

T1 TYPE CEILING



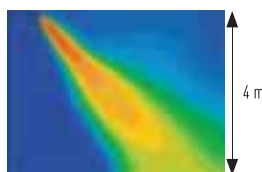
The T1 type ceiling mounted unit feature a DC fan motor for increased efficiency and reduced operating sound levels. All the units are the same height and depth for a uniform appearance in mixed installations and feature a fresh air knockout for improved air quality.

Technical focus

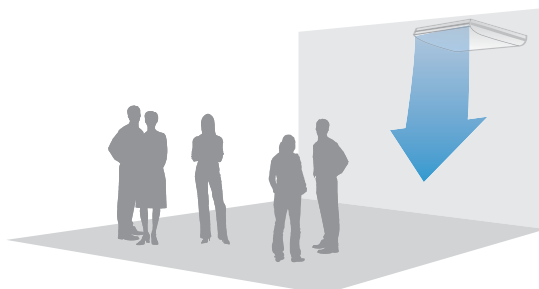
- Low sound levels
- New design, all units just 210 mm high
- Large and wide air distribution
- Easy to install and maintain
- Fresh air knockout

Further comfort improvement

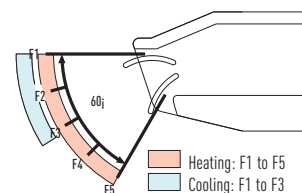
The wide air discharge opening widens the air flow to the left and the right, so that a comfortable temperature is obtained in the entire room. The unpleasant feeling caused when the air flow directly hits the human body is prevented by the "Draft prevention position", which changes the swing width, so that the degree of comfort is increased.



Further comfort improvement with airflow distribution



Air distribution is automatically altered depending on the operational mode of the unit



OPTIONAL CONTROLLER
Timer remote controller
CZ-RTC2



OPTIONAL CONTROLLER
Wireless remote controller
CZ-RWST2
CZ-RWSC2



OPTIONAL CONTROLLER
Simplified remote controller
CZ-RE2C2

MODEL NAME		S-36MT1E5	S-45MT1E5	S-56MT1E5	S-73MT1E5	S-106MT1E5	S-140MT1E5
Power source		230 V / 1 phase / 50 Hz					
Cooling capacity	kW	3.6	4.5	5.6	7.3	10.6	14.0
Cooling power input	W	29	29	32	43	74	86
Cooling operating current	A	0.24	0.24	0.26	0.35	0.57	0.63
Heating capacity	kW	4.2	5.0	6.3	8.0	11.4	16.0
Heating power input	W	28	28	31	42	73	85
Heating operating current	A	0.24	0.24	0.26	0.35	0.57	0.63
Fan	Type	Sirocco fan					
	Air flow rate (H/M/L)	m³/h	720 / 600 / 540	780 / 660 / 540	780 / 660 / 540	1,110 / 900 / 840	1,650 / 1,380 / 1,200
Sound pressure level (L/M/H)	dB(A)	30 / 32 / 35	30 / 33 / 36	30 / 33 / 36	33 / 36 / 38	35 / 38 / 41	37 / 40 / 43
Dimensions	H x W x D	mm	210 x 910 x 680	210 x 910 x 680	210 x 910 x 680	210 x 1,180 x 680	210 x 1,595 x 680
Pipe connections	Liquid	inches (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)
	Gas	inches (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.88)	5/8 (15.88)
	Drain piping		VP-20	VP-20	VP-20	VP-20	VP-20
Net weight	Kg	21	21	21	25	33	33

Energy saving	Environmentally friendly refrigerant	Easy maintenance	For more comfort	Perfect humidity control	Further comfort	Practical operation	Comfort everywhere	Easy control
INVERTER+	R410A	SELF-DIAGNOSING	AUTOMATIC FAN	MILD DRY	AUTO-FLAP CONTROL	AUTOMATIC RESTART	AIR SWEEP	CONNECTIVITY

Rating Conditions: Cooling Indoor 27 °C DB / 19 °C WB. Cooling Outdoor 35 °C DB / 24 °C WB. Heating Indoor 20 °C DB. Cooling Outdoor 7 °C DB / 6 °C WB.
DB: Dry Bulb; WB: Wet Bulb

6. Ceiling Type (T1 Type)

6-1. Specifications

Unit specifications (A)

MODEL No.	Indoor Unit		S-36MT1E5					
POWER SOURCE			220 - 230 - 240 V, single-phase, 50/60 Hz					
PERFORMANCE			Cooling			Heating		
Capacity	kW		3.6			4.2		
	BTU / h		12,000			14,000		
Air circulation (Hi / Me / Lo)		m ³ / h	720 / 600 / 540					
Moisture removal (High)		Liters / h	1.4			-		
ELECTRICAL RATINGS								
Voltage rating		V	220	230	240	220	230	240
Available voltage range		V	198 - 264			198 - 264		
Running amperes		A	0.26	0.24	0.23	0.26	0.24	0.23
Power input		W	28	29	39	28	28	29
Power factor		%	49	53	53	49	51	53
Max. starting amperes		A	2	2	2	2	2	2
FEATURES								
Controls		Microprocessor						
Timer		ON / OFF Timer (Max. 72 hr)						
Fan speeds		3 and Automatic control						
Air filter		Washable, easy access, long life (2,500 hr)						
Refrigerant control		Electronic expansion valve						
Operation sound (Hi / Me / Lo)		dB-A	35 / 32 / 30					
Refrigerant tubing connections		Flare type						
Refrigerant tube diameter	Liquid tube	mm (in.)	6.35 (1 / 4)					
	Gas tube	mm (in.)	12.7 (1 / 2)					
Drain connection		20 A, OD26 mm						
Remote controller		Optional (Wired / Wireless)						
Refrigerant tubing kit / Accessories		Optional / -						
Color (Approximate value)		Munsell 10Y 9.0 / 0.4, RAL 9010-GL						
DIMENSIONS & WEIGHT			Unit dimensions			Package dimensions		
Unit dimensions	Height	mm (in.)	210 (8-9 / 32)			280 (11-1 / 32)		
	Width	mm (in.)	910 (35-13 / 16)			958 (37-23 / 32)		
	Depth	mm (in.)	680 (26-25 / 32)			780 (30-23 / 32)		
Net weight		kg (lbs.)	21 (46)					
Shipping weight		kg (lbs.)	24 (53)					
Shipping volume		m ³ (cu.ft)	0.215 (7.6)					

DATA SUBJECT TO CHANGE WITHOUT NOTICE.

Rated conditions

Cooling: Indoor air temperature 27°C DB / 19°C WB; Outdoor air temperature 35°C DB

Heating: Indoor air temperature 20°C DB; Outdoor air temperature 7°C DB / 6°C WB

6. Ceiling Type (T1 Type)

Unit specifications (B)

MODEL No.	Indoor Unit		S-45MT1E5					
POWER SOURCE			220 - 230 - 240 V, single-phase, 50/60 Hz					
PERFORMANCE			Cooling			Heating		
Capacity	kW		4.5			5.0		
	BTU / h		15,000			17,000		
Air circulation (Hi / Me / Lo)		m ³ / h	780 / 660 / 540					
Moisture removal (High)		Liters / h	1.4			-		
ELECTRICAL RATINGS								
Voltage rating		V	220	230	240	220	230	240
Available voltage range		V	198 - 264			198 - 264		
Running amperes		A	0.26	0.24	0.23	0.26	0.24	0.23
Power input		W	28	29	29	28	28	29
Power factor		%	49	53	53	49	51	53
Max. starting amperes		A	2	2	2	2	2	2
FEATURES								
Controls		Microprocessor						
Timer		ON / OFF Timer (Max. 72 hr)						
Fan speeds		3 and Automatic control						
Air filter		Washable, easy access, long life (2,500 hr)						
Refrigerant control		Electronic expansion valve						
Operation sound (Hi / Me / Lo)		dB-A	36 / 33 / 30					
Refrigerant tubing connections		Flare type						
Refrigerant tube diameter	Liquid tube	mm (in.)	6.35 (1 / 4)					
	Gas tube	mm (in.)	12.7 (1 / 2)					
Drain connection		20 A, OD26 mm						
Remote controller		Optional (Wired / Wireless)						
Refrigerant tubing kit / Accessories		Optional / -						
Color (Approximate value)		Munsell 10Y 9.0 / 0.4, RAL 9010-GL						
DIMENSIONS & WEIGHT			Unit dimensions			Package dimensions		
Unit dimensions	Height	mm (in.)	210 (8-9 / 32)			280 (11-1 / 32)		
	Width	mm (in.)	910 (35-13 / 16)			958 (37-23 / 32)		
	Depth	mm (in.)	680 (26-25 / 32)			780 (30-23 / 32)		
Net weight		kg (lbs.)	21 (46)					
Shipping weight		kg (lbs.)	24 (53)					
Shipping volume		m ³ (cu.ft)	0.215 (7.6)					

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Rated conditions

Cooling: Indoor air temperature 27°C DB / 19°C WB; Outdoor air temperature 35°C DB

Heating: Indoor air temperature 20°C DB; Outdoor air temperature 7°C DB / 6°C WB

6. Ceiling Type (T1 Type)

Unit specifications (C)

MODEL No.	Indoor Unit		S-56MT1E5					
POWER SOURCE			220 - 230 - 240 V, single-phase, 50/60 Hz					
PERFORMANCE			Cooling			Heating		
Capacity	kW		5.6			6.3		
	BTU / h		19,000			21,000		
Air circulation (Hi / Me / Lo)		m ³ / h	780 / 660 / 540					
Moisture removal (High)		Liters / h	2.0			-		
ELECTRICAL RATINGS								
Voltage rating		V	220	230	240	220	230	240
Available voltage range		V	198 - 264			198 - 264		
Running amperes		A	0.28	0.26	0.24	0.28	0.26	0.25
Power input		W	31	32	32	31	31	32
Power factor		%	50	54	56	50	52	53
Max. starting amperes		A	2	2	2	2	2	2
FEATURES								
Controls		Microprocessor						
Timer		ON / OFF Timer (Max. 72 hr)						
Fan speeds		3 and Automatic control						
Air filter		Washable, easy access, long life (2,500 hr)						
Refrigerant control		Electronic expansion valve						
Operation sound (Hi / Me / Lo)		dB-A	36 / 33 / 30					
Refrigerant tubing connections		Flare type						
Refrigerant tube diameter	Liquid tube	mm (in.)	6.35 (1 / 4)					
	Gas tube	mm (in.)	12.7 (1 / 2)					
Drain connection		20 A, OD26 mm						
Remote controller		Optional (Wired / Wireless)						
Refrigerant tubing kit / Accessories		Optional / -						
Color (Approximate value)		Munsell 10Y 9.0 / 0.4, RAL 9010-GL						
DIMENSIONS & WEIGHT			Unit dimensions			Package dimensions		
Unit dimensions	Height	mm (in.)	210 (8-9 / 32)			280 (11-1 / 32)		
	Width	mm (in.)	910 (35-13 / 16)			958 (37-23 / 32)		
	Depth	mm (in.)	680 (26-25 / 32)			780 (30-23 / 32)		
Net weight		kg (lbs.)	21 (46)					
Shipping weight		kg (lbs.)	24 (53)					
Shipping volume		m ³ (cu.ft)	0.215 (7.6)					

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Rated conditions

Cooling: Indoor air temperature 27°C DB / 19°C WB; Outdoor air temperature 35°C DB

Heating: Indoor air temperature 20°C DB; Outdoor air temperature 7°C DB / 6°C WB

6. Ceiling Type (T1 Type)

Unit specifications (D)

MODEL No.	Indoor Unit		S-73MT1E5					
POWER SOURCE			220 - 230 - 240 V, single-phase, 50/60 Hz					
PERFORMANCE			Cooling			Heating		
Capacity	kW		7.3			8.0		
	BTU / h		25,000			27,000		
Air circulation (Hi / Me / Lo)		m ³ / h	1110 / 900 / 840					
Moisture removal (High)		Liters / h	3.0			-		
ELECTRICAL RATINGS								
Voltage rating		V	220	230	240	220	230	240
Available voltage range		V	198 - 264			198 - 264		
Running amperes		A	0.38	0.35	0.33	0.38	0.35	0.34
Power input		W	43	43	44	42	42	43
Power factor		%	51	53	56	50	52	53
Max. starting amperes		A	2	2	2	2	2	2
FEATURES								
Controls		Microprocessor						
Timer		ON / OFF Timer (Max. 72 hr)						
Fan speeds		3 and Automatic control						
Air filter		Washable, easy access, long life (2,500 hr)						
Refrigerant control		Electronic expansion valve						
Operation sound (Hi / Me / Lo)		dB-A	38 / 36 / 33					
Refrigerant tubing connections		Flare type						
Refrigerant tube diameter	Liquid tube	mm (in.)	9.52 (3 / 8)					
	Gas tube	mm (in.)	15.88 (5 / 8)					
Drain connection		20 A, OD26 mm						
Remote controller		Optional (Wired / Wireless)						
Refrigerant tubing kit / Accessories		Optional / -						
Color (Approximate value)		Munsell 10Y 9.0 / 0.4, RAL 9010-GL						
DIMENSIONS & WEIGHT			Unit dimensions			Package dimensions		
Unit dimensions	Height	mm (in.)	210 (8-9 / 32)			280 (11-1 / 32)		
	Width	mm (in.)	1180 (46-15 / 32)			1255 (49-13 / 32)		
	Depth	mm (in.)	680 (26-25 / 32)			780 (30-23 / 32)		
Net weight		kg (lbs.)	25 (55)					
Shipping weight		kg (lbs.)	28 (62)					
Shipping volume		m ³ (cu.ft)	0.274 (9.7)					

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Rated conditions

Cooling: Indoor air temperature 27°C DB / 19°C WB; Outdoor air temperature 35°C DB

Heating: Indoor air temperature 20°C DB; Outdoor air temperature 7°C DB / 6°C WB

6. Ceiling Type (T1 Type)

Unit specifications (E)

MODEL No.	Indoor Unit		S-106MT1E5					
POWER SOURCE			220 - 230 - 240 V, single-phase, 50/60 Hz					
PERFORMANCE			Cooling			Heating		
Capacity	kW		10.6			11.4		
	BTU / h		36,000			39,000		
Air circulation (Hi / Me / Lo)		m ³ / h	1650 / 1380 / 1200					
Moisture removal (High)		Liters / h	3.9			-		
ELECTRICAL RATINGS								
Voltage rating		V	220	230	240	220	230	240
Available voltage range		V	198 - 264			198 - 264		
Running amperes		A	0.62	0.57	0.53	0.62	0.57	0.55
Power input		W	73	74	75	72	73	74
Power factor		%	54	56	59	53	56	56
Max. starting amperes		A	3	3	3	3	3	3
FEATURES								
Controls		Microprocessor						
Timer		ON / OFF Timer (Max. 72 hr)						
Fan speeds		3 and Automatic control						
Air filter		Washable, easy access, long life (2,500 hr)						
Refrigerant control		Electronic expansion valve						
Operation sound (Hi / Me / Lo)		dB-A	41 / 38 / 35					
Refrigerant tubing connections		Flare type						
Refrigerant tube diameter	Liquid tube	mm (in.)	9.52 (3 / 8)					
	Gas tube	mm (in.)	15.88 (5 / 8)					
Drain connection		20 A, OD26 mm						
Remote controller		Optional (Wired / Wireless)						
Refrigerant tubing kit / Accessories		Optional / -						
Color (Approximate value)		Munsell 10Y 9.0 / 0.4, RAL 9010-GL						
DIMENSIONS & WEIGHT			Unit dimensions			Package dimensions		
Unit dimensions	Height	mm (in.)	210 (8-9 / 32)			280 (11-1 / 32)		
	Width	mm (in.)	1595 (62-25 / 32)			1670 (65-3 / 4)		
	Depth	mm (in.)	680 (26-25 / 32)			780 (30-23 / 32)		
Net weight		kg (lbs.)	33 (73)					
Shipping weight		kg (lbs.)	37 (82)					
Shipping volume		m ³ (cu.ft)	0.365 (12.9)					

DATA SUBJECT TO CHANGE WITHOUT NOTICE.

Rated conditions

Cooling: Indoor air temperature 27°C DB / 19°C WB; Outdoor air temperature 35°C DB

Heating: Indoor air temperature 20°C DB; Outdoor air temperature 7°C DB / 6°C WB

6. Ceiling Type (T1 Type)

Unit specifications (F)

MODEL No.	Indoor Unit		S-140MT1E5					
POWER SOURCE			220 - 230 - 240 V, single-phase, 50/60 Hz					
PERFORMANCE			Cooling			Heating		
Capacity	kW		14.0			16.0		
	BTU / h		47,800			54,600		
Air circulation (Hi / Me / Lo)		m ³ / h	1800 / 1560 / 1320					
Moisture removal (High)		Liters / h	5.6			-		
ELECTRICAL RATINGS								
Voltage rating		V	220	230	240	220	230	240
Available voltage range		V	198 - 264			198 - 264		
Running amperes		A	0.69	0.63	0.60	0.69	0.63	0.62
Power input		W	85	86	88	84	85	86
Power factor		%	56	59	61	55	59	58
Max. starting amperes		A	3	3	3	3	3	3
FEATURES								
Controls			Microprocessor					
Timer			ON / OFF Timer (Max. 72 hr)					
Fan speeds			3 and Automatic control					
Air filter			Washable, easy access, long life (2,500 hr)					
Refrigerant control			Electronic expansion valve					
Operation sound (Hi / Me / Lo)		dB-A	43 / 40 / 37					
Refrigerant tubing connections			Flare type					
Refrigerant tube diameter	Liquid tube	mm (in.)	9.52 (3 / 8)					
	Gas tube	mm (in.)	15.88 (5 / 8)					
Drain connection			20 A, OD26 mm					
Remote controller			Optional (Wired / Wireless)					
Refrigerant tubing kit / Accessories			Optional / -					
Color (Approximate value)			Munsell 10Y 9.0 / 0.4, RAL 9010-GL					
DIMENSIONS & WEIGHT			Unit dimensions			Package dimensions		
Unit dimensions	Height	mm (in.)	210 (8-9 / 32)			280 (11-1 / 32)		
	Width	mm (in.)	1595 (62-25 / 32)			1670 (65-3 / 4)		
	Depth	mm (in.)	680 (26-25 / 32)			780 (30-23 / 32)		
Net weight		kg (lbs.)	33 (73)					
Shipping weight		kg (lbs.)	37 (82)					
Shipping volume		m ³ (cu.ft)	0.365 (12.9)					

DATA SUBJECT TO CHANGE WITHOUT NOTICE.

Rated conditions

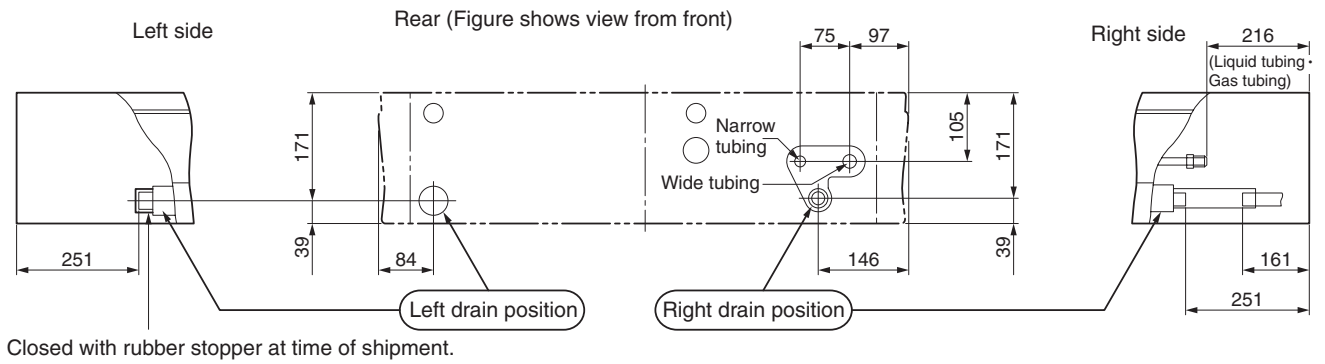
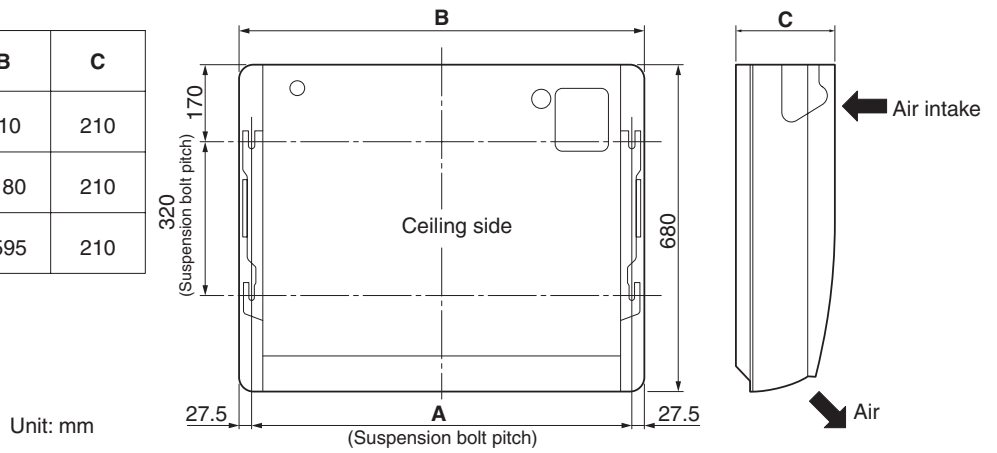
Cooling: Indoor air temperature 27°C DB / 19°C WB; Outdoor air temperature 35°C DB

Heating: Indoor air temperature 20°C DB; Outdoor air temperature 7°C DB / 6°C WB

6. Ceiling Type (T1 Type)

6-3. Dimensional Data

Type \ Length	A	B	C
S-36MT1E5, 45MT1E5, 56MT1E5	855	910	210
S-73MT1E5	1125	1180	210
S-106MT1E5, 140MT1E5	1540	1595	210

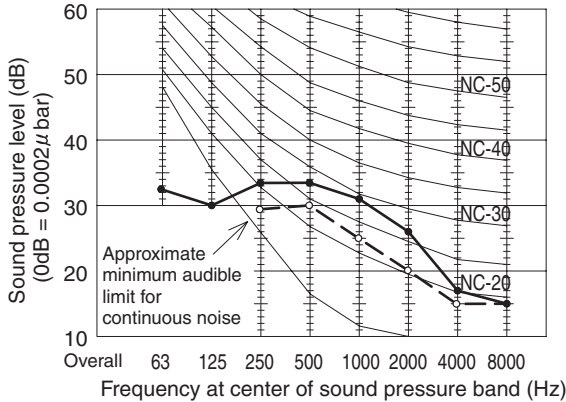


6. Ceiling Type (T1 Type)

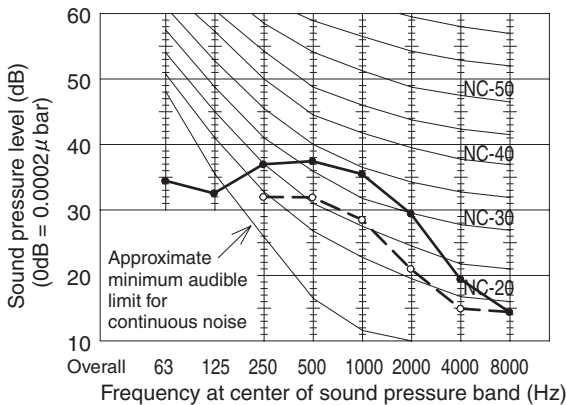
6-4. Noise Criterion Curves

Both 50Hz and 60Hz
 —●— Strong
 -○- Weak

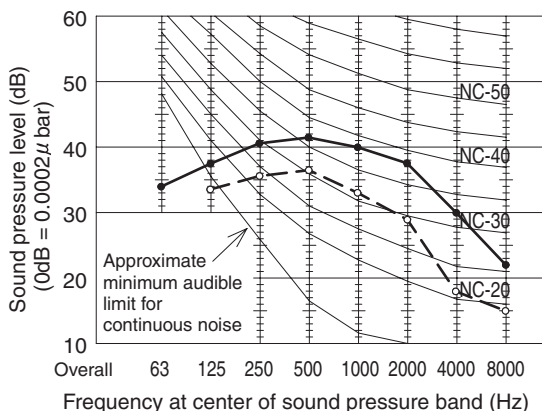
MODEL	: S-36MT1E5
SOUND LEVEL : STRONG	35 dB(A)
HIGH	32 dB(A)
LOW	30 dB(A)
CONDITION	: 1 m from front of outlet at height of 1.5 m



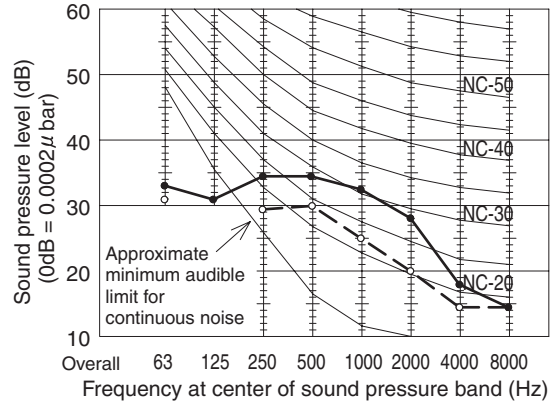
MODEL	: S-73MT1E5
SOUND LEVEL : STRONG	38 dB(A)
HIGH	36 dB(A)
LOW	33 dB(A)
CONDITION	: 1 m from front of outlet at height of 1.5 m



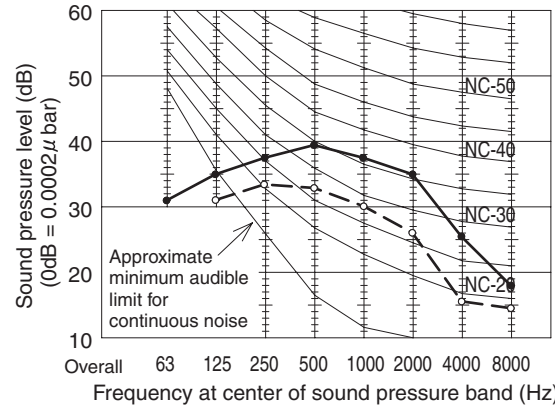
MODEL	: S-140MT1E5
SOUND LEVEL : STRONG	43 dB(A)
HIGH	40 dB(A)
LOW	37 dB(A)
CONDITION	: 1 m from front of outlet at height of 1.5 m



MODEL	: S-45MT1E5 / 56MT1E5
SOUND LEVEL : STRONG	36 dB(A)
HIGH	33 dB(A)
LOW	30 dB(A)
CONDITION	: 1 m from front of outlet at height of 1.5 m



MODEL	: S-106MT1E5
SOUND LEVEL : STRONG	41 dB(A)
HIGH	38 dB(A)
LOW	35 dB(A)
CONDITION	: 1 m from front of outlet at height of 1.5 m

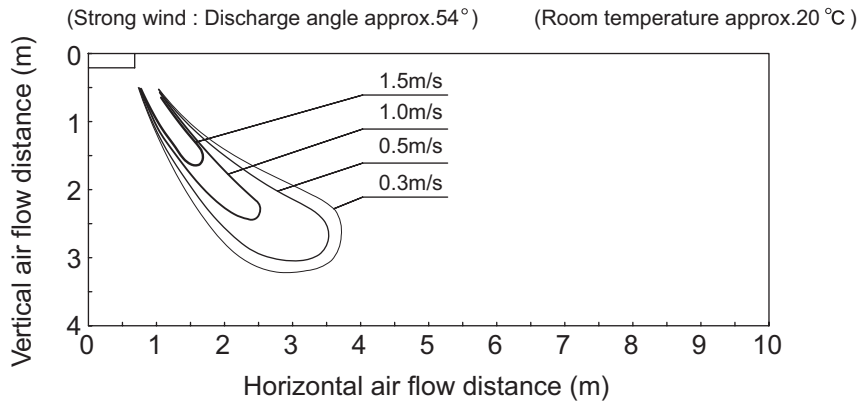


6. Ceiling Type (T1 Type)

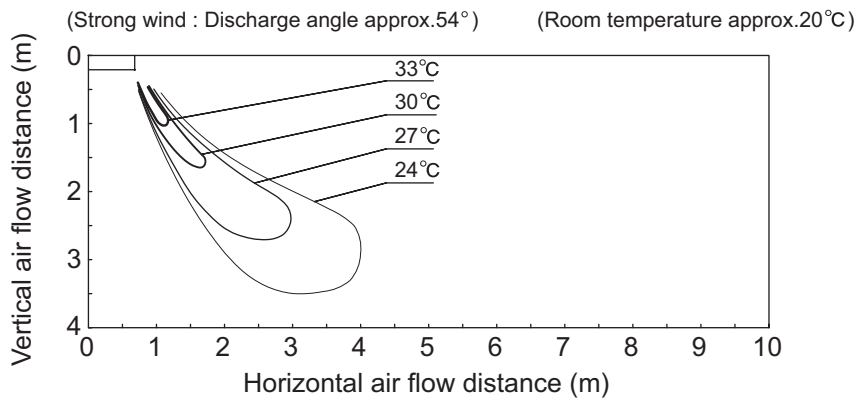
6-5. Air Flow Distance / Temperature Chart

S-36MT1E5 / 45MT1E5 / 56MT1E5

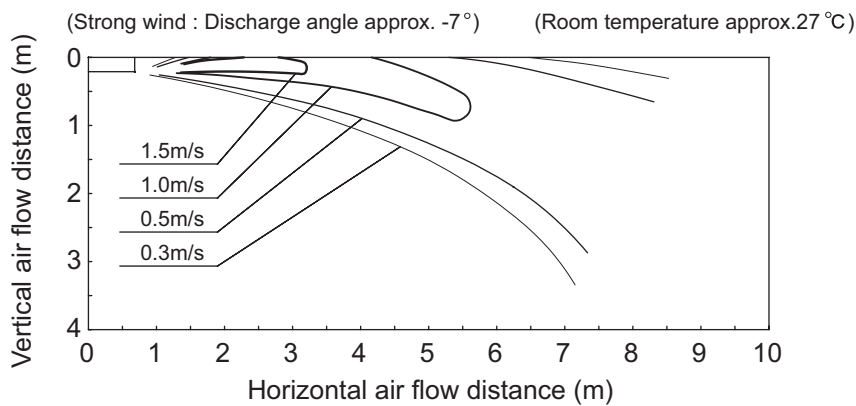
Heating : Distribution of wind velocity



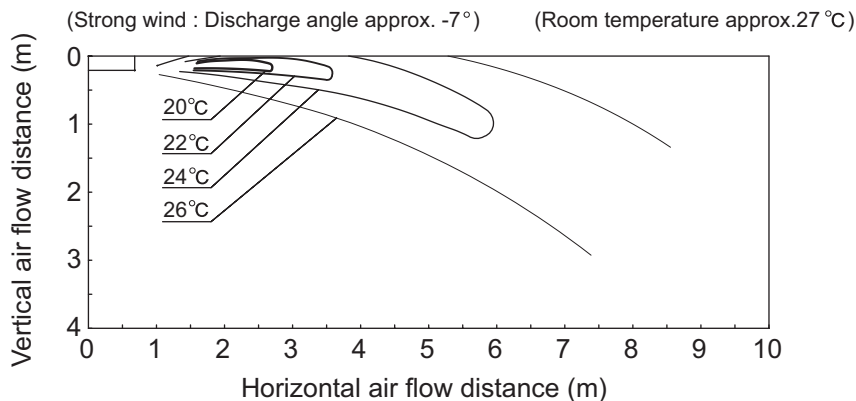
Heating : Distribution of temperature



Cooling : Distribution of wind velocity



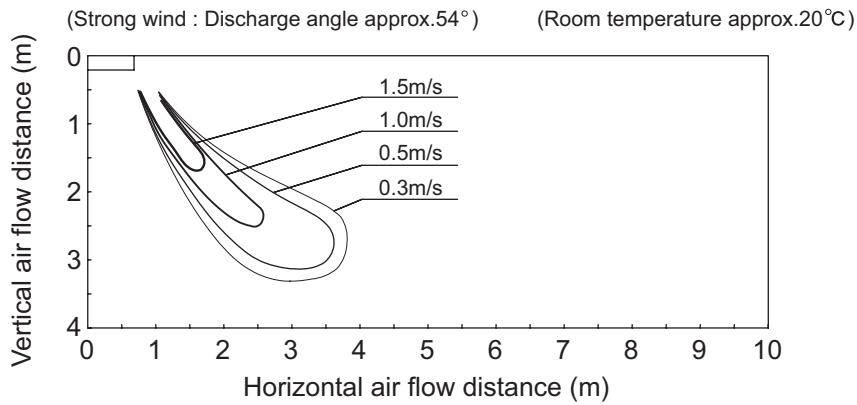
Cooling : Distribution of temperature



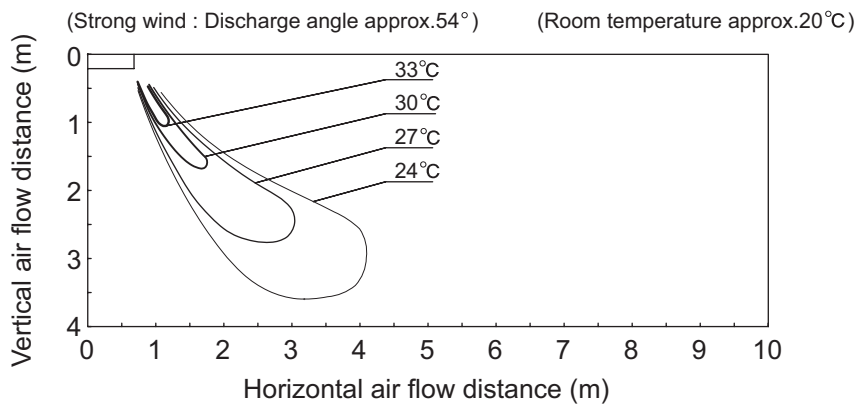
6. Ceiling Type (T1 Type)

S-73MT1E5 / 106MT1E5

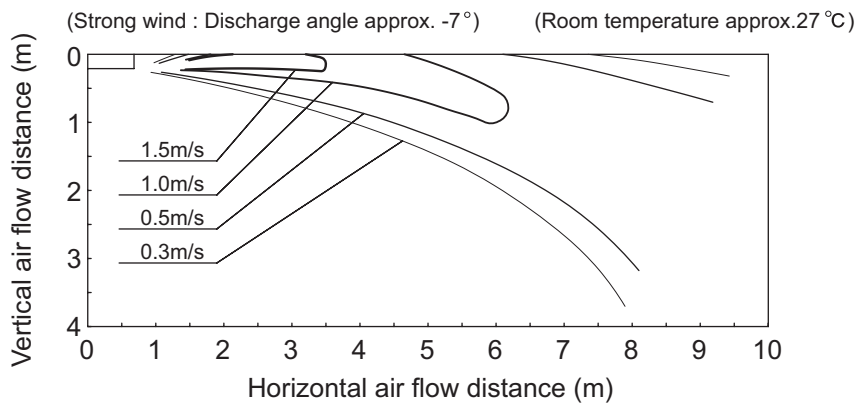
Heating : Distribution of wind velocity



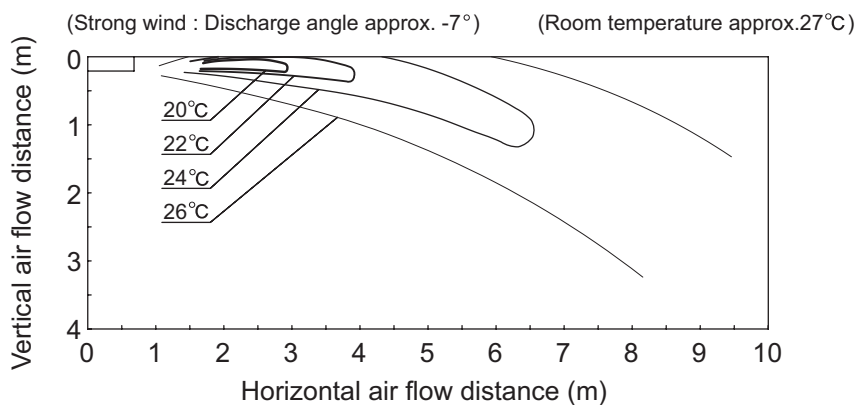
Heating : Distribution of temperature



Cooling : Distribution of wind velocity



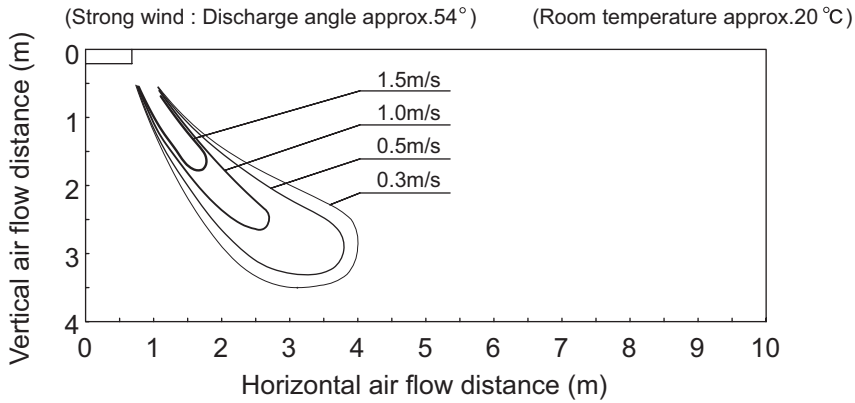
Cooling : Distribution of temperature



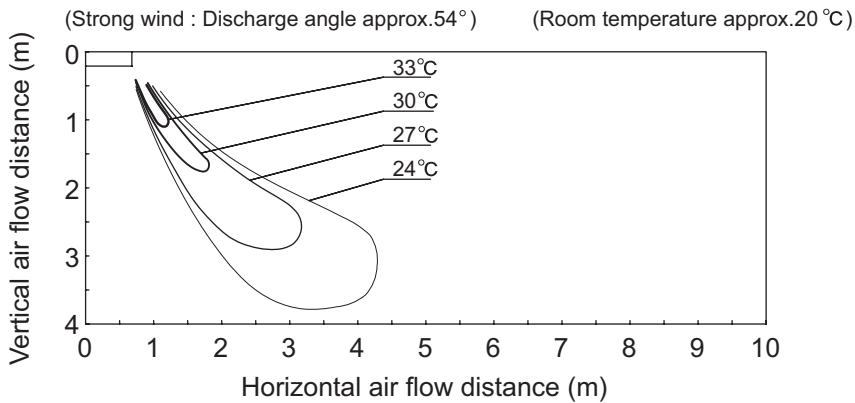
6. Ceiling Type (T1 Type)

S-140MT1E5

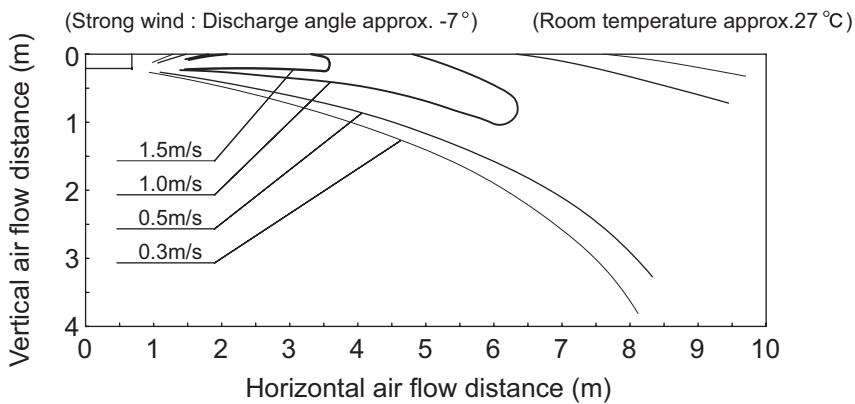
Heating : Distribution of wind velocity



Heating : Distribution of temperature



Cooling : Distribution of wind velocity



Cooling : Distribution of temperature

