NEW 2021

NEW M1 Type slim variable static pressure hide-away concealed duct • R32/R410A

The ultra slim M1 type is one of the leading products of its type in the industry.
With a depth of only 200 mm it provides greater flexibility and can be used in far more applications.

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

Model			S-15MM1E5B	S-22MM1E5B	S-28MM1E5B	S-36MM1E5B	S-45MM1E5B	S-56MM1E5B
Cooling capacity		kW	1,5	2,2	2,8	3,6	4,5	5,6
Input power cooling		W	36,00	36,00	40,00	42,00	49,00	64,00
Operating current cooling		A	0,26	0,26	0,30	0,31	0,37	0,48
Heating capacity		kW	1,7	2,5	3,2	4,2	5,0	6,3
Input power heating		W	26,00	26,00	30,00	32,00	39,00	54,00
Operating current heating		A	0,23	0,23	0,27	0,28	0,34	0,45
Fan type			Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan
Air flow	Hi / Med / Lo	m³/min	8,00/7,00/6,00	8,00/7,00/6,00	8,50/7,50/6,50	9,00/8,00/7,00	10,50/9,50/8,00	12,50/11,50/10,00
External static pressure		Pa	10 (30)	10 (30)	15 (30)	15 (40)	15 (40)	15 (40)
Sound pressure	Hi / Med / Lo [1]	dB(A)	28/27/25 (30/29/27)	28/27/25 (30/29/27)	30/29/27 (32/31/29)	32/30/28 (34/32/30)	34/32/30 (36/34/32)	35/33/31 (37/35/32)
Sound power	Hi / Med / Lo	dB(A)	43/42/40	43/42/40	45/44/42	47/45/43	49/47/45	50/48/46
Dimension	H x W x D	mm	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640
Net weight		kg	19	19	19	19	19	19
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)
	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)

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 + CZ-RWRC3	Infrared remote controller

Accessories	
PAW-RE2C4	Wired remote controller for hotel application
CZ-CENSC1	Econavi energy savings sensor
CZ-CGLSC1	R32 refrigerant leak detector

1) By DIP switches or by RC setting.

Technical focus

· Ultra-slim profile: 200 mm for all models
· DC fan motor greatly reduces power consumption
· Ideal for hotel application with very narrow false ceilings
· Easy maintenance and service by external electrical box
· 40 Pa static pressure enables ductwork to be fitted
· Includes drain pump

In addition, its high-efficiency and extremely quiet sound levels make it very popular with many users, including hotels and small offices.

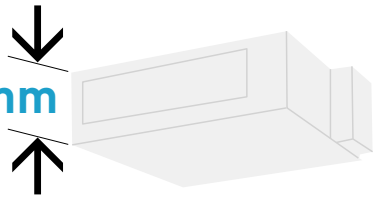
Air outlet & inlet plenum

	Diameters	Air outlet plenum	Diameters	Air inlet plenum
22 , 28 & 36	2 x Ø200	CZ-DUMPA22MMS2	2 x Ø200	CZ-DUMPA22MMR2
45 & 56	3 x Ø160	CZ-DUMPA45MMS3	2 x Ø200	CZ-DUMPA45MMR3

* Plenums installed with an R32 Mini ECOi system may only be used when no refrigerant leak detector is required. Please refer to technical data manual for refrigerant installation requirements.

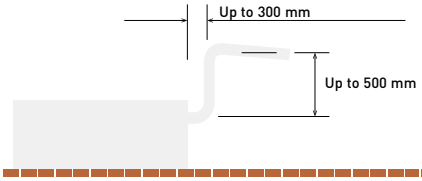
Ultra-slim profile for all models

200 mm



Drain pump with increased power!

By adoption of a high-lift drain pump, the drain piping rise height can be increased to 785 mm from the lower surface of the body.



28% ECONAVI | FILTER INCLUDED | SELF-DIAGNOSING | AUTOMATIC FAN | HUMIDITY CONTROL DRY | AUTOMATIC RESTART | BUILT-IN DRAIN PUMP | OPTIONAL WI-FI | BMS CONNECTIVITY

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
COOLING	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		
	Noise outdoor	dB-A (H/L)		-			-			-		
		Power Level dB		-			-			-		
HEATING	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		-			-			-		
EXTRA LOW 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(ΩMAX.)				-			-			-		
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)		-			-			-		
PIPING	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 (m^3/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
COOLING	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		-			-			-		
HEATING	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		-			-			-		
EXTRA LOW 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(ΩMAX.)				-			-			-		
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	m^3/min (H/M/L)		9.0/8.0/7.0			10.5/9.5/8.0			12.5/11.5/10.0		
	Heating	m^3/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	m^3/min		-			-			-		
	Heating	m^3/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)		-			-			-		
PIPING	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 (m^3/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

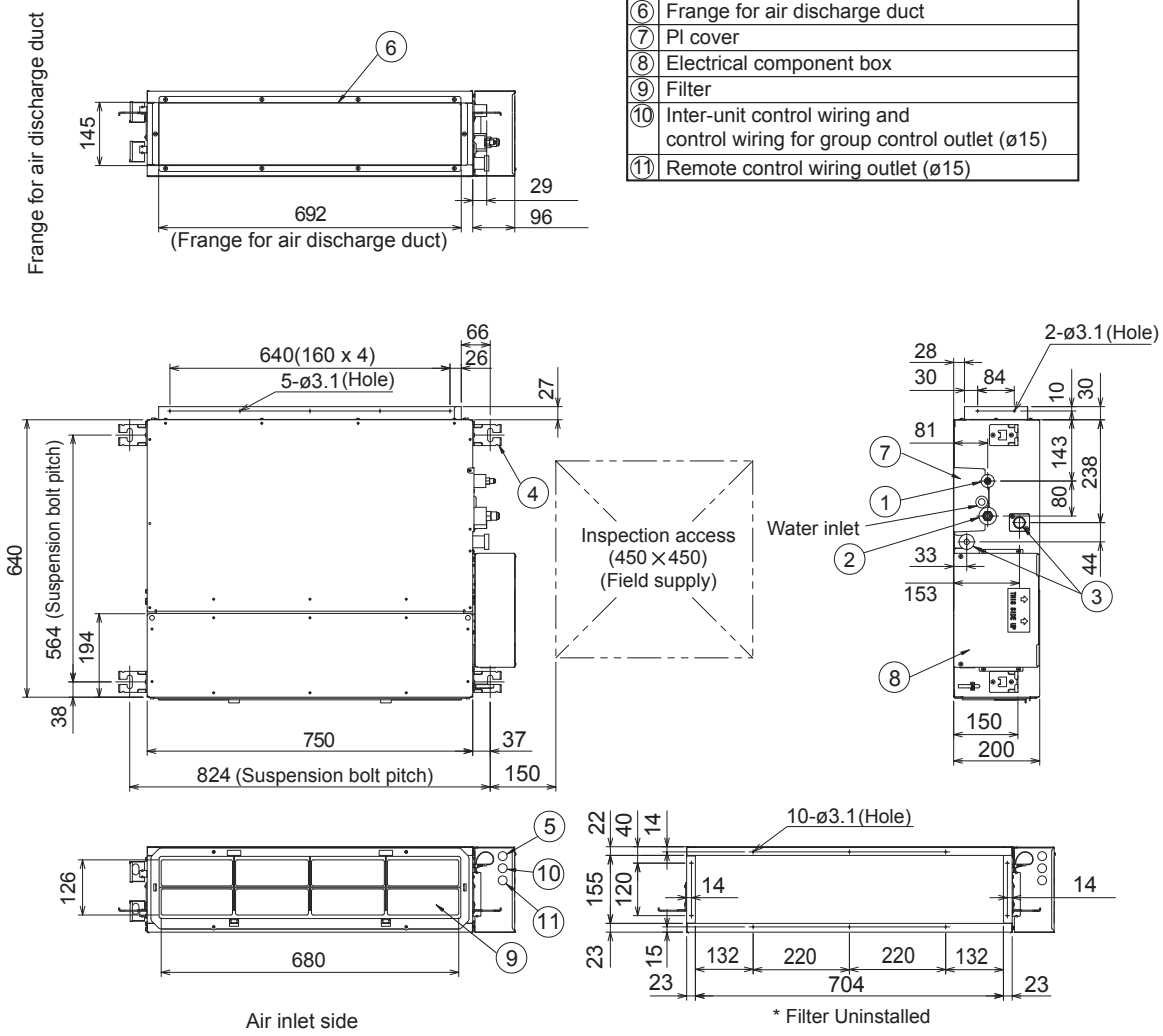
4. Slim Low Static Ducted (Type M1)

4-3. Dimensional Data

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

unit : mm

①	Refrigerant tubing joint (narrow tube)
②	Refrigerant tubing joint (wide tube)
③	Upper and bottom drain port (O.D.26mm)
④	Suspension lug
⑤	Power supply outlet (ø17)
⑥	Frange for air discharge duct
⑦	PI cover
⑧	Electrical component box
⑨	Filter
⑩	Inter-unit control wiring and control wiring for group control outlet (ø15)
⑪	Remote control wiring outlet (ø15)



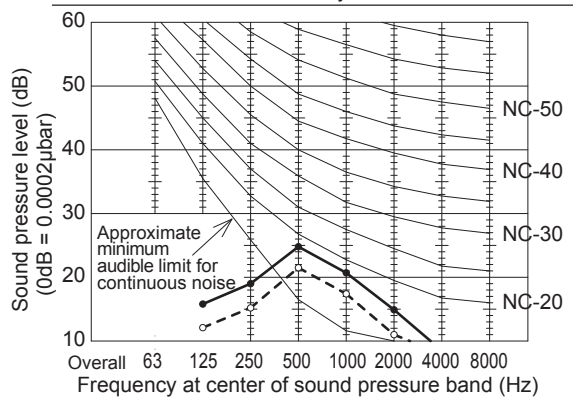
unit: mm

4. Slim Low Static Ducted (Type M1)

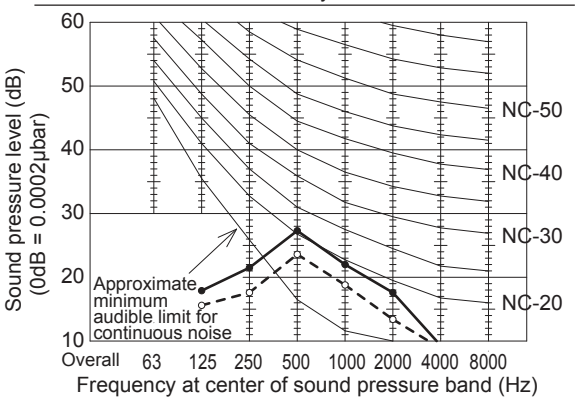
4-4. Noise Criterion Curves

Both 50Hz and 60Hz
Strong
Weak

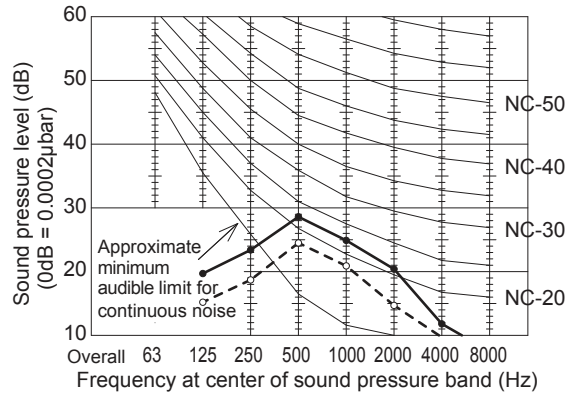
MODEL : S-15MM1E5B, S-22MM1E5B
SOUND LEVEL : STRONG 28 dB(A)
WEAK 25 dB(A)
CONDITION : 1.5 m directly below unit



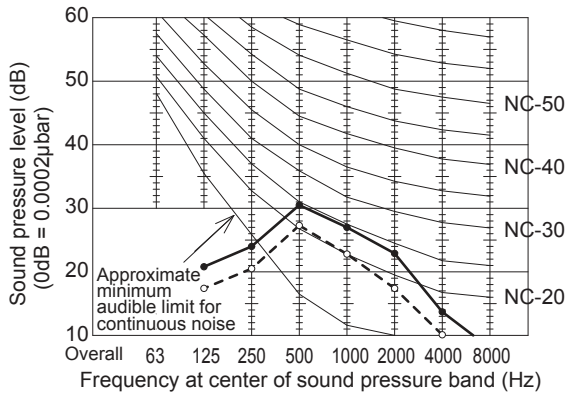
MODEL : S-28MM1E5B
SOUND LEVEL : STRONG 30 dB(A)
WEAK 27 dB(A)
CONDITION : 1.5 m directly below unit



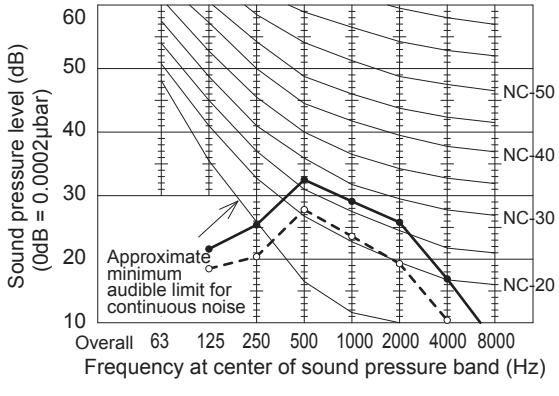
MODEL : S-36MM1E5B
SOUND LEVEL : STRONG 32 dB(A)
WEAK 28 dB(A)
CONDITION : 1.5 m directly below unit



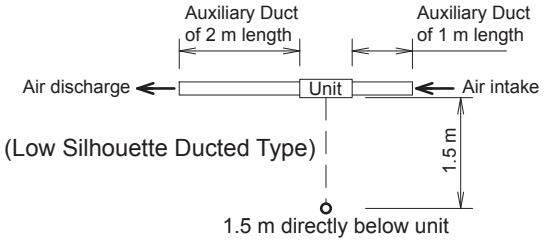
MODEL : S-45MM1E5B
SOUND LEVEL : STRONG 34 dB(A)
WEAK 30 dB(A)
CONDITION : 1.5 m directly below unit



MODEL : S-56MM1E5B
SOUND LEVEL : STRONG 35 dB(A)
WEAK 31 dB(A)
CONDITION : 1.5 m directly below unit



REMARKS:
1. 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.
2. The test results were obtained from an anechoic room.
3. 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.

4-5. 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		
High static pressure (Pa)	30		30	40		

Indoor Unit control PC board

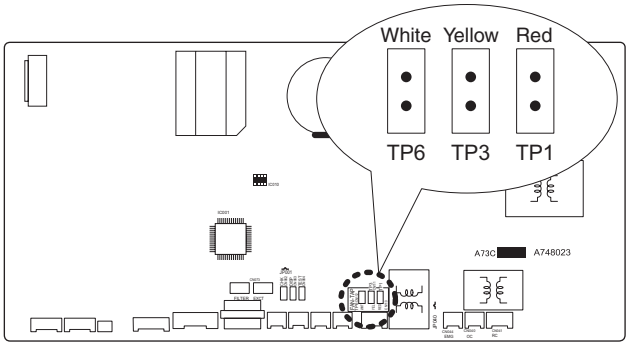
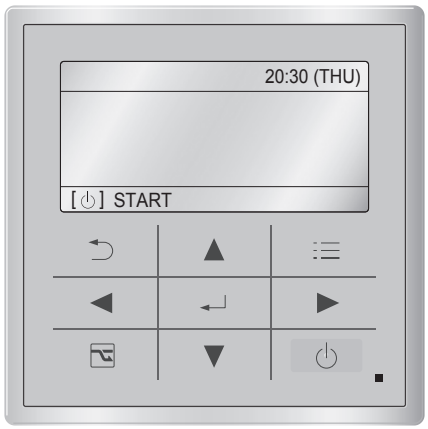


Fig. 4-6

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

1. 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

2. 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		

3. Select the “Code no.” by pressing the ◀ or ▶ button.
   Change the “Code no.” to “5D” by pressing the ▼ or ▲ button (or keeping it pressed).

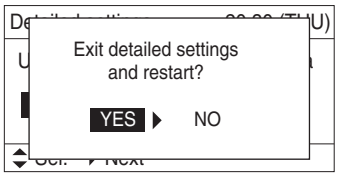
Detailed settings		20:30 (THU)
Unit no.	Code no.	Set data
1-1	5D	0001
⇕ Sel. ▸ Next		

4. 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	
External static pressure of the rated air flow volume (Pa)						**5D**
10		15	15			**0000**
30		30	40			**0003**

5. 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.



4

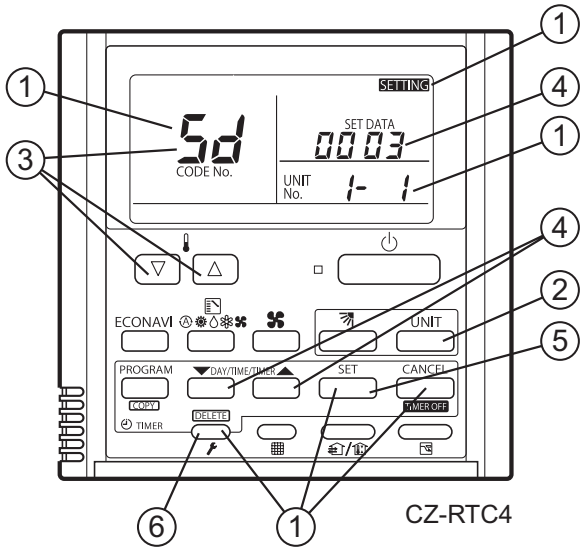
4-5-3. Operating the Timer Remote Controller (CZ-RTC4)

How to set the external static pressure

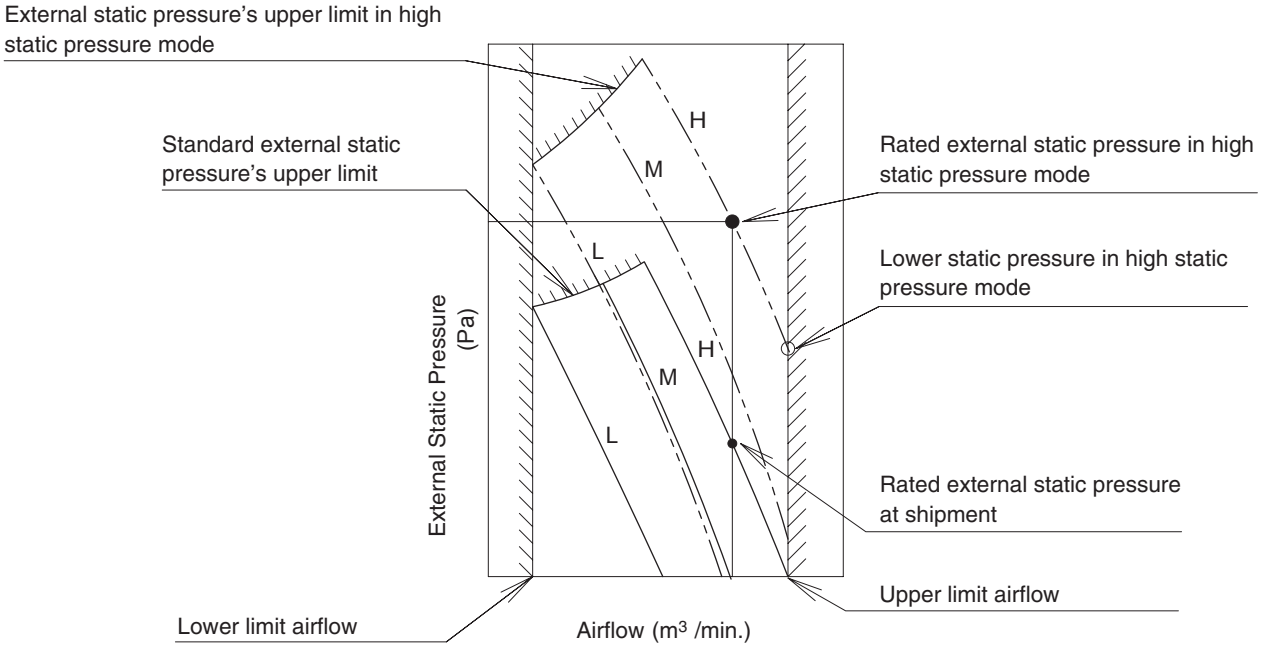
1. Press and hold down the , CANCEL and SET buttons simultaneously for 4 or more seconds. (SETTING, the Unit No., Item Code and Detailed Data will blink on the LCD display.)
2. The indoor unit numbers in the group control will be sequentially displayed whenever the Unit Select button is pressed UNIT.
   Only the fan motor for the selected indoor unit will operate during this time.
3. Specify the " 5d " item code by pressing the ▽/△ buttons for the temperature setting buttons and confirm the values.
   ("0000" set at shipment)
4. Press the DAY/ / TIMER 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 "0003".
5. Press the SET button.
   The display will stop blinking and remain illuminated.
6. 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
External static pressure of the rated air flow volume (Pa)						
10		15	15			0000
30		30	40			0003



4. Slim Low Static Ducted (Type M1)



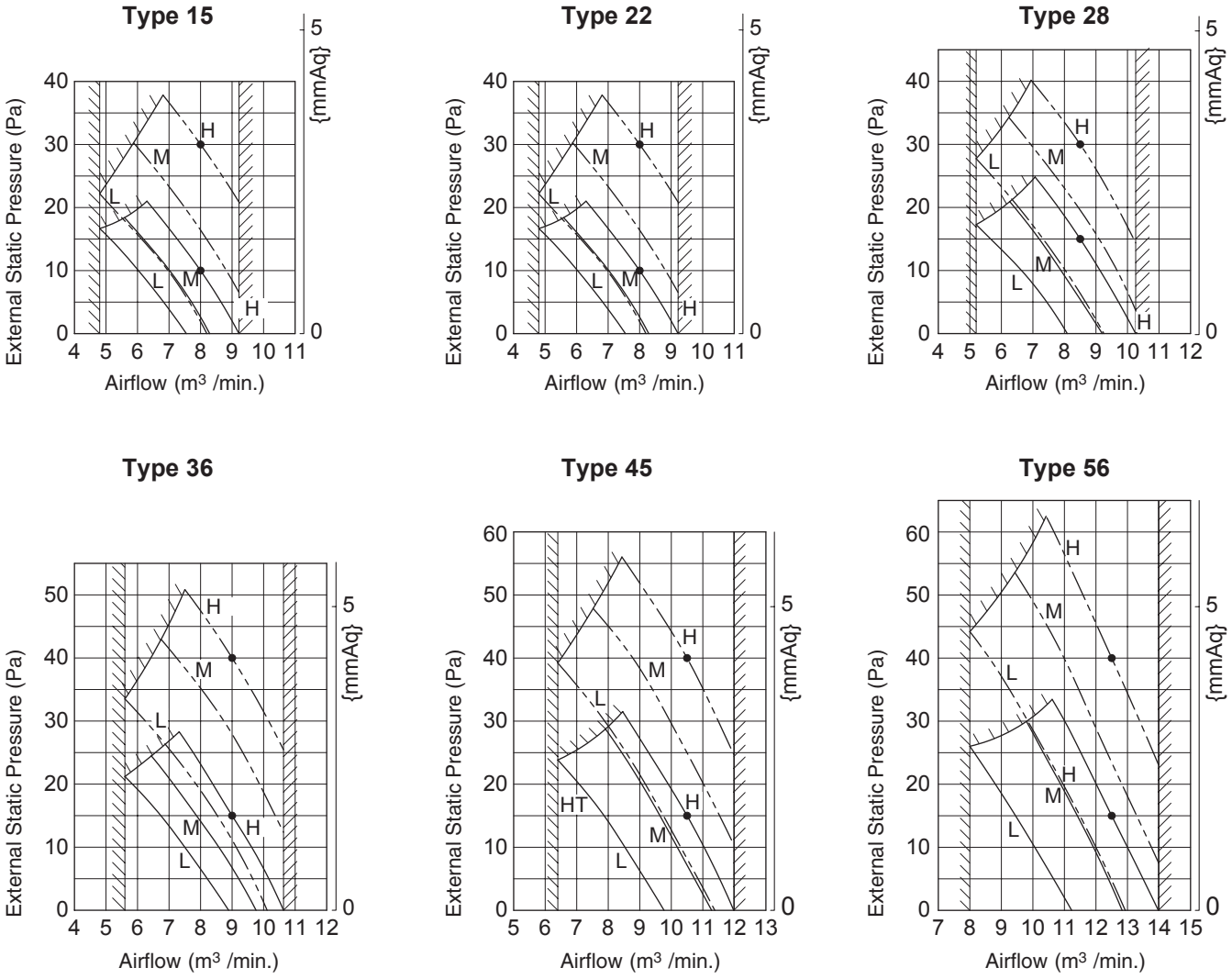


Fig. 4-7