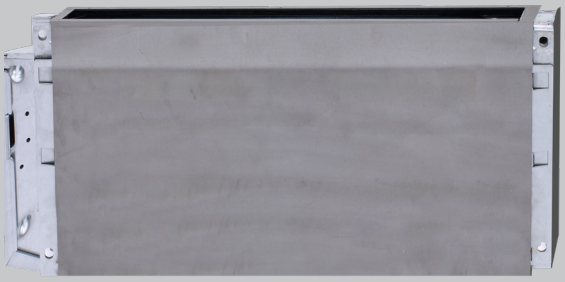
FLOOR STANDING

DZDF4-2A-XMi D22-D80
DZDF5-2A-XMi D22-D80
DZGF3B-2A-XMi D22-D80

Direct expansion indoor unit for VRF

TECHNICAL BULLETTIN



Nominal Cooling Capacities from 2,2kW to 8kW

Nominal Heating Capacities from 2,4kW to 9kW

MODEL			DZDF4-2A-XMI D22 DZDF5-2A-XMI D22	DZDF4-2A-XMI D28 DZDF5-2A-XMI D28	DZDF4-2A-XMI D36 DZDF5-2A-XMI D36	DZDF4-2A-XMI D45 DZDF5-2A-XMI 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(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 x 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)	507/490/482/466/4 49/450/435	507/490/482/466/4 49/450/435	532/512/501/483/4 66/435/414	689/663/639/608/5 75/560/526
		m^3/h (F5)	498/486/475/464/4 52/441/430	498/486/475/464/4 52/441/430	508/491/474/458/4 41/424/407	692/665/637/610/5 82/555/528
Sound pressure level[4]		dB(A) (F4)	39/38/37/37/36/36/35		39/39/38/37/35/34/33	44/43/42/41/40/39/37
		dB(A) (F5)	37/37/36/36/36/35/35		38/38/37/36/36/35/34	41/40/39/38/37/36/35
Sound power level		dB(A) (F4)	50/50/49/49/48/48/48	50/49/49/48/48/47/47	51/50/49/48/47/47/46	53/53/52/50/49/49/48
		dB(A) (F5)				
Unit	Net dimensions[5] (W×H×D)	mm (F4)	1020×495×200			1240×495×200
		mm (F5)	1020×585×200			1240×585×200
	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)	22.5/29.3		23.3/30.0	27.7/34.3
		kg (F5)	22.5/28.2		23.3/29.0	27.7/33.8
Refrigerant type			R410A			
Throttle			Electronic expansion valve			
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 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m 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 1m in front of the unit and at a height of 1.5m in a semi-anechoic chamber
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments and mounting feet (F5 only)

General technical data

MODEL			DZDF4-2A-XMI D56 DZDF5-2A-XMI D56	DZDF4-2A-XMI D71 DZDF5-2A-XMI D71	DZDF4-2A-XMI D80 DZDF5-2A-XMI 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)	43/43/42/42/41/40/40	47/46/45/45/44/43/43	
		dB(A) (F5)	39/38/38/38/37/37/36	41/40/40/39/38/38/37	
Sound power level		dB(A) (F4)	51/50/50/50/49/49/48	54/53/52/51 /50/49/49	
		dB(A) (F5)			
Unit	Net dimensions[5] (W×H×D)	mm (F4)	1360×591×200		
		mm (F5)	1360×681×200		
	Packed dimensions (W×H×D)	mm (F4)	1465×695×285		
		mm (F5)	1465×695×285		
	Net/Gross weight	kg (F4)	31.8/41.3	34.5/43.3	34.5/43.3
		kg (F5)	31.8/39.7	34.5/42.3	34.5/42.3
Refrigerant type			R410A		
Throttle			Electronic expansion valve		
Refrigerant piping	Liquid/Gas side	mm	Φ6.35/Φ12.7	Φ9.53/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 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m 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 1m in front of the unit and at a height of 1.5m in a semi-anechoic chamber
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments and mounting feet (F5 only)

General technical data

MODEL			DZGF3B-2A-XMI D22	DZGF3B-2A-XMI D28	DZGF3B-2A-XMI D36	DZGF3B-2A-XMI 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 x 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	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)	36/35/34/33/31/30/29		37/36/35/34/32/31/30	
Sound power level		dB(A)	49/48/48/47/47/46/46	49/48/48/48/47/47/46	51/50/49/48/48/47/46	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	17.7/21.4		18.3/22.1	21.4/25.8
Refrigerant type			R410A			
Throttle			Electronic expansion valve			
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 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m 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 1m in front of the unit and at a height of 1.5m in a semi-anechoic chamber
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments

General technical data

MODEL			DZGF3B-2A-XMI D56	DZGF3B-2A-XMI D71	DZGF3B-2A-XMI 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 x 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)	41/39/37/35/33/32/31	44/42/40/39/37/35/33	
Sound power level		dB(A)	51/51/49/49/48/47/47	54/53/52/51/50/49/49	
Unit	Net dimensions[5] (W×H×D)	mm	1253×566×200		
	Packed dimensions (W×H×D)	mm	1325×650×255		
	Net/Gross weight	kg	25.5/31.2	27.3/33.0	27.3/33.0
Refrigerant type			R410A		
Throttle			Electronic expansion valve		
Refrigerant piping	Liquid/Gas side	mm	Φ6.4/Φ12.7	Φ9.53/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 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m 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 1m in front of the unit and at a height of 1.5m in a semi-anechoic chamber
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments

Figure 2.1: F4/F5 series Exposed Floor Standing dimensions

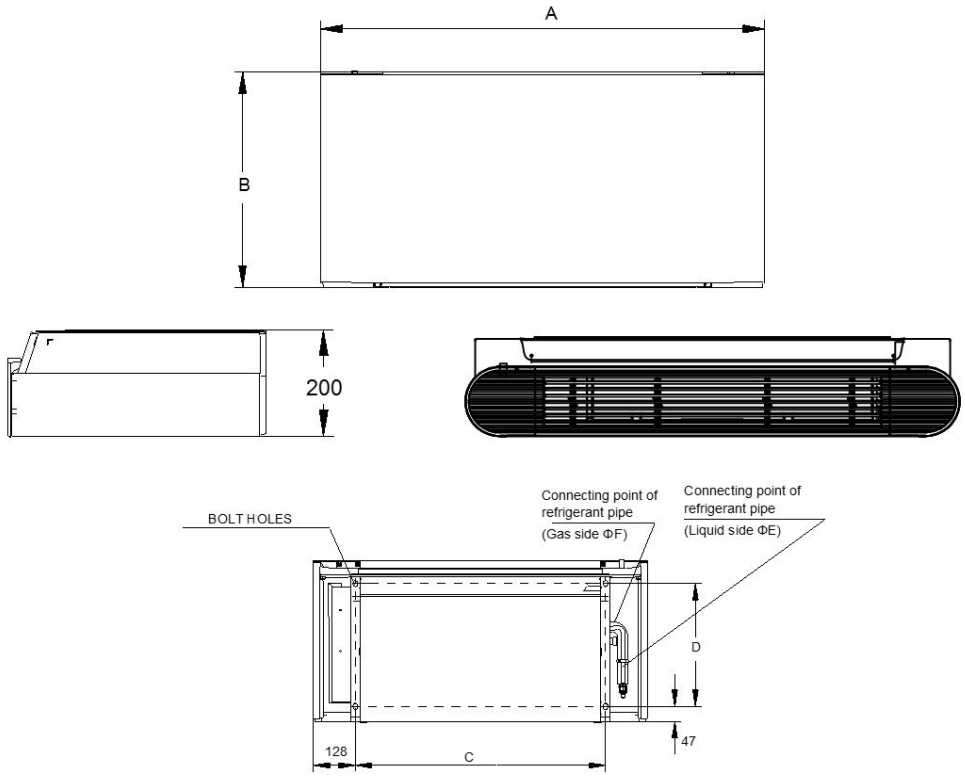


Table 2.1: F4/F5 series Exposed Floor Standing dimensions

Model	Dimensions (mm)			
	A	B	C	D
DZDF4-2A-XMi D22 - DZDF5-2A-XMi D22	1020	495	764	375
DZDF4-2A-XMi D28 - DZDF5-2A-XMi D28				
DZDF4-2A-XMi D36 - DZDF5-2A-XMi D36				
DZDF4-2A-XMi D45 - DZDF5-2A-XMi D45	1240	495	984	375
DZDF4-2A-XMi D56 - DZDF5-2A-XMi D56	1360	591	1104	391
DZDF4-2A-XMi D71 - DZDF5-2A-XMi D71				
DZDF4-2A-XMi D80 - DZDF5-2A-XMi D80				

Table 2.2: F4/F5 series Exposed Floor Standing piping connections

Model	E (mm)	F (mm)
DZDF4-2A-XMi D22 - DZDF5-2A-XMi D22	6.35	12.7
DZDF4-2A-XMi D28 - DZDF5-2A-XMi D28		
DZDF4-2A-XMi D36 - DZDF5-2A-XMi D36		
DZDF4-2A-XMi D45 - DZDF5-2A-XMi D45		
DZDF4-2A-XMi D56 - DZDF5-2A-XMi D56		
DZDF4-2A-XMi D71 - DZDF5-2A-XMi D71	9.53	15.9
DZDF4-2A-XMi D80 - DZDF5-2A-XMi D80		

Dimensions

Figure 2.2: F3 series Concealed Floor Standing dimensions

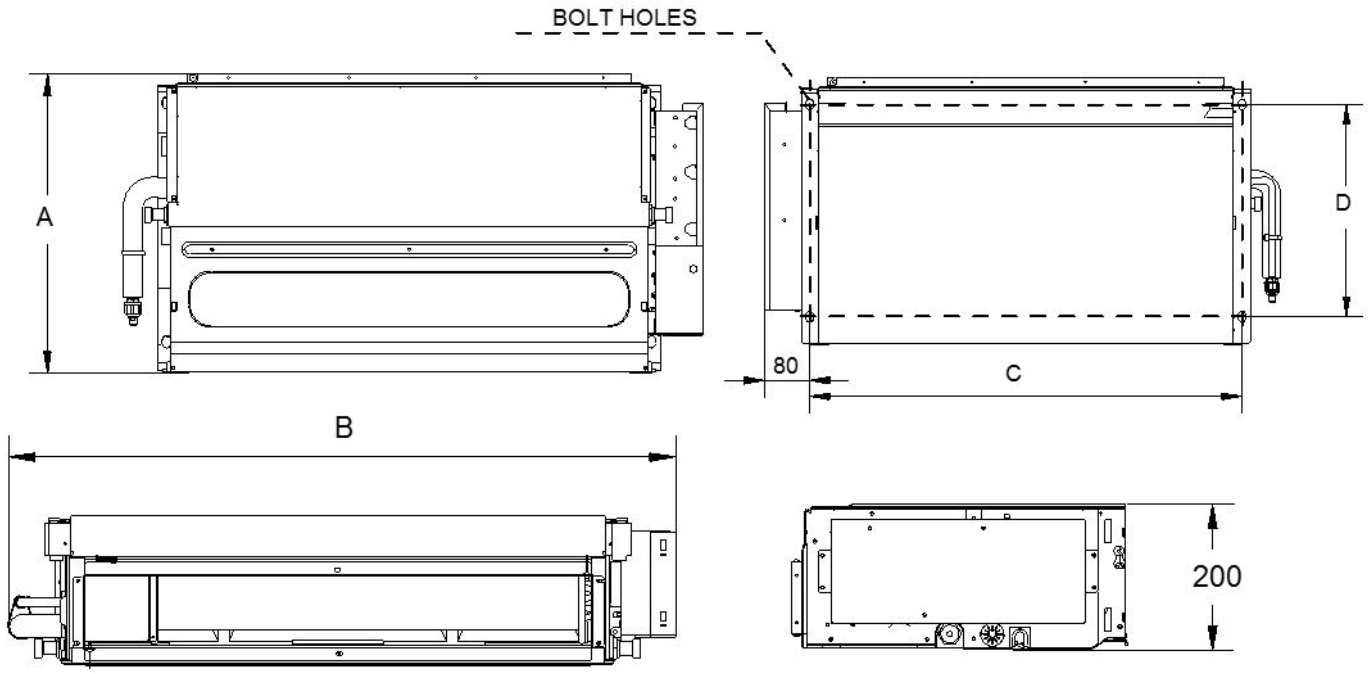


Table 2.3: F3 series Concealed Floor Standing dimensions

Model	Dimensions (mm)			
	A	B	C	D
DZGF3B-2A-XMi D22	470	915	764	375
DZGF3B-2A-XMi D28				
DZGF3B-2A-XMi D36				
DZGF3B-2A-XMi D45	470	1133	984	375
DZGF3B-2A-XMi D56	566	1253	1104	391
DZGF3B-2A-XMi D71				
DZGF3B-2A-XMi D80				

Figure 2.3: F3 series Concealed Floor Standing piping connections

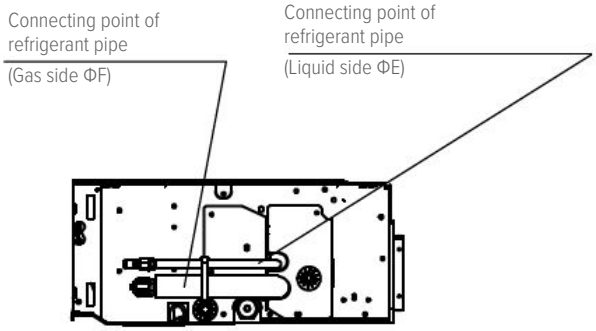


Table 2.4: F3 series Concealed Floor Standing piping connections

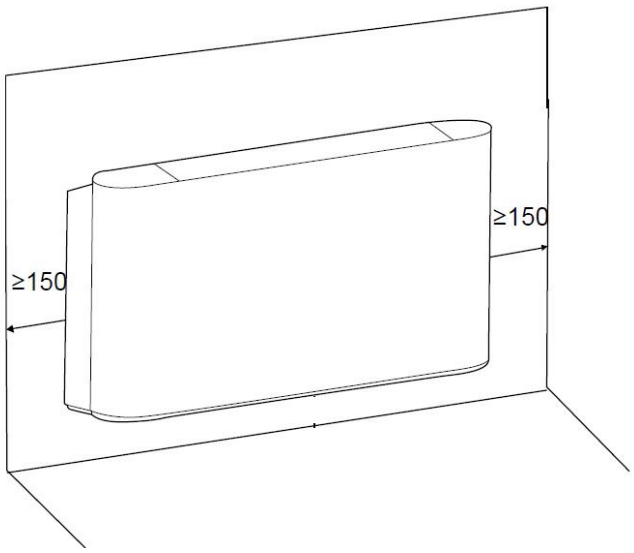
Model	Dimensions (mm)	
	E (mm)	F (mm)
DZGF3B-2A-XMi D22	6.35	12.7
DZGF3B-2A-XMi D28		
DZGF3B-2A-XMi D36		
DZGF3B-2A-XMi D45		
DZGF3B-2A-XMi D56		
DZGF3B-2A-XMi D71	9.53	15.9
DZGF3B-2A-XMi D80		

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.

Space Requirements

Figure 3.1: F4 series (air inlet from front) Exposed Floor Standing space requirements (unit: mm)

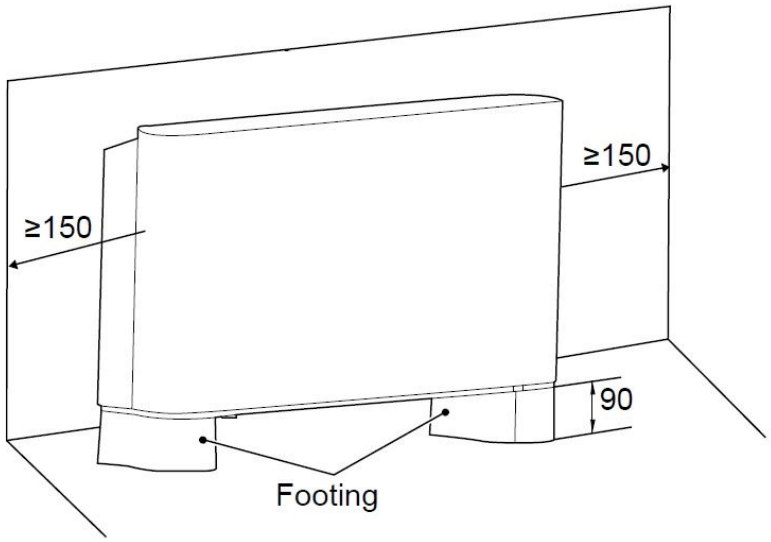


Notes:

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 600 mm between the front face and the obstacle; 1700 mm vertical distance between the top unit (outlet) and the upper obstacle. If condensation on the wall may occur, consider to keep 50 mm distance from the rear and the wall.

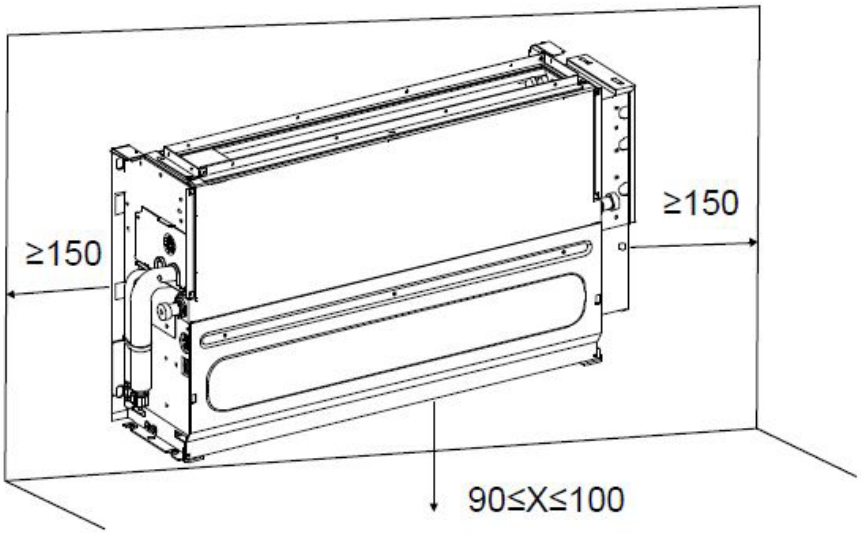
Space Requirements

Figure 3.2: 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 floor.
2. Cambiare in: Additionally, it is required to keep 600 mm between the front face and the obstacle; 1700 mm vertical distance between the top unit (outlet) and the upper obstacle. If condensation on the wall may occur, consider to keep 50 mm distance from the rear and the wall.
3. The footings are optional. You can purchase them separately.

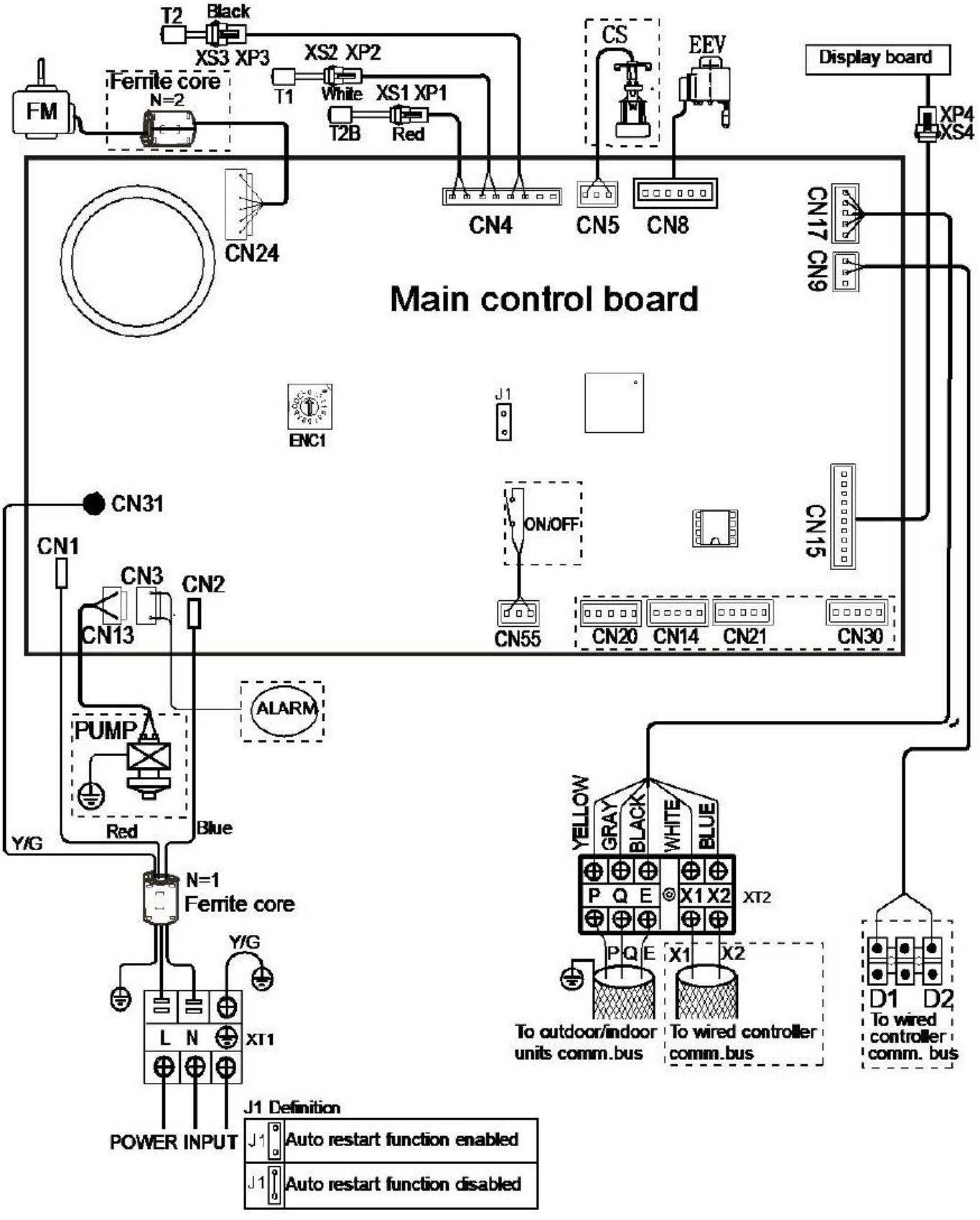
Figure 3.3: F3 series Concealed Floor Standing space requirements (unit: mm)



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 600 mm between the front face and the obstacle; 1700 mm vertical distance between the top unit (outlet) and the upper obstacle. If condensation on the wall may occur, consider to keep 50 mm distance from the rear and the wall.

Figure 5.1: Floor Standing wiring diagram

ON-OFF 12V DC
ALARM 220V AC



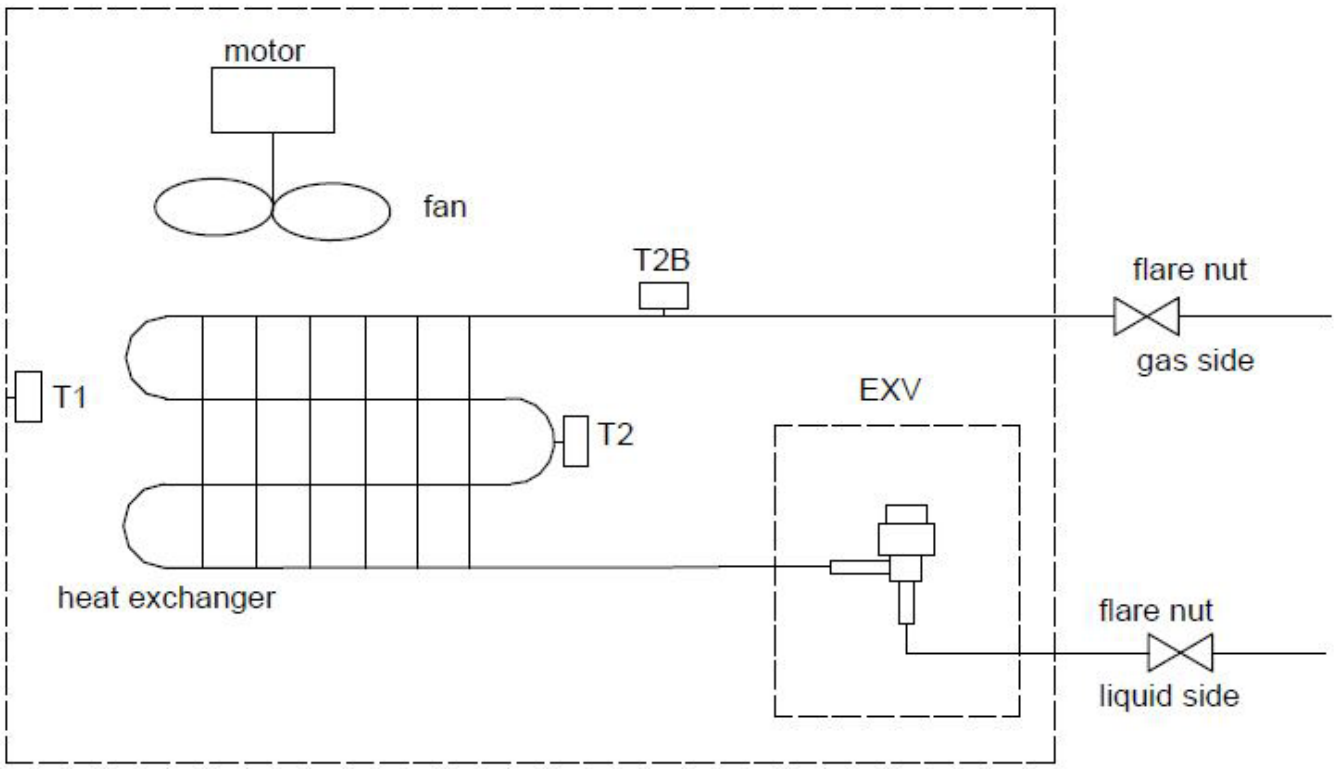
Error code	Content
E0	Mode conflict error
E1	Communication error between indoor and outdoor units
E2	T1 Idoor ambient temperature sensor error
E3	T2 Indoor heat exchnger mid-point temperature sensor error
E4	T2B Indoor heat exchnger outlet temperature sensor error
E7	EEPROM error
E9	Communication Error with wired controller
EB	Indoor EXV coil error
Ed	Outdoor unit error
EE	Water level alarm
A0	Emergency stop
A1	Refrigerant leakage error
FE	Indoor unit has not been assigned an address
FA	Capacity (HP number) has not been set
F7	Repeated indoor units address
F8	MS-Box error
U4	MS-Box self-check error
H4	Communication error between indoor unit and adapter board or panel
H5	EEPROM error (adapter board or panel)
HA	Smart Eye error

ENC 

Code	Capacity (W*100)
0	10/12
1	15/17/18
2	22
3	25/28
4	32/36
5	40
6	45
7	50/56
8	63/71
9	80

Code	Name
FM	Indoor fan motor
EEV	Electronic expansion valve
T1	Indoor ambient temperature sensor
T2B	Indoor heat exchanger outlet temperture sensor
T2	Indoor heat exchanger mid-point temperature sensor
XP1-5 XS1-5	Connectors
XT1-2	Terminal
CS	Water level protection switch
PUMP	Pump motor

Figure 4.1: Floor Standing piping diagram



Legend	
T1	Indoor ambient temperature sensor
T2	Indoor heat exchanger mid-point temperature sensor
T2B	Indoor heat exchanger outlet temperature sensor

Notes for installers and service engineers

- ✓ 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.
- ✓ P ower supply wiring should be securely fastened at the power supply terminals loose power supply wiring would represent a fir e 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.
- ✓ Switch ENC1 (indoor unit capacity setting) is factory set and its setting should normally not be changed. The only circumstances in which a switch ENC1 might need to be set in the field is when replacing a main PCB. When replacing a main PCB, ensure that the capacity setting on switch ENC1 on the new PCB is consistent with the u nit capacity given on the unit's nameplate.

Cooling Capacity Tables

Capacity (kW)	Outdoor air temperature D.B.(°C)	Indoor air temperature D.B / W.B. (°C)													
		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
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.2	10.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.6	2.6	1.6	2.9	1.5
	12.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.6	2.6	1.6	2.8	1.5
	14.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.6	2.6	1.6	2.8	1.5
	16.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.6	2.6	1.6	2.8	1.5
	18.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.6	2.6	1.6	2.8	1.4
	20.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.6	2.6	1.6	2.7	1.4
	21.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.6	2.6	1.6	2.7	1.4
	23.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.6	2.5	1.5	2.7	1.4
	25.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.6	2.5	1.5	2.6	1.4
	27.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.6	2.5	1.5	2.6	1.4
	29.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.6	2.4	1.4	2.5	1.4
	31.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.6	2.4	1.4	2.5	1.4
	33.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.6	2.4	1.4	2.4	1.4
	35.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.6	2.3	1.3	2.4	1.4
	37.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.3	1.6	2.3	1.3	2.3	1.4
	39.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.2	1.5	2.3	1.3	2.3	1.4
	42.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.2	1.5	2.3	1.3	2.3	1.4
	44.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.2	1.5	2.3	1.3	2.3	1.4
	46.0	1.5	1.3	1.8	1.4	2.1	1.5	2.2	1.5	2.2	1.5	2.3	1.3	2.3	1.4
2.8	10.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	3.0	1.9	3.3	2.0	3.7	2.0
	12.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	3.0	1.9	3.3	2.0	3.6	2.0
	14.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	3.0	1.9	3.3	2.0	3.6	2.0
	16.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	3.0	1.9	3.3	2.0	3.5	1.9
	18.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	3.0	1.9	3.3	2.0	3.5	1.9
	20.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	3.0	1.9	3.3	2.0	3.4	1.9
	21.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	3.0	1.9	3.3	2.0	3.4	1.9
	23.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	3.0	1.9	3.3	2.0	3.4	1.9
	25.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	3.0	1.9	3.2	1.9	3.3	1.9
	27.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	3.0	1.9	3.2	1.9	3.3	1.9
	29.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	3.0	1.9	3.1	1.8	3.2	1.8
	31.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	3.0	1.9	3.1	1.8	3.2	1.7
	33.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	3.0	1.9	3.1	1.8	3.1	1.7
	35.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	2.9	1.9	3.0	1.8	3.1	1.7
	37.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	2.9	1.9	3.0	1.8	3.0	1.7
	39.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	2.9	1.9	3.0	1.9	3.0	1.7
	42.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	2.9	1.9	3.0	1.9	3.0	1.7
	44.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	2.9	1.9	3.0	1.9	3.0	1.7
	46.0	1.9	1.6	2.3	1.8	2.6	1.9	2.8	1.9	2.9	1.9	3.0	1.9	3.0	1.7

Abbreviations:
TC: Total capacity
SC: Sensible capacity

Notes:
1. Shaded cells indicate rating condition.

Performance

Cooling Capacity Tables

Capacity (kW)	Outdoor air temperature D.B.(°C)	Indoor air temperature D.B / W.B. (°C)													
		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
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.6	10.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.8	2.5	4.3	2.4	4.7	2.5
	12.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.8	2.5	4.3	2.4	4.7	2.5
	14.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.8	2.5	4.3	2.4	4.6	2.4
	16.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.8	2.5	4.3	2.4	4.5	2.4
	18.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.8	2.5	4.3	2.4	4.5	2.4
	20.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.8	2.5	4.3	2.4	4.4	2.3
	21.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.8	2.5	4.3	2.4	4.4	2.3
	23.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.8	2.5	4.1	2.3	4.3	2.2
	25.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.8	2.5	4.1	2.3	4.2	2.2
	27.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.8	2.5	4.0	2.2	4.2	2.2
	29.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.8	2.5	4.0	2.2	4.1	2.2
	31.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.8	2.5	4.2	2.6	4.1	2.2
	33.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.8	2.5	4.2	2.6	3.9	2.1
	35.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.8	2.5	4.2	2.6	3.9	2.1
	37.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.7	2.4	3.8	2.3	3.9	2.1
	39.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.7	2.4	3.8	2.3	3.8	2.1
	42.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.7	2.4	3.8	2.3	3.8	2.1
	44.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.7	2.4	3.8	2.3	3.8	2.1
	46.0	2.5	1.9	2.9	2.1	3.4	2.3	3.6	2.4	3.7	2.4	3.8	2.3	3.8	2.1
4.5	10.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.8	3.0	5.3	3.4	5.9	3.0
	12.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.8	3.0	5.3	3.4	5.9	3.0
	14.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.8	3.0	5.3	3.4	5.8	3.0
	16.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.8	3.0	5.3	3.4	5.6	2.9
	18.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.8	3.0	5.3	3.4	5.7	3.0
	20.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.8	3.0	5.3	3.4	5.7	3.0
	21.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.8	3.0	5.3	3.4	5.6	3.0
	23.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.8	3.0	5.3	3.4	5.5	3.0
	25.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.8	3.0	5.2	3.0	5.4	2.9
	27.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.8	3.0	5.1	3.0	5.2	2.8
	29.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.8	3.0	5.1	2.9	5.2	2.8
	31.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.8	3.0	5.0	2.9	5.1	2.7
	33.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.8	3.0	4.9	2.8	5.1	2.7
	35.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.8	3.0	4.8	2.8	5.0	2.7
	37.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.8	3.0	4.8	2.9	4.9	2.6
	39.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.6	2.8	4.7	2.8	4.8	2.6
	42.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.6	2.8	4.7	2.8	4.8	2.6
	44.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.6	2.8	4.7	2.8	4.8	2.6
	46.0	3.1	2.4	3.7	2.6	4.2	2.8	4.5	2.9	4.6	2.8	4.7	3.1	4.8	2.6

Abbreviations:
TC: Total capacity
SC: Sensible capacity

Notes:
1. Shaded cells indicate rating condition.

Cooling Capacity Tables

Capacity (kW)	Outdoor air temperature D.B.(°C)	Indoor air temperature D.B / W.B. (°C)													
		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
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
5.6	10.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.9	3.5	6.6	3.6	7.3	3.5
	12.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.9	3.5	6.6	3.6	7.2	3.5
	14.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.9	3.5	6.6	3.6	7.1	3.5
	16.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.9	3.5	6.6	3.6	7.0	3.4
	18.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.9	3.5	6.6	3.6	6.8	3.4
	20.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.9	3.5	6.6	3.6	6.7	3.3
	21.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.9	3.5	6.6	3.6	6.6	3.3
	23.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.9	3.5	6.6	3.6	6.6	3.3
	25.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.9	3.5	6.6	3.6	6.5	3.2
	27.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.9	3.5	6.4	3.5	6.4	3.2
	29.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.9	3.5	6.3	3.5	6.4	3.3
	31.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.9	3.5	6.2	3.4	6.2	3.2
	33.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.9	3.5	6.2	3.4	6.2	3.2
	35.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.9	3.5	6.0	3.3	6.0	3.1
	37.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.9	3.5	5.9	3.2	6.0	3.1
	39.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.7	3.4	5.8	3.2	6.0	3.1
	42.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.7	3.4	5.8	3.2	6.0	3.1
	44.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.7	3.4	5.8	3.2	6.0	3.1
	46.0	3.9	2.7	4.6	3.0	5.3	3.3	5.6	3.4	5.7	3.7	5.8	3.2	6.0	3.1
7.1	10.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.5	4.4	8.4	4.5	9.2	4.6
	12.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.5	4.4	8.4	4.5	9.1	4.5
	14.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.5	4.4	8.4	4.5	9.0	4.5
	16.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.5	4.4	8.4	4.5	8.9	4.4
	18.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.5	4.4	8.4	4.5	8.7	4.3
	20.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.5	4.4	8.4	4.5	8.5	4.2
	21.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.5	4.4	8.4	4.5	8.4	4.2
	23.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.5	4.4	8.4	4.5	8.3	4.1
	25.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.5	4.4	8.4	4.5	8.2	4.1
	27.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.5	4.4	8.1	4.3	8.2	4.1
	29.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.5	4.5	8.0	4.3	8.1	4.1
	31.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.5	4.5	7.9	4.3	7.8	4.0
	33.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.5	4.5	7.8	4.2	7.8	4.0
	35.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.5	4.5	7.6	4.1	7.7	3.9
	37.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.4	4.4	7.5	4.1	7.6	4.0
	39.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.2	4.3	7.4	4.1	7.6	4.0
	42.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.2	4.3	7.4	4.1	7.6	4.0
	44.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.2	4.3	7.4	4.1	7.6	4.0
	46.0	4.9	3.6	5.8	4.0	6.7	4.3	7.1	4.5	7.2	4.3	7.4	4.1	7.6	4.0

Abbreviations:
TC: Total capacity
SC: Sensible capacity

Notes:
1. Shaded cells indicate rating condition.

Cooling Capacity Tables

Capacity (kW)	Outdoor air temperature D.B.(°C)	Indoor air temperature D.B / W.B. (°C)													
		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
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
8.0	10.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.4	5.4	9.4	5.5	10.4	5.6
	12.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.4	5.4	9.4	5.5	10.2	5.5
	14.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.4	5.4	9.4	5.5	10.2	5.5
	16.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.4	5.4	9.4	5.5	10.0	5.4
	18.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.4	5.4	9.4	5.5	9.8	5.3
	20.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.4	5.4	9.4	5.5	9.6	5.2
	21.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.4	5.4	9.4	5.5	9.4	5.1
	23.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.4	5.4	9.4	5.5	9.4	5.1
	25.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.4	5.4	9.4	5.5	9.3	5.0
	27.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.4	5.4	9.1	5.3	9.2	5.1
	29.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.4	5.5	9.0	5.3	9.1	5.0
	31.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.4	5.5	8.9	5.2	8.8	4.8
	33.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.4	5.5	8.8	5.2	8.8	4.8
	35.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.4	5.5	8.6	5.1	8.6	4.8
	37.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.3	5.4	8.4	5.0	8.6	4.9
	39.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.1	5.3	8.3	5.0	8.6	4.9
	42.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.1	5.3	8.3	5.0	8.6	4.9
	44.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.1	5.3	8.3	5.0	8.6	4.9
	46.0	5.5	4.4	6.6	4.9	7.5	5.3	8.0	5.5	8.1	5.3	8.3	5.0	8.6	4.9

Abbreviations:
TC: Total capacity
SC: Sensible capacity

Notes:
1. Shaded cells indicate rating condition.

Heating Capacity Tables

Capacity (kW)	Outdoor air temperature (°C)		Indoor air temperature D.B. (°C)					
			16	18	20	21	22	24
			TC	TC	TC	TC	TC	TC
	WB	DB	kW	kW	kW	kW	kW	kW
2.2	-20	-19.8	1.34	1.34	1.34	1.34	1.34	1.34
	-19	-18.8	1.44	1.44	1.44	1.44	1.44	1.44
	-17	-16.7	1.51	1.51	1.51	1.51	1.51	1.51
	-15	-14.7	1.56	1.56	1.56	1.56	1.56	1.56
	-13.00	-12.60	1.66	1.66	1.66	1.66	1.66	1.66
	-11.00	-10.50	1.68	1.70	1.70	1.70	1.70	1.70
	-10.00	-9.50	1.75	1.75	1.75	1.75	1.75	1.75
	-9.10	-8.50	1.80	1.80	1.80	1.80	1.80	1.80
	-7.60	-7.00	1.82	1.82	1.82	1.82	1.82	1.82
	-5.60	-5.00	1.90	1.90	1.90	1.90	1.90	1.90
	-3.70	-3.00	1.99	1.99	1.99	1.99	1.99	1.99
	-0.70	0.00	2.14	2.14	2.14	2.14	2.14	2.02
	2.20	3.00	2.26	2.26	2.26	2.26	2.21	2.02
	4.10	5.00	2.33	2.33	2.33	2.33	2.21	2.02
	6.00	7.00	2.40	2.40	2.40	2.33	2.21	2.02
	7.90	9.00	2.47	2.47	2.40	2.33	2.21	2.02
	9.80	11.00	2.54	2.54	2.40	2.33	2.21	2.02
	11.80	13.00	2.64	2.59	2.40	2.33	2.21	2.02
	13.70	15.00	2.71	2.59	2.40	2.33	2.21	2.02
2.8	-20	-19.8	1.79	1.79	1.79	1.79	1.79	1.79
	-19	-18.8	1.92	1.92	1.92	1.92	1.92	1.92
	-17	-16.7	2.02	2.02	2.02	2.02	2.02	2.02
	-15	-14.7	2.02	2.02	2.02	2.02	2.02	2.02
	-13.00	-12.60	2.14	2.14	2.14	2.14	2.14	2.14
	-11.00	-10.50	2.24	2.24	2.24	2.24	2.24	2.24
	-10.00	-9.50	2.34	2.34	2.34	2.34	2.34	2.34
	-9.10	-8.50	2.40	2.40	2.40	2.40	2.40	2.40
	-7.60	-7.00	2.43	2.43	2.43	2.43	2.43	2.43
	-5.60	-5.00	2.53	2.53	2.53	2.53	2.53	2.53
	-3.70	-3.00	2.66	2.66	2.66	2.66	2.66	2.66
	-0.70	0.00	2.85	2.85	2.85	2.85	2.85	2.69
	2.20	3.00	3.01	3.01	3.01	3.01	2.94	2.69
	4.10	5.00	3.10	3.10	3.10	3.10	2.94	2.69
	6.00	7.00	3.20	3.20	3.20	3.10	2.94	2.69
	7.90	9.00	3.30	3.30	3.20	3.10	2.94	2.69
	9.80	11.00	3.39	3.39	3.20	3.10	2.94	2.69
	11.80	13.00	3.52	3.46	3.20	3.10	2.94	2.69
	13.70	15.00	3.62	3.46	3.20	3.10	2.94	2.69

Abbreviations:
TC: Total capacity

Notes:
1. Shaded cells indicate rating condition.

Heating Capacity Tables

Capacity (kW)	Outdoor air temperature (°C)		Indoor air temperature D.B. (°C)					
			16	18	20	21	22	24
			TC	TC	TC	TC	TC	TC
	WB	DB	kW	kW	kW	kW	kW	kW
3.6	-20	-19.8	2.24	2.24	2.24	2.24	2.24	2.24
	-19	-18.8	2.40	2.40	2.40	2.40	2.40	2.40
	-17	-16.7	2.52	2.52	2.52	2.52	2.52	2.52
	-15	-14.7	2.60	2.60	2.60	2.60	2.60	2.60
	-13.00	-12.60	2.68	2.68	2.68	2.68	2.68	2.68
	-11.00	-10.50	2.80	2.80	2.80	2.80	2.80	2.80
	-10.00	-9.50	2.92	2.92	2.92	2.92	2.92	2.92
	-9.10	-8.50	3.00	3.00	3.00	3.00	3.00	3.00
	-7.60	-7.00	3.04	3.04	3.04	3.04	3.04	3.04
	-5.60	-5.00	3.16	3.16	3.16	3.16	3.16	3.16
	-3.70	-3.00	3.32	3.32	3.32	3.32	3.32	3.32
	-0.70	0.00	3.56	3.56	3.56	3.56	3.56	3.36
	2.20	3.00	3.76	3.76	3.76	3.76	3.68	3.36
	4.10	5.00	3.88	3.88	3.88	3.88	3.68	3.36
	6.00	7.00	4.00	4.00	4.00	3.88	3.68	3.36
	7.90	9.00	4.12	4.12	4.00	3.88	3.68	3.36
	9.80	11.00	4.24	4.24	4.00	3.88	3.68	3.36
	11.80	13.00	4.40	4.32	4.00	3.88	3.68	3.36
	13.70	15.00	4.52	4.32	4.00	3.88	3.68	3.36
4.5	-20	-19.8	2.80	2.80	2.80	2.80	2.80	2.80
	-19	-18.8	3.00	3.00	3.00	3.00	3.00	3.00
	-17	-16.7	3.15	3.15	3.15	3.15	3.15	3.15
	-15	-14.7	3.25	3.25	3.25	3.25	3.25	3.25
	-13.00	-12.60	3.35	3.35	3.35	3.35	3.35	3.35
	-11.00	-10.50	3.50	3.50	3.50	3.50	3.50	3.50
	-10.00	-9.50	3.65	3.65	3.65	3.65	3.65	3.65
	-9.10	-8.50	3.75	3.75	3.75	3.75	3.75	3.75
	-7.60	-7.00	3.80	3.80	3.80	3.80	3.80	3.80
	-5.60	-5.00	3.95	3.95	3.95	3.95	3.95	3.95
	-3.70	-3.00	4.15	4.15	4.15	4.15	4.15	4.15
	-0.70	0.00	4.45	4.45	4.45	4.45	4.45	4.20
	2.20	3.00	4.70	4.70	4.70	4.70	4.60	4.20
	4.10	5.00	4.85	4.85	4.85	4.85	4.60	4.20
	6.00	7.00	5.00	5.00	5.00	4.85	4.60	4.20
	7.90	9.00	5.15	5.15	5.00	4.85	4.60	4.20
	9.80	11.00	5.30	5.30	5.00	4.85	4.60	4.20
	11.80	13.00	5.50	5.40	5.00	4.85	4.60	4.20
	13.70	15.00	5.65	5.40	5.00	4.85	4.60	4.20

Abbreviations:
TC: Total capacity

Notes:
1. Shaded cells indicate rating condition.

Heating Capacity Tables

Capacity (kW)	Outdoor air temperature (°C)		Indoor air temperature D.B. (°C)					
			16	18	20	21	22	24
			TC	TC	TC	TC	TC	TC
	WB	DB	kW	kW	kW	kW	kW	kW
5.6	-20	-19.8	3.53	3.53	3.53	3.53	3.53	3.53
	-19	-18.8	3.78	3.78	3.78	3.78	3.78	3.78
	-17	-16.7	3.97	3.97	3.97	3.97	3.97	3.97
	-15	-14.7	4.10	4.10	4.10	4.10	4.10	4.10
	-13.00	-12.60	4.22	4.22	4.22	4.22	4.22	4.22
	-11.00	-10.50	4.41	4.41	4.41	4.41	4.41	4.41
	-10.00	-9.50	4.60	4.60	4.60	4.60	4.60	4.60
	-9.10	-8.50	4.73	4.73	4.73	4.73	4.73	4.73
	-7.60	-7.00	4.79	4.79	4.79	4.79	4.79	4.79
	-5.60	-5.00	4.98	4.98	4.98	4.98	4.98	4.98
	-3.70	-3.00	5.23	5.23	5.23	5.23	5.23	5.23
	-0.70	0.00	5.61	5.61	5.61	5.61	5.61	5.29
	2.20	3.00	5.92	5.92	5.92	5.92	5.80	5.29
	4.10	5.00	6.11	6.11	6.11	6.11	5.80	5.29
	6.00	7.00	6.30	6.30	6.30	6.11	5.80	5.29
	7.90	9.00	6.49	6.49	6.30	6.11	5.80	5.29
	9.80	11.00	6.68	6.68	6.30	6.11	5.80	5.29
	11.80	13.00	6.93	6.80	6.30	6.11	5.80	5.29
	13.70	15.00	7.12	6.80	6.30	6.11	5.80	5.29
7.1	-20	-19.8	4.48	4.48	4.48	4.48	4.48	4.48
	-19	-18.8	4.80	4.80	4.80	4.80	4.80	4.80
	-17	-16.7	5.04	5.04	5.04	5.04	5.04	5.04
	-15	-14.7	5.20	5.20	5.20	5.20	5.20	5.20
	-13.00	-12.60	5.36	5.36	5.36	5.36	5.36	5.36
	-11.00	-10.50	5.60	5.60	5.60	5.60	5.60	5.60
	-10.00	-9.50	5.84	5.84	5.84	5.84	5.84	5.84
	-9.10	-8.50	6.00	6.00	6.00	6.00	6.00	6.00
	-7.60	-7.00	6.08	6.08	6.08	6.08	6.08	6.08
	-5.60	-5.00	6.32	6.32	6.32	6.32	6.32	6.32
	-3.70	-3.00	6.64	6.64	6.64	6.64	6.64	6.64
	-0.70	0.00	7.12	7.12	7.12	7.12	7.12	6.72
	2.20	3.00	7.52	7.52	7.52	7.52	7.36	6.72
	4.10	5.00	7.76	7.76	7.76	7.76	7.36	6.72
	6.00	7.00	8.00	8.00	8.00	7.76	7.36	6.72
	7.90	9.00	8.24	8.24	8.00	7.76	7.36	6.72
	9.80	11.00	8.48	8.48	8.00	7.76	7.36	6.72
	11.80	13.00	8.80	8.64	8.00	7.76	7.36	6.72
	13.70	15.00	9.04	8.64	8.00	7.76	7.36	6.72

Abbreviations:
TC: Total capacity

Notes:
1. Shaded cells indicate rating condition.

Heating Capacity Tables

Capacity (kW)	Outdoor air temperature (°C)		Indoor air temperature D.B. (°C)					
			16	18	20	21	22	24
			TC	TC	TC	TC	TC	TC
	WB	DB	kW	kW	kW	kW	kW	kW
8.0	-20	-19.8	5.04	5.04	5.04	5.04	5.04	5.04
	-19	-18.8	5.40	5.40	5.40	5.40	5.40	5.40
	-17	-16.7	5.67	5.67	5.67	5.67	5.67	5.67
	-15	-14.7	5.85	5.85	5.85	5.85	5.85	5.85
	-13.00	-12.60	6.03	6.03	6.03	6.03	6.03	6.03
	-11.00	-10.50	6.30	6.30	6.30	6.30	6.30	6.30
	-10.00	-9.50	6.57	6.57	6.57	6.57	6.57	6.57
	-9.10	-8.50	6.75	6.75	6.75	6.75	6.75	6.75
	-7.60	-7.00	6.84	6.84	6.84	6.84	6.84	6.84
	-5.60	-5.00	7.11	7.11	7.11	7.11	7.11	7.11
	-3.70	-3.00	7.47	7.47	7.47	7.47	7.47	7.47
	-0.70	0.00	8.01	8.01	8.01	8.01	8.01	7.56
	2.20	3.00	8.46	8.46	8.46	8.46	8.28	7.56
	4.10	5.00	8.73	8.73	8.73	8.73	8.28	7.56
	6.00	7.00	9.00	9.00	9.00	8.73	8.28	7.56
	7.90	9.00	9.27	9.27	9.00	8.73	8.28	7.56
	9.80	11.00	9.54	9.54	9.00	8.73	8.28	7.56
	11.80	13.00	9.90	9.72	9.00	8.73	8.28	7.56
	13.70	15.00	10.17	9.72	9.00	8.73	8.28	7.56

Abbreviations:
TC: Total capacity

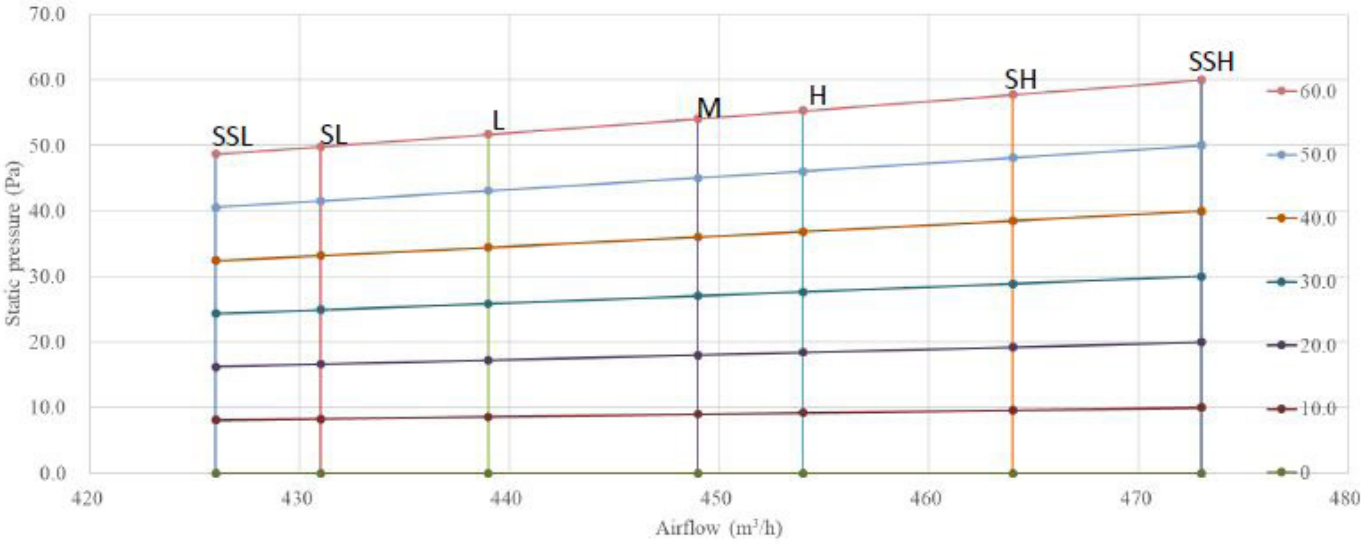
Notes:
1. Shaded cells indicate rating condition.

Model name	Power supply						Indoor fan motors	
	Hz	Volts	Min. volts	Max. volts	MCA	MFA	Rated motor output (kW)	FLA
DZDF4-2A-XMi D22 DZDF5-2A-XMi D22 DZGF3B-2A-XMi D22	50	220-240	198	264	0.9	15	0.03	0.7
DZDF4-2A-XMi D28 DZDF5-2A-XMi D28 DZGF3B-2A-XMi D28	50	220-240	198	264	0.9	15	0.03	0.7
DZDF4-2A-XMi D36 DZDF5-2A-XMi D36 DZGF3B-2A-XMi D36	50	220-240	198	264	0.9	15	0.03	0.7
DZDF4-2A-XMi D45 DZDF5-2A-XMi D45 DZGF3B-2A-XMi D45	50	220-240	198	264	0.9	15	0.03	0.7
DZDF4-2A-XMi D56 DZDF5-2A-XMi D56 DZGF3B-2A-XMi D56	50	220-240	198	264	1.1	15	0.06	0.9
DZDF4-2A-XMi D71 DZDF5-2A-XMi D71 DZGF3B-2A-XMi D71	50	220-240	198	264	1.1	15	0.06	0.9
DZDF4-2A-XMi D80 DZDF5-2A-XMi D80 DZGF3B-2A-XMi D80	50	220-240	198	264	1.1	15	0.06	0.9

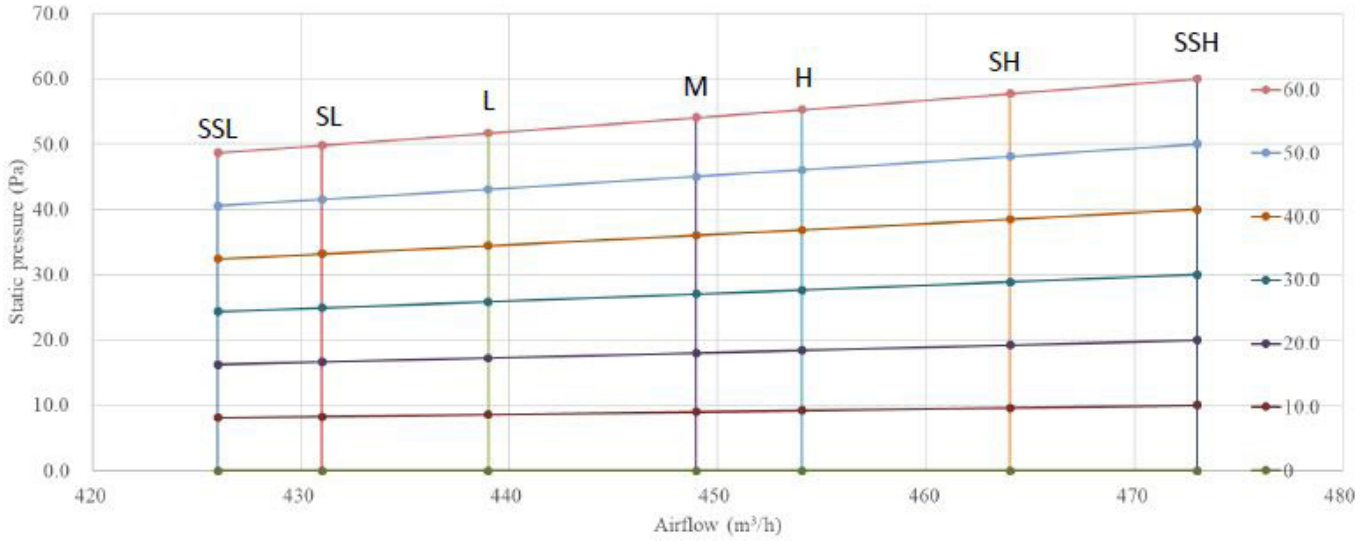
Abbreviations:
MCA: Minimum Circuit Amps
MFA: Maximum Fuse Amps
FLA: Full Load Amps

Fan Performance

DZGF3B-2A-XMi D22



DZGF3B-2A-XMi D28



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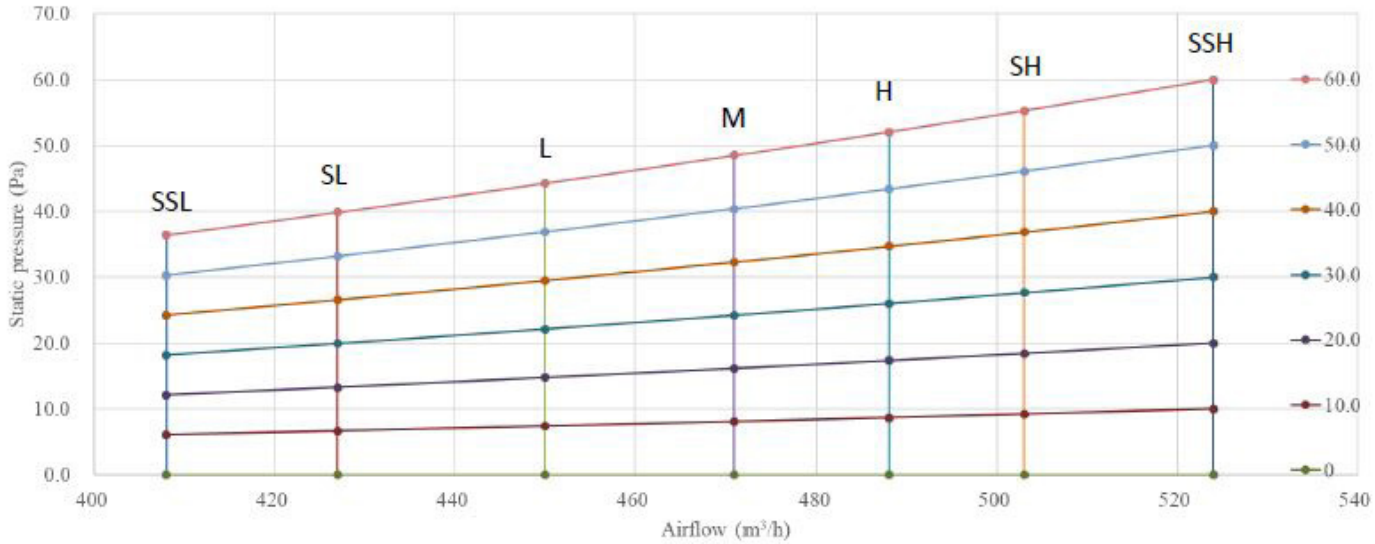

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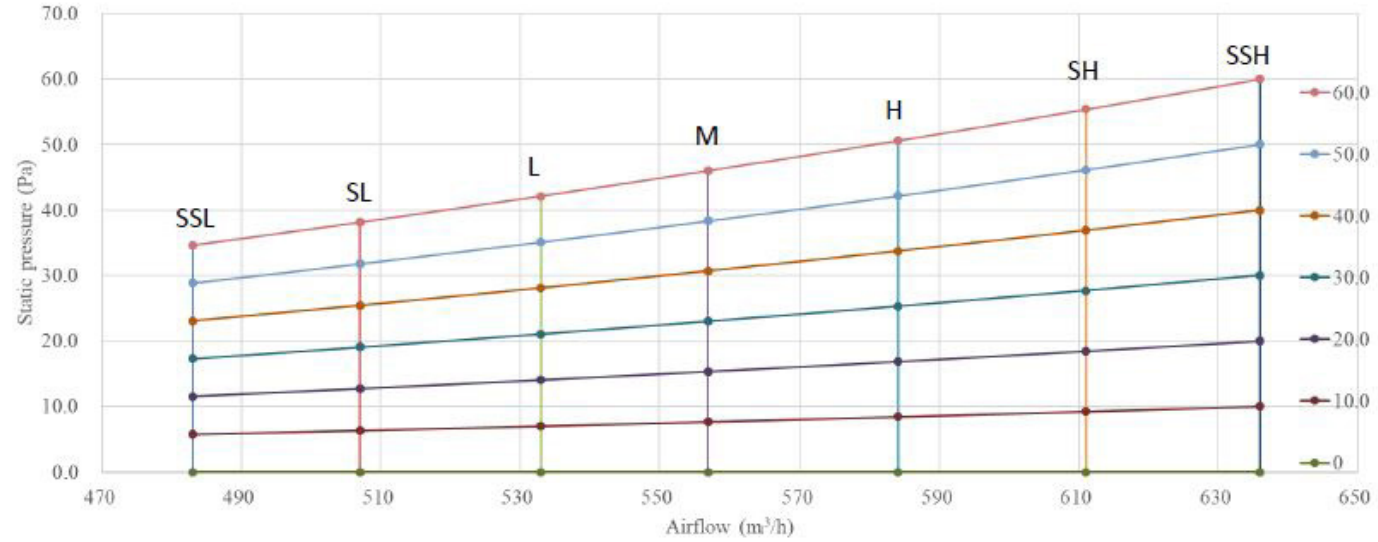

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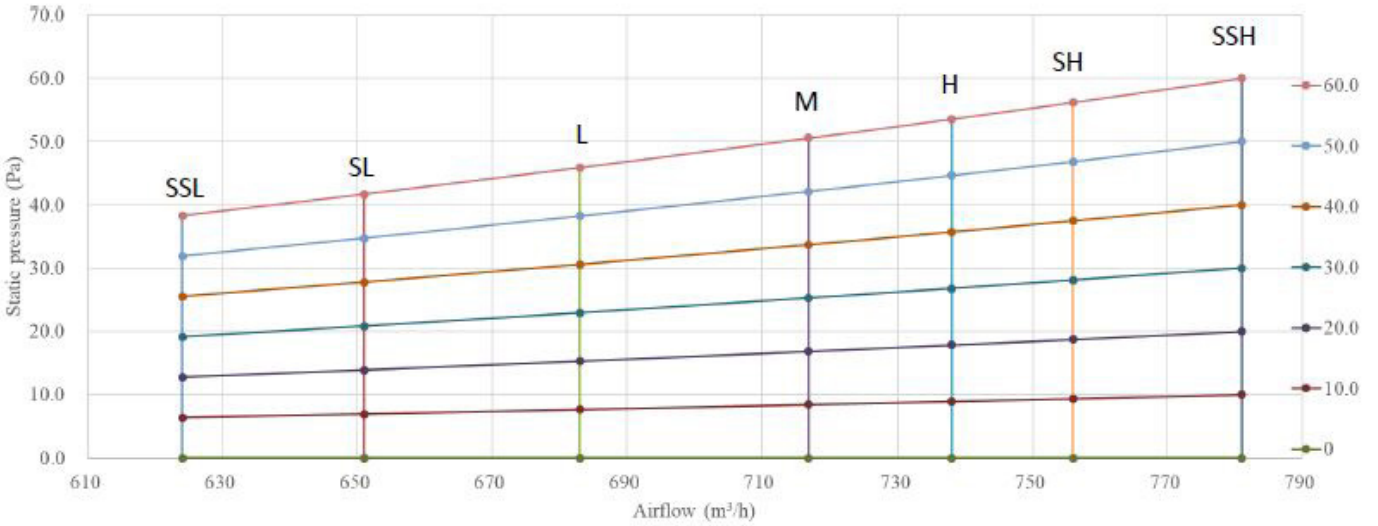

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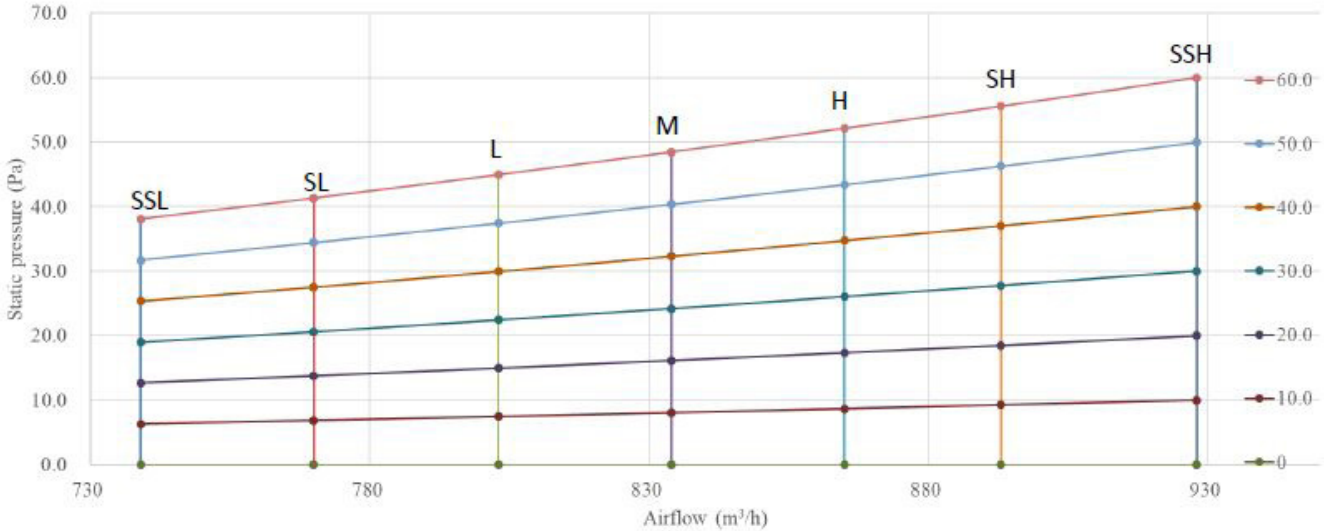
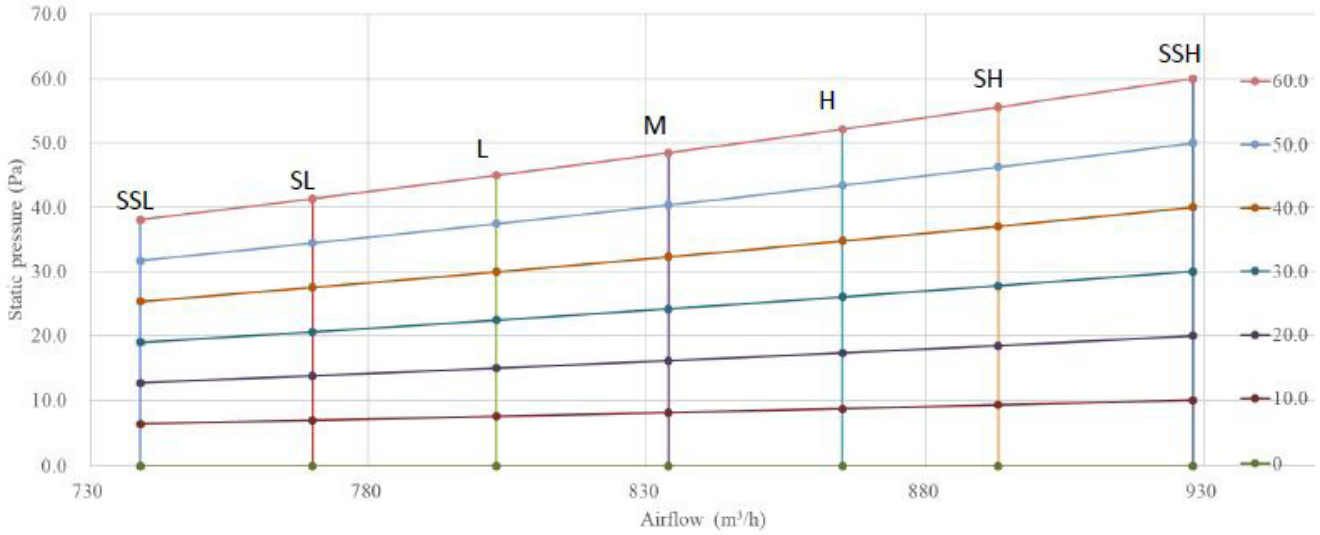


Fan Performance

DZGF3B-2A-XMi D80



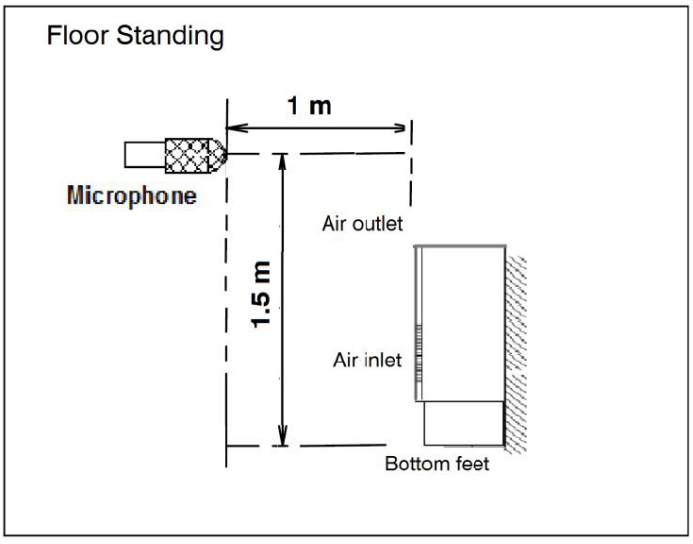
Overall

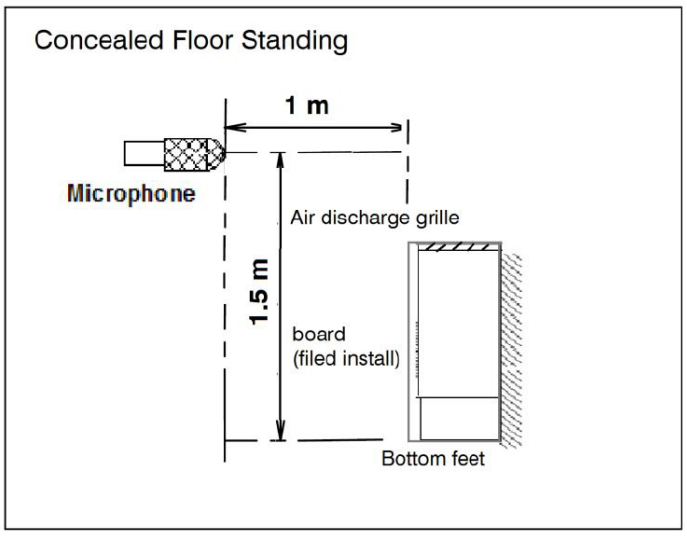
Floor standing sound pressure levels[1]

Model name	Sound pressure levels dB(A)						
	SSH	SH	H	M	L	SL	SSL
DZDF4-2A-XMi D22	36	35	34	33	31	30	29
DZDF5-2A-XMi D22	39	38	37	37	36	36	35
DZGF3B-2A-XMi D22	37	37	36	36	36	35	35
DZDF4-2A-XMi D28	36	35	34	33	31	30	29
DZDF5-2A-XMi D28	39	38	37	37	36	36	35
DZGF3B-2A-XMi D28	37	37	36	36	36	35	35
DZDF4-2A-XMi D36	37	36	35	34	32	31	30
DZDF5-2A-XMi D36	39	39	38	37	35	34	33
DZGF3B-2A-XMi D36	38	38	37	36	36	35	34
DZDF4-2A-XMi D45	37	36	35	34	32	31	30
DZDF5-2A-XMi D45	44	43	42	41	40	39	37
DZGF3B-2A-XMi D45	41	40	39	38	37	36	35
DZDF4-2A-XMi D56	41	39	37	35	33	32	31
DZDF5-2A-XMi D56	43	43	42	42	41	40	40
DZGF3B-2A-XMi D56	39	38	38	38	37	37	36
DZDF4-2A-XMi D71	44	42	40	39	37	35	33
DZDF5-2A-XMi D71	47	46	45	45	44	43	43
DZGF3B-2A-XMi D71	41	40	40	39	38	38	37
DZDF4-2A-XMi D80	44	42	40	39	37	35	33
DZDF5-2A-XMi D80	47	46	45	45	44	43	43
DZGF3B-2A-XMi D80	41	40	40	39	38	38	37

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

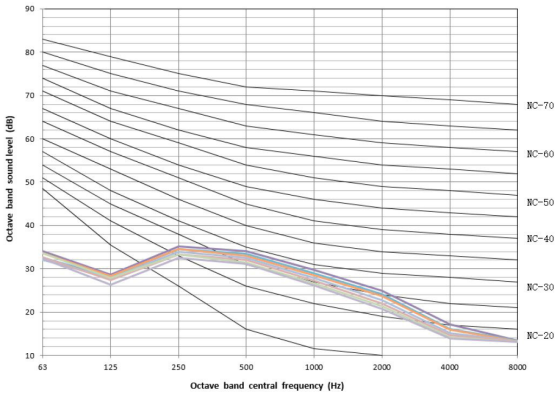
Floor Standing sound pressure level measurement



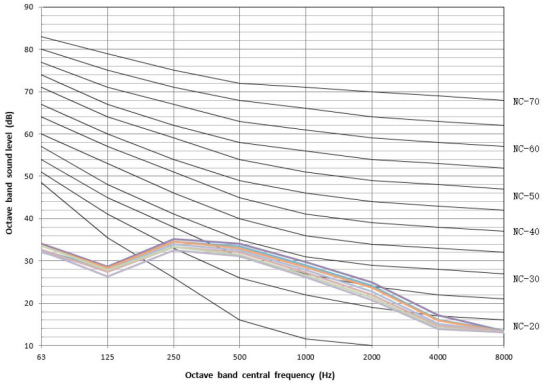


Octave Band Levels

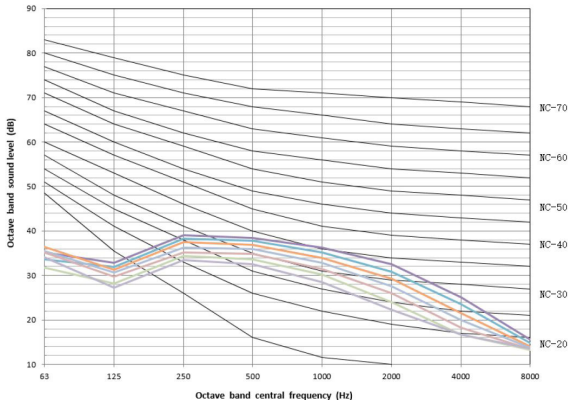
DZGF3B-2A-XMi D22



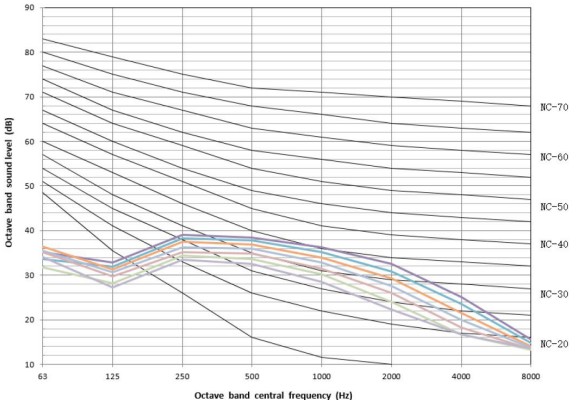
DZGF3B-2A-XMi D28



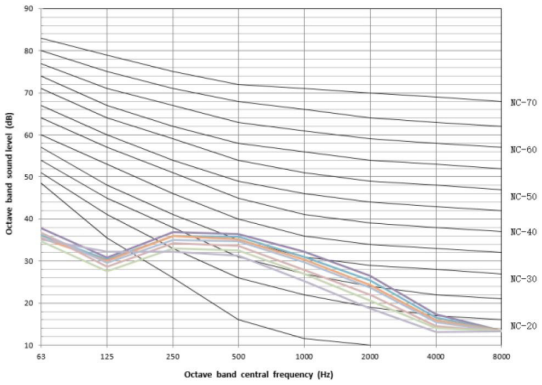
DZGF3B-2A-XMi D36



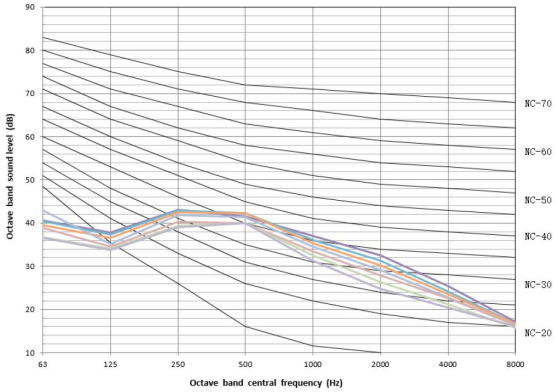
DZGF3B-2A-XMi D45



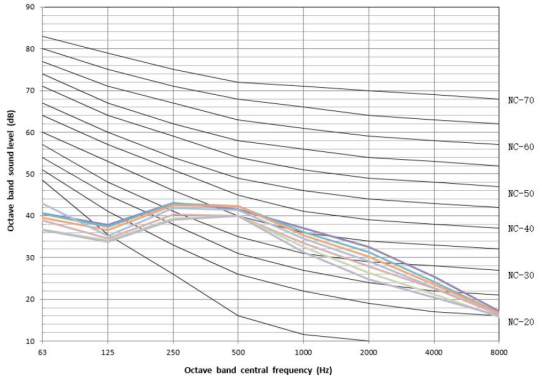
DZGF3B-2A-XMi D56



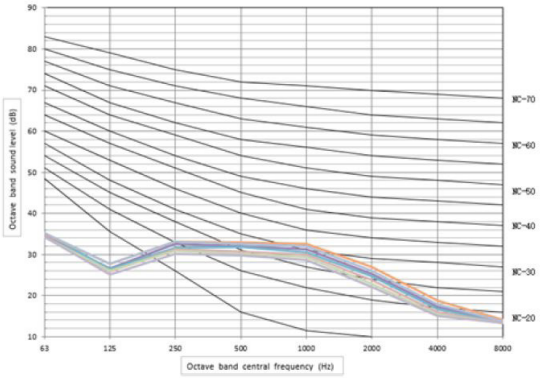
DZGF3B-2A-XMi D71



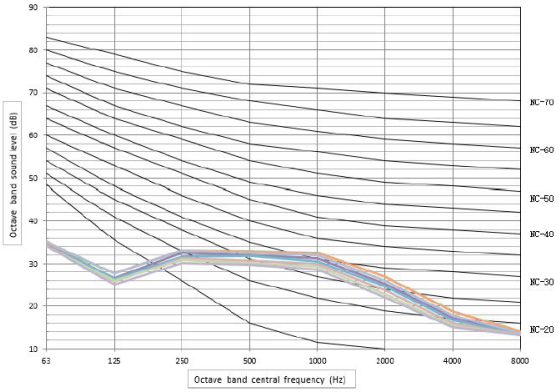
DZGF3B-2A-XMi D80



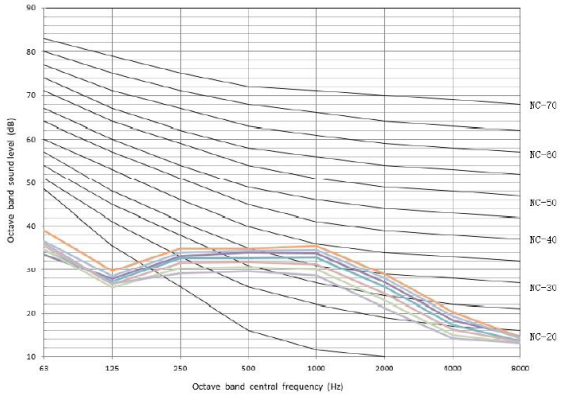
DZDF4-2A-XMi D22



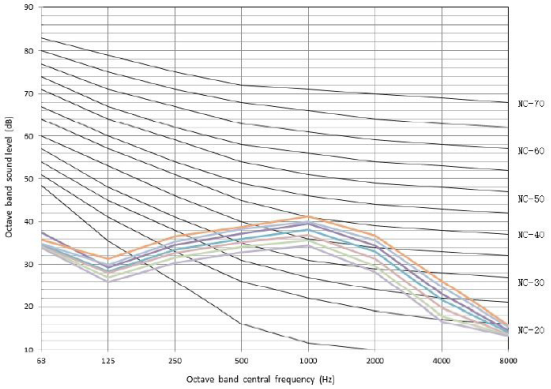
DZDF4-2A-XMi D28



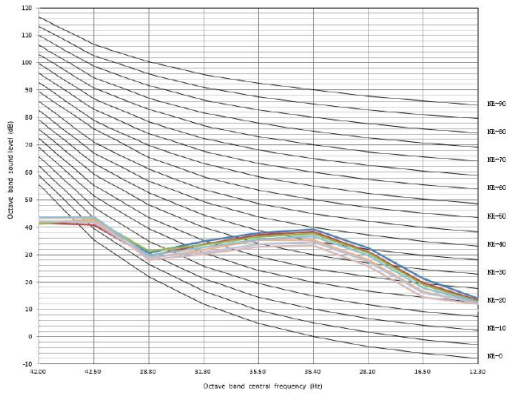
DZDF4-2A-XMi D36



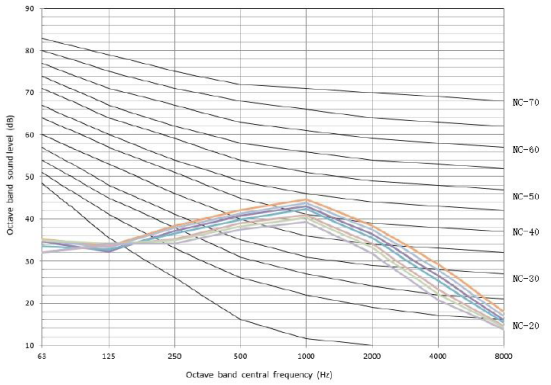
DZDF4-2A-XMi D45



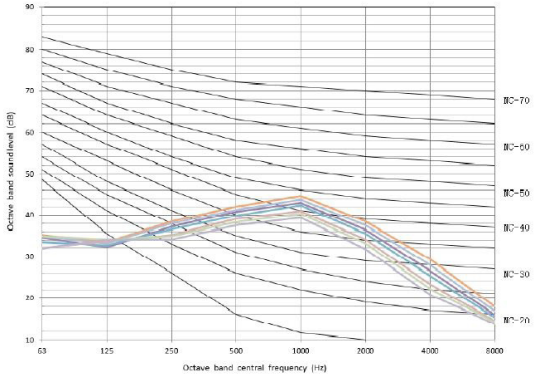
DZDF4-2A-XMi D56



DZDF4-2A-XMi D71

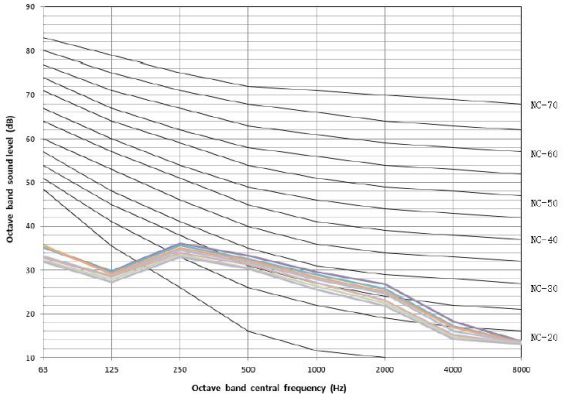


DZDF4-2A-XMi D80

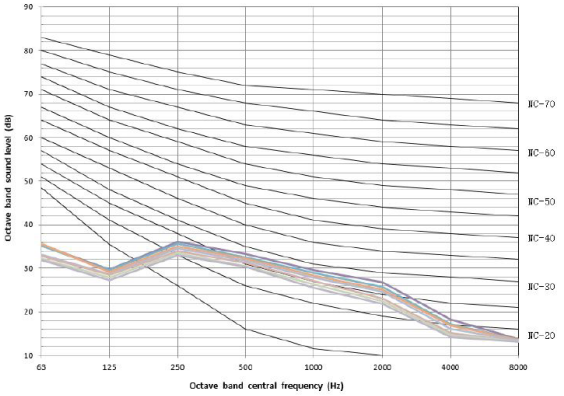


Octave Band Levels

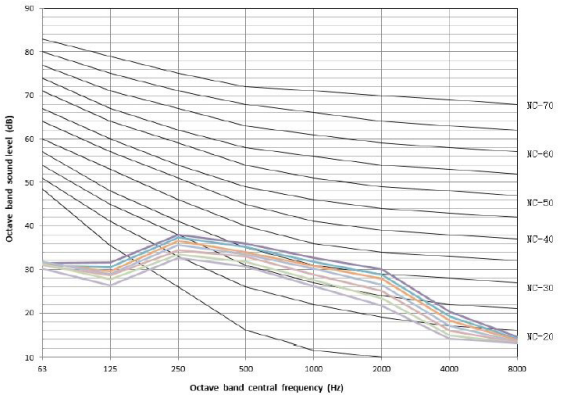
DZDF5-2A-XMi D22



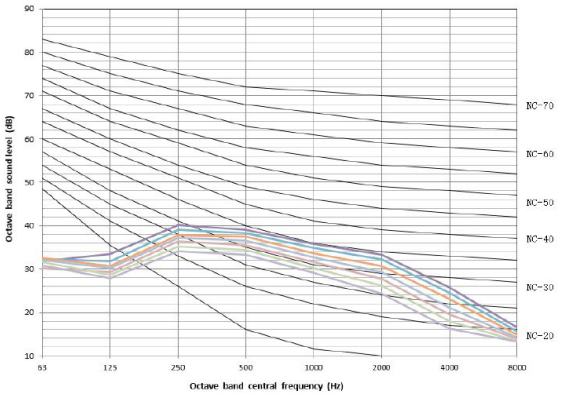
DZDF5-2A-XMi D28



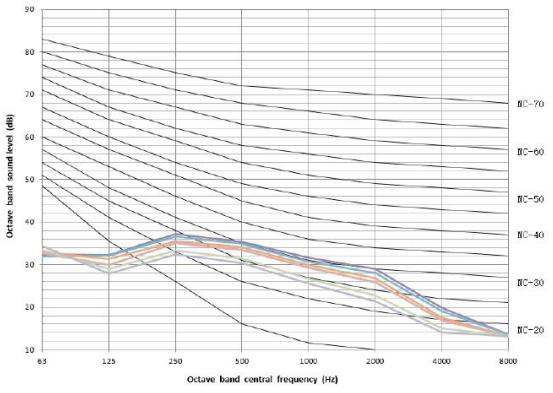
DZDF5-2A-XMi D36



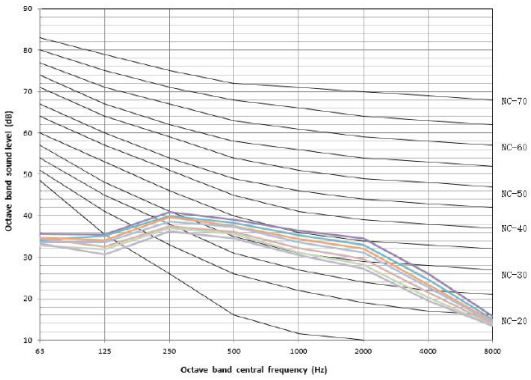
DZDF5-2A-XMi D45



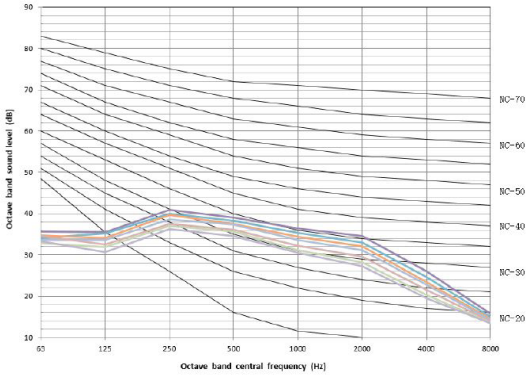
DZDF5-2A-XMi D56



DZDF5-2A-XMi D71



DZDF5-2A-XMi D80



Simulate condition

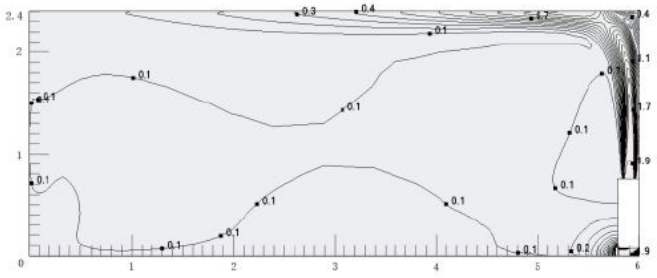
Floor standing simulate condition

Model name	Room size (m)	Ceiling height (m)	Flow angle (Cooling/Heating)	Placing
DZGF3B-2-XMi D22 DZDF4-2-XMi D22 DZDF5-2-XMi D22	6x6	2.4	90°/125°	Standing
DZGF3B-2-XMi D28 DZDF4-2-XMi D28 DZDF5-2-XMi D28	6x6	2.4	90°/125°	Standing
DZGF3B-2-XMi D36 DZDF4-2-XMi D36 DZDF5-2-XMi D36	6x6	2.4	90°/125°	Standing
DZGF3B-2-XMi D45 DZDF4-2-XMi D45 DZDF5-2-XMi D45	6x6	2.4	90°/125°	Standing
DZGF3B-2-XMi D56 DZDF4-2-XMi D56 DZDF5-2-XMi D56	6x6	2.4	90°/125°	Standing
DZGF3B-2-XMi D71 DZDF4-2-XMi D71 DZDF5-2-XMi D71	6x6	2.4	90°/125°	Standing
DZGF3B-2-XMi D80 DZDF4-2-XMi D80 DZDF5-2-XMi D80	6x6	2.4	90°/125°	Standing

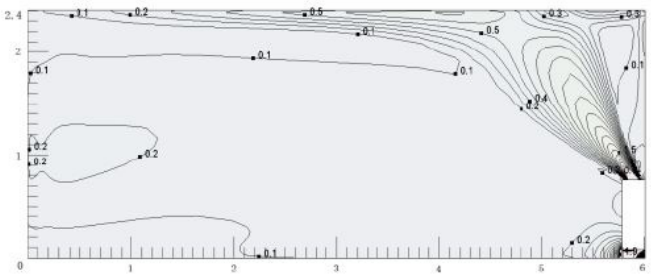
Notes:
1. These figures show typical temperature and airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

Airflow distributions (unit: m/s)

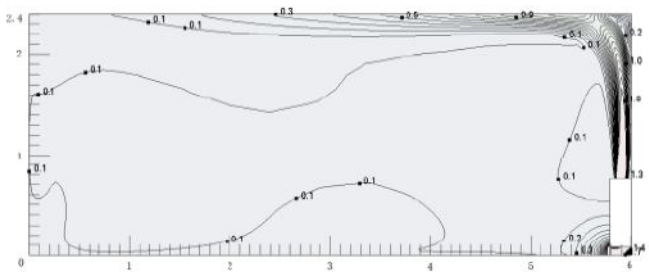
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D22 cooling at 300S



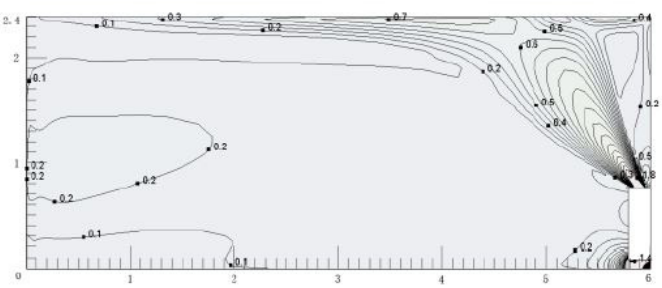
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D22 heating at 300S



Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D28 cooling at 300S

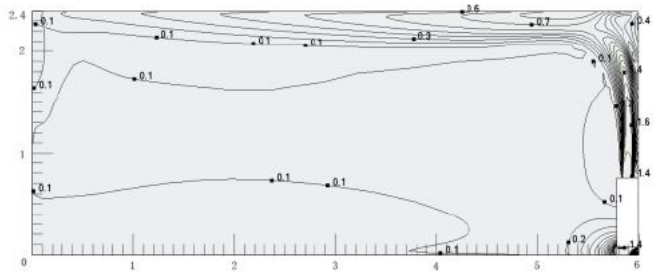


Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D28 heating at 300S

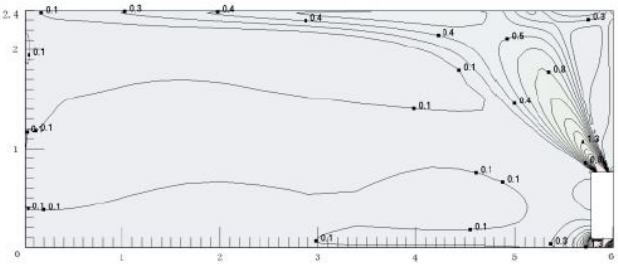


Temperature and Airflow Distributions

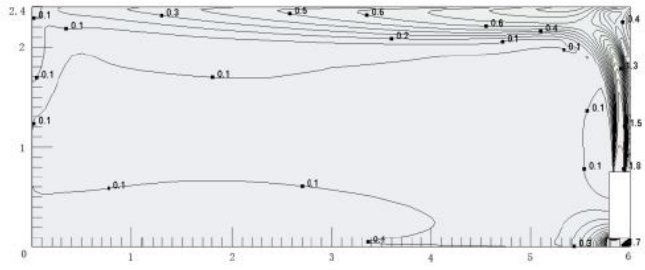
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D36 cooling at 300S



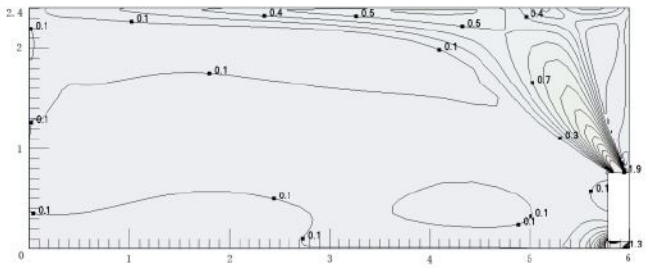
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D36 heating at 300S



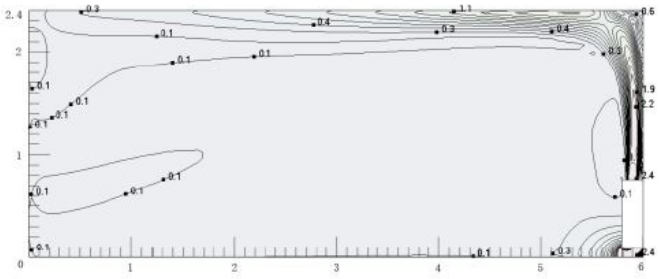
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D45 cooling at 300S



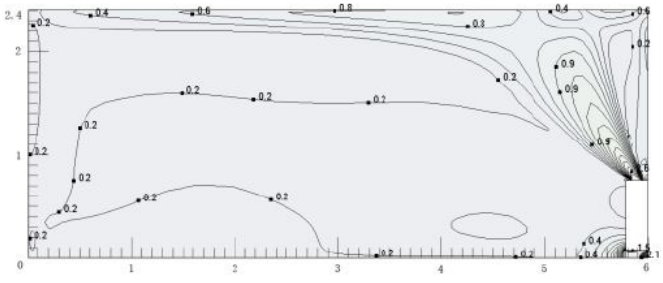
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D45 heating at 300S



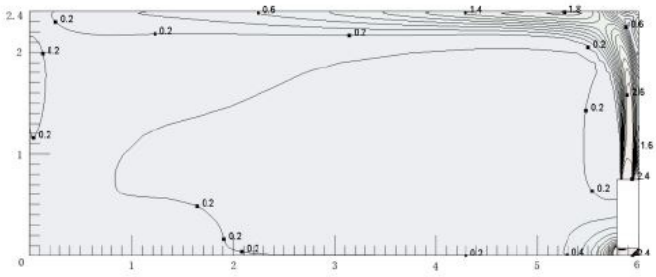
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D56 cooling at 300S



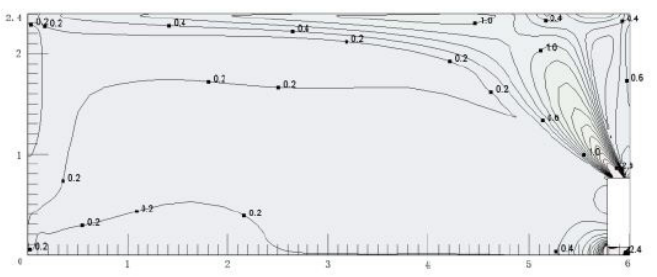
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D56 heating at 300S



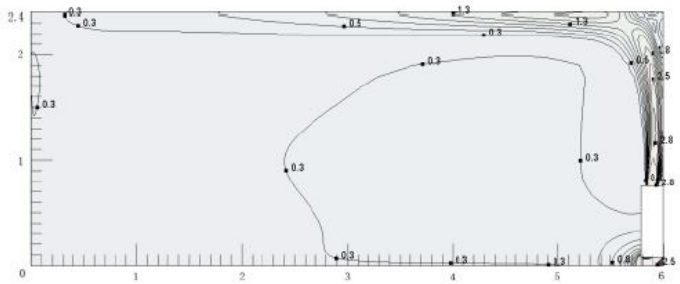
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D71 cooling at 300S



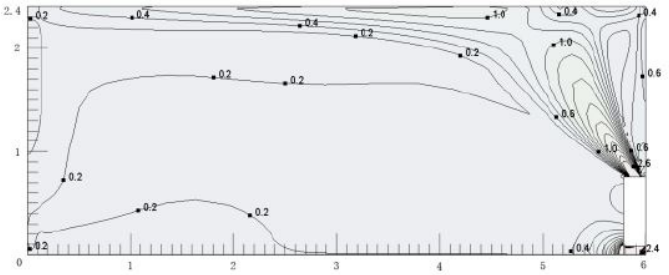
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D71 heating at 300S



Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D80 cooling at 300S

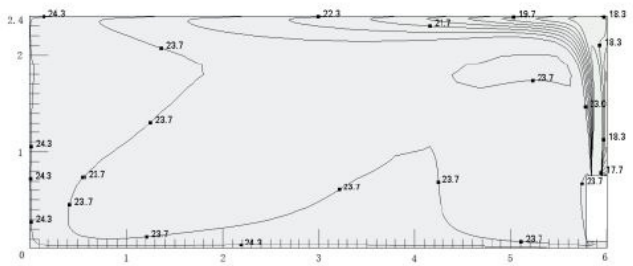


Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D80 heating at 300S

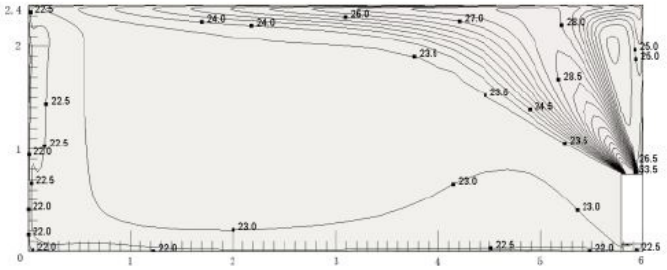


Temperature distributions (unit: °C)

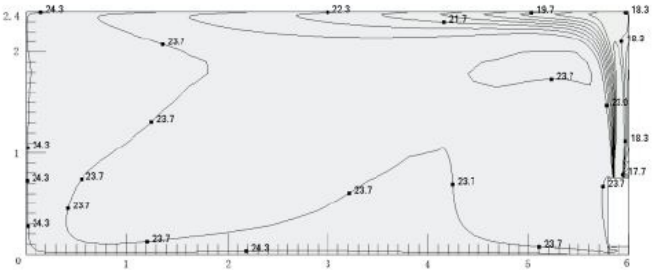
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D22 cooling at 300S



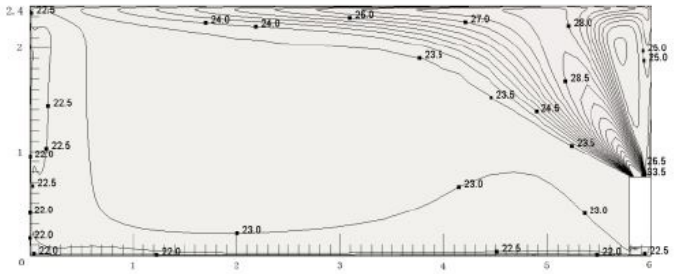
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D22 heating at 300S



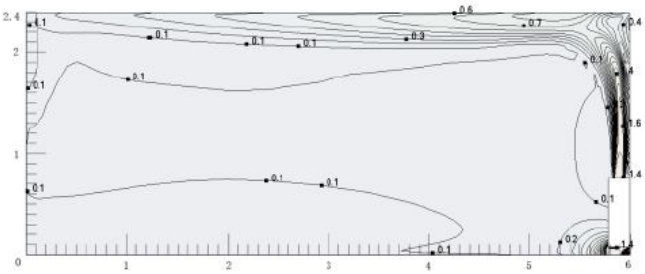
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D28 cooling at 300S



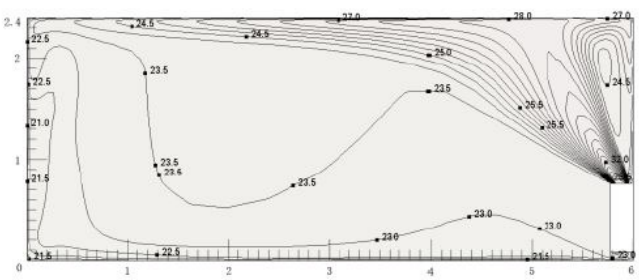
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D28 heating at 300S



Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D36 cooling at 300S

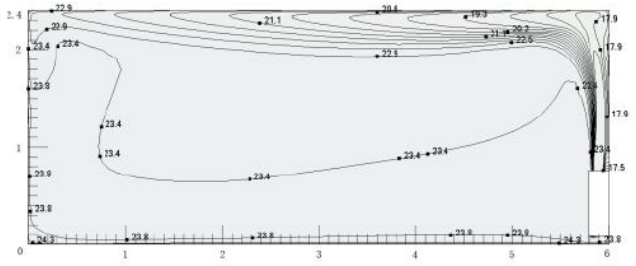


Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D36 heating at 300S

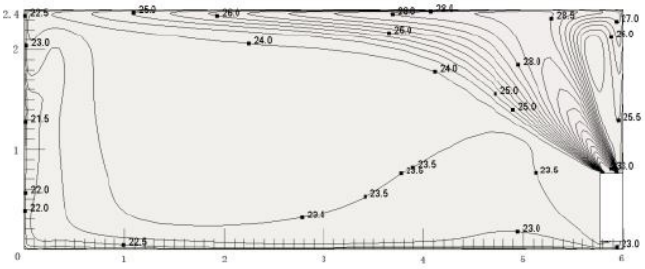


Temperature and Airflow Distributions

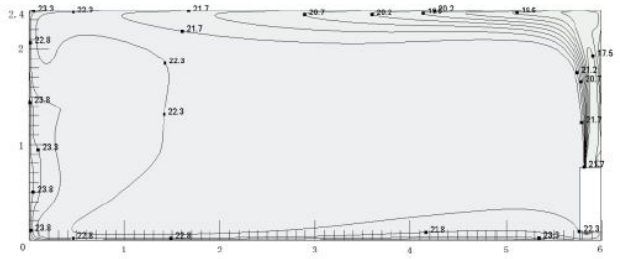
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D45 cooling at 300S



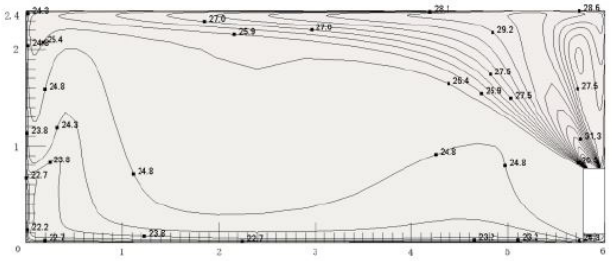
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D45 heating at 300S



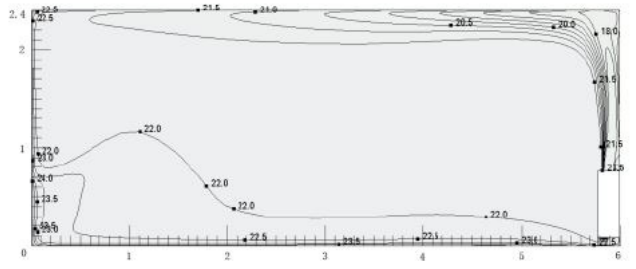
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D56 cooling at 300S



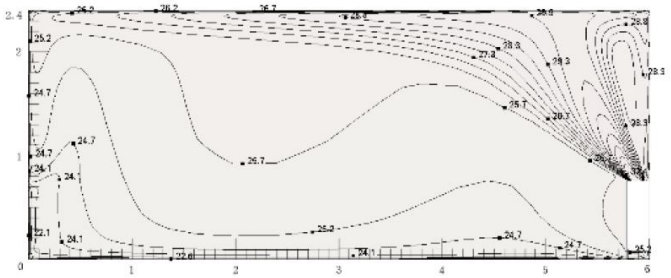
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D56 heating at 300S



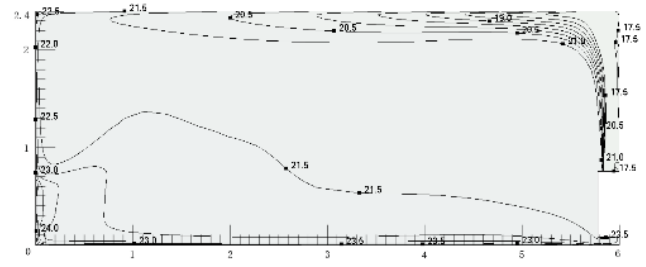
Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D71 cooling at 300S



Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D71 heating at 300S



Model: DZGF3B/DZDF4-2/DZDF5-2-XMi D80 cooling at 300S



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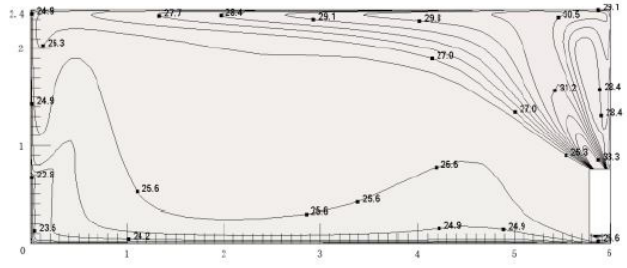

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