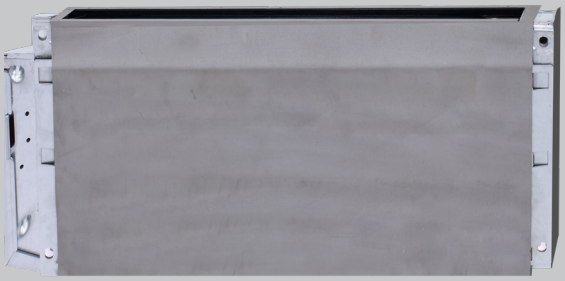
Floor Standing

Direct expansion indoor unit for VRF

DZGF3B-3-XY D22 - D80
DZDF4-3-XY D22 - D80
DZDF5-3-XY D22 - D80

TECHNICAL BULLETTIN



R-410A R-32 EEV

SIZE	D22	D28	D36	D45	D56	D71	D80
COOLING CAPACITY kW	2.2	2.8	3.6	4.5	5.6	7.1	8.0
HEATING CAPACITY kW	2.4	3.2	4.0	5.0	6.3	8.0	9.0

General technical data

MODEL			DZDF4-3-XY D22 DZDF5-3-XY D22	DZDF4-3-XY D28 DZDF5-3-XY D28	DZDF4-3-XY D36 DZDF5-3-XY D36	DZDF4-3-XY D45 DZDF5-3-XY D45
Power supply			1 phase, 220-240V, 50Hz			
Cooling[1]	Capacity	kW	2.2	2.8	3.6	4.5
		kBtu/h	7.5	9.6	12.3	15.4
	Power input	W	35	35	40	44
Heating[2]	Capacity	kW	2.4	3.2	4	5
		kBtu/h	8.2	10.9	13.7	17.1
	Power input	W	35	35	41	46
External static pressure		Pa(F4)	0-10			
		Pa(F5)	0-10			
Fan motor	Type		DC			
	Number		1			
Indoor coil	Number of rows		2	2	3	3
	Tube pitch × row pitch	mm	22×19.05			
	Fin spacing	mm	1.6			
	Fin type		Hydrophilic aluminum			
	Tube OD and type	mm	Φ8 Inner-groove			
	Dimensions (L×H×W)	mm	580×38.1×176	580×38.1×176	580×57.2×176	800×57.2×176
	Number of circuits		2	2	4	4
Air flow rate[3]		m^3/h (F4)	507/490/482/466/449/450/435		532/512/501/483/466/435/414	689/663/639/608/575/560/526
		m^3/h (F5)	498/486/475/464/453/441/430		508/491/474/458/441/424/407	692/665/637/610/582/555/528
Sound pressure level[4]		dB(A) (F4)	36/35/34.5/34/33/32.5/32		38/37/36/35/34/33/32	43/42/41/40/39/38/37
		dB(A) (F5)	32.5/32/31.5/31/30.5/30/29		35/34/33/32/31/30/29	38/37/36/35/34/32.5/31.5
Sound power level		dB(A) (F4)	52/51/51/50/50/49/49		52/52/51/50/49/48/47	55/54/54/53/52/51/51
		dB(A) (F5)	51/50/49/49/48/48/48		51/50/49/48/47/47/46	53/53/52/51/50/49/48
Unit	Net dimensions[5] (W×H×D)	mm (F4)	1020×495×200			1240×495×200
		mm (F5)	1020×495×200			1240×495×200
	Packed dimensions (W×H×D)	mm (F4)	1125×595×285			1345×595×285
		mm (F5)	1125×595×285			1345×595×285
	Net/Gross weight	kg (F4)	21.1/27.9		21.9/28.6	26.3/32.9
		kg (F5)	21.1/26.8		21.9/27.6	26.3/32.4
Refrigerant type			R410A/R32			
Throttle			4.4/2.6			
Refrigerant piping	Liquid/Gas side	mm	Φ6.35/Φ12.7			
Drain piping		mm	OD Φ18.5			

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5 m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5 m with zero level difference.
3. Fan motor speed and air flow rate are from the highest to the lowest, total 7 rates for each model.
4. Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured at 1 m in front of the unit and at a height of 1.5 m in a anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

General technical data

MODEL			DZDF4-3-XY D56 DZDF5-3-XY D56	DZDF4-3-XY D71 DZDF5-3-XY D71	DZDF4-3-XY D80 DZDF5-3-XY D80
Power supply			1 phase, 220-240V, 50Hz		
Cooling[1]	Capacity	kW	5.6	7.1	8.0
		kBtu/h	19.1	24.2	27.3
	Power input	W	45	53	62
Heating[2]	Capacity	kW	6.3	8.0	9.0
		kBtu/h	21.5	27.3	30.7
	Power input	W	47	57	64
External static pressure		Pa(F4)	0~10		
		Pa(F5)	0~10		
Fan motor	Type		DC		
	Number		1		
Indoor coil	Number of rows		2	3	3
	Tube pitch × row pitch	mm	22×19.05		
	Fin spacing	mm	1.6		
	Fin type		Hydrophilic aluminum		
	Tube OD and type	mm	Φ8 Inner-groove		
	Dimensions (L×H×W)	mm	920×38.1×264	920×57.2×264	920×57.2×264
	Number of circuits		3	5	5
Air flow rate[3]		m^3/h (F4)	934/904/888/860/821/786/764	1054/1011/992/955/924/889/841	
		m^3/h (F5)	811/785/759/732/706/680/653	930/895/860/825/790/755/721	
Sound pressure level[4]		dB(A) (F4)	41.5/41/40/39/38/37/36	46/45.5/45/44/43/42/41	
		dB(A) (F5)	35/34.5/34/33/32.5/32/31	39.5/39/38/37/36/35/34	
Sound power level		dB(A) (F4)	53/52/52/52/51/51/50	57/56/55/54/53/53/52	
		dB(A) (F5)	51/50/50/50/49/49/48	54/53/52/51/50/50/49	
Unit	Net dimensions[5] (W×H×D)	mm (F4)	1360×591×200		
		mm (F5)	1360×591×200		
	Packed dimensions (W×H×D)	mm (F4)	1465×695×285		
		mm (F5)	1465×695×285		
	Net/Gross weight	kg (F4)	32.1/41.0	33.3/41.1	33.3/42.1
		kg (F5)	32.1/39.4	33.3/41.1	33.3/41.1
Refrigerant type			R410A/R32		
Throttle			4.4/2.6		
Refrigerant piping	Liquid/Gas side	mm	Φ6.35/Φ12.7	Φ9.52/Φ15.9	
Drain piping		mm	OD Φ18.5		

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5 m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5 m with zero level difference.
3. Fan motor speed and air flow rate are from the highest to the lowest, total 7 rates for each model.
4. Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured at 1 m in front of the unit and at a height of 1.5 m in a anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

General technical data

MODEL			DZGF3B-3-XY D22	DZGF3B-3-XY D28	DZGF3B-3-XY D36	DZGF3B-3-XY D45
Power supply			1 phase, 220-240V, 50Hz			
Cooling[1]	Capacity	kW	2.2	2.8	3.6	4.5
		kBtu/h	7.5	9.6	12.3	15.4
	Power input	W	35	35	40	44
Heating[2]	Capacity	kW	2.4	3.2	4.0	5.0
		kBtu/h	8.2	10.9	13.6	17.1
	Power input	W	35	35	41	46
External static pressure		Pa(F3)	0-60			
Fan motor	Type		DC			
	Number		1			
Indoor coil	Number of rows		2	2	3	3
	Tube pitch × row pitch	mm	22×19.05			
	Fin spacing	mm	1.6			
	Fin type		Hydrophilic aluminum			
	Tube OD and type	mm	Φ8 Inner-groove			
	Dimensions (L×H×W)	mm	580×38.1×176	580×38.1×176	580×57.2×176	800×57.2×176
	Number of circuits		2	2	4	4
Air flow rate[3]		m^3/h	473/464/454/449/439/431/426		524/503/488/471/450/427/408	636/611/584/557/533/507/483
Sound pressure level[4]		dB(A)	34.5/34/33.5/32.5/32/31/30.5		36.5/35.5/34.5/34/33/32/31	37/36/35/34/33/32/30
Sound power level		dB(A)	49/48/48/47/47/46/46		51/50/49/48/47/46/46	52/51/50/49/48/47/46
Unit	Net dimensions[5] (W×H×D)	mm	915×470×200			1133×470×200
	Packed dimensions (W×H×D)	mm	985×555×255			1205×555×255
	Net/Gross weight	kg	16.3/20.0		16.9/20.7	20.0/24.4
Refrigerant type			R410A/R32			
Throttle			4.4/2.6			
Refrigerant piping	Liquid/Gas side	mm	Φ6.35/Φ12.7			
Drain piping		mm	OD Φ18.5			

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5 m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5 m with zero level difference.
3. Fan motor speed and air flow rate are from the highest to the lowest, total 7 rates for each model.
4. Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.5 m below the unit in a anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

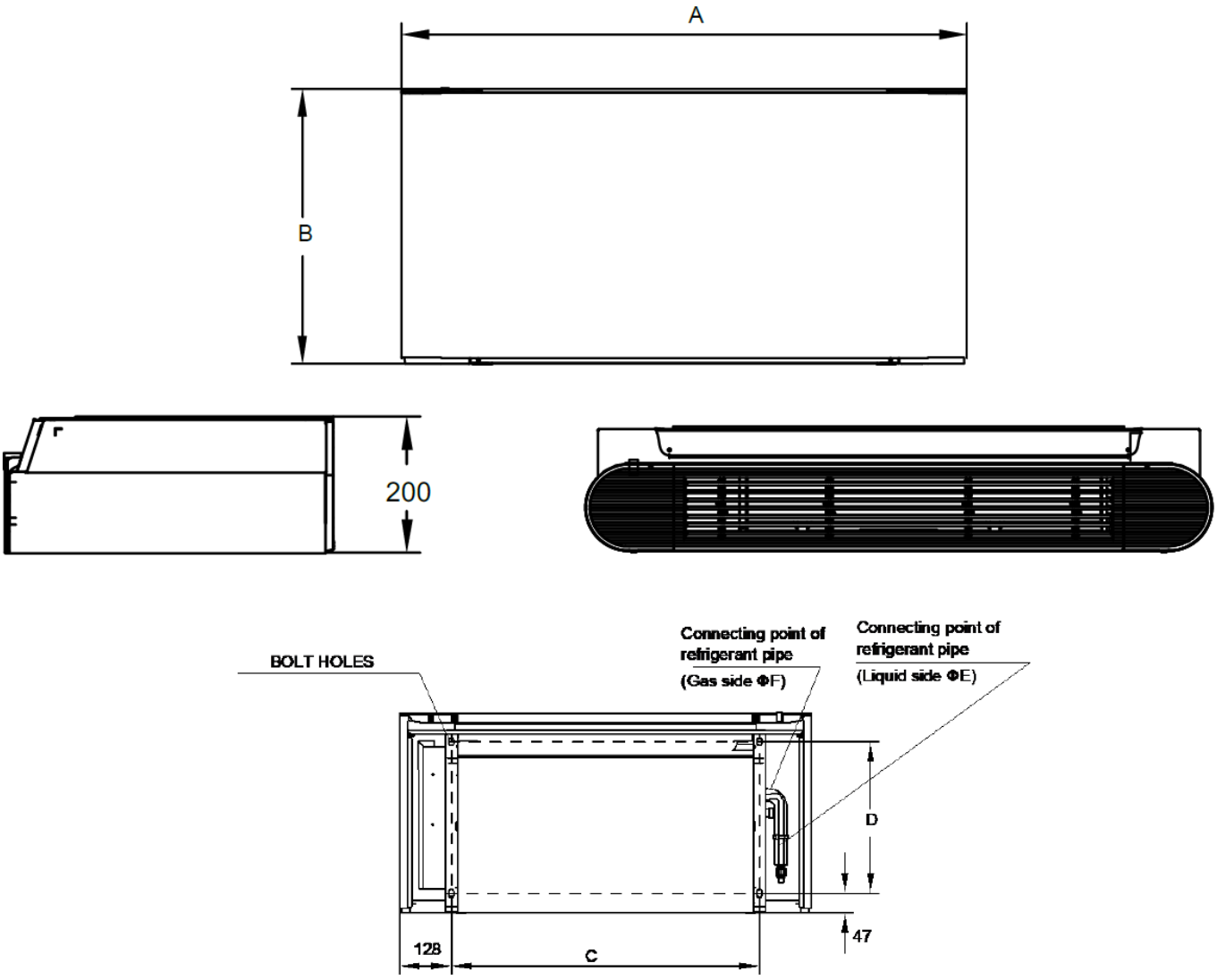
General technical data

MODEL			DZGF3B-3-XY D56	DZGF3B-3-XY D71	DZGF3B-3-XY D80
Power supply			1 phase, 220-240V, 50Hz		
Cooling[1]	Capacity	kW	5.6	7.1	8.0
		kBtu/h	19.1	24.2	27.3
	Power input	W	45	53	62
Heating[2]	Capacity	kW	6.3	8.0	9.0
		kBtu/h	21.5	27.3	30.7
	Power input	W	47	57	64
External static pressure		Pa(F3)	0-60		
Fan motor	Type		DC		
	Number		1		
Indoor coil	Number of rows		2	3	3
	Tube pitch × row pitch	mm	22×19.05		
	Fin spacing	mm	1.6		
	Fin type		Hydrophilic aluminum		
	Tube OD and type	mm	Φ8 Inner-groove		
	Dimensions (L×H×W)	mm	920×38.1×264	920×57.2×264	920×57.2×264
	Number of circuits		3	5	5
Air flow rate[3]		m^3/h	781/756/738/717/683/651/624	928/893//865/834/803/770/739	
Sound pressure level[4]		dB(A)	36.5/36/35/34/33.5/32.5/31.5	40.5/39.5/38.5/37.5/36.5/36/34.5	
Sound power level		dB(A)	51/51/50/49/48/48/47	55/54/53/52/52/51/50	
Unit	Net dimensions[5] (W×H×D)	mm	1253×566×200		
	Packed dimensions (W×H×D)	mm	1325×650×255		
	Net/Gross weight	kg	24.3/30.0	26.1/31.8	
Refrigerant type			R410A/R32		
Throttle			4.4/2.6		
Refrigerant piping	Liquid/Gas side	mm	Φ6.35/Φ12.7	Φ9.52/Φ15.9	
Drain piping		mm	OD Φ18.5		

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5 m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5 m with zero level difference.
3. Fan motor speed and air flow rate are from the highest to the lowest, total 7 rates for each model.
4. Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.5 m below the unit in a anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Model F4/F5 (unit: mm)

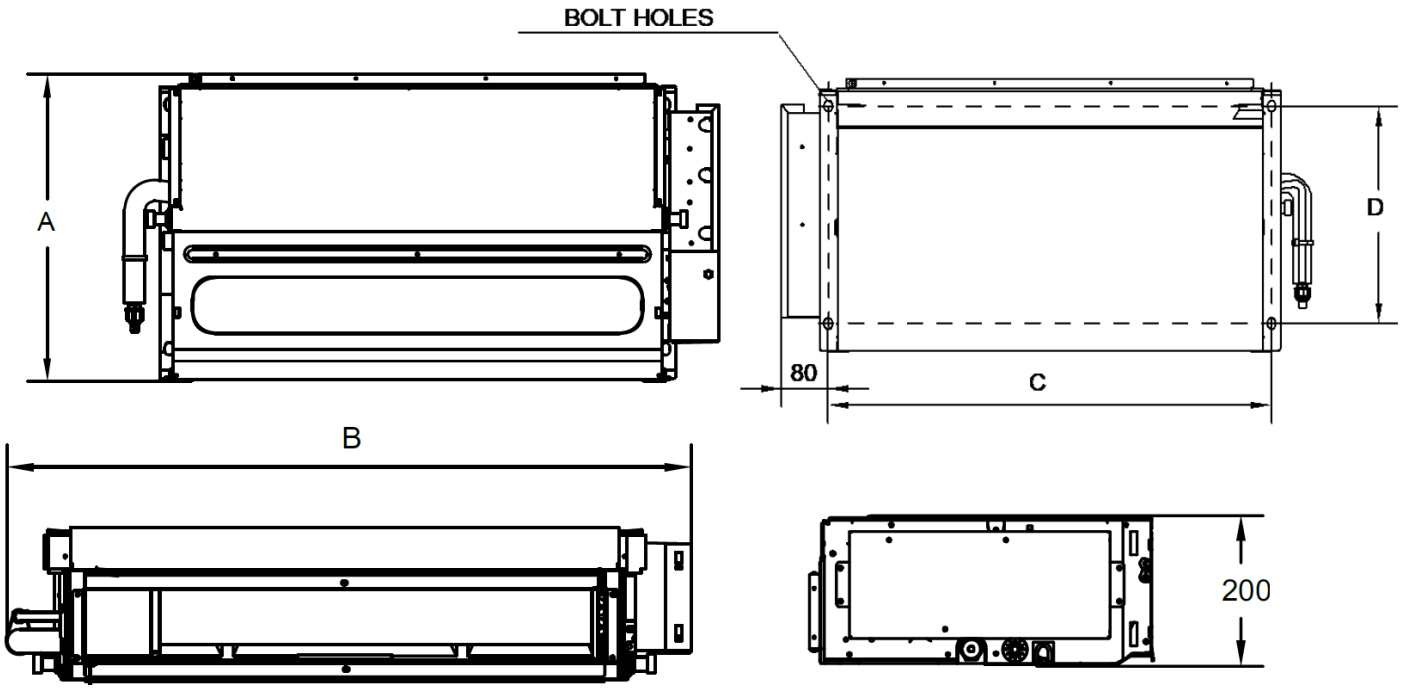


MODEL	DIMENSIONS (mm)			
	A	B	C	D
DZDF4-3-XY D22	1020	495	764	375
DZDF5-3-XY D22				
DZDF4-3-XY D28				
DZDF5-3-XY D28				
DZDF4-3-XY D36				
DZDF5-3-XY D36				
DZDF4-3-XY D45	1240	495	984	375
DZDF5-3-XY D45				
DZDF4-3-XY D56	1360	591	1104	391
DZDF5-3-XY D56				
DZDF4-3-XY D71				
DZDF5-3-XY D71				
DZDF4-3-XY D80				
DZDF5-3-XY D80				

MODEL	E(mm)	F(mm)
DZDF4-3-XY D22	6.35	12.7
DZDF5-3-XY D22		
DZDF4-3-XY D28		
DZDF5-3-XY D28		
DZDF4-3-XY D36		
DZDF5-3-XY D36		
DZDF4-3-XY D45		
DZDF5-3-XY D45		
DZDF4-3-XY D56		
DZDF5-3-XY D56		
DZDF4-3-XY D71	9.52	15.9
DZDF5-3-XY D71		
DZDF4-3-XY D80		
DZDF5-3-XY D80		

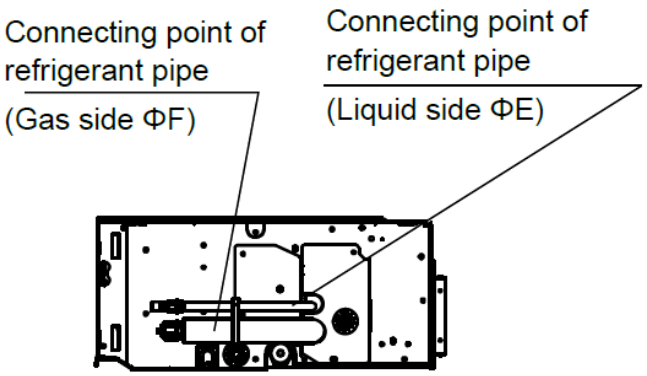
Dimensions

Model F3 (unit: mm)



MODEL	DIMENSIONS (mm)			
	A	B	C	D
DZGF3B-3-XY D22				
DZGF3B-3-XY D28	470	915	764	375
DZGF3B-3-XY D36				
DZGF3B-3-XY D45	470	1133	984	375
DZGF3B-3-XY D56				
DZGF3B-3-XY D71	566	1253	1104	391
DZGF3B-3-XY D80				

F3 series Concealed Floor Standing piping connections



MODEL	DIMENSIONS (mm)	
	E(mm)	F(mm)
DZGF3B-3-XY D22		
DZGF3B-3-XY D28		
DZGF3B-3-XY D36	6.35	12.7
DZGF3B-3-XY D45		
DZGF3B-3-XY D56		
DZGF3B-3-XY D71	9.52	15.9
DZGF3B-3-XY D80		

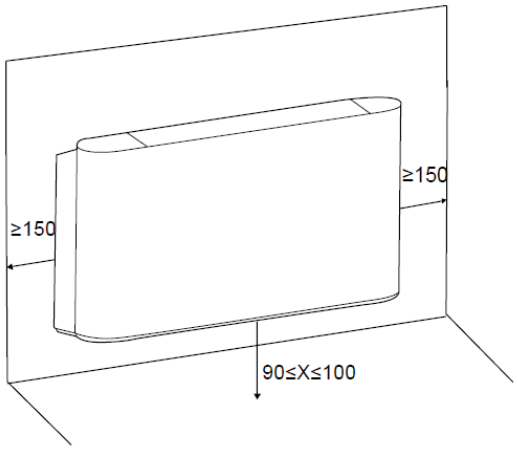
Placement Considerations

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

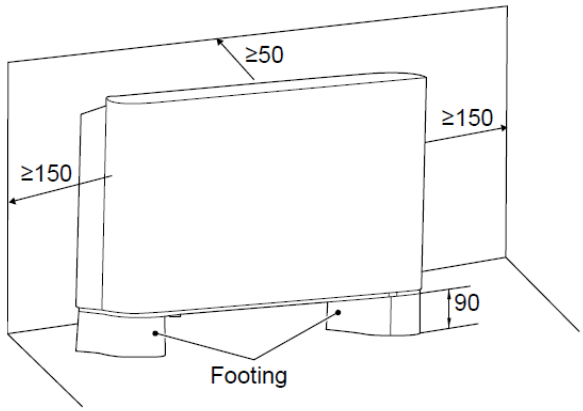
F4 series (air inlet from front) Exposed Floor Standing space requirements (unit: mm)



1. Vertical unit with casing, with air intake from front and air outlet on top, for installation on a wall or on feet on the floor.
2. Additionally, it is required to keep 50mm between the rear and wall; 600mm between the front face and the obstacle. 1700mm vertical distance between the top of unit (outlet) and the upper obstacle.

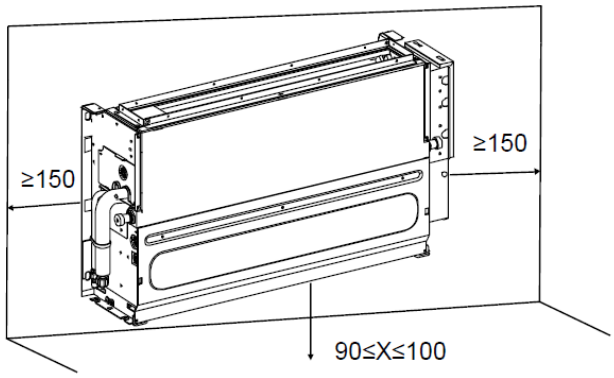
Unit Placement

F5 series (air inlet from bottom) Exposed Floor Standing space requirements (unit: mm)



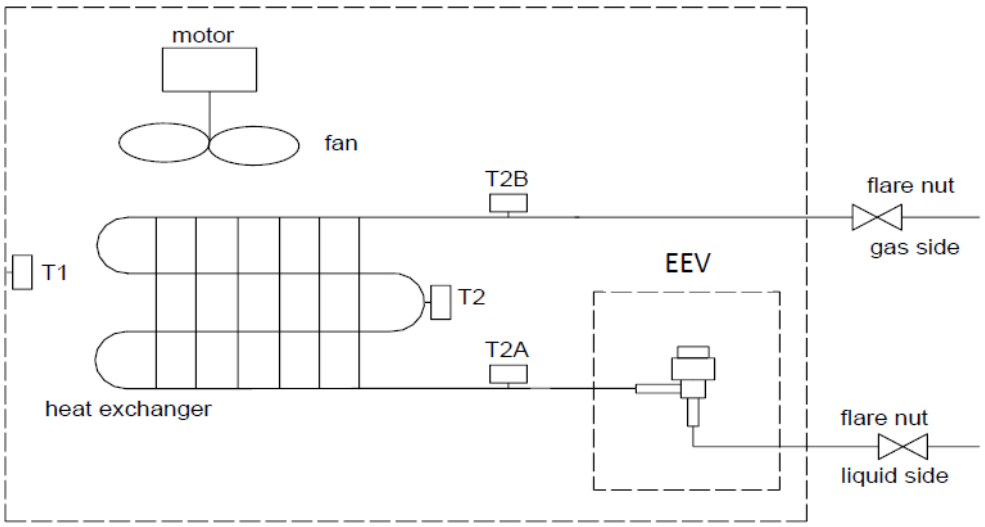
Notes:
1. Vertical unit with casing, with air intake from below and air outlet on top, for installation on a wall or on feet on the flo or.
2. Additionally, it is required to keep 50mm between the rear and wall; 600mm between the front face and the obstacle. 1700mm vertical distance between the top of unit (outlet) and the upper obstacle.
3. The footings are optional. You can purchase them separately.

F3 series Concealed Floor Standing space requirements (unit: mm)



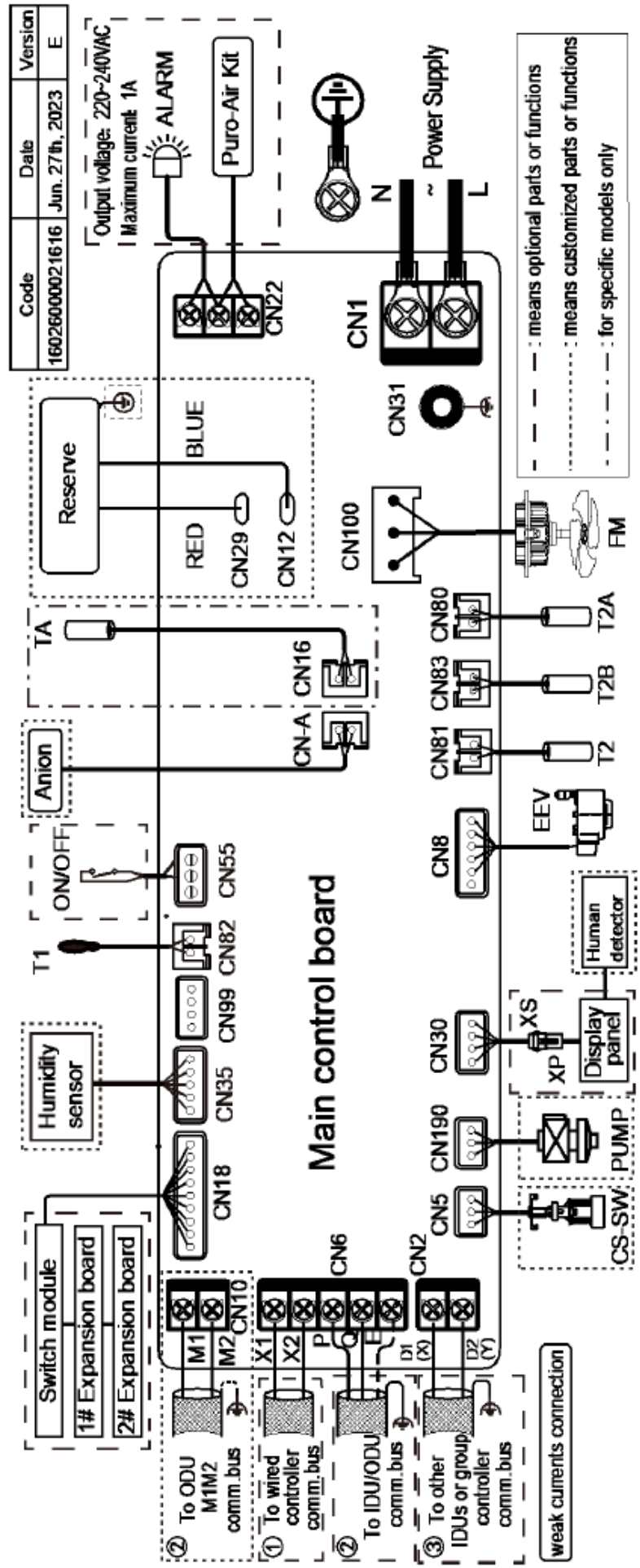
Notes:
1. Vertical unit for building-in, with air intake from below and air outlet on top, for installation on a wall.
2. Additionally, it is required to keep 20mm between the rear and wall; 600mm between the front face and the obstacle. 1700mm vertical distance between the top of unit (outlet) and the upper obstacle.

Floor Standing piping diagram



T1	Inlet Air Temp. Sensor
T2A	Liquid Pipe Temp. Sensor
T2	Middle Pipe Temp. Sensor
T2B	Gas Pipe Temp. Sensor
EEV	Electronic Expansion Valve
FAN	DC Fan Motor

Wiring Diagram



Code	Description
ALARM	Alarm Output
Anion	Ionic Sterilization Module
CS-SW	Water Level Switch
EEV	Electronic Expansion Valve
FM	DC Fan Motor
T0	Outdoor Air Temp. Sensor*
T1	Inlet Air Temp. Sensor
T2	Middle Pipe Temp. Sensor
T2A	Liquid Pipe Temp. Sensor
T2B	Gas Pipe Temp. Sensor
TA	Discharge Air Temp. Sensor*
ON/OFF	Remote ON/OFF
XS/XP	Connectors

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

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.

Capacity Tables

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
DZGF3B-3-XY D22														
DZDF4-3-XY D22	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
DZDF5-3-XY D22														
DZGF3B-3-XY D28														
DZDF4-3-XY D28	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
DZDF5-3-XY D28														
DZGF3B-3-XY D36														
DZDF4-3-XY D36	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
DZDF5-3-XY D36														
DZGF3B-3-XY D45														
DZDF4-3-XY D45	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
DZDF5-3-XY D45														
DZGF3B-3-XY D56														
DZDF4-3-XY D56	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
DZDF5-3-XY D56														
DZGF3B-3-XY D71														
DZDF4-3-XY D71	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
DZDF5-3-XY D71														
DZGF3B-3-XY D80														
DZDF4-3-XY D80	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
DZDF5-3-XY D80														

Abbreviations:
TC: Total capacity (kW)
SC: Sensible capacity(kW)

Notes:
1.Shaded cells indicate rating condition.

Hesting Capacity Table

MODEL	Indoor air temperature (°C WB/DB)					
	116	18	20	21	22	24
	SHC	SHC	SHC	SHC	SHC	SHC
DZGF3B-3-XY D22						
DZDF4-3-XY D22	2.6	2.6	2.4	2.3	2.3	2.1
DZDF5-3-XY D22						
DZGF3B-3-XY D28						
DZDF4-3-XY D28	3.4	3.4	3.2	3.1	3.0	2.8
DZDF5-3-XY D28						
DZGF3B-3-XY D36						
DZDF4-3-XY D36	4.2	4.2	4.0	3.8	3.8	3.5
DZDF5-3-XY D36						
DZGF3B-3-XY D45						
DZDF4-3-XY D45	5.3	5.3	5.0	4.8	4.7	4.4
DZDF5-3-XY D45						
DZGF3B-3-XY D56						
DZDF4-3-XY D56	6.7	6.6	6.3	6.1	5.9	5.5
DZDF5-3-XY D56						
DZGF3B-3-XY D71						
DZDF4-3-XY D71	8.5	8.4	8.0	7.8	7.5	7.0
DZDF5-3-XY D71						
DZGF3B-3-XY D80						
DZDF4-3-XY D80	9.5	9.5	9.0	8.7	8.5	7.8
DZDF5-3-XY D80						

Abbreviations:
SHC: Sensible heating capacity(kW)
Notes:
1.Shaded cells indicate rating condition

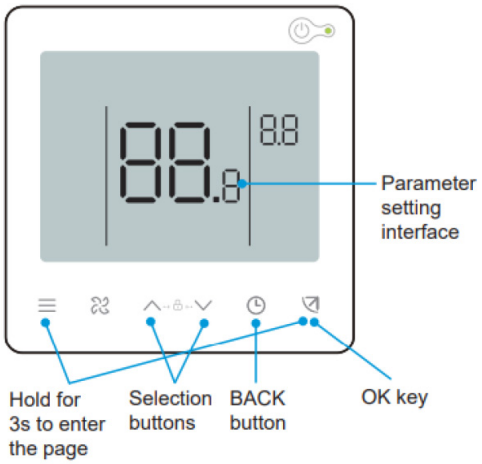
Electrical characteristics

MODEL	Power supply						Indoor fan motors	
	Hz	Volts	Min. volts	Max. volts	MCA	MFA	Rated motor output (kW)	FLA
DZGF3B-3-XY D22								
DZDF4-3-XY D22	50	220-240	198	264	0.3	15	50	0.5
DZDF5-3-XY D22								
DZGF3B-3-XY D28								
DZDF4-3-XY D28	50	220-240	198	264	0.3	15	50	0.5
DZDF5-3-XY D28								
DZGF3B-3-XY D36								
DZDF4-3-XY D36	50	220-240	198	264	0.3	15	50	0.5
DZDF5-3-XY D36								
DZGF3B-3-XY D45								
DZDF4-3-XY D45	50	220-240	198	264	0.3	15	50	0.5
DZDF5-3-XY D45								
DZGF3B-3-XY D56								
DZDF4-3-XY D56	50	220-240	198	264	0.4	15	60	0.6
DZDF5-3-XY D56								
DZGF3B-3-XY D71								
DZDF4-3-XY D71	50	220-240	198	264	0.4	15	60	0.6
DZDF5-3-XY D71								
DZGF3B-3-XY D80								
DZDF4-3-XY D80	50	220-240	198	264	0.4	15	60	0.6
DZDF5-3-XY D80								

Abbreviations:
MCA: Minimum Circuit Amps
MFA: Maximum Fuse Amps
FLA: Full Load Amps

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%.

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 (Concealed)-F3

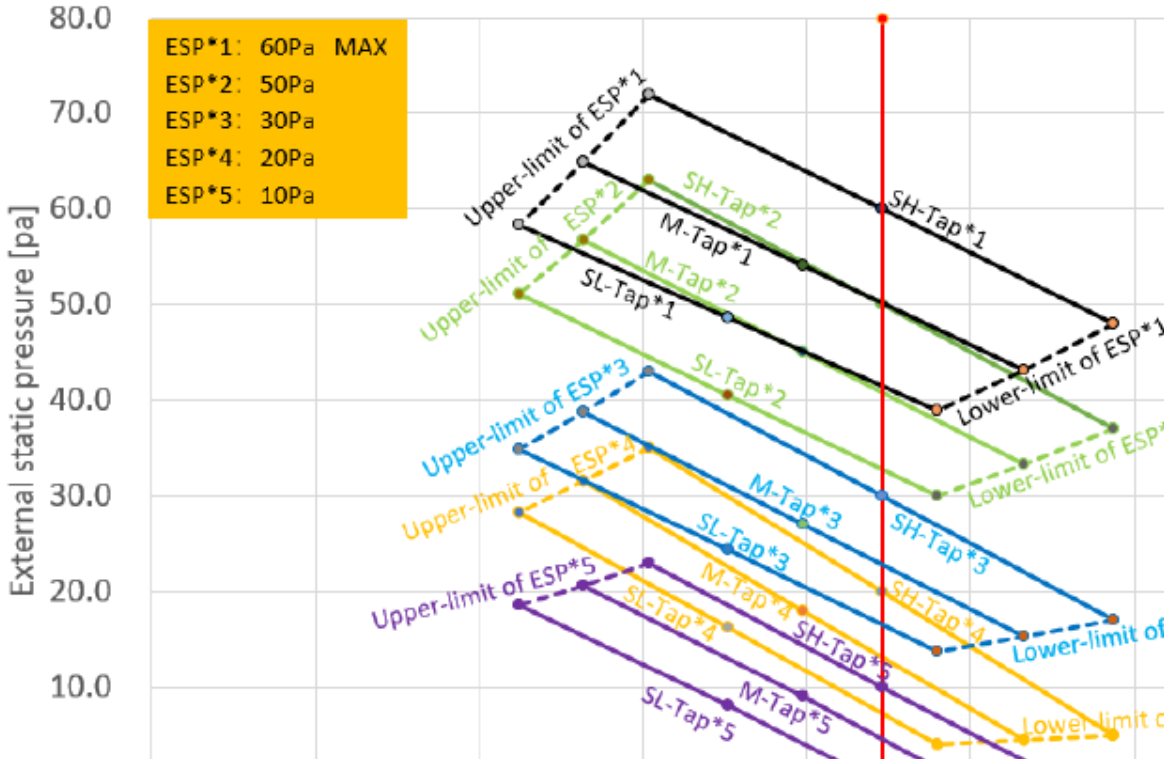
First level menu	Second level menu	Description	Default
N00	02/04/06/07/08/09/10	Static pressure level	02

Level	02	04	06	07	08	09	10
Static pressure (Pa)	0	10	20	30	40	50	60

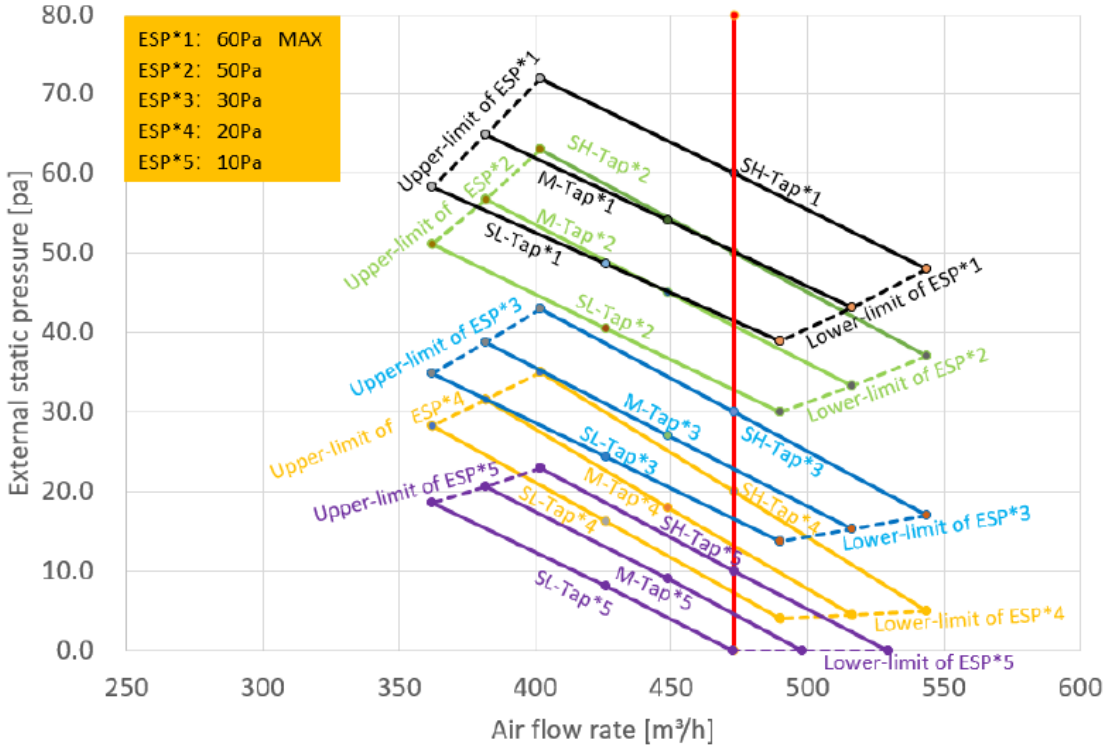
Notes:
1. The above is only an example of 86S wired controller. If you choose other controllers, please refer to their manuals for setting.

Fan performance

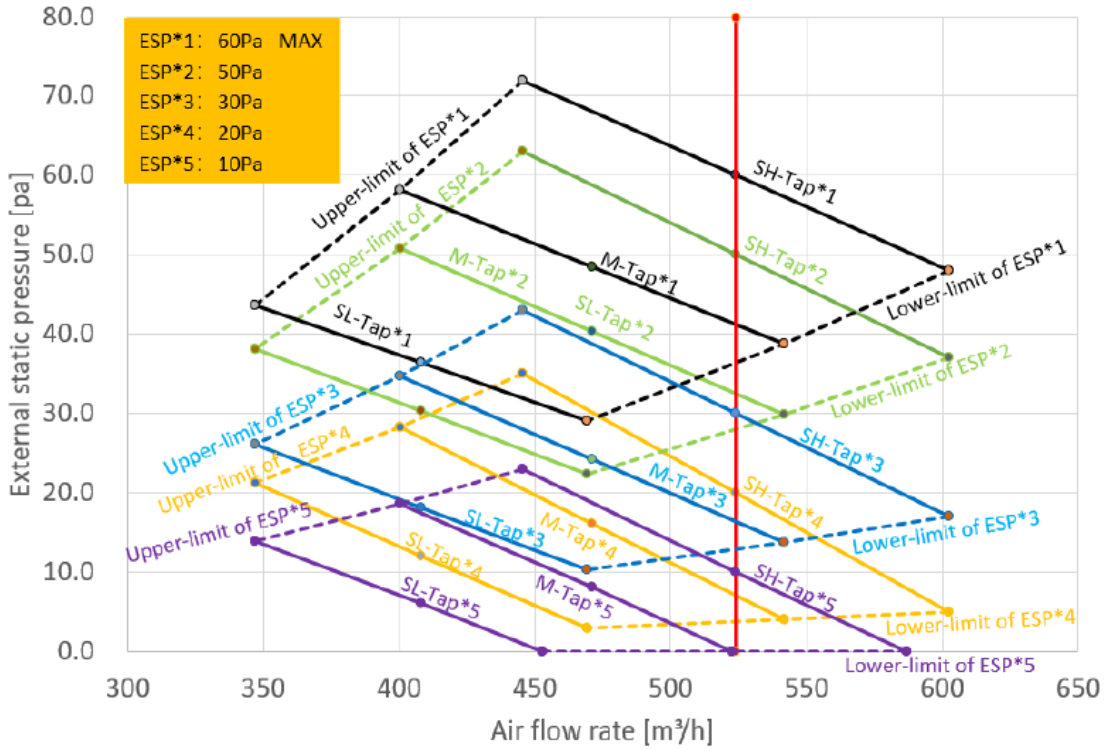
DZGF3B-3-XY D22



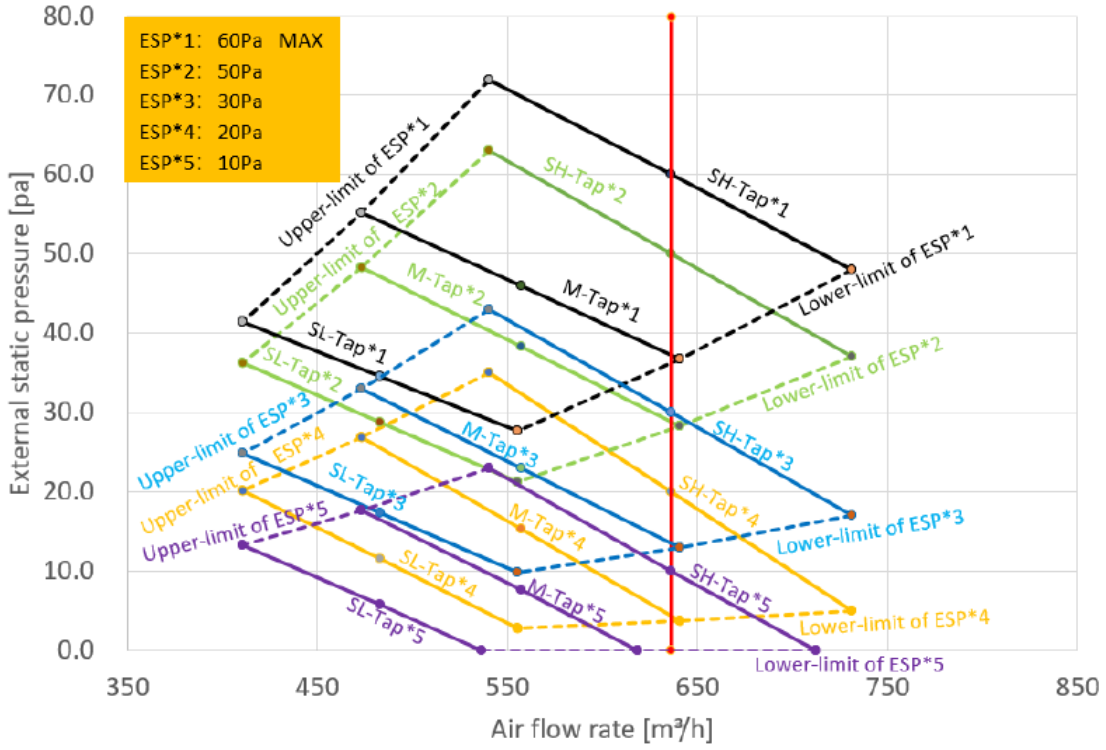
DZGF3B-3-XY D28



DZGF3B-3-XY D36

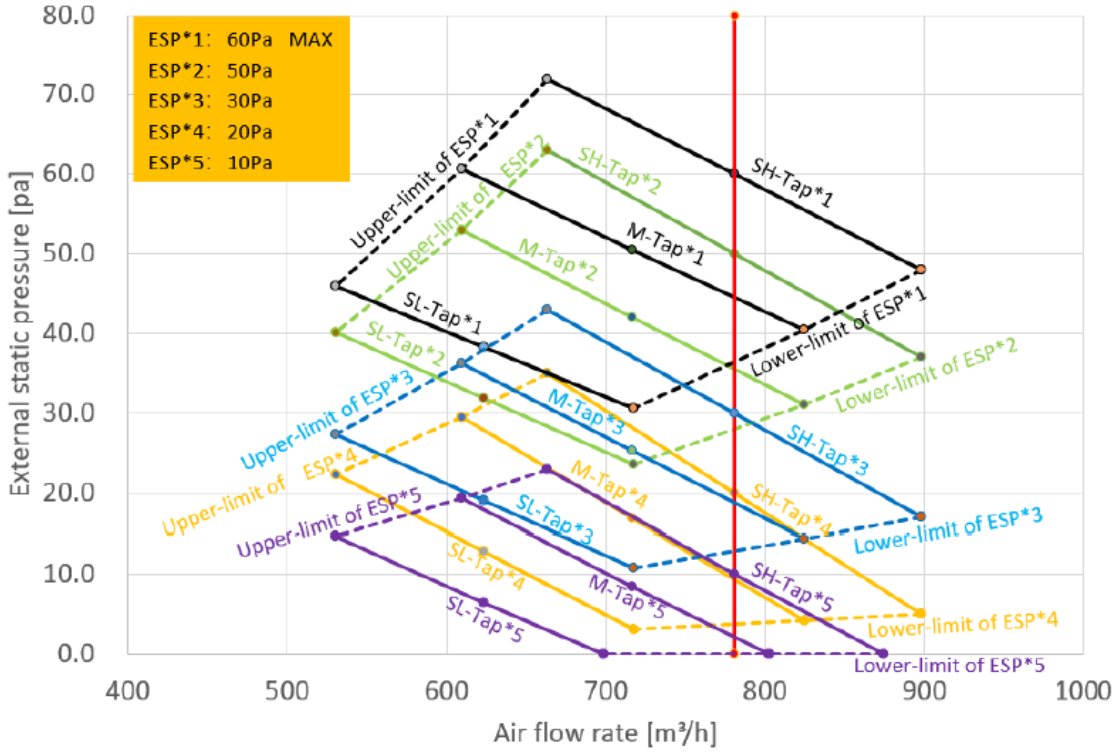


DZGF3B-3-XY D45

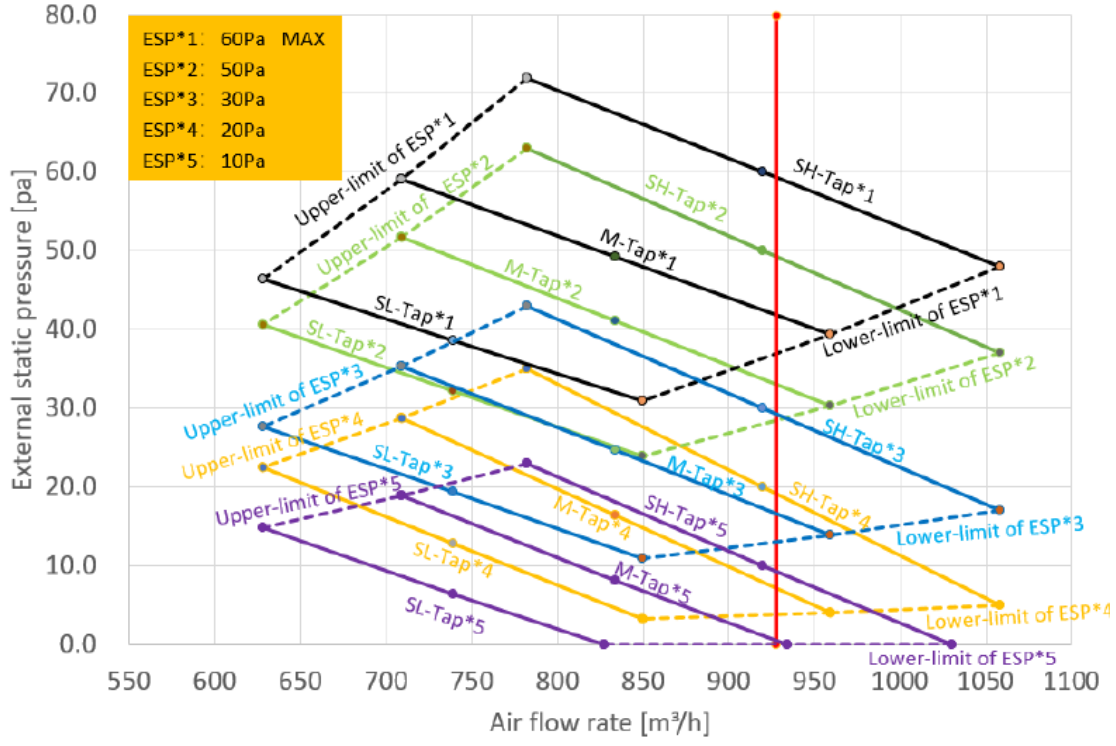


Fan performance

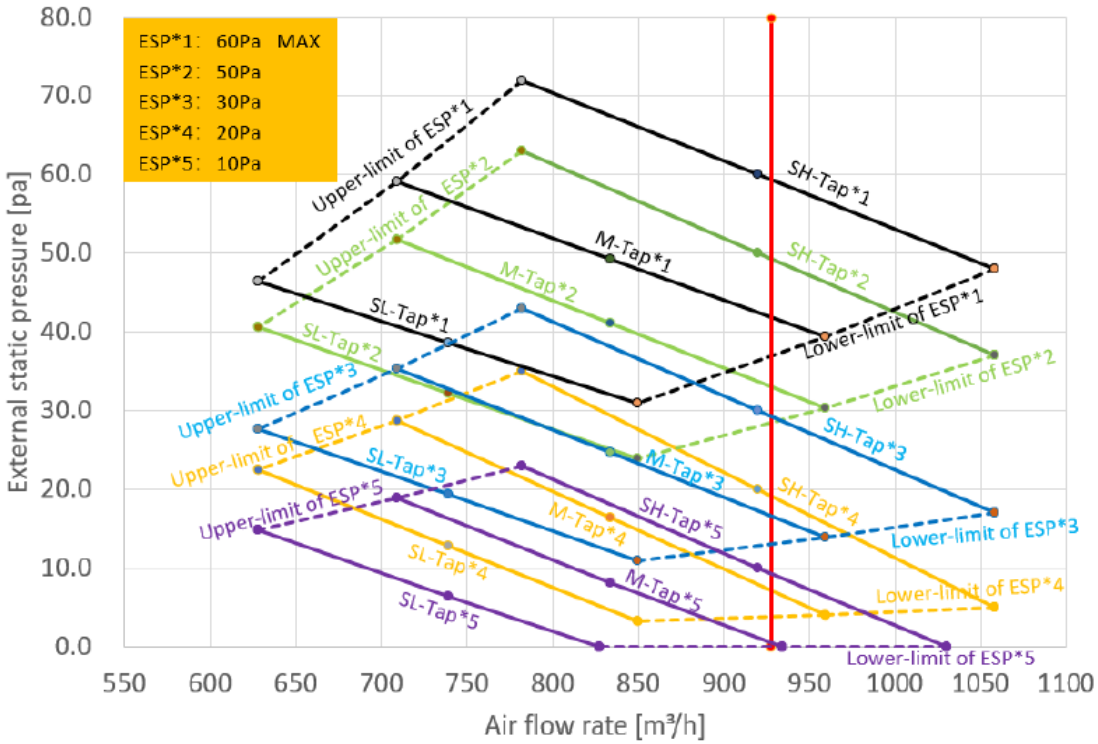
DZGF3B-3-XY D56



DZGF3B-3-XY D71



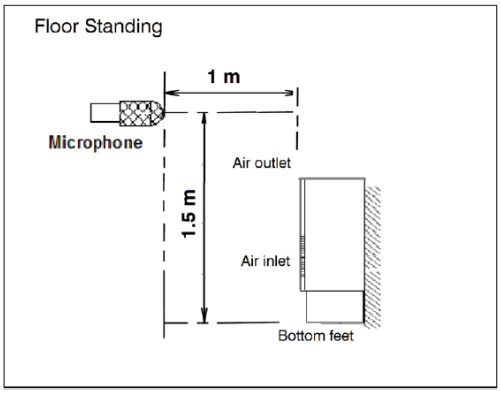
DZGF3B-3-XY D80

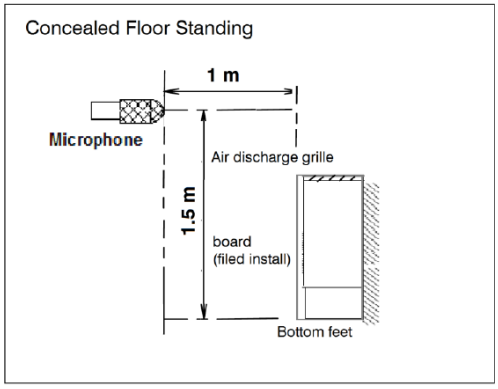


Sound Level

Overall

MODEL	Sound pressure levels dB						
	SSH	SH	H	M	L	SL	SSL
DZGF3B-3-XY D22	34.5	34	33.5	32.5	32	31	30.5
DZDF4-3-XY D22	36	35	34.5	34	33	32.5	32
DZDF5-3-XY D22	32.5	32	31.5	31	30.5	30	29
DZGF3B-3-XY D28	34.5	34	33.5	32.5	32	31	30.5
DZDF4-3-XY D28	36	35	34.5	34	33	32.5	32
DZDF5-3-XY D28	32.5	32	31.5	31	30.5	30	29
DZGF3B-3-XY D36	36.5	35.5	34.5	34	33	32	31
DZDF4-3-XY D36	38	37	36	35	34	33	32
DZDF5-3-XY D36	35	34	33	32	31	30	29
DZGF3B-3-XY D45	37	36	35	34	33	32	30
DZDF4-3-XY D45	43	42	41	40	39	38	37
DZDF5-3-XY D45	38	37	36	35	34	32.5	31.5
DZGF3B-3-XY D56	36.5	36	35	34	33.5	32.5	31.5
DZDF4-3-XY D56	41.5	41	40	39	38	37	36
DZDF5-3-XY D56	35	34.5	34	33	32.5	32	31
DZGF3B-3-XY D71	40.5	39.5	38.5	37.5	36.5	36	34.5
DZDF4-3-XY D71	46	45.5	45	44	43	42	41
DZDF5-3-XY D71	39.5	39	38	37	36	35	34
DZGF3B-3-XY D80	40.5	39.5	38.5	37.5	36.5	36	34.5
DZDF4-3-XY D80	46	45.5	45	44	43	42	41
DZDF5-3-XY D80	39.5	39	38	37	36	35	34

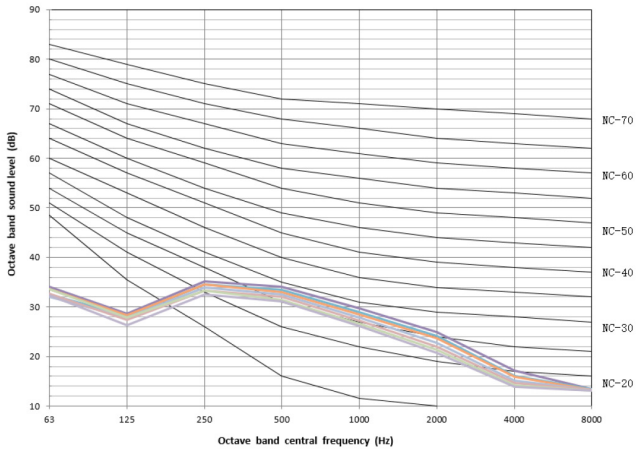




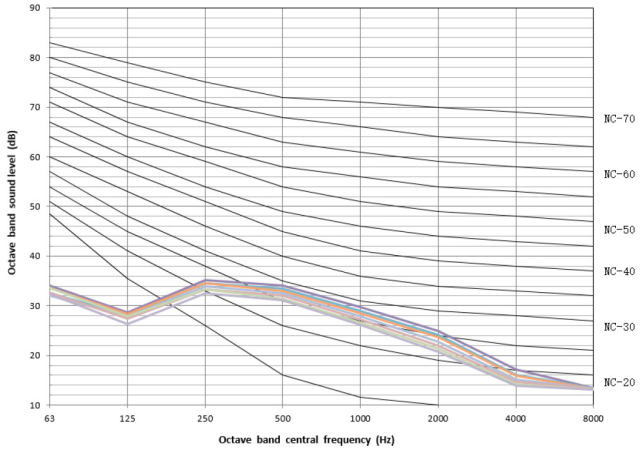
Notes:
1. Sound pressure levels are measured at 1m in front of the unit at a height of 1.5m in a anechoic chamber. During in-situ operation, sound pressure levels may be higher as a result of ambient noise.

Octave Band Levels

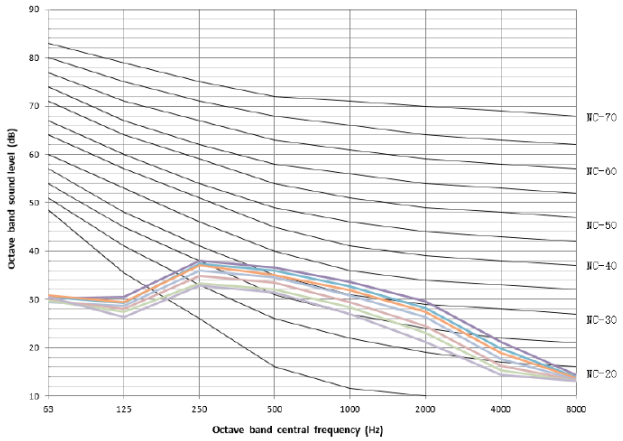
DZGF3B-3-XY D22



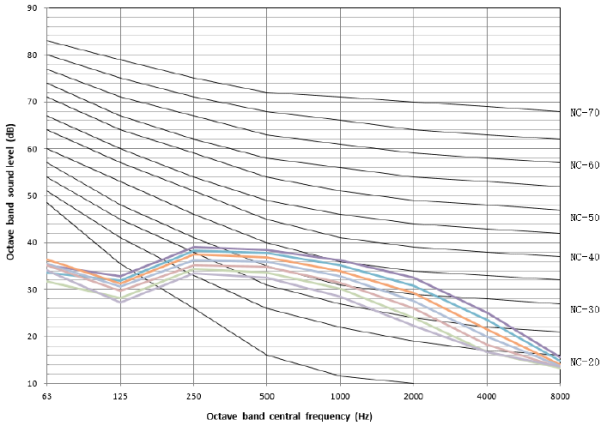
DZGF3B-3-XY D28



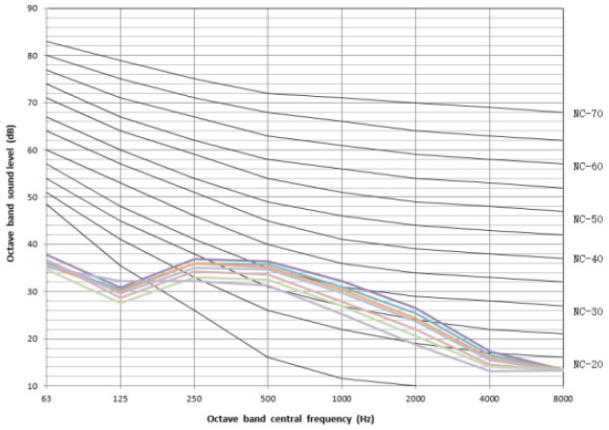
DZGF3B-3-XY D36



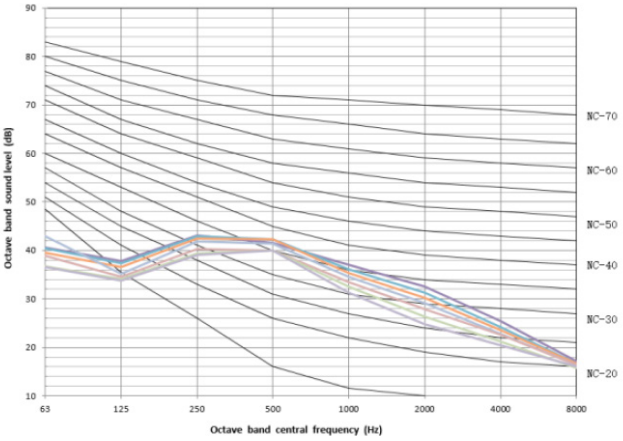
DZGF3B-3-XY D45



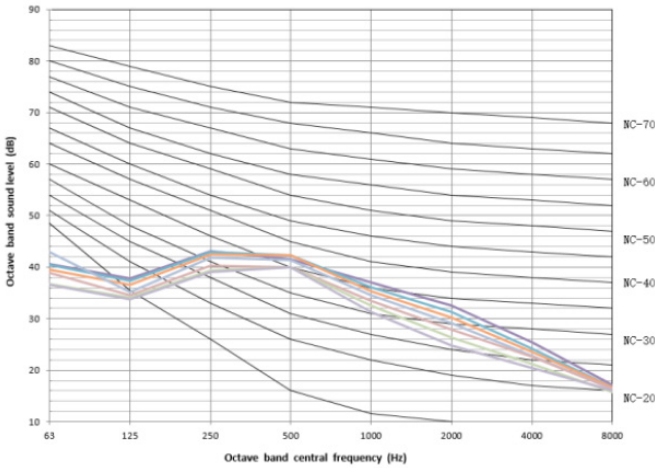
DZGF3B-3-XY D56



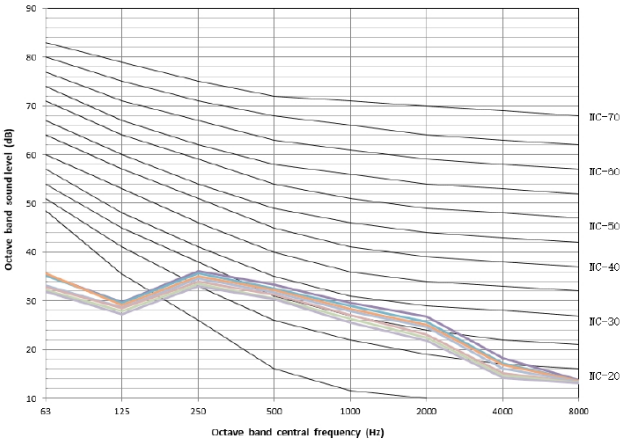
DZGF3B-3-XY D71



DZGF3B-3-XY D80

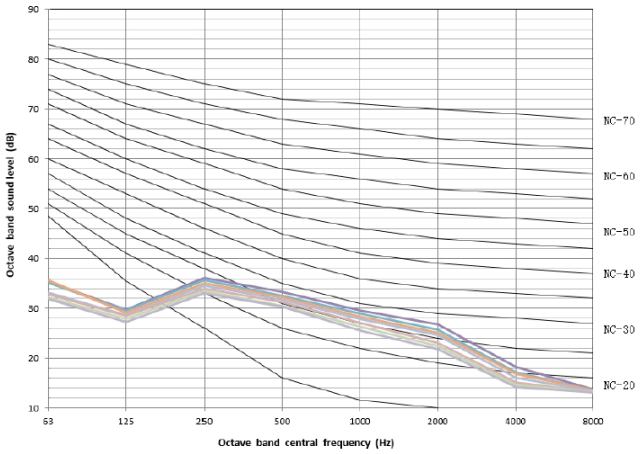


DZDF4-3-XY D22
DZDF5-3-XY D22

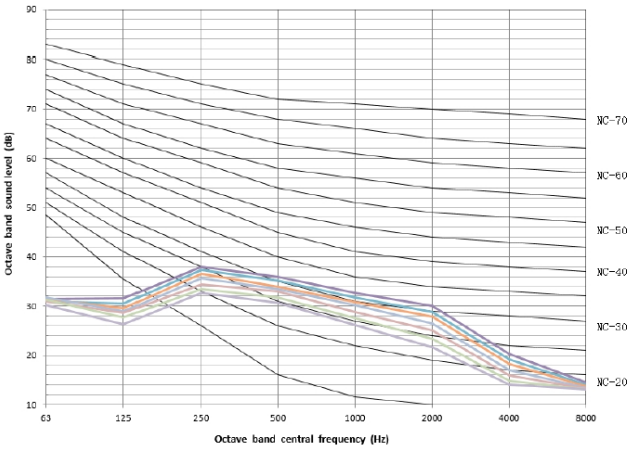


Sound Level

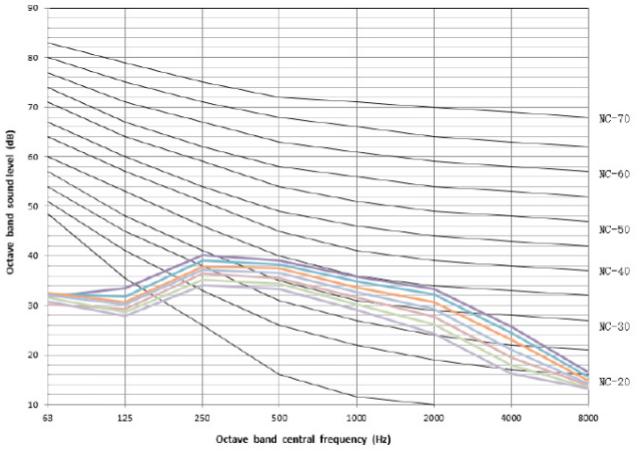
DZDF4-3-XY D28
DZDF5-3-XY D28



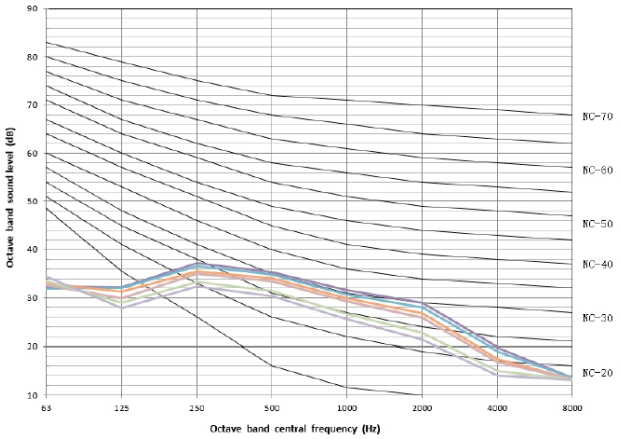
DZDF4-3-XY D36
DZDF5-3-XY D36



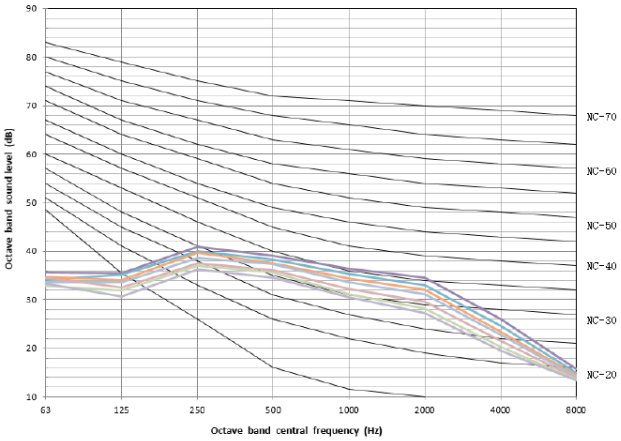
DZDF4-3-XY D45
DZDF5-3-XY D45



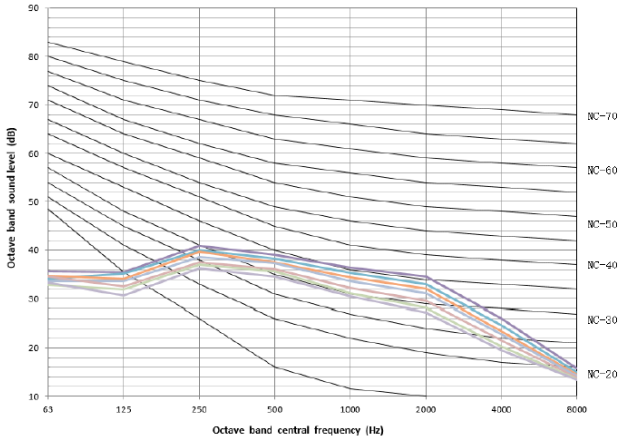
DZDF4-3-XY D56
DZDF5-3-XY D56



DZDF4-3-XY D71
DZDF5-3-XY D71



DZDF4-3-XY D80
DZDF5-3-XY D80



Simulate condition

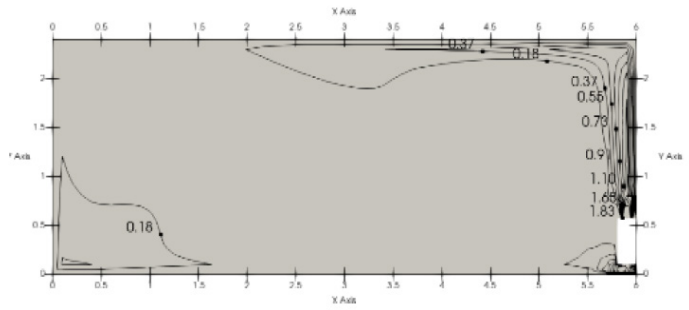
MODEL NAME	Room size (m)	Ceiling height (m)	Flow angle (Cooling/Heating)	Placing
DZGF3B-3-XY D22 DZDF4-3-XY D22 DZDF5-3-XY D22	6*6	2.4	90°/125°	Standing
DZGF3B-3-XY D28 DZDF4-3-XY D28 DZDF5-3-XY D28	6*6	2.4	90°/125°	Standing
DZGF3B-3-XY D36 DZDF4-3-XY D36 DZDF5-3-XY D36	6*6	2.4	90°/125°	Standing
DZGF3B-3-XY D45 DZDF4-3-XY D45 DZDF5-3-XY D45	6*6	2.4	90°/125°	Standing
DZGF3B-3-XY D56 DZDF4-3-XY D56 DZDF5-3-XY D56	6*6	2.4	90°/125°	Standing
DZGF3B-3-XY D71 DZDF4-3-XY D71 DZDF5-3-XY D71	6*6	2.4	90°/125°	Standing
DZGF3B-3-XY D80 DZDF4-3-XY D80 DZDF5-3-XY D80	6*6	2.4	90°/125°	Standing

Note:
1. These figures are based on software simulation. They show typical temperature and airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc..

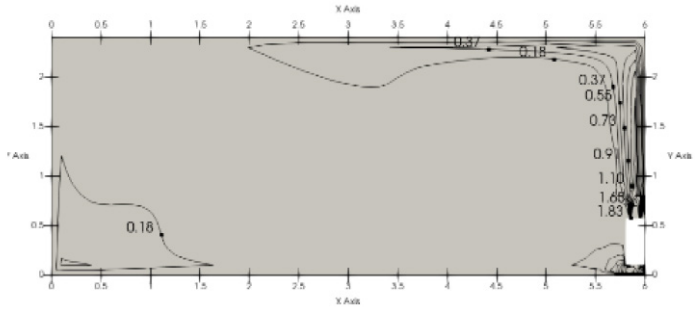
Temperature and Airflow Distributions

Airflow distributions - Cooling (after 300s)

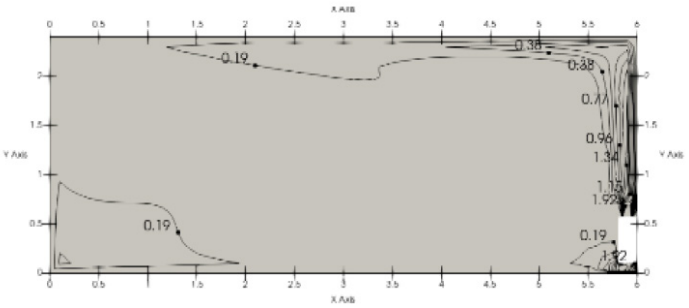
DZGF3B-3-XY D22 / DZDF4-3-XY D22 / DZDF5-3-XY D22



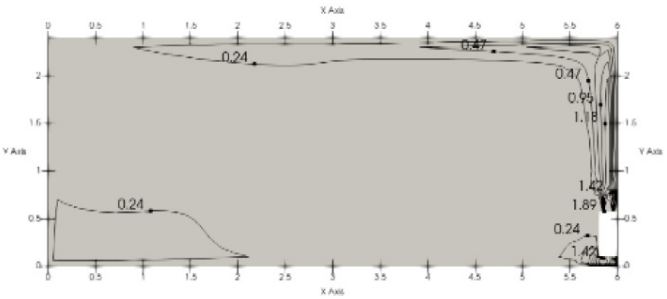
DZGF3B-3-XY D28 / DZDF4-3-XY D28 / DZDF5-3-XY D28



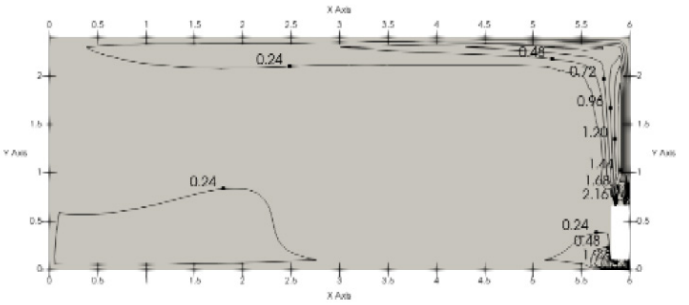
DZGF3B-3-XY D36 / DZDF4-3-XY D36 / DZDF5-3-XY D36



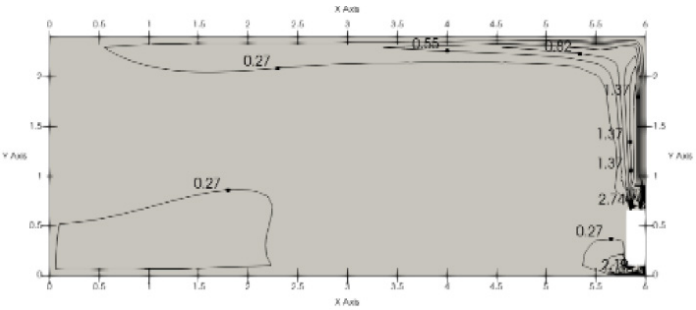
DZGF3B-3-XY D45 / DZDF4-3-XY D45 / DZDF5-3-XY D45



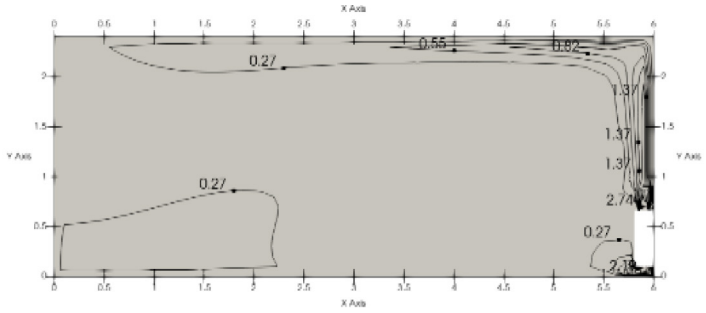
DZGF3B-3-XY D56 / DZDF4-3-XY D56 / DZDF5-3-XY D56



DZGF3B-3-XY D71 / DZDF4-3-XY D71 / DZDF5-3-XY D71

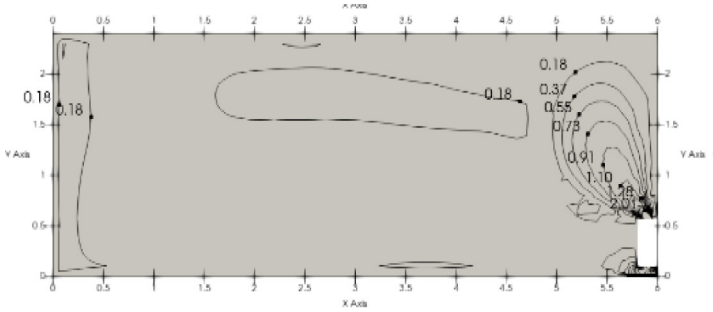


DZGF3B-3-XY D80 / DZDF4-3-XY D80 / DZDF5-3-XY D80

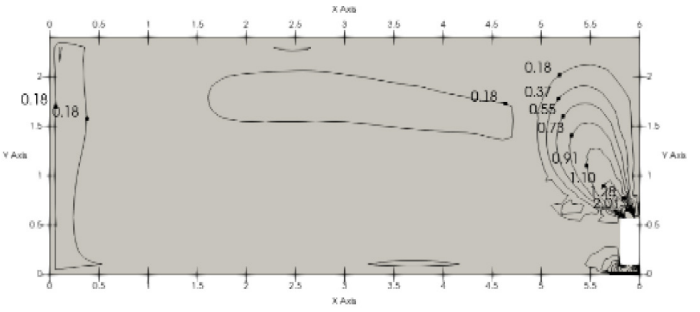


Airflow distributions - Heating (after 300s)

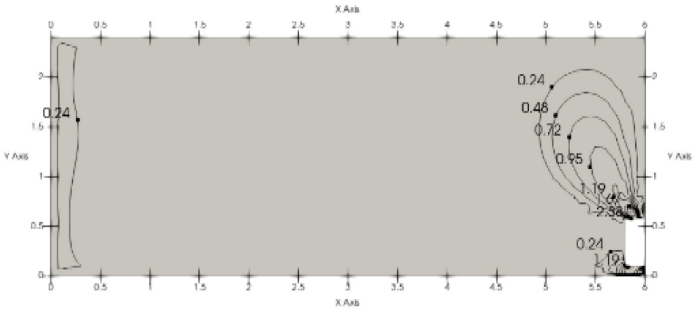
DZGF3B-3-XY D22 / DZDF4-3-XY D22 / DZDF5-3-XY D22



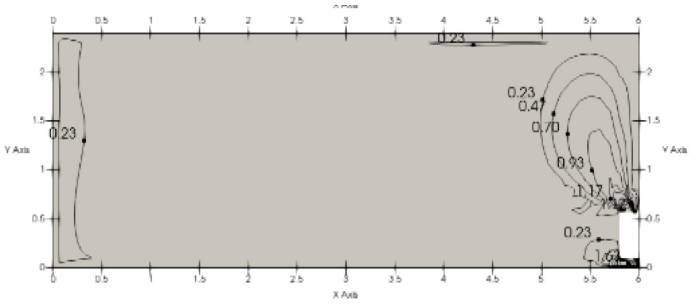
DZGF3B-3-XY D28 / DZDF4-3-XY D28 / DZDF5-3-XY D28



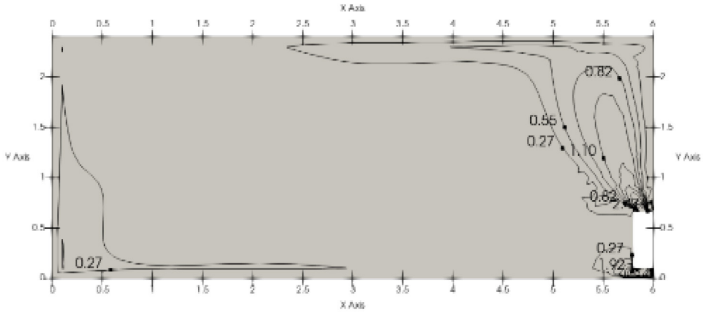
DZGF3B-3-XY D36 / DZDF4-3-XY D36 / DZDF5-3-XY D36



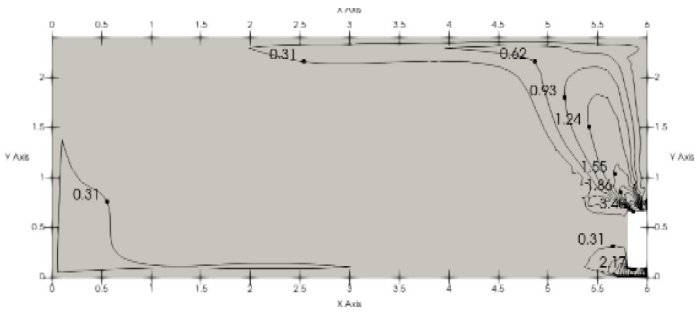
DZGF3B-3-XY D45 / DZDF4-3-XY D45 / DZDF5-3-XY D45



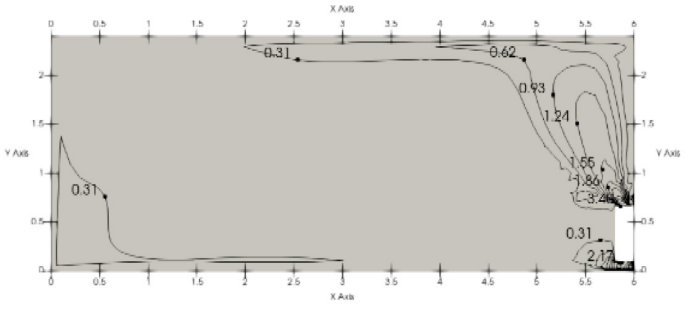
DZGF3B-3-XY D56 / DZDF4-3-XY D56 / DZDF5-3-XY D56



DZGF3B-3-XY D71 / DZDF4-3-XY D71 / DZDF5-3-XY D71



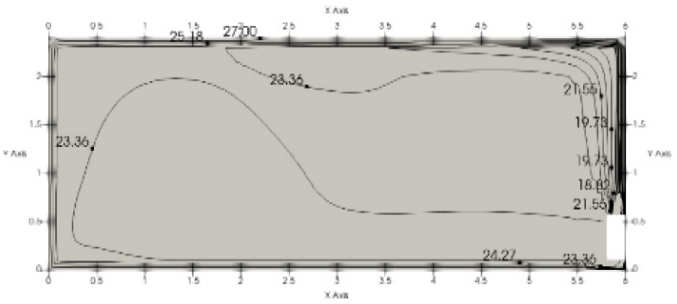
DZGF3B-3-XY D80 / DZDF4-3-XY D80 / DZDF5-3-XY D80



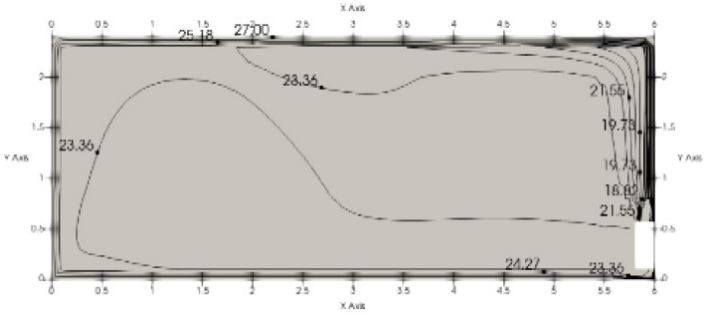
Temperature and Airflow Distributions

Temperature distributions - Cooling (after 300s)

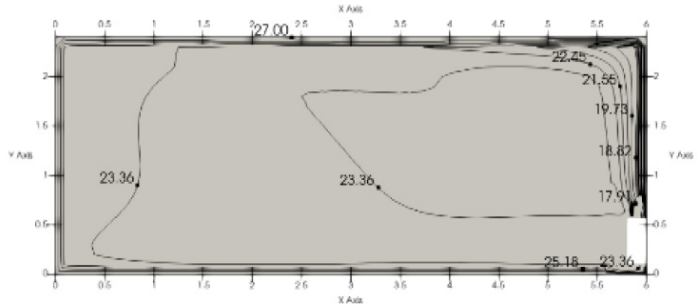
DZGF3B-3-XY D22 / DZDF4-3-XY D22 / DZDF5-3-XY D22



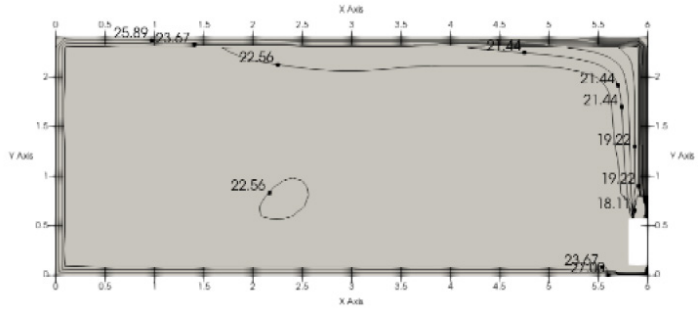
DZGF3B-3-XY D28 / DZDF4-3-XY D28 / DZDF5-3-XY D28



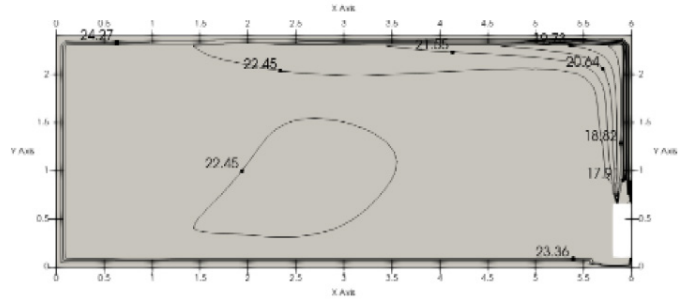
DZGF3B-3-XY D36 / DZDF4-3-XY D36 / DZDF5-3-XY D36



DZGF3B-3-XY D45 / DZDF4-3-XY D45 / DZDF5-3-XY D45



DZGF3B-3-XY D56 / DZDF4-3-XY D56 / DZDF5-3-XY D56



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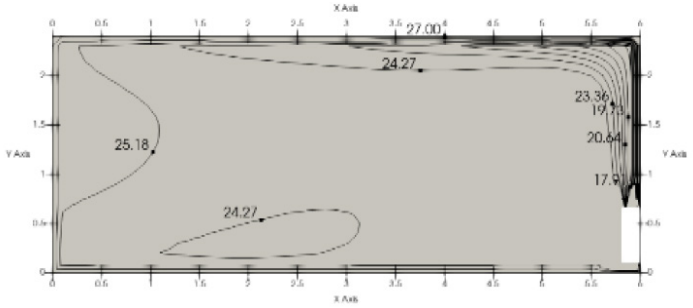
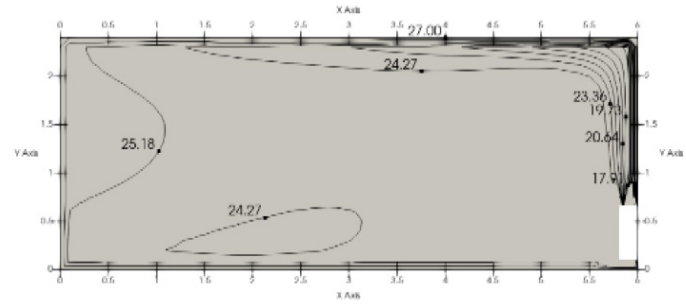
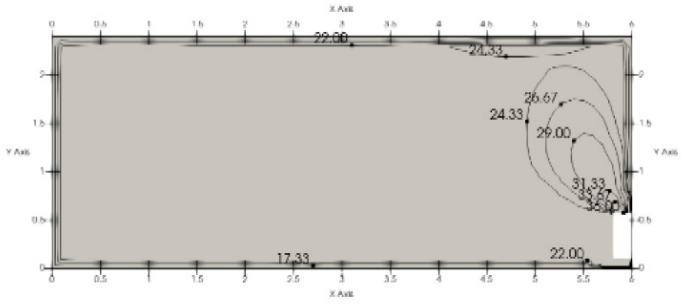


DZGF3B-3-XY D80 / DZDF4-3-XY D80 / DZDF5-3-XY D80

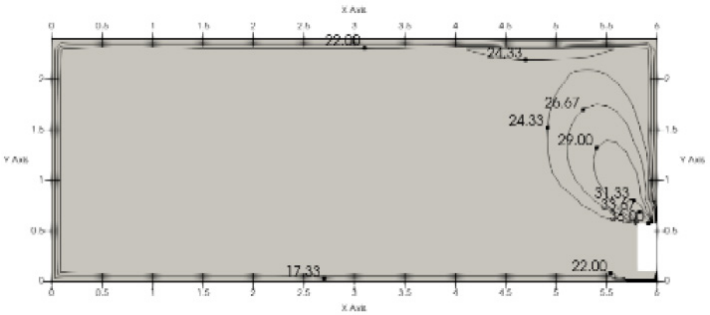


Temperature distributions - Heating (after 300s)

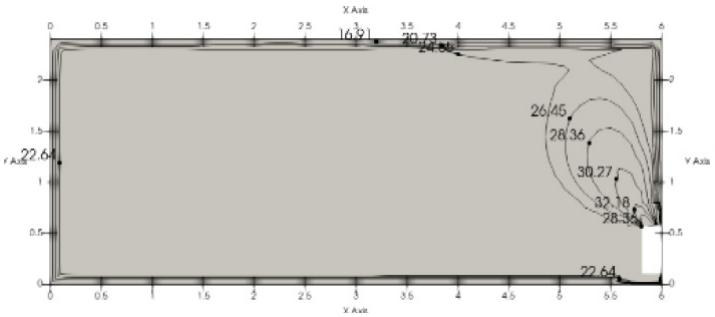
DZGF3B-3-XY D22 / DZDF4-3-XY D22 / DZDF5-3-XY D22



DZGF3B-3-XY D28 / DZDF4-3-XY D28 / DZDF5-3-XY D28



DZGF3B-3-XY D36 / DZDF4-3-XY D36 / DZDF5-3-XY D36



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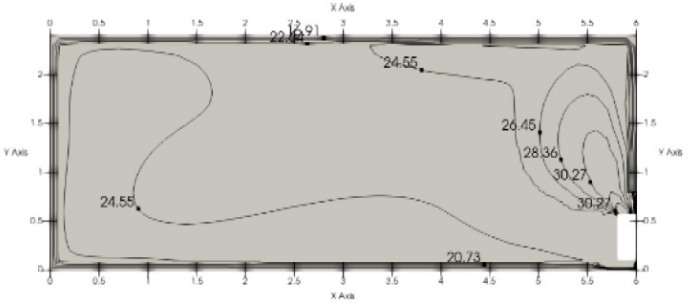
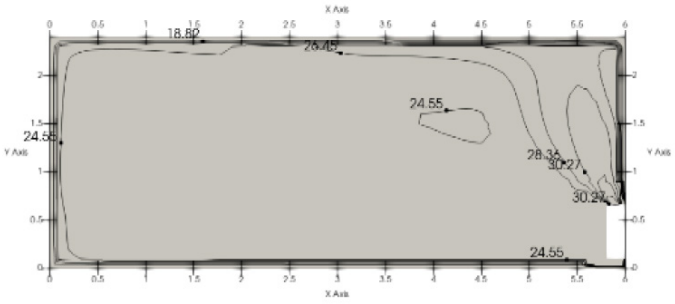


DZGF3B-3-XY D56 / DZDF4-3-XY D56 / DZDF5-3-XY D56



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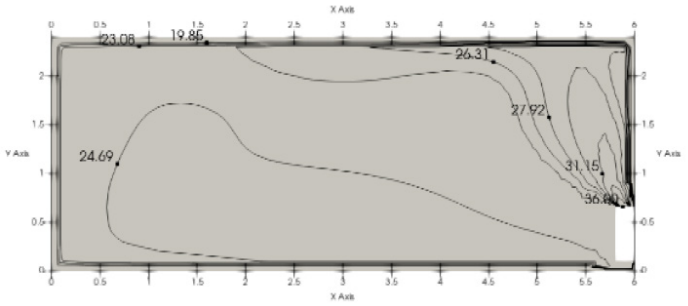
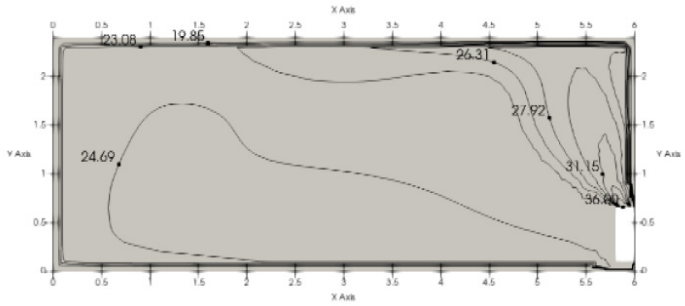


DZGF3B-3-XY D80 / DZDF4-3-XY D80 / DZDF5-3-XY D80



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