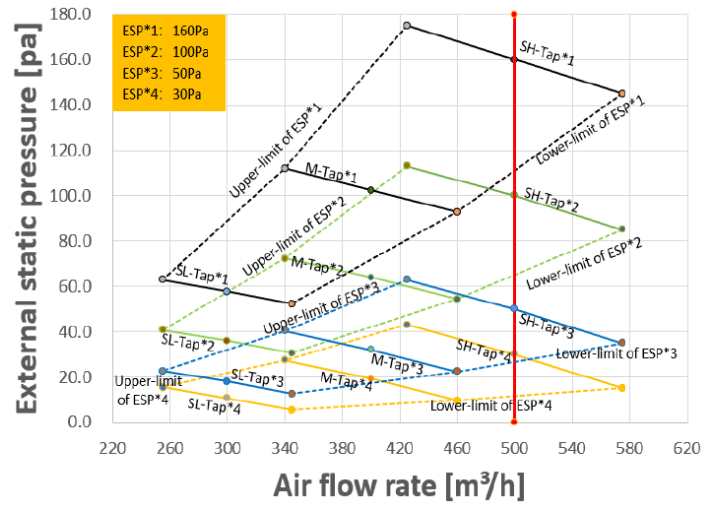
1. The above is only an example of 86S wired controller. If you choose other controllers, please refer to their manuals for setting.

# Fan performance

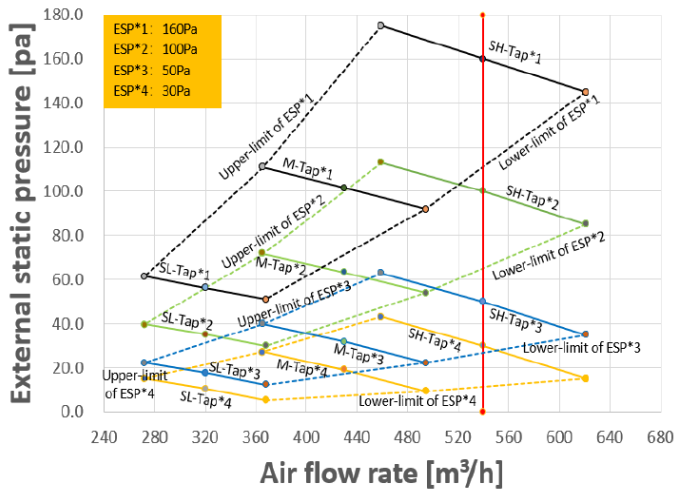
CNT2-3-XY D15



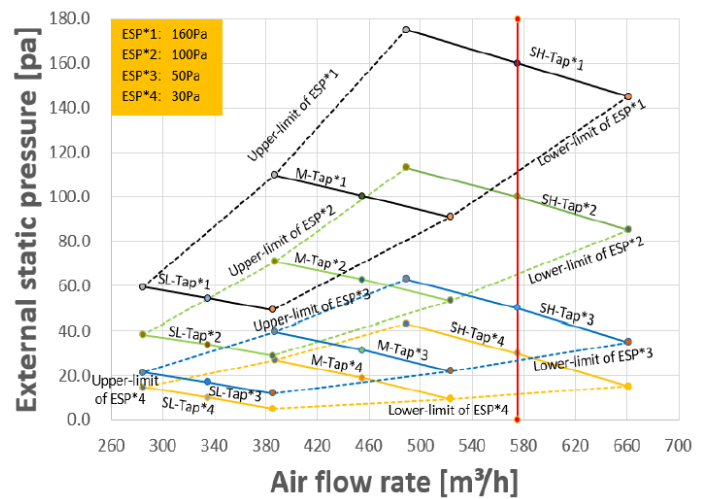
CNT2-3-XY D22



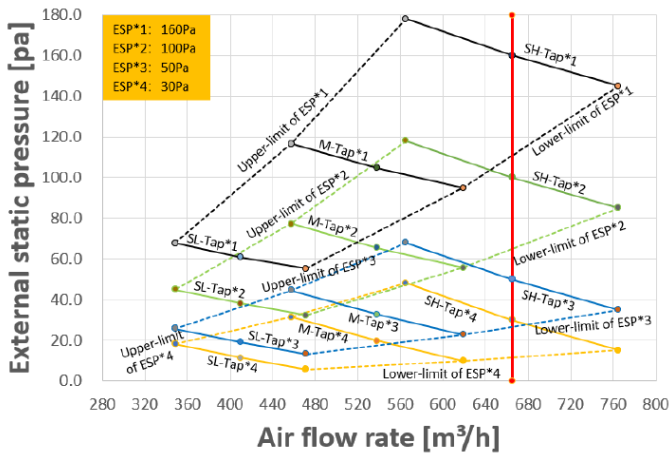
CNT2-3-XY D28



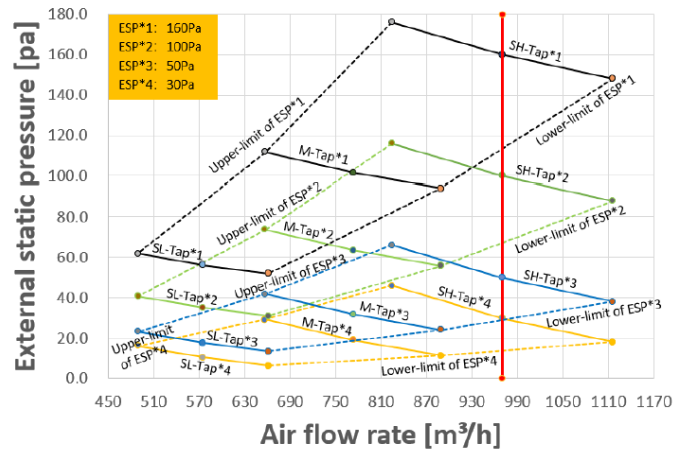
CNT2-3-XY D36



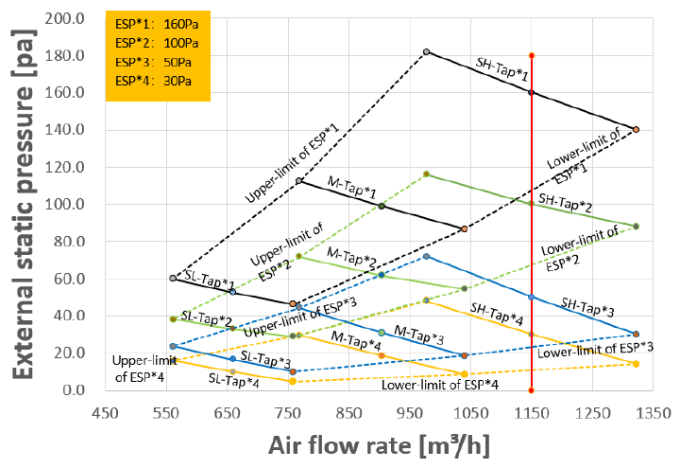
CNT2-3-XY D45



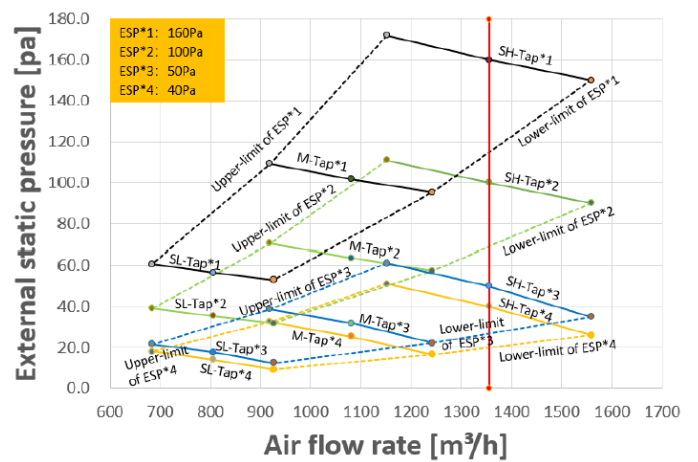
CNT2-3-XY D56



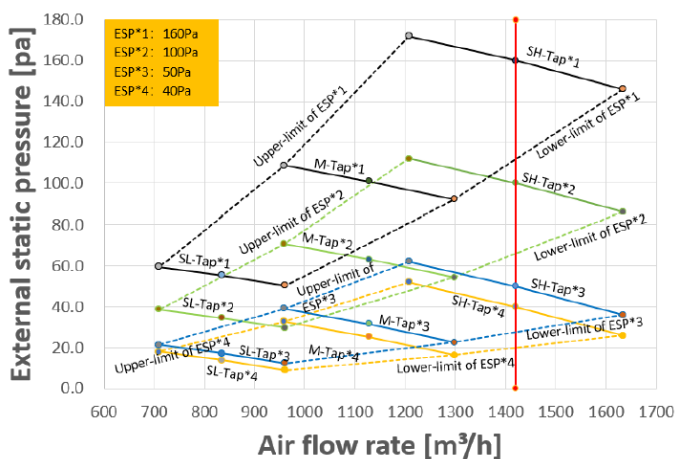
CNT2-3-XY D71



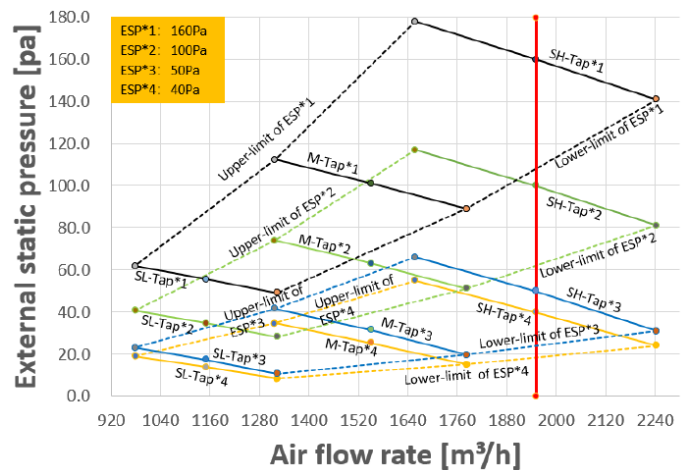
CNT2-3-XY D80



CNT2-3-XY D90

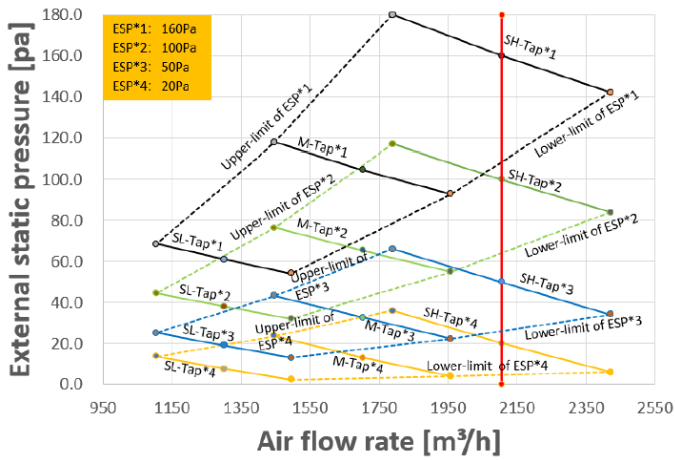


CNT2-3-XY D112

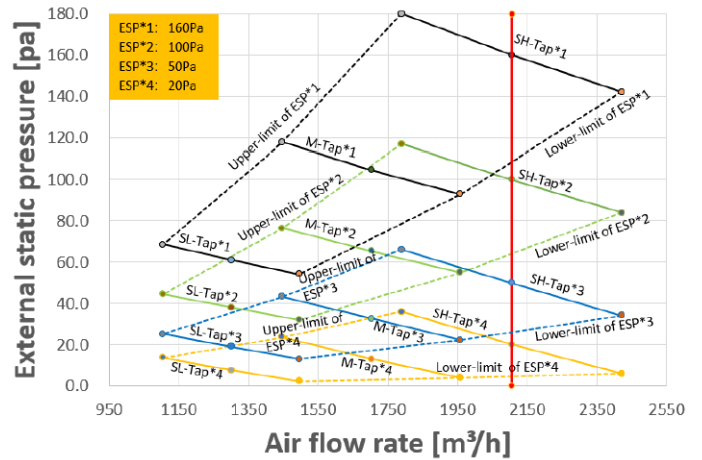


# Fan performance

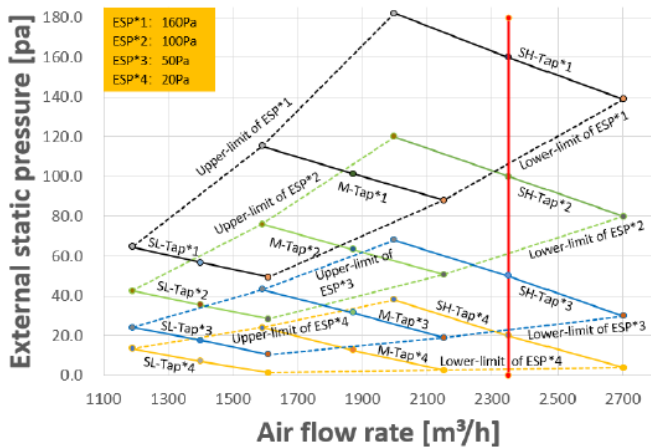
CNT2-3-XY D125



CNT2-3-XY D140



CNT2-3-XY D160



## How to Read the Diagram (Constant Speed mode)

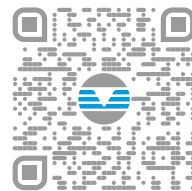
The vertical axis is the External Static Pressure (Pa) while the horizontal axis represents the Air Flow ( $m^3/h$ ).

The characteristic curve for the “SH”, “M” and “SL” fan speed control.

The Air Flow decreases with the increase of the external static pressure.

For CNT2-3-XY D140, in “SH” windshield and “50Pa” setting static pressure, when the external static pressure is 50Pa, the air flow is 2105  $m^3/h$ , and the allowable external static pressure range is 34 to 66.

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