

NEW
2021

NEW K2 Type wall-mounted • R32/R410A

The wall-mounted unit has a stylish smooth panel that looks good and easy to clean.

The unit is also smaller, lighter and substantially quieter than previous models making it ideal for small offices and other commercial applications.

COMPATIBLE WITH ALL PANASONIC CONNECTIVITY SOLUTIONS. FOR DETAILED INFORMATION GO TO THE CONTROL SYSTEMS SECTION

Model			S-15MK2E5B	S-22MK2E5B	S-28MK2E5B	S-36MK2E5B	S-45MK2E5B	S-56MK2E5B	S-73MK2E5B	S-106MK2E5B
Cooling capacity		kW	1,5	2,2	2,8	3,6	4,5	5,6	7,3	10,6
Input power cooling		W	25,00	25,00	25,00	30,00	30,00	35,00	55,00	80,00
Operating current cooling		A	0,20	0,21	0,23	0,25	0,32	0,35	0,51	0,70
Heating capacity		kW	1,7	2,5	3,2	4,2	5,0	6,3	8,0	11,4
Input power heating		W	25,00	25,00	25,00	30,00	30,00	35,00	55,00	80,00
Operating current heating		A	0,20	0,21	0,23	0,25	0,32	0,35	0,51	0,70
Fan type			Cross flow	Cross flow	Cross flow	Cross flow	Cross flow	Cross flow	Cross flow	Cross flow
Air flow	Cool (Hi / Med / Lo)	m³/min	7,90/7,40/ 6,50	9,00/7,50/ 6,50	9,50/8,30/ 6,50	10,90/9,00/ 6,50	14,50/12,50/ 10,00	16,00/14,00/ 12,00	19,50/17,00/ 14,00	21,50/18,50/ 15,00
	Heat (Hi / Med / Lo)	m³/min	9,00/7,70/ 6,80	9,20/8,30/ 6,80	9,70/8,50/ 6,80	11,20/9,50/ 6,80	14,50/12,50/ 10,00	16,00/14,00/ 12,00	19,50/17,00/ 14,00	21,50/18,50/ 15,00
Sound pressure	Hi / Med / Lo	dB(A)	34/32/29	36/33/29	37/34/29	40/36/29	38/35/33	40/37/35	47/44/40	49/46/42
Sound power	Hi / Med / Lo	dB(A)	49/47/44	51/48/44	52/49/44	55/51/44	53/50/48	55/52/50	62/59/55	64/61/57
Dimension	H x W x D	mm	290 x 870 x 214	290 x 870 x 214	290 x 870 x 214	290 x 870 x 214	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	9	9	9	9	13	13	14	14
Pipe diameter	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52) ¹⁾	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88) ¹⁾	5/8 (15,88)

Accessories

CZ-RTC6	CONEX wired remote controller (non-wireless)
CZ-RTC6BL	CONEX wired remote controller with Bluetooth®
CZ-RTC5B	Wired remote controller with Econavi function
CZ-RWS3	Infrared remote controller
PAW-RE2C4	Wired remote controller for hotel application

Accessories

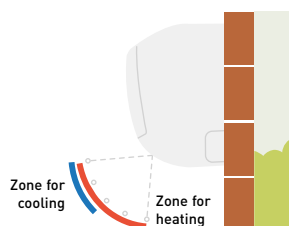
CZ-CENSC1	Econavi energy savings sensor
CZ-P56SVK2	External valve for model sizes 15 to 56
CZ-P160SVK2	External valve for model sizes 73 to 106
CZ-CGLSC1	R32 refrigerant leak detector

1) When the pipe diameter is [Liquid] Ø6,35(1/4) - [Gas] Ø12,7(1/2), connect the liquid socket tube (Ø6,35 - Ø9,52) to the liquid tubing side indoor unit and connect the gas socket tube (Ø12,7 - Ø15,88) to the gas tubing side indoor unit.

Technical focus

- Light and small units make the installation easy
- Quiet operation
- Smooth and durable design
- Piping outlet in six directions
- Air distribution is automatically altered depending on the operational mode

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

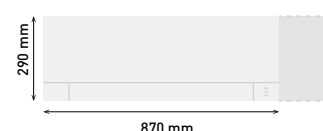


Quiet operation

These units are among the quietest in the industry, making them ideal for hotels and hospitals.

Lighter and smaller units

Light and small units make the installation easy. When the unit is turned OFF, the flap closes completely to prevent entry of dust into the unit and to keep the equipment clean.



Piping outlet in six directions

Piping outlet is possible in the six directions of right, right rear, right bottom, left, left rear and left bottom, making the installation work easier.



External valve (optional)

CZ-P56SVK2 (model sizes 15 to 56)
CZ-P160SVK2 (model sizes 73 ¹⁾ to 106)



1) When the pipe diameter is liquid 1/4 (6,35) and gas 1/2 (12,70), use CZ-P56SVK2



ECONAVI and INTERNET CONTROL: Optional.

Rating Conditions: Cooling Indoor 27 °C DB / 19 °C WB, Cooling Outdoor 35 °C DB / 24 °C WB, Heating Indoor 20 °C DB, Heating Outdoor 7 °C DB / 6 °C WB. [DB: Dry Bulb; WB: Wet Bulb]. Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

4. Slim Low Static Ducted (Type M1)

4-1. Specifications

Unit Specifications (A)

INDOOR			MODEL		S-15MM1E5B			S-22MM1E5B			S-28MM1E5B			
PANEL			MODEL		-									
Performance test condition					ISO15042 /EN14511 / EN12102									
Power supply			ø, Hz		1ø 50/60Hz			1ø 50/60Hz			1ø 50/60Hz			
			V		220V	230V	240V	220V	230V	240V	220V	230V	240V	
C O O L I N G	Capacity	kW		1.5	1.5	1.5	2.2	2.2	2.2	2.8	2.8	2.8		
		BTU/h		5100	5100	5100	7500	7500	7500	9600	9600	9600		
		Sensible	kW	1.5	1.5	1.5	1.8	1.8	1.8	2.1	2.1	2.1		
		Latent	kW	0.0	0.0	0.0	0.4	0.4	0.4	0.7	0.7	0.7		
	Current		A		0.26	0.26	0.26	0.26	0.26	0.26	0.30	0.30	0.30	
	Input power		W		36			36			40			
	Annual consumption		W ^{*4}		-	-	-	-	-	-	-	-	-	
	EER/EER CLASS		TOTAL(W/W) ⁵ /(A*~*G*)		-	-	-	-	-	-	-	-	-	
	EER		BTU/hW		-	-	-	-	-	-	-	-	-	
	Power factor		%		-	-	-	-	-	-	-	-	-	
Noise indoor ^{*6}	dB-A (H/M/L)		28/27/25 <30/29/27> ^{*6}					28/27/25 <30/29/27> ^{*6}			30/29/27 <32/31/29> ^{*6}			
	Power Level dB		43/42/40					43/42/40			45/44/42			
	dB-A (H/L)		-					-			-			
	Power Level dB		-					-			-			
H E A T I N G	Capacity	kW		1.7	1.7	1.7	2.5	2.5	2.5	3.2	3.2	3.2		
		BTU/h		5800	5800	5800	8500	8500	8500	10900	10900	10900		
	Current		A		0.23	0.23	0.23	0.23	0.23	0.23	0.27	0.27	0.27	
	Input power		W		26			26			30			
	COP/COP CLASS		TOTAL(W/W) ⁵ /(A*~*G*)		-	-	-	-	-	-	-	-	-	
	COP		BTU/hW		-	-	-	-	-	-	-	-	-	
	Power factor		%		-	-	-	-	-	-	-	-	-	
	Noise indoor ^{*6}	dB-A (H/M/L)		28/27/25 <30/29/27> ^{*6}					28/27/25 <30/29/27> ^{*6}			30/29/27 <32/31/29> ^{*6}		
		Power Level dB		43/42/40					43/42/40			45/44/42		
	Noise outdoor	dB-A (H/L)		-					-			-		
Power Level dB		-					-			-				
EXTRALOW TEMP	Capacity(kW)/Input power(W)/COP				-			-			-			
Cooling	Max Current(A)/Max Input power(W)				0.43/55	0.43/55	0.43/55	0.43/55	0.43/55	0.43/55	0.46/55	0.46/55	0.46/55	
Heating	Max Current(A)/Max Input power(W)				0.40/45	0.40/45	0.40/45	0.40/45	0.40/45	0.40/45	0.43/45	0.43/45	0.43/45	
Starting current(A)/Comp output(W)					-	-	-	-	-	-	-	-	-	
Network Impedance(QMAX.)					-			-			-			
Fan motor output (Indoor/Outdoor) W					60	/	-	60	/	-	60	/	-	
Moisture removal volume			L/h		0.1			0.6			1.1			
External static pressure			Pa		10 <30> ^{*6}			10 <30> ^{*6}			15 <30> ^{*6}			
Indoor air flow	Cooling	m³/min (H/M/L)		8.0/7.0/6.0			8.0/7.0/6.0			8.5/7.5/6.5				
	Heating	m³/min (H/M/L)		8.0/7.0/6.0			8.0/7.0/6.0			8.5/7.5/6.5				
Outdoor air flow	Cooling	m³/min		-			-			-				
	Heating	m³/min		-			-			-				
Refrigerant type					R410A, R32			R410A, R32			R410A, R32			
Product dimension	Height		mm		200			200			200			
	Width		mm		750			750			750			
	Depth		mm		640			640			640			
Product dimension(PANEL)			H×W×D		mm		-							
Packing dimension	Height		mm		218			218			218			
	Width		mm		1050			1050			1050			
	Depth		mm		758			758			758			
Weight	(NET)		kg		19			19			19			
	(GROSS)		kg		25			25			25			
	Panel (NET)		kg		-									
Layers limit (actually)					13 (14)			13 (14)			13 (14)			
Operation condition	Cool (DBT)				-			-			-			
	Heat (DBT)				-			-			-			
P I P E I N G	Pipe port diameter mm (inch)				(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)		(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)		(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)		(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)			
	Pipe diameter mm (inch)				(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)		(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)		(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)		(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)			
	Connect method, Standard length m				flared type			flared type			flared type			
	Pipe length range m				~ (~)			~ (~)			~ (~)			
	Indoor unit & Outdoor unit height difference m				-			-			-			
	Add gas amount g/m				-			-			-			
Pipe length for additional gas m					-			-			-			

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230V shall be used.

*3: Network Impedance shall be applicable for EUROPE and CHINA models.

*4: The annual consumption is calculated by multiplying the input power at 230V(400V) by an average of 500 hours per year in cooling mode.

*5: EER and COP classification is at 230V(400V) only in accordance with EU directive 2002/31/EC.

*6: H: High at setting 5 stage (Level 5), M: Middle at setting 5 stage (Level 3), L: Low at setting 5 stage (Level 1)

4. Slim Low Static Ducted (Type M1)

Unit Specifications (B)

INDOOR			MODEL		S-36MM1E5B			S-45MM1E5B			S-56MM1E5B			
PANEL			MODEL		-									
Performance test condition					ISO15042 /EN14511 / EN12102									
Power supply			ø, Hz		1ø 50/60Hz			1ø 50/60Hz			1ø 50/60Hz			
			V		220V	230V	240V	220V	230V	240V	220V	230V	240V	
C O O L I N G	Capacity	kW		3.6	3.6	3.6	4.5	4.5	4.5	5.6	5.6	5.6		
		BTU/h		12300	12300	12300	15400	15400	15400	19100	19100	19100		
		Sensible	kW	2.6	2.6	2.6	3.1	3.1	3.1	3.8	3.8	3.8		
		Latent	kW	1.0	1.0	1.0	1.4	1.4	1.4	1.8	1.8	1.8		
	Current		A		0.31	0.31	0.31	0.37	0.37	0.37	0.48	0.48	0.48	
	Input power		W		42			49			64			
	Annual consumption		W ^{*4}		-	-	-	-	-	-	-	-	-	
	EER/EER CLASS		TOTAL(W/W) ⁵ /("A"~"G")		-	-	-	-	-	-	-	-	-	
	EER		BTU/hW		-	-	-	-	-	-	-	-	-	
	Power factor		%		-	-	-	-	-	-	-	-	-	
Noise indoor ^{*6}	dB-A (H/M/L)		32/30/28 <34/32/30> ^{*6}					34/32/30 <36/34/32> ^{*6}			35/33/31 <37/35/32> ^{*6}			
	Power Level dB		47/45/43					49/47/45			50/48/46			
	Noise outdoor	dB-A (H/L)		-					-			-		
		Power Level dB		-					-			-		
H E A T I N G	Capacity	kW		4.2	4.2	4.2	5.0	5.0	5.0	6.3	6.3	6.3		
		BTU/h		14300	14300	14300	17100	17100	17100	21500	21500	21500		
	Current		A		0.28	0.28	0.28	0.34	0.34	0.34	0.45	0.45	0.45	
	Input power		W		32			39			54			
	COP/COP CLASS		TOTAL(W/W) ⁵ /("A"~"G")		-	-	-	-	-	-	-	-	-	
	COP		BTU/hW		-	-	-	-	-	-	-	-	-	
	Power factor		%		-	-	-	-	-	-	-	-	-	
	Noise indoor ^{*6}	dB-A (H/M/L)		32/30/28 <34/32/30> ^{*6}					34/32/30 <36/34/32> ^{*6}			35/33/31 <37/35/32> ^{*6}		
		Power Level dB		47/45/43					49/47/45			50/48/46		
	Noise outdoor	dB-A (H/L)		-					-			-		
Power Level dB		-					-			-				
EXTRALOW TEMP	Capacity(kW)/Input power(W)/COP				-			-			-			
Cooling	Max Current(A)/Max Input power(W)				0.54/65	0.54/65	0.54/65	0.56/75	0.56/75	0.56/75	0.72/88	0.72/88	0.72/88	
Heating	Max Current(A)/Max Input power(W)				0.52/55	0.52/55	0.52/55	0.54/65	0.54/65	0.54/65	0.70/80	0.70/80	0.70/80	
Starting current(A)/Comp output(W)					-	-	-	-	-	-	-	-	-	
Network Impedance(QMAX.)					-			-			-			
Fan motor output (Indoor/Outdoor) W					60	/	-	60	/	-	60	/	-	
Moisture removal volume			L/h		1.7			2.2			2.8			
External static pressure			Pa		15 <40> ^{*6}			15 <40> ^{*6}			15 <40> ^{*6}			
Indoor air flow	Cooling	m³/min (H/M/L)		9.0/8.0/7.0			10.5/9.5/8.0			12.5/11.5/10.0				
	Heating	m³/min (H/M/L)		9.0/8.0/7.0			10.5/9.5/8.0			12.5/11.5/10.0				
Outdoor air flow	Cooling	m³/min		-			-			-				
	Heating	m³/min		-			-			-				
Refrigerant type					R410A, R32			R410A, R32			R410A, R32			
Product dimension	Height		mm		200			200			200			
	Width		mm		750			750			750			
	Depth		mm		640			640			640			
Product dimension(PANEL)			H×W×D		mm		-							
Packing dimension	Height		mm		218			218			218			
	Width		mm		1050			1050			1050			
	Depth		mm		758			758			758			
Weight	(NET)		kg		19			19			19			
	(GROSS)		kg		25			25			25			
	Panel (NET)		kg		-									
Layers limit (actually)					13 (14)			13 (14)			13 (14)			
Operation condition	Cool (DBT)				-			-			-			
	Heat (DBT)				-			-			-			
P I P I N G	Pipe port diameter mm (inch)				(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)			(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)			(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)			
	Pipe diameter mm (inch)				(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)			(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)			(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)			
	Connect method, Standard length m				flared type			flared type			flared type			
	Pipe length range m				~ (~)			~ (~)			~ (~)			
	Indoor unit & Outdoor unit height difference m				-			-			-			
	Add gas amount g/m				-			-			-			
Pipe length for additional gas m					-			-			-			

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230V shall be used.

*3: Network Impedance shall be applicable for EUROPE and CHINA models.

*4: The annual consumption is calculated by multiplying the input power at 230V(400V) by an average of 500 hours per year in cooling mode.

*5: EER and COP classification is at 230V(400V) only in accordance with EU directive 2002/31/EC.

*6: H: High at setting 5 stage (Level 5), M: Middle at setting 5 stage (Level 3), L: Low at setting 5 stage (Level 1)

4. Slim Low Static Ducted (Type M1)

4-2. Major Component Specifications

Indoor unit (A)

MODEL No.		S-15MM1E5B	
Power source		220 - 230 - 240 V, single-phase, 50/60 Hz	
Controller P.C.B. Ass'y		A748023 (Microprocessor)	
Fan (Number...diameter)	mm	Sirocco Fan (2...ø140)	
Fan motor			
Model...Nominal output	W	DK8-63G280HF...60 W	
Power source		280 / 340 VDC / 3 phase / 50 Hz	
No. of pole...r.p.m. (230V, High)	rpm	8P... 930	
Coil resistance (Ambient temperature 20°C)	Ω	—	
Run capacitor	VAC, μF	—	
Electronic expansion valve			
Coil		CAM-MD12M5-126	
Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46	
Valve body		CAM-BD18MS-3	
Heat exchanger			
Coil		Aluminium plate fin / Copper tube	
Rows...fin pitch	mm	3...1.4	
Face area	m ²	0.128	
Drain pump		PLD-12230ST-7	
Rated	V,W	AC 230 V, 50 Hz, 12 W	
Height from drain connection port & capacity		500 mm, 400 cc/min	

4. Slim Low Static Ducted (Type M1)

Indoor unit (B)

MODEL No.		S-22MM1E5B
Power source		220 - 230 - 240 V, single-phase, 50/60 Hz
Controller P.C.B. Ass'y		A748023 (Microprocessor)
Fan (Number...diameter)	mm	Sirocco Fan (2...ø140)
Fan motor		
Model...Nominal output	W	DK8-63G280HF...60 W
Power source		280 / 340 VDC / 3 phase / 50 Hz
No. of pole...r.p.m. (230V, High)	rpm	8P... 930
Coil resistance (Ambient temperature 20°C)	Ω	—
Run capacitor	VAC, μF	—
Electronic expansion valve		
Coil		CAM-MD12M5-126
Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46
Valve body		CAM-BD18MS-3
Heat exchanger		
Coil		Aluminium plate fin / Copper tube
Rows...fin pitch	mm	3...1.4
Face area	m ²	0.128
Drain pump		PLD-12230ST-7
Rated	V,W	AC 230 V, 50 Hz, 12 W
Height from drain connection port & capacity		500 mm, 400 cc/min

4. Slim Low Static Ducted (Type M1)

Indoor unit (C)

MODEL No.		S-28MM1E5B
Power source		220 - 230 - 240 V, single-phase, 50/60 Hz
Controller P.C.B. Ass'y		A748023 (Microprocessor)
Fan (Number...diameter)	mm	Sirocco Fan (2...ø140)
Fan motor		
Model...Nominal output	W	DK8-63G280HF...60 W
Power source		280 / 340 VDC / 3 phase / 50 Hz
No. of pole...r.p.m. (230V, High)	rpm	8P... 1,020
Coil resistance (Ambient temperature 20°C)	Ω	—
Run capacitor	VAC, μF	—
Electronic expansion valve		
Coil		CAM-MD12M5-126
Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46
Valve body		CAM-BD18MS-3
Heat exchanger		
Coil		Aluminium plate fin / Copper tube
Rows...fin pitch	mm	3...1.4
Face area	m ²	0.128
Drain pump		PLD-12230ST-7
Rated	V,W	AC 230 V, 50 Hz, 12 W
Height from drain connection port & capacity		500 mm, 400 cc/min

4. Slim Low Static Ducted (Type M1)

Indoor unit (D)

MODEL No.		S-36MM1E5B
Power source		220 - 230 - 240 V, single-phase, 50/60 Hz
Controller P.C.B. Ass'y		A748023 (Microprocessor)
Fan (Number...diameter)	mm	Sirocco Fan (2...ø140)
Fan motor		
Model...Nominal output	W	DK8-63G280HF...60 W
Power source		280 / 340 VDC / 3 phase / 50 Hz
No. of pole...r.p.m. (230V, High)	rpm	8P... 1,040
Coil resistance (Ambient temperature 20°C)	Ω	—
Run capacitor	VAC, μF	—
Electronic expansion valve		
Coil		CAM-MD12M5-126
Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46
Valve body		CAM-BD18MS-3
Heat exchanger		
Coil		Aluminium plate fin / Copper tube
Rows...fin pitch	mm	3...1.4
Face area	m ²	0.128
Drain pump		PLD-12230ST-7
Rated	V,W	AC 230 V, 50 Hz, 12 W
Height from drain connection port & capacity		500 mm, 400 cc/min

4. Slim Low Static Ducted (Type M1)

Indoor unit (E)

MODEL No.		S-45MM1E5B
Power source		220 - 230 - 240 V, single-phase, 50/60 Hz
Controller P.C.B. Ass'y		A748023 (Microprocessor)
Fan (Number...diameter)	mm	Sirocco Fan (2...ø140)
Fan motor		
Model...Nominal output	W	DK8-63G280HF...60 W
Power source		280 / 340 VDC / 3 phase / 50 Hz
No. of pole...r.p.m. (230V, High)	rpm	8P... 1,140
Coil resistance (Ambient temperature 20°C)	Ω	—
Run capacitor	VAC, μF	—
Electronic expansion valve		
Coil		CAM-MD12M5-126
Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46
Valve body		CAM-BD24MS-2
Heat exchanger		
Coil		Aluminium plate fin / Copper tube
Rows...fin pitch	mm	3...1.4
Face area	m ²	0.128
Drain pump		PLD-12230ST-7
Rated	V,W	AC 230 V, 50 Hz, 12 W
Height from drain connection port & capacity		500 mm, 400 cc/min

4. Slim Low Static Ducted (Type M1)

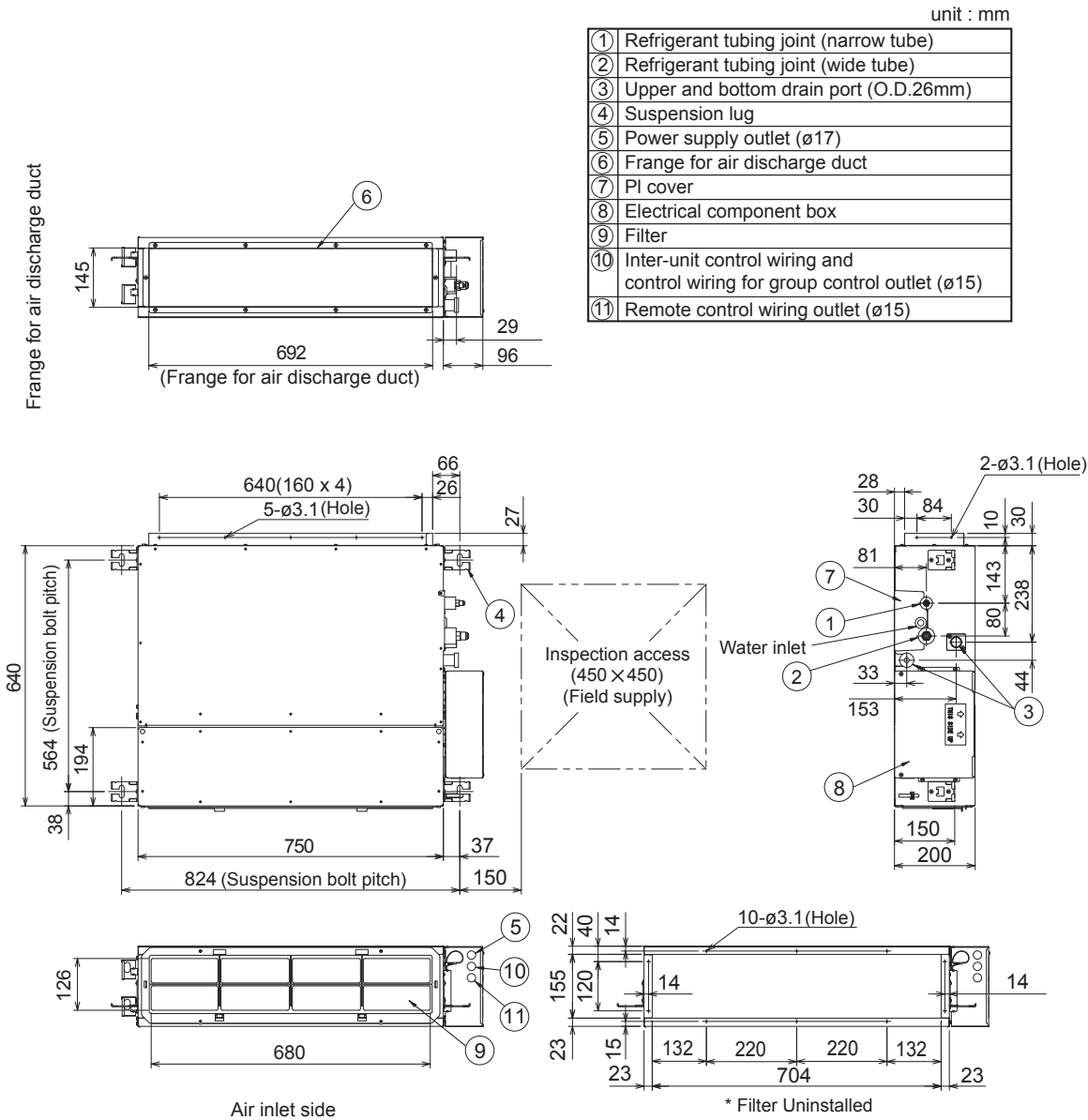
Indoor unit (F)

MODEL No.		S-56MM1E5B
Power source		220 - 230 - 240 V, single-phase, 50/60 Hz
Controller P.C.B. Ass'y		A748023 (Microprocessor)
Fan (Number...diameter)	mm	Sirocco Fan (2...ø140)
Fan motor		
Model...Nominal output	W	DK8-63G280HF...60 W
Power source		280 / 340 VDC / 3 phase / 50 Hz
No. of pole...r.p.m. (230V, High)	rpm	8P... 1,280
Coil resistance (Ambient temperature 20°C)	Ω	—
Run capacitor	VAC, μF	—
Electronic expansion valve		
Coil		CAM-MD12M5-126
Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46
Valve body		CAM-BD24MS-2
Heat exchanger		
Coil		Aluminium plate fin / Copper tube
Rows...fin pitch	mm	3...1.4
Face area	m ²	0.128
Drain pump		PLD-12230ST-7
Rated	V,W	AC 230 V, 50 Hz, 12 W
Height from drain connection port & capacity		500 mm, 400 cc/min

4. Slim Low Static Ducted (Type M1)

4-3. Dimensional Data

Indoor unit: S-15MM1E5B, S-22MM1E5B, S-28MM1E5B, S-36MM1E5B, S-45MM1E5B, S-56MM1E5B



unit: mm

4. Slim Low Static Ducted (Type M1)

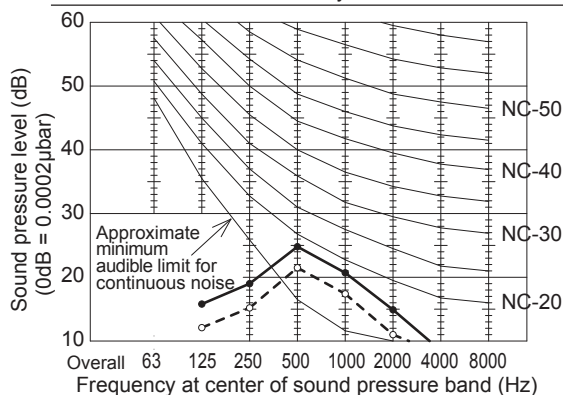
4-4. Noise Criterion Curves

MODEL : S-15MM1E5B, S-22MM1E5B

SOUND LEVEL : STRONG 28 dB(A)

WEAK 25 dB(A)

CONDITION : 1.5 m directly below unit

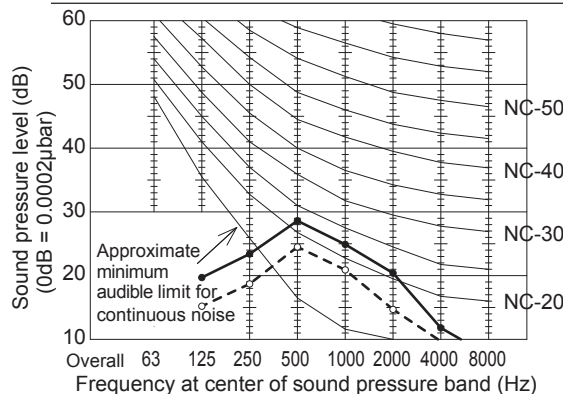


MODEL : S-36MM1E5B

SOUND LEVEL : STRONG 32 dB(A)

WEAK 28 dB(A)

CONDITION : 1.5 m directly below unit

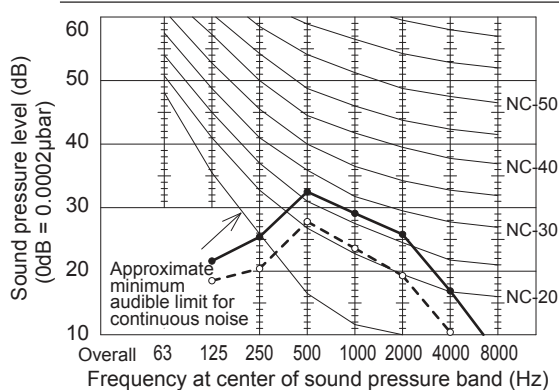


MODEL : S-56MM1E5B

SOUND LEVEL : STRONG 35 dB(A)

WEAK 31 dB(A)

CONDITION : 1.5 m directly below unit



- REMARKS:
- Value obtained in the actual place where the unit is installed may be slightly higher than the values shown in this graph because of the conditions of operation, the structure of the building, the backgroundnoise and other factors.
 - The test results were obtained from an anechoic room.
 - The layout of the testing condition is shown at right.

NOTE

To evaluate the noise level, the maximum value of the measured sound pressure level is used. Read the value at each frequency level (on horizontal axis, center of the sound pressure band) from 63 Hz to 8000 Hz, and select the corresponding maximum value indicated on the vertical axis.

4-4-10

Both 50Hz and 60Hz

—●— Strong

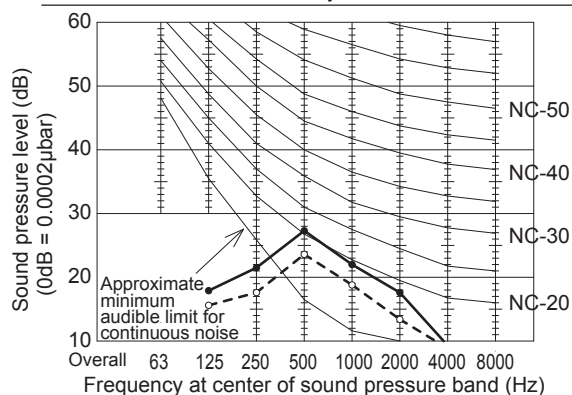
- - -○- - Weak

MODEL : S-28MM1E5B

SOUND LEVEL : STRONG 30 dB(A)

WEAK 27 dB(A)

CONDITION : 1.5 m directly below unit

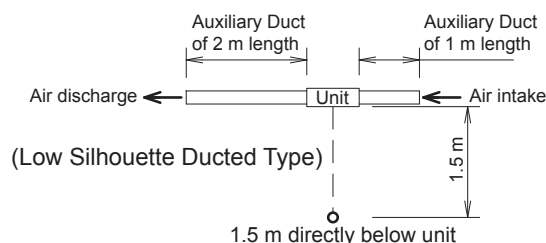
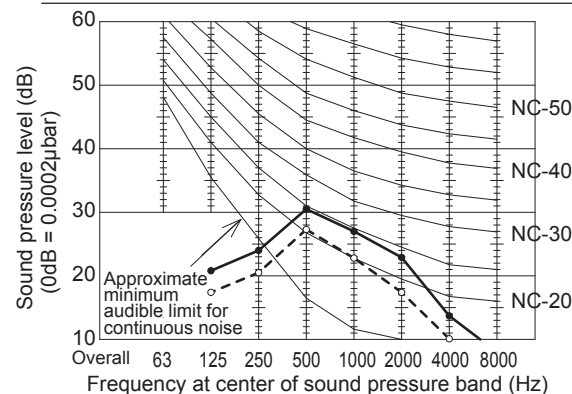


MODEL : S-45MM1E5B

SOUND LEVEL : STRONG 34 dB(A)

WEAK 30 dB(A)

CONDITION : 1.5 m directly below unit



4. Slim Low Static Ducted (Type M1)

4-5. Increasing the Fan Speed

4-5-1. How to Set on PC Board

1. Turn off the power breaker to halt the supply of electricity to the PC board.
2. Open the cover of the electrical box and confirm that there is the indoor unit control PC board in it.
When using with high static pressure mode, set the indoor unit control PC board as shown in Fig. 4-6.
3. Connect the short circuit connector to the short circuit pin TP3 (2P: Yellow) of the indoor unit control board.
 - In the case of wired remote control setting, do not use the short circuit connector.

Table 4-7 External static pressure

Type	15	22	28	36	45	56
Standard (Pa) (shipment)	10	15	15	15	15	15
High static pressure (Pa)	30	30	30	40	40	40

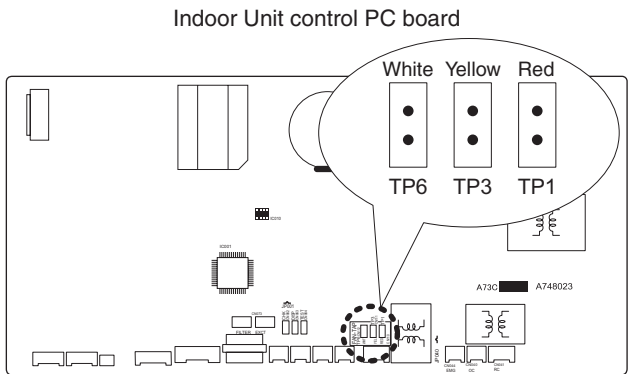
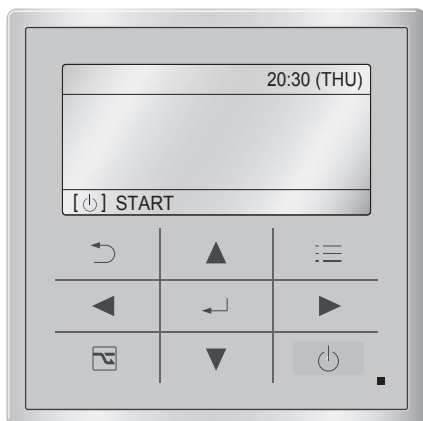


Fig. 4-6

4. Slim Low Static Ducted (Type M1)

4-5-2. Operating the High-spec Wired Remote Controller (CZ-RTC5B)



How to set the external static pressure

- Keep pressing the , and buttons simultaneously for 4 or more seconds. The "Maintenance func" screen appears on the LCD display.

Maintenance func	20:30 (THU)
1. Outdoor unit error data	
2. Service contact	
3. RC setting mode	
4. Test run	
◀ Sel. ▶ Page [↩] Confirm	

- Press the or button to see each menu. If you wish to see the next screen instantly, press the or button. Select "8. Detailed settings" on the LCD display and press the button.

Maintenance func	20:30 (THU)
5. Sensor info.	
6. Servicing check	
7. Simple settings	
8. Detailed settings	
◀ Sel. ▶ Page [↩] Confirm	

The "Detailed settings" screen appears on the LCD display.

Select the "Unit no." by pressing the or button for changes.

Detailed settings		20:30 (THU)
Unit no.	Code no.	Set data
1-1	10	0006
◀ Sel. ▶ Next		

- Select the "Code no." by pressing the or button.

Change the "Code no." to "5D" by pressing the or button (or keeping it pressed).

Detailed settings		20:30 (THU)
Unit no.	Code no.	Set data
1-1	5D	0001
◀ Sel. ▶ Next		

- Select the "Set data" by pressing the or button.

Select one of the "Set data" among "0003" according to the desired external static pressure setting by pressing the or button. Then press the button. (See the table below.)

Then press the button.

Indoor unit						Item code
15	22	28	36	45	56	5D
External static pressure of the rated air flow volume (Pa)						
10		15	15			0000
30		30	40			0003

- Select the "Unit no." by pressing the or button and press the button. The "Exit detailed settings and restart?" (Detailed setting-end) screen appears on the LCD display. Select "YES" and press the button.

Exit detailed settings and restart?
YES ▶ NO
◀ Sel. ▶ Next

4. Slim Low Static Ducted (Type M1)

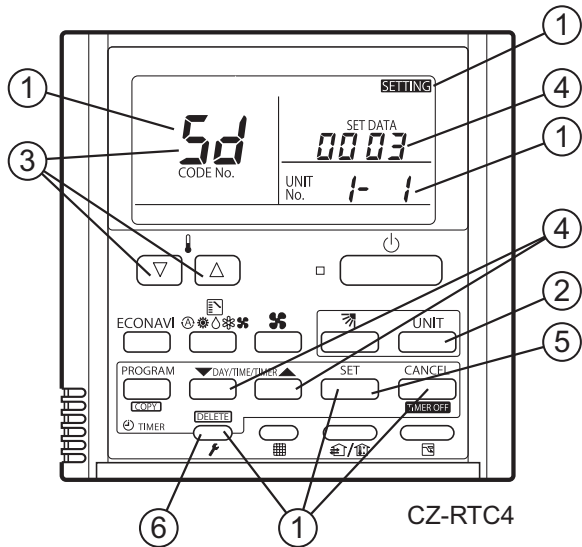
4-5-3. Operating the Timer Remote Controller (CZ-RTC4)

How to set the external static pressure

- Press and hold down the ,  and  buttons simultaneously for 4 or more seconds.
(**SETTING**, the Unit No., Item Code and Detailed Data will blink on the LCD display.)
- The indoor unit numbers in the group control will be sequentially displayed whenever the Unit Select button is pressed .
Only the fan motor for the selected indoor unit will operate during this time.
- Specify the “**5d**” item code by pressing the  /  buttons for the temperature setting buttons and confirm the values.
(“**00 00**” set at shipment)
- Press the  /  buttons for the time to amend the values for the set data.
Refer to Table 4-8 and Fig. 4-7 and select a value “**00 03**”.
- Press the  button.
The display will stop blinking and remain illuminated.
- Press the  button. The fan motor will stop operating and the LCD display will return to the normal stop mode.

Table 4-8 Setting the external static pressure

Indoor unit						Item code
15	22	28	36	45	56	5d 00 00 00 03
External static pressure of the rated air flow volume (Pa)						
10		15	15			
30		30	40			



4. Slim Low Static Ducted (Type M1)

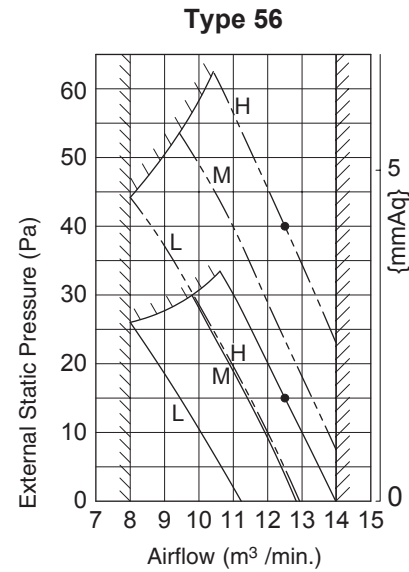
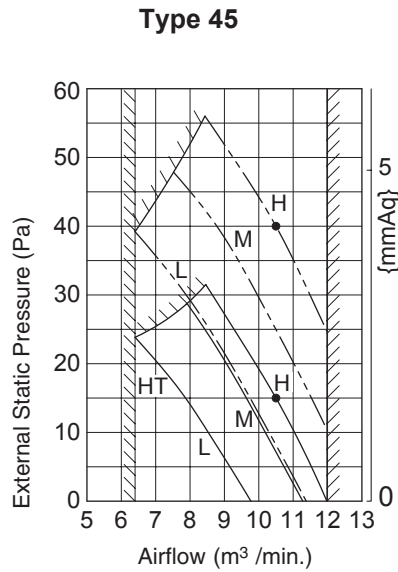
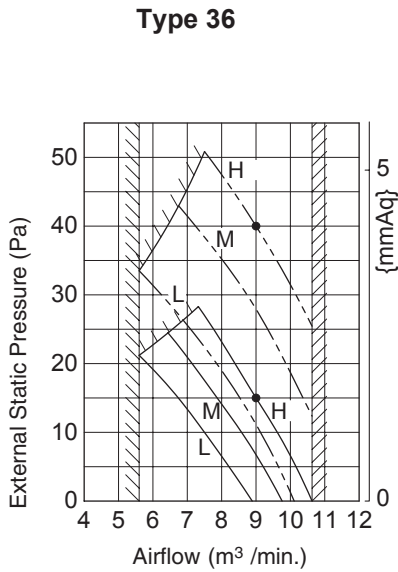
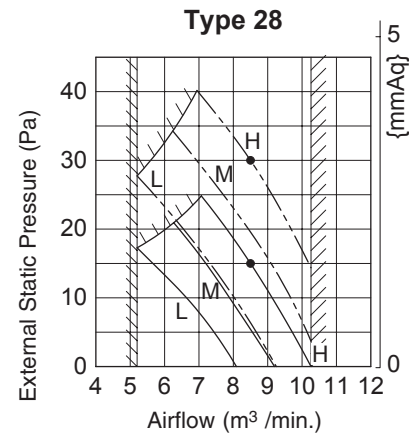
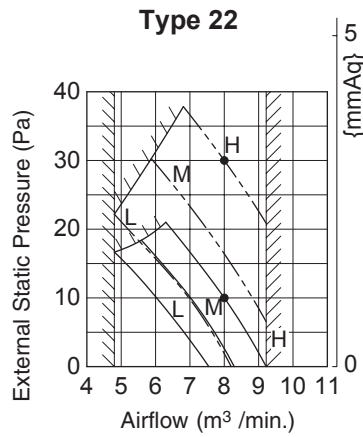
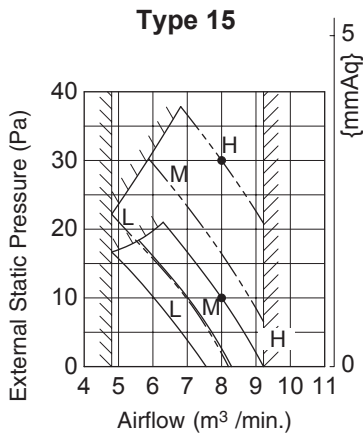
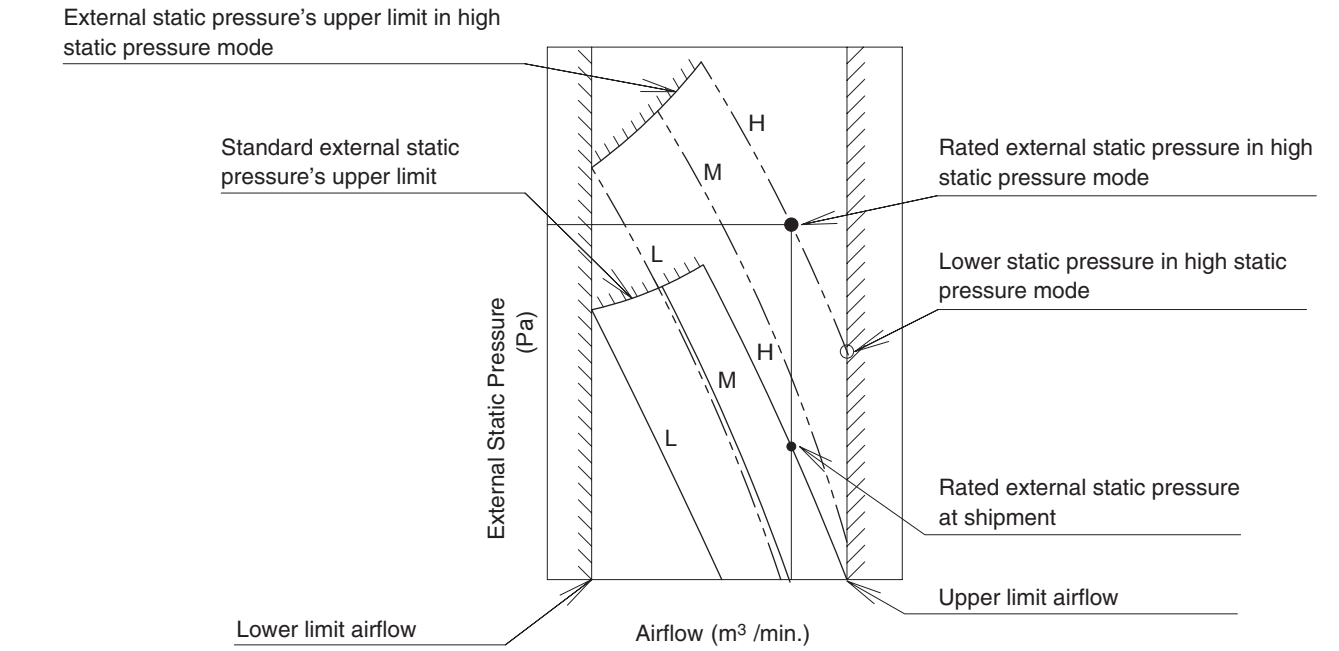


Fig. 4-7