NEW 2021

nanoe™ X as a standard.

NEW U2 Type 4 way 90x90 cassette • R32/R410A

The 4 way 90x90 cassettes with integrated nanoe X Generator Mark 2 and new panel design.
Panasonic introduces a modern flat panel design to blend into any space. These cassettes have been developed to satisfy today's customer needs such as high energy saving, comfort and better indoor air quality.

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

Model		S..MU2E5B	22	28	36	45	56	60	73	90	106	140	160
Cooling capacity		kW	2,2	2,8	3,6	4,5	5,6	6,0	7,3	9,0	10,6	14,0	16,0
Input power cooling		W	20,00	20,00	20,00	20,00	25,00	35,00	40,00	40,00	90,00	95,00	105,00
Current (cool)		A	0,21	0,21	0,21	0,21	0,23	0,33	0,36	0,38	0,71	0,74	0,82
Heating capacity		kW	2,5	3,2	4,2	5,0	6,3	7,1	8,0	10,0	11,4	16,0	18,0
Input power heating		W	20,00	20,00	20,00	20,00	25,00	35,00	40,00	40,00	85,00	90,00	100,00
Current (heat)		A	0,20	0,20	0,20	0,20	0,22	0,32	0,35	0,37	0,69	0,72	0,80
Fan type			Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan
nanoe X Generator			Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2
Air flow	Hi/Med/Lo	m³/min	14,50/ 13,00/ 11,50	14,50/ 13,00/ 11,50	14,50/ 13,00/ 11,50	15,50/ 13,00/ 11,50	16,50/ 13,50/ 11,50	21,00/ 16,00/ 13,00	22,50/ 16,00/ 13,00	23,00/ 18,50/ 14,00	34,00/ 25,00/ 19,00	36,00/ 26,00/ 20,00	37,00/ 28,00/ 24,00
Sound pressure	Hi/Med/Lo	dB(A)	30/29/28	30/29/28	30/29/28	31/29/28	32/30/28	36/32/29	37/32/29	38/35/32	44/38/34	45/39/35	46/40/38
Sound power	Hi/Med/Lo	dB(A)	45/44/43	45/44/43	45/44/43	46/44/43	47/45/43	51/47/44	52/47/44	53/50/47	59/53/49	60/54/50	61/55/53
Dimension (HxWxD)	Indoor	mm	256x840 x840	256x840 x840	256x840 x840	256x840 x840	256x840 x840	256x840 x840	256x840 x840	256x840 x840	319x840 x840	319x840 x840	319x840 x840
	Panel	mm	33,5x950 x950	33,5x950 x950	33,5x950 x950	33,5x950 x950	33,5x950 x950	33,5x950 x950	33,5x950 x950	33,5x950 x950	33,5x950 x950	33,5x950 x950	33,5x950 x950
Net weight (Panel)		kg	19 (5)	19 (5)	19 (5)	19 (5)	19 (5)	20 (5)	20 (5)	20 (5)	25 (5)	25 (5)	25 (5)
Pipe diameter	Liquid	Inch (mm)	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) [1]	3/8 (9,52) [1]	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas	Inch (mm)	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) [1]	5/8 (15,88) [1]	5/8 (15,88)	5/8 (15,88)	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 + CZ-RWRU3W	Infrared remote controller
PAW-RE2C4	Wired remote controller for hotel application

Accessories	
CZ-KPU3W	Standard panel.
CZ-KPU3AW	Econavi exclusive panel
CZ-CENSC1	Econavi energy savings sensor
CZ-FDU3+CZ-ATU2	Fresh air-intake kit
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. * Above values are in the case of nanoe™ X OFF.

Technical focus

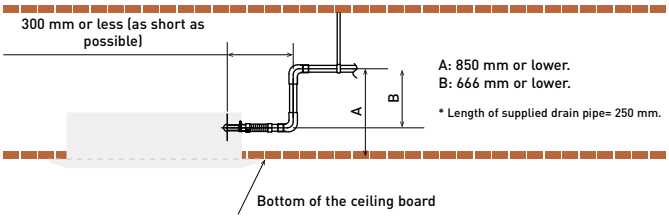
- High performance turbo fan, new path system for heat exchanger
- Lower noise in slow fan operation
- Ceiling height up to 5,0 m
- Industry top light weight, easy piping
- Econavi: Floor temperature and humidity sensor added. Activity amount detection and new circulator
- nanoe™ X (Generator Mark 2= 9,6 trillion hydroxyl radicals/sec) as standard for better indoor air quality, indoor unit internal cleaning with nanoe™ X and dry operation
- Powerful drain pump gives 850 mm lift
- Fresh air knockout
- Branch duct connection
- High volume fresh air input with optional air-intake plenum and chamber (CZ-FDU3+CZ-ATU2)

Panel design

Flat design, well-matched with interior.
Position of 4 air wings can be set individually.

The drain pipe can be raised to a maximum height of 850 mm from the bottom of the ceiling

Integrated drain pump allows a drain height of 850 mm making the installation much easier.



28% ECONAVI | nanoe™ X | SELF-DIAGNOSING | AUTOMATIC FAN | HUMIDITY CONTROL MILD DRY | AUTO-FLAP CONTROL | AUTOMATIC RESTART | AIR SWEEP | BUILT-IN DRAIN PUMP | OPTIONAL WI-FI | BMS CONNECTIVITY

ECONAVI, nanoe™ X 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.

1. 4-Way Cassette (Type U2)

1-1. Specifications

Unit Specifications (A)

INDOOR		MODEL		S-22MU2E5B			S-28MU2E5B			S-36MU2E5B		
PANEL		MODEL		Standard type:CZ-KPU3 or CZ-KPU3W / ECONAVI type:CZ-KPU3A or CZ-KPU3AW								
Performance test condition				ISO15042 / AS/NZS3823.1 /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		2.2	2.2	2.2	2.8	2.8	2.8	3.6	3.6	3.6
		BTU/h		7500	7500	7500	9600	9600	9600	12300	12300	12300
		Sensible	kW	2.2	2.2	2.2	2.7	2.7	2.7	3.2	3.2	3.2
		Latent	kW	0.0	0.0	0.0	0.1	0.1	0.1	0.4	0.4	0.4
	Current	A		0.21	0.21	0.20	0.21	0.21	0.20	0.21	0.21	0.20
	Input power	W		20			20			20		
	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)		30/29/28			30/29/28			30/29/28		
		Power Level dB		45/44/43			45/44/43			45/44/43		
	Noise outdoor	dB-A (H/L)		-			-			-		
		Power Level dB		-			-			-		
HEATING	Capacity	kW		2.5	2.5	2.5	3.2	3.2	3.2	4.2	4.2	4.2
		BTU/h		8500	8500	8500	10900	10900	10900	14300	14300	14300
	Current	A		0.20	0.20	0.19	0.20	0.20	0.19	0.20	0.20	0.19
	Input power	W		20			20			20		
	COP/COP CLASS	TOTAL(W/W)*5/("A"~"G")		-	-	-	-	-	-	-	-	-
	COP	BTU/hW		-	-	-	-	-	-	-	-	-
	Power factor	%		-	-	-	-	-	-	-	-	-
	Noise indoor*6	dB-A (H/M/L)		30/29/28			30/29/28			30/29/28		
		Power Level dB		45/44/43			45/44/43			45/44/43		
	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)			0.40/42	0.37/42	0.36/42	0.40/42	0.37/42	0.36/42	0.40/42	0.37/42	0.36/42
Heating	Max Current(A)/Max Input power(W)			0.39/41	0.36/41	0.35/41	0.39/41	0.36/41	0.35/41	0.39/41	0.36/41	0.35/41
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			0.2			0.7		
External static pressure			Pa	-			-			-		
Indoor air flow*6	Cooling	m^3/min (H/M/L)		14.5/13.0/11.5			14.5/13.0/11.5			14.5/13.0/11.5		
	Heating	m^3/min (H/M/L)		14.5/13.0/11.5			14.5/13.0/11.5			14.5/13.0/11.5		
Outdoor air flow	Cooling	m^3/min		-			-			-		
	Heating	m^3/min		-			-			-		
Refrigerant type				R410A, R32			R410A, R32			R410A, R32		
Product dimension	Height		mm	256			256			256		
	Width		mm	840			840			840		
	Depth		mm	840			840			840		
Product dimension(PANEL)		H×W×D	mm	33.5×950×950								
Packing dimension		Height	mm	302			302			302		
		Width	mm	898			898			898		
		Depth	mm	898			898			898		
Weight		(NET)	kg	19			19			19		
		(GROSS)	kg	26			26			26		
		Panel (NET)	kg	5								
Layers limit (actually)				11 (12)			11 (12)			11 (12)		
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)
* In the case of nanoe X OFF

1. 4-Way Cassette (Type U2)

Unit Specifications (B)

INDOOR		MODEL		S-45MU2E5B			S-56MU2E5B					
PANEL		MODEL		Standard type:CZ-KPU3 or CZ-KPU3W / ECONAVI type:CZ-KPU3A or CZ-KPU3AW								
Performance test condition				ISO15042 / AS/NZS3823.1 /EN14511 / EN12102								
Power supply		ø, Hz		1ø 50/60Hz			1ø 50/60Hz					
		V		220V	230V	240V	220V	230V	240V			
COOLING	Capacity	kW		4.5	4.5	4.5	5.6	5.6	5.6			
		BTU/h		15400	15400	15400	19100	19100	19100			
		Sensible	kW	3.6	3.6	3.6	4.2	4.2	4.2			
		Latent	kW	0.9	0.9	0.9	1.4	1.4	1.4			
	Current	A		0.21	0.21	0.20	0.24	0.23	0.22			
	Input power	W		20			25					
	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)		31/29/28			32/30/28					
		Power Level dB		46/44/43			47/45/43					
	Noise outdoor	dB-A (H/L)		-			-					
		Power Level dB		-			-					
HEATING	Capacity	kW		5.0	5.0	5.0	6.3	6.3	6.3			
		BTU/h		17100	17100	17100	21500	21500	21500			
	Current	A		0.20	0.20	0.19	0.23	0.22	0.21			
	Input power	W		20			25					
	COP/COP CLASS	TOTAL(W/W)*5/("A"~"G")		-	-	-	-	-	-			
	COP	BTU/hW		-	-	-	-	-	-			
	Power factor	%		-	-	-	-	-	-			
	Noise indoor*6	dB-A (H/M/L)		31/29/28			32/30/28					
		Power Level dB		46/44/43			47/45/43					
	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)			0.50/50	0.48/50	0.47/50	0.52/54	0.50/54	0.49/54			
Heating	Max Current(A)/Max Input power(W)			0.48/49	0.46/49	0.45/49	0.50/53	0.48/53	0.46/53			
Starting current(A)/Comp output(W)				-	-	-	-	-	-			
Network Impedance(ΩMAX.)				-			-					
Fan motor output (Indoor/Outdoor) W				60	/	-	60	/	-			
Moisture removal volume			L/h	1.3			2.2					
External static pressure			Pa	-			-					
Indoor air flow*6	Cooling	m^3/min (H/M/L)		15.5/13.0/11.5			16.5/13.5/11.5					
	Heating	m^3/min (H/M/L)		15.5/13.0/11.5			16.5/13.5/11.5					
Outdoor air flow	Cooling	m^3/min		-			-					
	Heating	m^3/min		-			-					
Refrigerant type				R410A, R32			R410A, R32					
Product dimension	Height		mm	256			256					
	Width		mm	840			840					
	Depth		mm	840			840					
Product dimension(PANEL)		H×W×D	mm	33.5×950×950								
Packing dimension		Height	mm	302			302					
		Width	mm	898			898					
		Depth	mm	898			898					
Weight		(NET)	kg	19			19					
		(GROSS)	kg	26			26					
		Panel (NET)	kg	5								
Layers limit (actually)				11 (12)			11 (12)					
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)					
	Pipe diameter mm (inch)			(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					
	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)
* In the case of nanoe X OFF

1. 4-Way Cassette (Type U2)

Unit Specifications (C)

INDOOR		MODEL		S-60MU2E5B			S-73MU2E5B			S-90MU2E5B		
PANEL		MODEL		Standard type:CZ-KPU3 or CZ-KPU3W / ECONAVI type:CZ-KPU3A or CZ-KPU3AW								
Performance test condition				ISO15042 / AS/NZS3823.1 /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		6.0	6.0	6.0	7.3	7.3	7.3	9.0	9.0	9.0
		BTU/h		20500	20500	20500	24900	24900	24900	30700	30700	30700
		Sensible	kW	4.9	4.9	4.9	5.6	5.6	5.6	6.4	6.4	6.4
		Latent	kW	1.1	1.1	1.1	1.7	1.7	1.7	2.6	2.6	2.6
	Current	A		0.34	0.33	0.32	0.37	0.36	0.35	0.39	0.38	0.37
	Input power	W		35			40			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)		36/32/29			37/32/29			38/35/32		
		Power Level dB		51/47/44			52/47/44			53/50/47		
	Noise outdoor	dB-A (H/L)		-			-			-		
		Power Level dB		-			-			-		
HEATING	Capacity	kW		7.1	7.1	7.1	8.0	8.0	8.0	10.0	10.0	10.0
		BTU/h		24200	24200	24200	27300	27300	27300	34100	34100	34100
	Current	A		0.33	0.32	0.31	0.36	0.35	0.34	0.38	0.37	0.36
	Input power	W		35			40			40		
	COP/COP CLASS	TOTAL(W/W)*5/("A"~"G")		-	-	-	-	-	-	-	-	-
	COP	BTU/hW		-	-	-	-	-	-	-	-	-
	Power factor	%		-	-	-	-	-	-	-	-	-
	Noise indoor*6	dB-A (H/M/L)		36/32/29			37/32/29			38/35/32		
		Power Level dB		51/47/44			52/47/44			53/50/47		
	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)			0.53/56	0.51/56	0.50/56	0.54/60	0.52/60	0.51/60	0.63/70	0.61/70	0.60/70
Heating	Max Current(A)/Max Input power(W)			0.51/55	0.49/55	0.47/55	0.53/59	0.51/59	0.49/59	0.61/65	0.59/65	0.57/65
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			2.6			4.1		
External static pressure			Pa	-			-			-		
Indoor air flow*6	Cooling	m³/min (H/M/L)		21.0/16.0/13.0			22.5/16.0/13.0			23.0/18.5/14.0		
	Heating	m³/min (H/M/L)		21.0/16.0/13.0			22.5/16.0/13.0			23.0/18.5/14.0		
Outdoor air flow	Cooling	m³/min		-			-			-		
	Heating	m³/min		-			-			-		
Refrigerant type				R410A, R32			R410A, R32			R410A, R32		
Product dimension	Height		mm	256			256			256		
	Width		mm	840			840			840		
	Depth		mm	840			840			840		
Product dimension(PANEL)		H×W×D	mm	33.5×950×950								
Packing dimension		Height	mm	302			302			302		
		Width	mm	898			898			898		
		Depth	mm	898			898			898		
Weight		(NET)	kg	20			20			20		
		(GROSS)	kg	27			27			27		
		Panel (NET)	kg	5								
Layers limit (actually)				11 (12)			11 (12)			11 (12)		
Operation condition		Cool (DBT)		-			-			-		
		Heat (DBT)		-			-			-		
PIPING	Pipe port diameter mm (inch)			(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)			(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)			(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)		
	Pipe diameter mm (inch)*7,*8			(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8) or (Liquid)Ø6.35(1/4) (Gas)Ø12.7(1/2)			(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8) or (Liquid)Ø6.35(1/4) (Gas)Ø12.7(1/2)			(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8) or (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)
*7:Refer to the installation instruction for the outdoor unit connected.
*8: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.

1. 4-Way Cassette (Type U2)

Unit Specifications (D)

INDOOR		MODEL		S-106MU2E5B			S-140MU2E5B			S-160MU2E5B		
PANEL		MODEL		Standard type:CZ-KPU3 or CZ-KPU3W / ECONAVI type:CZ-KPU3A or CZ-KPU3AW								
Performance test condition				ISO15042 / AS/NZS3823.1 /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		10.6	10.6	10.6	14.0	14.0	14.0	16.0	16.0	16.0
		BTU/h		36200	36200	36200	47800	47800	47800	54600	54600	54600
		Sensible	kW	8.3	8.3	8.3	10.0	10.0	10.0	11.0	11.0	11.0
		Latent	kW	2.3	2.3	2.3	4.0	4.0	4.0	5.0	5.0	5.0
	Current	A		0.74	0.71	0.68	0.77	0.74	0.71	0.85	0.82	0.79
	Input power	W		90			95			105		
	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)		44/38/34			45/39/35			46/40/38		
		Power Level dB		59/53/49			60/54/50			61/55/53		
	Noise outdoor	dB-A (H/L)		-			-			-		
		Power Level dB		-			-			-		
HEATING	Capacity	kW		11.4	11.4	11.4	16.0	16.0	16.0	18.0	18.0	18.0
		BTU/h		38900	38900	38900	54600	54600	54600	61400	61400	61400
	Current	A		0.72	0.69	0.66	0.75	0.72	0.69	0.83	0.80	0.77
	Input power	W		85			90			100		
	COP/COP CLASS	TOTAL(W/W)*5/("A"~"G")		-	-	-	-	-	-	-	-	-
	COP	BTU/hW		-	-	-	-	-	-	-	-	-
	Power factor	%		-	-	-	-	-	-	-	-	-
	Noise indoor*6	dB-A (H/M/L)		44/38/34			45/39/35			46/40/38		
		Power Level dB		59/53/49			60/54/50			61/55/53		
	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)			1.27/133	1.22/133	1.17/133	1.27/133	1.22/133	1.17/133	1.27/133	1.22/133	1.17/133
Heating	Max Current(A)/Max Input power(W)			1.17/125	1.13/125	1.09/125	1.17/125	1.13/125	1.09/125	1.17/125	1.13/125	1.09/125
Starting current(A)/Comp output(W)				-	-	-	-	-	-	-	-	-
Network Impedance(ΩMAX.)				-			-			-		
Fan motor output (Indoor/Outdoor) W				90	/	-	90	/	-	90	/	-
Moisture removal volume			L/h	3.6			6.3			7.9		
External static pressure			Pa	-			-			-		
Indoor air flow*6	Cooling	m^3/min (H/M/L)		34.0/25.0/19.0			36.0/26.0/20.0			37.0/28.0/24.0		
	Heating	m^3/min (H/M/L)		34.0/25.0/19.0			36.0/26.0/20.0			37.0/28.0/24.0		
Outdoor air flow	Cooling	m^3/min		-			-			-		
	Heating	m^3/min		-			-			-		
Refrigerant type				R410A, R32			R410A, R32			R410A, R32		
Product dimension	Height		mm	319			319			319		
	Width		mm	840			840			840		
	Depth		mm	840			840			840		
Product dimension(PANEL)		H×W×D	mm	33.5×950×950								
Packing dimension		Height	mm	365			365			365		
		Width	mm	898			898			898		
		Depth	mm	898			898			898		
Weight		(NET)	kg	25			25			25		
		(GROSS)	kg	32			32			32		
		Panel (NET)	kg	5								
Layers limit (actually)				11 (12)			11 (12)			11 (12)		
Operation condition		Cool (DBT)		-			-			-		
		Heat (DBT)		-			-			-		
PIPING	Pipe port diameter mm (inch)			(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)			(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)			(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)		
	Pipe diameter mm (inch)			(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)			(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)			(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)		
	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)
* In the case of nanoe X OFF

1. 4-Way Cassette (Type U2)

1-2. Major Component Specifications

Indoor unit (A)

MODEL No.			**S-22MU2E5B**
Power source			220 - 230 - 240 V, single-phase, 50/60 Hz
Controller P.C.B. Ass'y			ACXA73-2468* (Microprocessor)
Fan (Number...diameter)		mm	Turbo (1...ø485)
Fan motor			
	Model...Nominal output	W	SIC-62FW-D839-1…60 W
	Power source		280 VDC
	No. of pole...r.p.m. (230V)	rpm	8P…330
	Run capacitor	VAC, F	-
Safety device			Over current, Rotating signal detection, Fuse
Electronic expansion valve			
	Coil		UKV-A462
	Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46
	Valve body		UKV-18D31
Heat exchanger			
	Coil		Aluminium plate fin / Copper tube
	Rows...fin pitch	mm	2...1.21
	Face area	m^2	0.359
Panel			
	Model No.		CZ-KPU3
	Auto louver motor		MSBPC20A20
	Coil resistance	Ω	300 Ω ± 7% / phase
Drain pump			PMD-12D13ST-8
	Rated	V, W	DC 13 V, 4.2 W
	Drain piping rise height from unit bottom, capacity		850 mm, 400 cc/min

1. 4-Way Cassette (Type U2)

Indoor unit (B)

MODEL No.			**S-28MU2E5B**
Power source			220 - 230 - 240 V, single-phase, 50/60 Hz
Controller P.C.B. Ass'y			ACXA73-2468* (Microprocessor)
Fan (Number...diameter)		mm	Turbo (1...ø485)
Fan motor			
	Model...Nominal output	W	SIC-62FW-D839-1…60 W
	Power source		280 VDC
	No. of pole...r.p.m. (230V)	rpm	8P…330
	Run capacitor	VAC, F	-
Safety device			Over current, Rotating signal detection, Fuse
Electronic expansion valve			
	Coil		UKV-A462
	Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46
	Valve body		UKV-18D31
Heat exchanger			
	Coil		Aluminium plate fin / Copper tube
	Rows...fin pitch	mm	2...1.21
	Face area	m^2	0.359
Panel			
	Model No.		CZ-KPU3
	Auto louver motor		MSBPC20A20
	Coil resistance	Ω	300 Ω ± 7% / phase
Drain pump			PMD-12D13ST-8
	Rated	V, W	DC 13 V, 4.2 W
	Drain piping rise height from unit bottom, capacity		850 mm, 400 cc/min

1. 4-Way Cassette (Type U2)

Indoor unit (C)

MODEL No.			**S-36MU2E5B**
Power source			220 - 230 - 240 V, single-phase, 50/60 Hz
Controller P.C.B. Ass'y			ACXA73-2468* (Microprocessor)
Fan (Number...diameter)		mm	Turbo (1...ø485)
Fan motor			
	Model...Nominal output	W	SIC-62FW-D839-1…60 W
	Power source		280 VDC
	No. of pole...r.p.m. (230V)	rpm	8P…330
	Run capacitor	VAC, F	-
Safety device			Over current, Rotating signal detection, Fuse
Electronic expansion valve			
	Coil		UKV-A462
	Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46
	Valve body		UKV-18D31
Heat exchanger			
	Coil		Aluminium plate fin / Copper tube
	Rows...fin pitch	mm	2...1.21
	Face area	m^2	0.359
Panel			
	Model No.		CZ-KPU3
	Auto louver motor		MSBPC20A20
	Coil resistance	Ω	300 Ω ± 7% / phase
Drain pump			PMD-12D13ST-8
	Rated	V, W	DC 13 V, 4.2 W
	Drain piping rise height from unit bottom, capacity		850 mm, 400 cc/min

1. 4-Way Cassette (Type U2)

Indoor unit (D)

MODEL No.			**S-45MU2E5B**
Power source			220 - 230 - 240 V, single-phase, 50/60 Hz
Controller P.C.B. Ass'y			ACXA73-2468* (Microprocessor)
Fan (Number...diameter)		mm	Turbo (1...ø485)
Fan motor			
	Model...Nominal output	W	SIC-62FW-D839-1…60 W
	Power source		280 VDC
	No. of pole...r.p.m. (230V)	rpm	8P…340
	Run capacitor	VAC, F	-
Safety device			Over current, Rotating signal detection, Fuse
Electronic expansion valve			
	Coil		UKV-A462
	Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46
	Valve body		UKV-25D32
Heat exchanger			
	Coil		Aluminium plate fin / Copper tube
	Rows...fin pitch	mm	2...1.21
	Face area	m^2	0.359
Panel			
	Model No.		CZ-KPU3
	Auto louver motor		MSBPC20A20
	Coil resistance	Ω	300 Ω ± 7% / phase
Drain pump			PMD-12D13ST-8
	Rated	V, W	DC 13 V, 4.2 W
	Drain piping rise height from unit bottom, capacity		850 mm, 400 cc/min

1. 4-Way Cassette (Type U2)

Indoor unit (E)

MODEL No.			**S-56MU2E5B**
Power source			220 - 230 - 240 V, single-phase, 50/60 Hz
Controller P.C.B. Ass'y			ACXA73-2468* (Microprocessor)
Fan (Number...diameter)		mm	Turbo (1...ø485)
Fan motor			
	Model...Nominal output	W	SIC-62FW-D839-1…60 W
	Power source		280 VDC
	No. of pole...r.p.m. (230V)	rpm	8P…360
	Run capacitor	VAC, F	-
Safety device			Over current, Rotating signal detection, Fuse
Electronic expansion valve			
	Coil		UKV-A462
	Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46
	Valve body		UKV-25D32
Heat exchanger			
	Coil		Aluminium plate fin / Copper tube
	Rows...fin pitch	mm	2...1.21
	Face area	m^2	0.359
Panel			
	Model No.		CZ-KPU3
	Auto louver motor		MSBPC20A20
	Coil resistance	Ω	300 Ω ± 7% / phase
Drain pump			PMD-12D13ST-8
	Rated	V, W	DC 13 V, 4.2 W
	Drain piping rise height from unit bottom, capacity		850 mm, 400 cc/min

1. 4-Way Cassette (Type U2)

Indoor unit (F)

MODEL No.			**S-60MU2E5B**
Power source			220 - 230 - 240 V, single-phase, 50/60 Hz
Controller P.C.B. Ass'y			ACXA73-2468* (Microprocessor)
Fan (Number...diameter)		mm	Turbo (1...ø485)
Fan motor			
	Model...Nominal output	W	SIC-62FW-D839-1…60 W
	Power source		280 VDC
	No. of pole...r.p.m. (230V)	rpm	8P…420
	Run capacitor	VAC, F	-
Safety device			Over current, Rotating signal detection, Fuse
Electronic expansion valve			
	Coil		UKV-A462
	Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46
	Valve body		UKV-25D32
Heat exchanger			
	Coil		Aluminium plate fin / Copper tube
	Rows...fin pitch	mm	2...1.21
	Face area	m^2	0.359
Panel			
	Model No.		CZ-KPU3
	Auto louver motor		MSBPC20A20
	Coil resistance	Ω	300 Ω ± 7% / phase
Drain pump			PMD-12D13ST-8
	Rated	V, W	DC 13 V, 4.2 W
	Drain piping rise height from unit bottom, capacity		850 mm, 400 cc/min

1. 4-Way Cassette (Type U2)

Indoor unit (G)

MODEL No.			**S-73MU2E5B**
Power source			220 - 230 - 240 V, single-phase, 50/60 Hz
Controller P.C.B. Ass'y			ACXA73-2468* (Microprocessor)
Fan (Number...diameter)		mm	Turbo (1...ø485)
Fan motor			
	Model...Nominal output	W	SIC-62FW-D839-1…60 W
	Power source		280 VDC
	No. of pole...r.p.m. (230V)	rpm	8P…450
	Run capacitor	VAC, F	-
Safety device			Over current, Rotating signal detection, Fuse
Electronic expansion valve			
	Coil		UKV-A462
	Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46
	Valve body		UKV-25D32
Heat exchanger			
	Coil		Aluminium plate fin / Copper tube
	Rows...fin pitch	mm	2...1.21
	Face area	m^2	0.359
Panel			
	Model No.		CZ-KPU3
	Auto louver motor		MSBPC20A20
	Coil resistance	Ω	300 Ω ± 7% / phase
Drain pump			PMD-12D13ST-8
	Rated	V, W	DC 13 V, 4.2 W
	Drain piping rise height from unit bottom, capacity		850 mm, 400 cc/min

1. 4-Way Cassette (Type U2)

Indoor unit (H)

MODEL No.			**S-90MU2E5B**
Power source			220 - 230 - 240 V, single-phase, 50/60 Hz
Controller P.C.B. Ass'y			ACXA73-2468* (Microprocessor)
Fan (Number...diameter)		mm	Turbo (1...ø485)
Fan motor			
	Model...Nominal output	W	SIC-62FW-D839-1…60 W
	Power source		280 VDC
	No. of pole...r.p.m. (230V)	rpm	8P…460
	Run capacitor	VAC, F	-
Safety device			Over current, Rotating signal detection, Fuse
Electronic expansion valve			
	Coil		UKV-A462
	Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46
	Valve body		UKV-30D33
Heat exchanger			
	Coil		Aluminium plate fin / Copper tube
	Rows...fin pitch	mm	2...1.21
	Face area	m^2	0.359
Panel			
	Model No.		CZ-KPU3
	Auto louver motor		MSBPC20A20
	Coil resistance	Ω	300 Ω ± 7% / phase
Drain pump			PMD-12D13ST-8
	Rated	V, W	DC 13 V, 4.2 W
	Drain piping rise height from unit bottom, capacity		850 mm, 400 cc/min

1. 4-Way Cassette (Type U2)

Indoor unit (I)

MODEL No.			**S-106MU2E5B**
Power source			220 - 230 - 240 V, single-phase, 50/60 Hz
Controller P.C.B. Ass'y			ACXA73-2468* (Microprocessor)
Fan (Number...diameter)		mm	Turbo (1...ø485)
Fan motor			
	Model...Nominal output	W	SIC-72FW-D895-1…90 W
	Power source		280 VDC
	No. of pole...r.p.m. (230V)	rpm	8P…570
	Run capacitor	VAC, F	-
Safety device			Over current, Rotating signal detection, Fuse
Electronic expansion valve			
	Coil		UKV-A462
	Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46
	Valve body		UKV-30D33
Heat exchanger			
	Coil		Aluminium plate fin / Copper tube
	Rows...fin pitch	mm	2...1.21
	Face area	m^2	0.359
Panel			
	Model No.		CZ-KPU3
	Auto louver motor		MSBPC20A20
	Coil resistance	Ω	300 Ω ± 7% / phase
Drain pump			PMD-12D13ST-8
	Rated	V, W	DC 13 V, 4.2 W
	Drain piping rise height from unit bottom, capacity		850 mm, 400 cc/min

1. 4-Way Cassette (Type U2)

Indoor unit (J)

MODEL No.			**S-140MU2E5B**
Power source			220 - 230 - 240 V, single-phase, 50/60 Hz
Controller P.C.B. Ass'y			ACXA73-2468* (Microprocessor)
Fan (Number...diameter)		mm	Turbo (1...ø485)
Fan motor			
	Model...Nominal output	W	SIC-72FW-D895-1…90 W
	Power source		280 VDC
	No. of pole...r.p.m. (230V)	rpm	8P…590
	Run capacitor	VAC, F	-
Safety device			Over current, Rotating signal detection, Fuse
Electronic expansion valve			
	Coil		UKV-A462
	Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46
	Valve body		UKV-30D33
Heat exchanger			
	Coil		Aluminium plate fin / Copper tube
	Rows...fin pitch	mm	2...1.21
	Face area	m^2	0.359
Panel			
	Model No.		CZ-KPU3
	Auto louver motor		MSBPC20A20
	Coil resistance	Ω	300 Ω ± 7% / phase
Drain pump			PMD-12D13ST-8
	Rated	V, W	DC 13 V, 4.2 W
	Drain piping rise height from unit bottom, capacity		850 mm, 400 cc/min

1. 4-Way Cassette (Type U2)

Indoor unit (K)

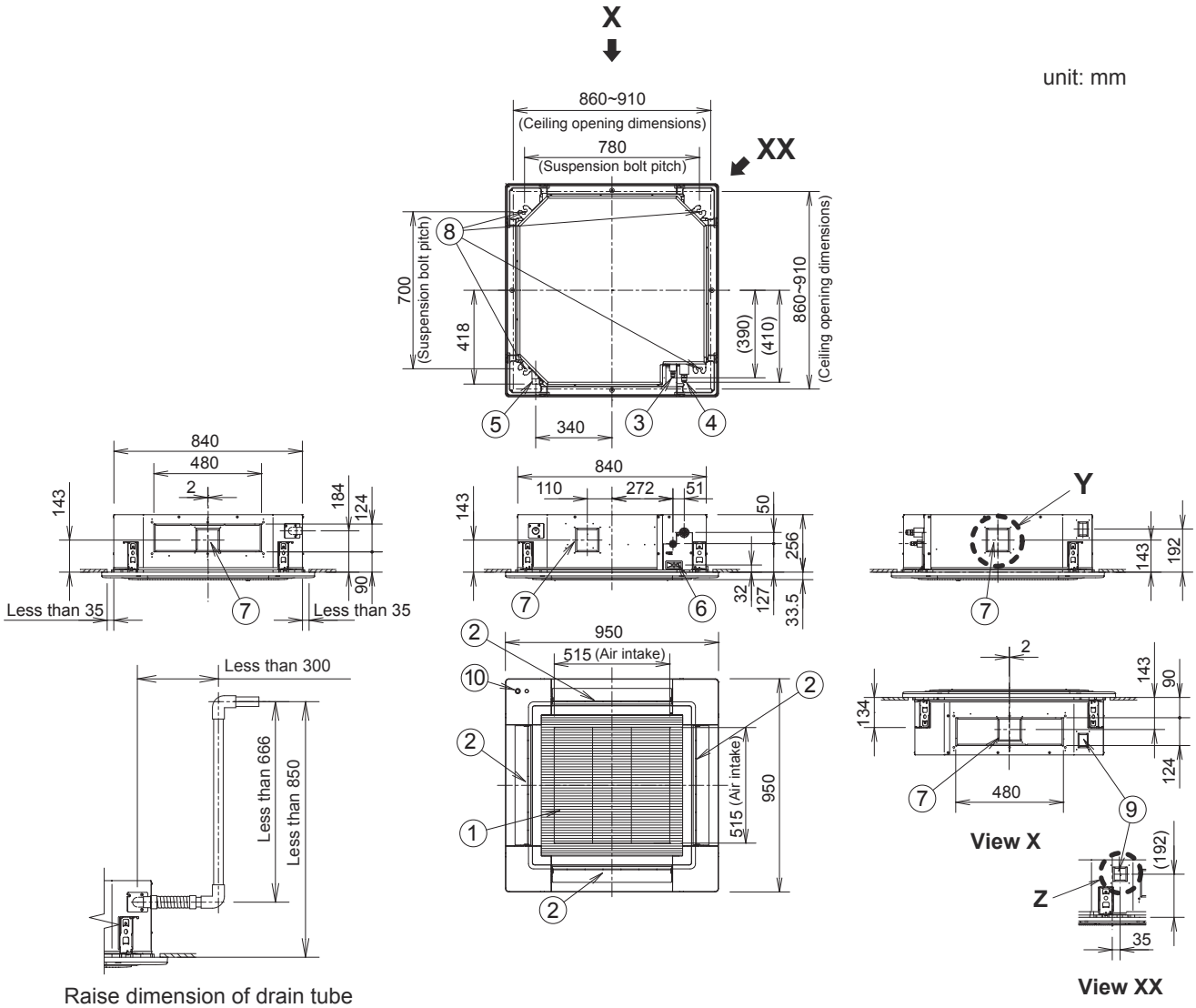
MODEL No.			**S-160MU2E5B**
Power source			220 - 230 - 240 V, single-phase, 50/60 Hz
Controller P.C.B. Ass'y			ACXA73-2468* (Microprocessor)
Fan (Number...diameter)		mm	Turbo (1...ø485)
Fan motor			
	Model...Nominal output	W	SIC-72FW-D895-1…90 W
	Power source		280 VDC
	No. of pole...r.p.m. (230V)	rpm	8P…610
	Run capacitor	VAC, F	-
Safety device			Over current, Rotating signal detection, Fuse
Electronic expansion valve			
	Coil		UKV-A462
	Coil resistance (at 20°C)	Ω	ORG – GRY : 46 YEL – GRY : 46 RED – GRY : 46 BLK – GRY : 46
	Valve body		UKV-30D33
Heat exchanger			
	Coil		Aluminium plate fin / Copper tube
	Rows...fin pitch	mm	2...1.21
	Face area	m^2	0.359
Panel			
	Model No.		CZ-KPU3
	Auto louver motor		MSBPC20A20
	Coil resistance	Ω	300 Ω ± 7% / phase
Drain pump			PMD-12D13ST-8
	Rated	V, W	DC 13 V, 4.2 W
	Drain piping rise height from unit bottom, capacity		850 mm, 400 cc/min

1. 4-Way Cassette (Type U2)

1-3. Dimensional Data

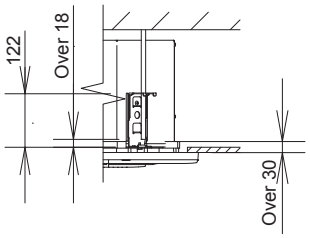
Indoor Units: S-22MU2E5B, S-28MU2E5B, S-36MU2E5B, S-45MU2E5B, S-56MU2E5B, S-60MU2E5B S-73MU2E5B, S-90MU2E5B

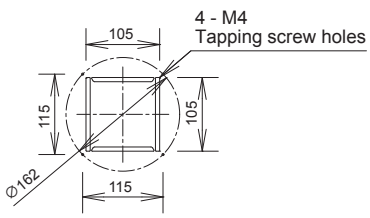
unit: mm



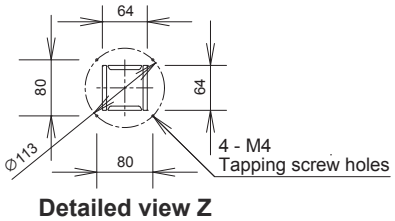
Raise dimension of drain tube

The length of the suspension bolts should be selected so that there is a gap of 30 mm or more below the lower surface of the ceiling (18 mm or more below the lower surface of the main unit), as shown in the figure at right. If the suspension bolt is too long, it will contact the ceiling panel and the unit cannot be installed.





Detailed view Y



Detailed view Z

①	Air intake
②	Discharge outlet
③	Refrigerant tubing (liquid tube) 22-56 type ø6.35 (flared), 60-90 type ø9.52 (flared)
④	Refrigerant tubing (gas tube) 22-56 type ø12.7 (flared), 60-90 type ø15.88 (flared)
⑤	Drain tube connection port VP25 (outer dia. ø32)
⑥	Power supply port
⑦	Discharge duct connection port (ø150)
⑧	Suspension bolt hole (4-12×30 elongated hole)
⑨	Fresh air intake duct connection port (ø100) *
⑩	ECONAVI sensor (Only CZ-KPU3A)

* Necessary to attach duct connecting flange(field supplied).

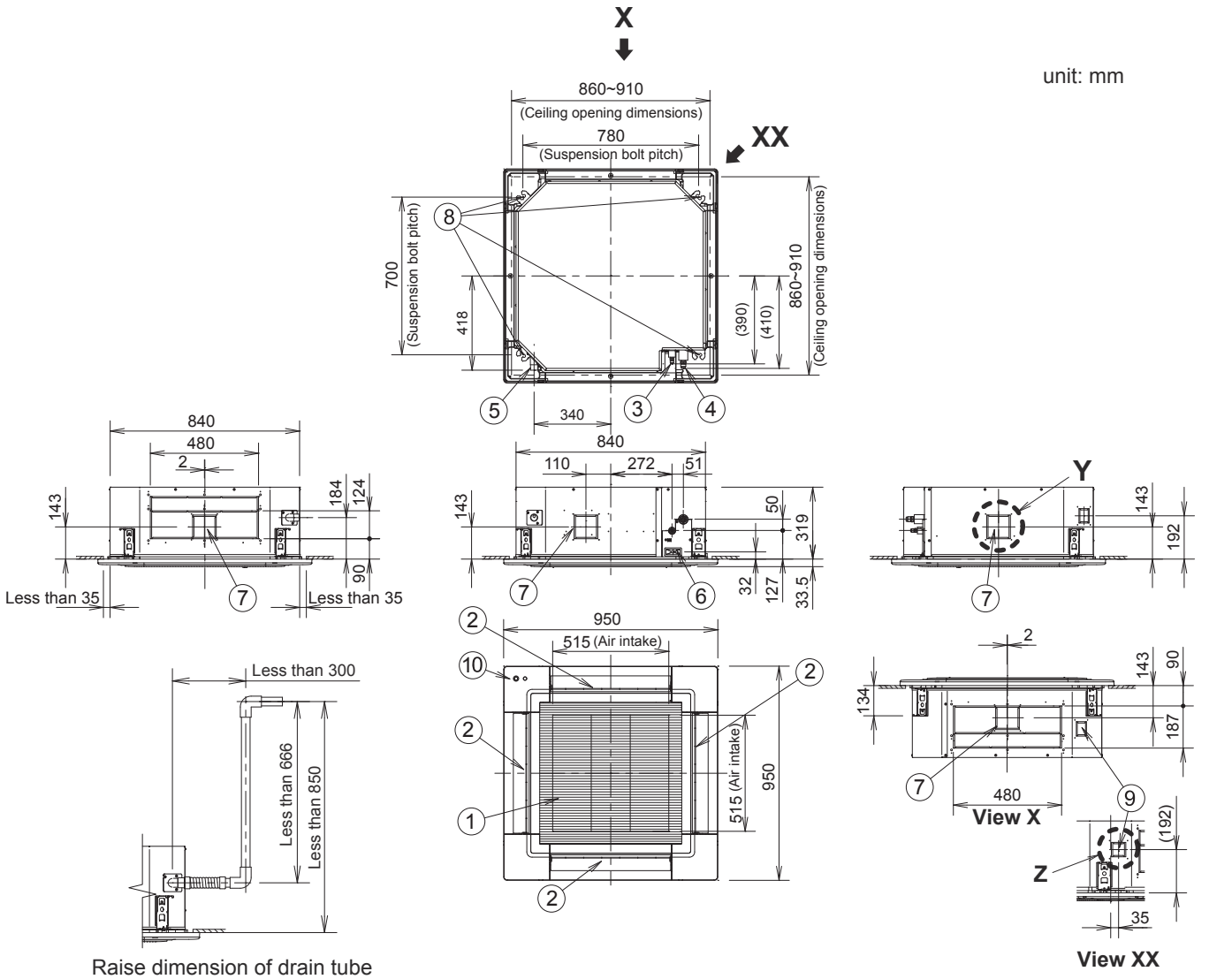
<Filter dimension>

520 × 520 × 15

1. 4-Way Cassette (Type U2)

Indoor Units: S-106MU2E5B, S-140MU2E5B, S-160MU2E5B

unit: mm



Raise dimension of drain tube

The length of the suspension bolts should be selected so that there is a gap of 30 mm or more below the lower surface of the ceiling (18 mm or more below the lower surface of the main unit), as shown in the figure at right. If the suspension bolt is too long, it will contact the ceiling panel and the unit cannot be installed.

①	Air intake
②	Discharge outlet
③	Refrigerant tubing (liquid tube) ø9.52 (flared)
④	Refrigerant tubing (gas tube) ø15.88 (flared)
⑤	Drain tube connection port VP25 (outer dia. ø32)
⑥	Power supply port
⑦	Discharge duct connection port (ø150)
⑧	Suspension bolt hole (4-12×30 elongated hole)
⑨	Fresh air intake duct connection port (ø100) *
⑩	ECONAVI sensor (Only CZ-KPU3A)

* Necessary to attach duct connecting flange(field supplied).

<Filter dimension>

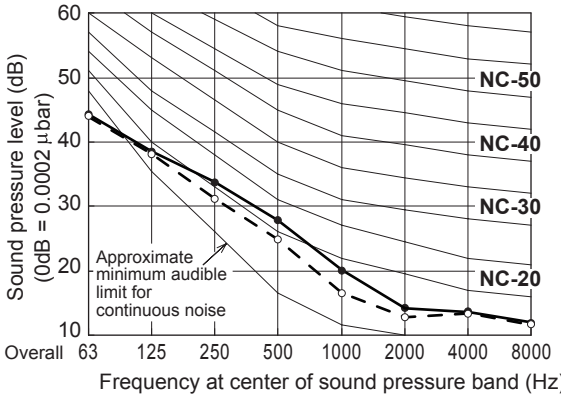
520 × 520 × 15

1. 4-Way Cassette (Type U2)

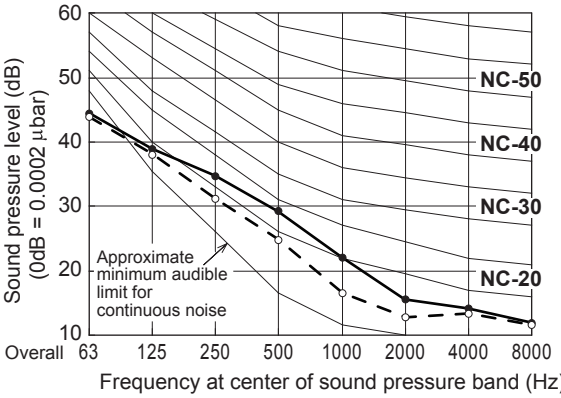
1-4. Noise Criterion Curves

Both 50Hz and 60Hz
High
Low

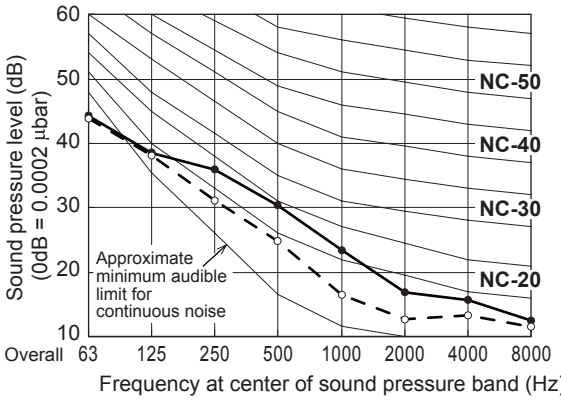
MODEL	: S-22MU2E5B, 28MU2E5B, 36MU2E5B	
SOUND LEVEL	: HIGH	30 dB(A)
	LOW	28 dB(A)
CONDITION	: 1.5 m directly below unit	



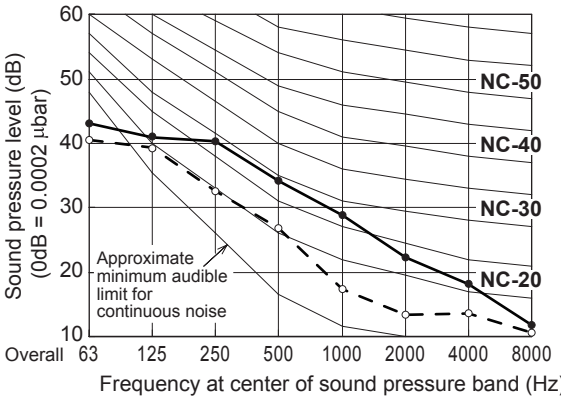
MODEL	: S-45MU2E5B	
SOUND LEVEL	: HIGH	31 dB(A)
	LOW	28 dB(A)
CONDITION:	1.5 m directly below unit	



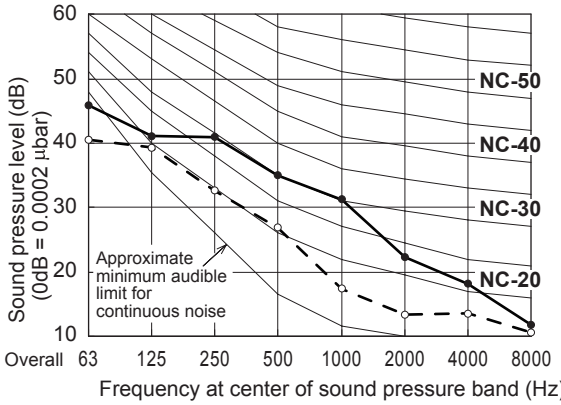
MODEL	: S-56MU2E5B	
SOUND LEVEL	: HIGH	32 dB(A)
	LOW	28 dB(A)
CONDITION	: 1.5 m directly below unit	



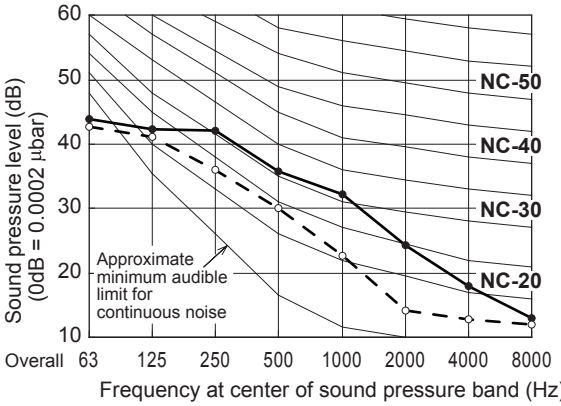
MODEL:	S-60MU2E5B	
SOUND LEVEL:	HIGH	36 dB(A)
	LOW	29 dB(A)
CONDITION:	1.5 m directly below unit	



MODEL	: S-73MU2E5B	
SOUND LEVEL	: HIGH	37 dB(A)
	LOW	29 dB(A)
CONDITION	: 1.5 m directly below unit	



MODEL:	S-90MU2E5B	
SOUND LEVEL:	HIGH	38 dB(A)
	LOW	32 dB(A)
CONDITION:	1.5 m directly below unit	

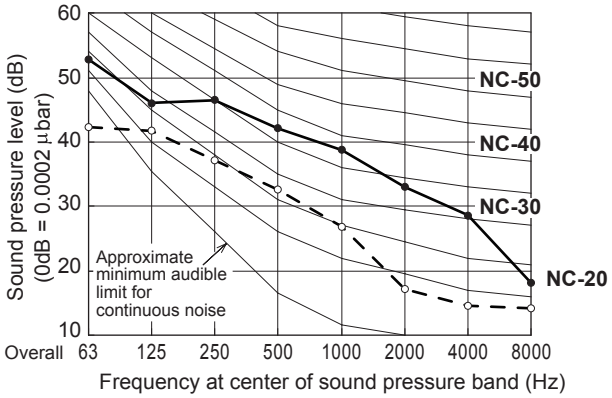


4

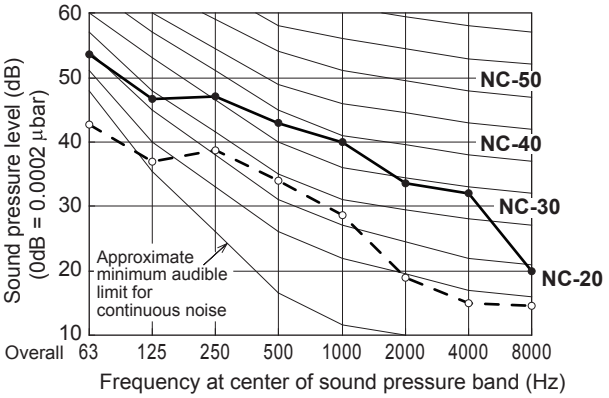
1. 4-Way Cassette (Type U2)

Both 50Hz and 60Hz
High
Low

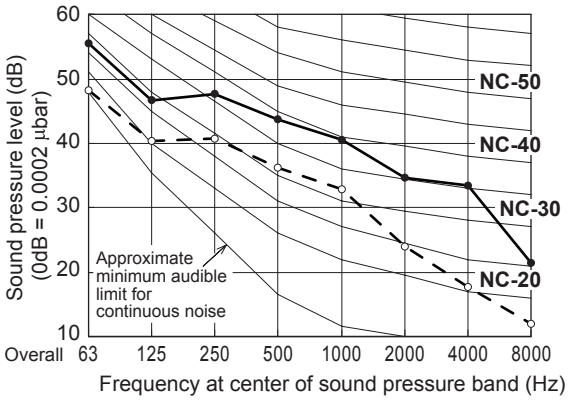
MODEL	: S-106MU2E5B	
SOUND LEVEL	: HIGH	44 dB(A)
	LOW	34 dB(A)
CONDITION	: 1.5 m directly below unit	



MODEL	: S-140MU2E5B	
SOUND LEVEL	: HIGH	45 dB(A)
	LOW	35 dB(A)
CONDITION:	1.5 m directly below unit	



MODEL	: S-160MU2E5B	
SOUND LEVEL	: HIGH	46 dB(A)
	LOW	38 dB(A)
CONDITION	: 1.5 m directly below unit	



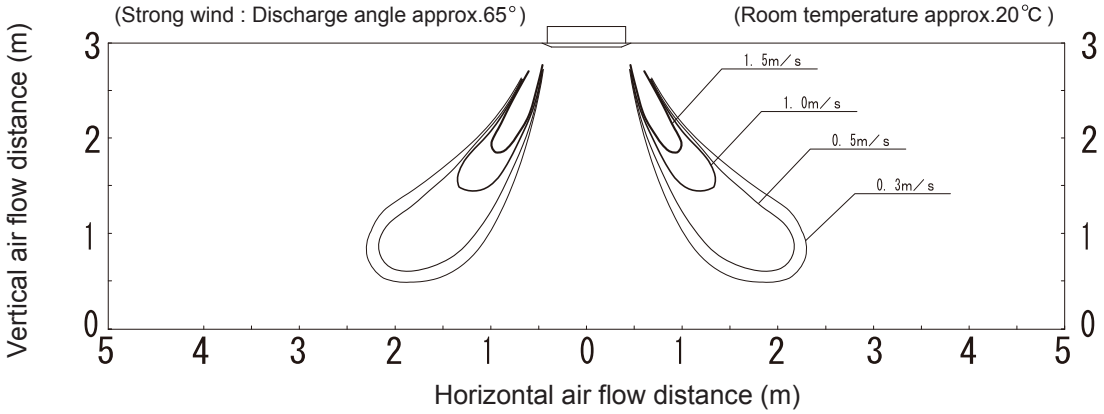
4

1. 4-Way Cassette (Type U2)

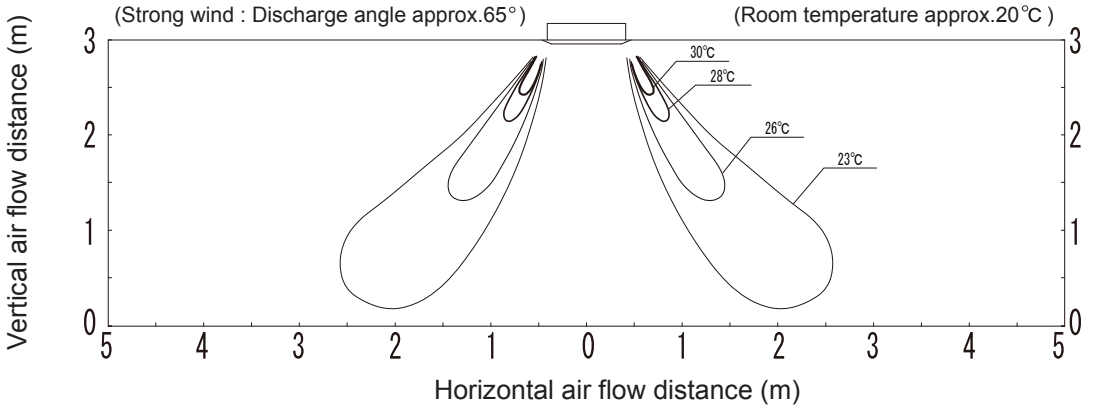
1-5. Air Flow Distance / Temperature Chart

S-22MU2E5B, S-28MU2E5B

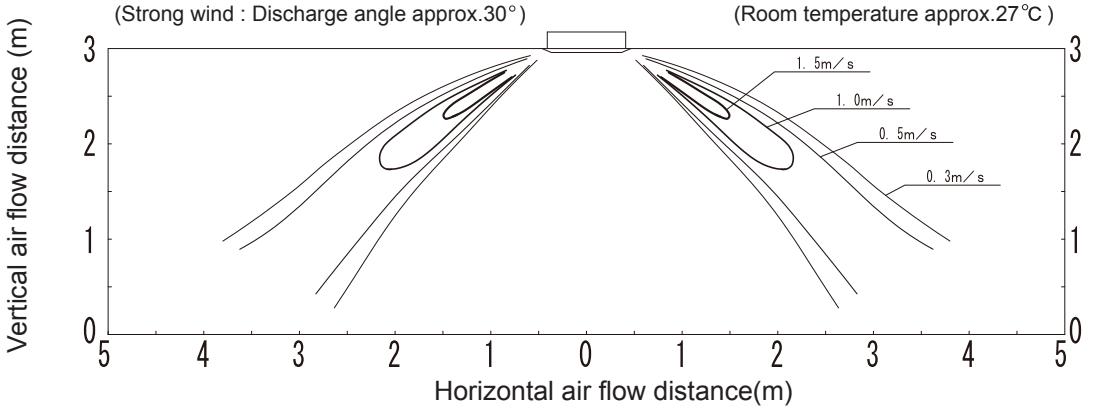
Heating : Distribution of wind velocity



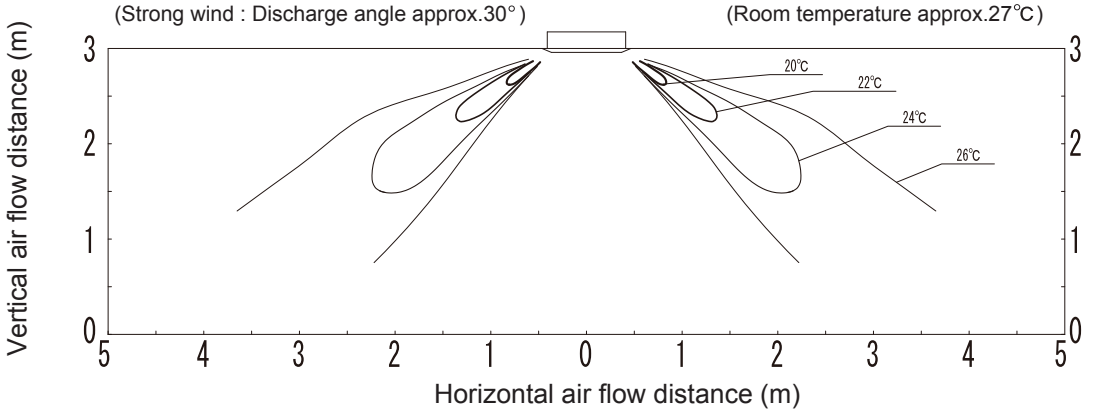
Heating : Distribution of temperature



Cooling : Distribution of wind velocity



Cooling : Distribution of temperature

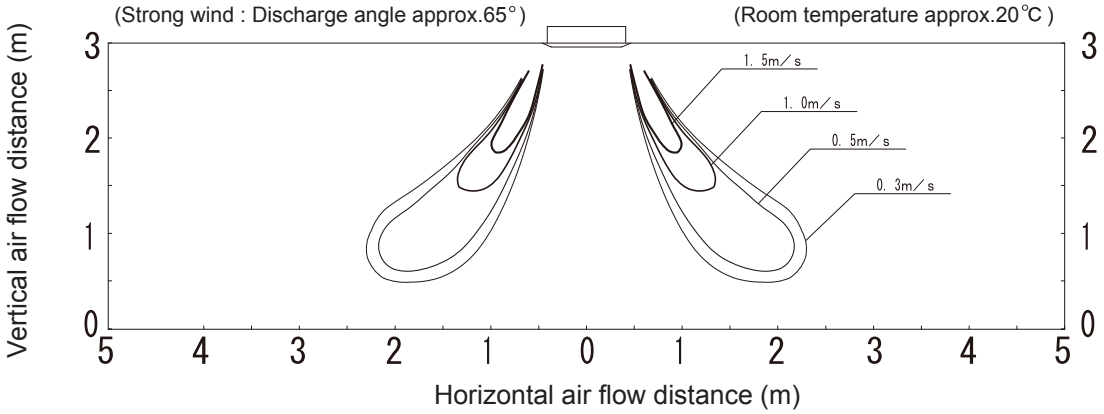


4

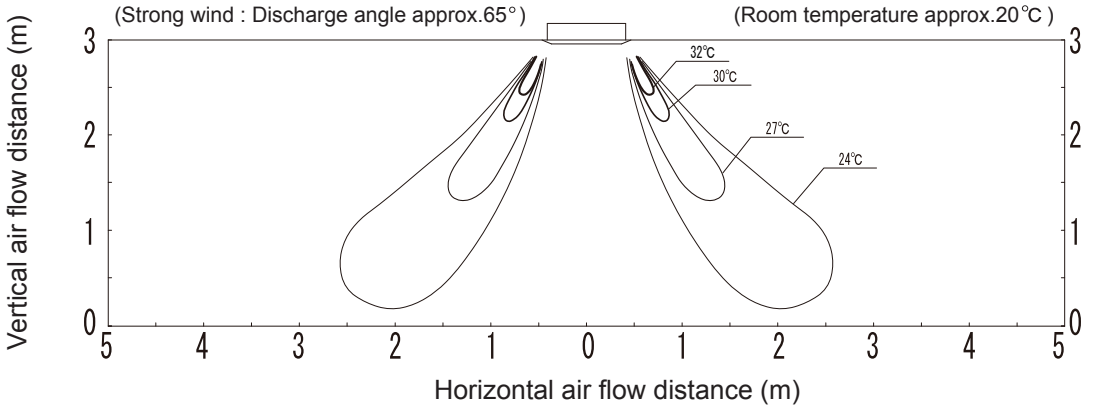
1. 4-Way Cassette (Type U2)

S-36MU2E5B, S-45MU2E5B, S-56MU2E5B

Heating : Distribution of wind velocity



Heating : Distribution of temperature



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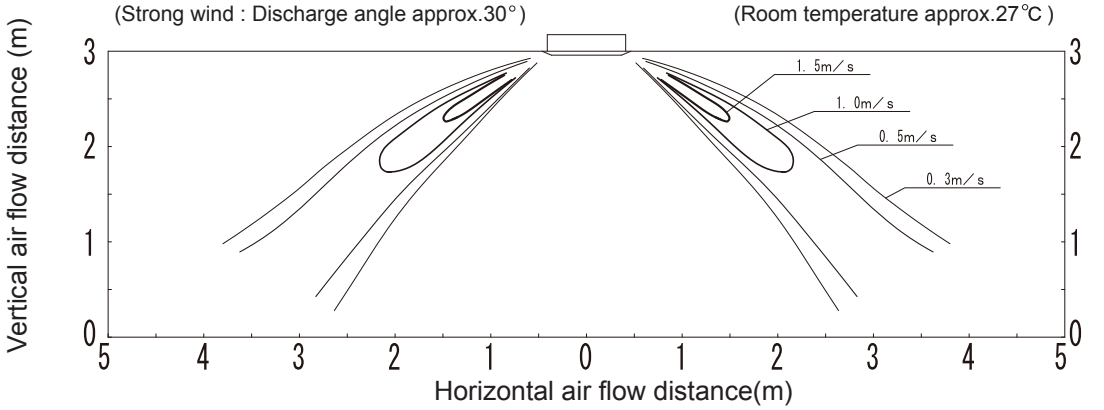
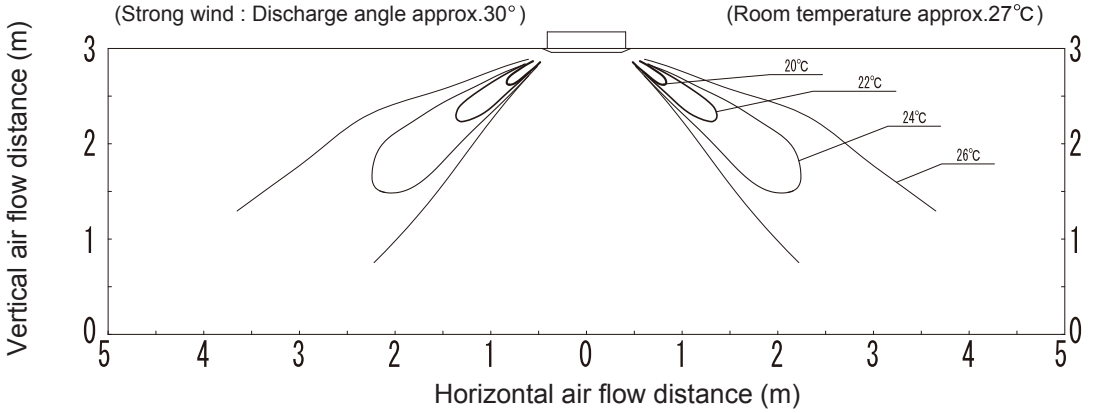
Cooling : Distribution of wind velocity



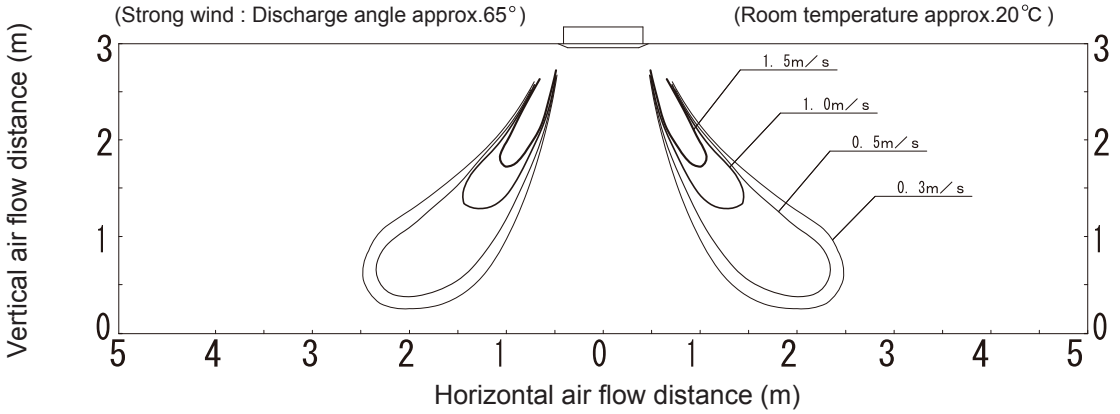
Cooling : Distribution of temperature



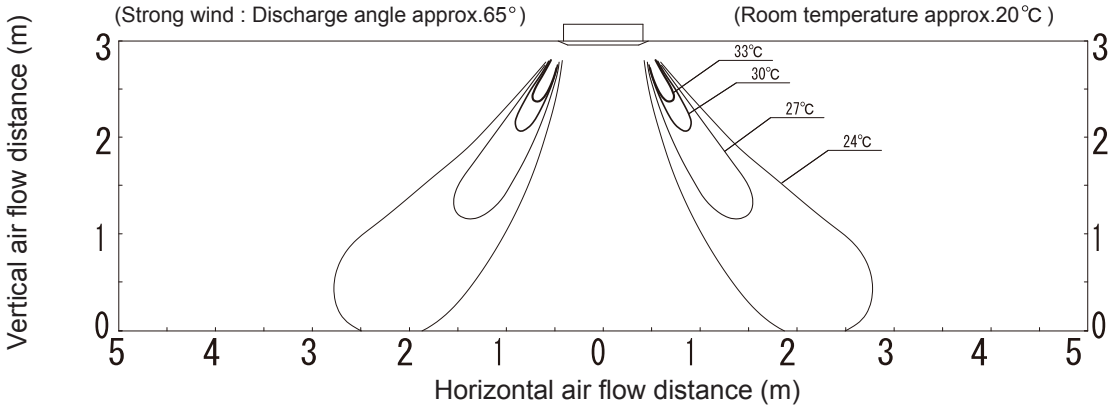
1. 4-Way Cassette (Type U2)

S-60MU2E5B, S-73MU2E5B, S-90MU2E5B

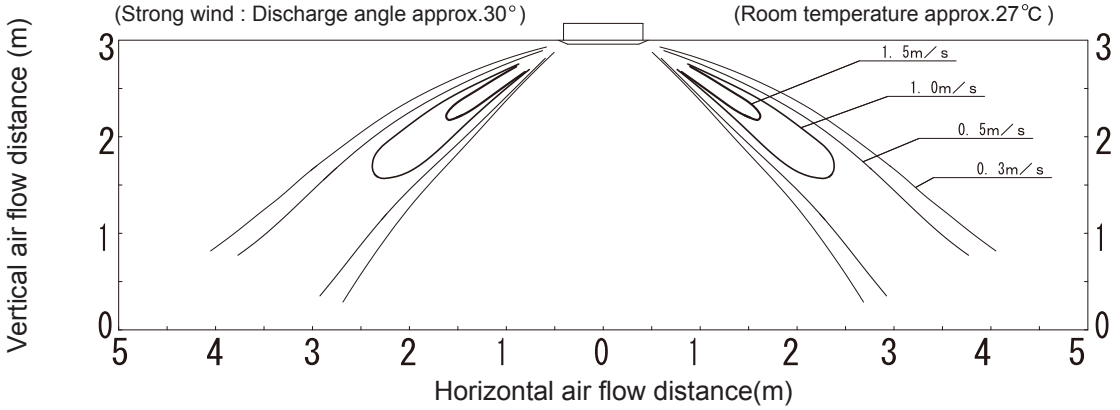
Heating : Distribution of wind velocity



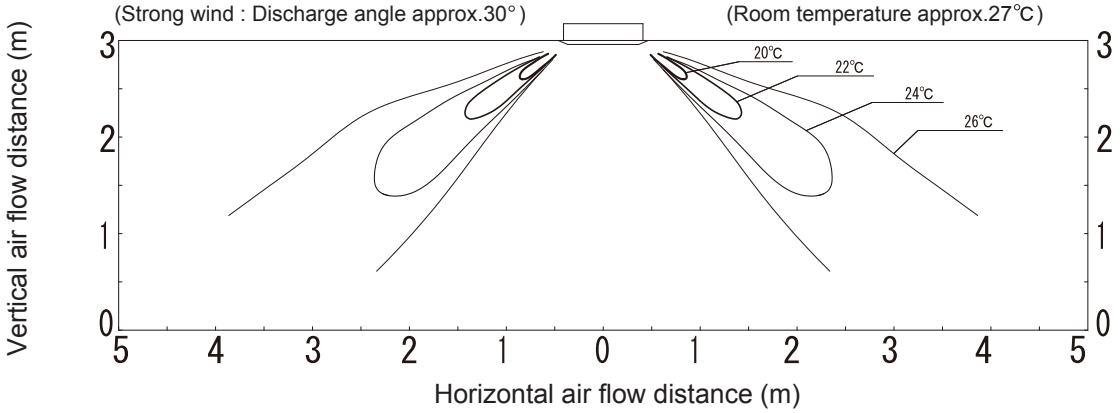
Heating : Distribution of temperature



Cooling : Distribution of wind velocity



Cooling : Distribution of temperature

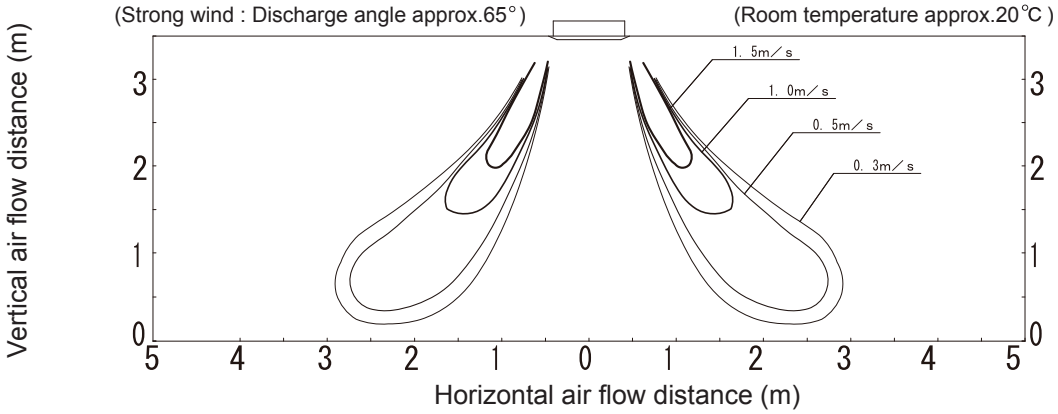


4

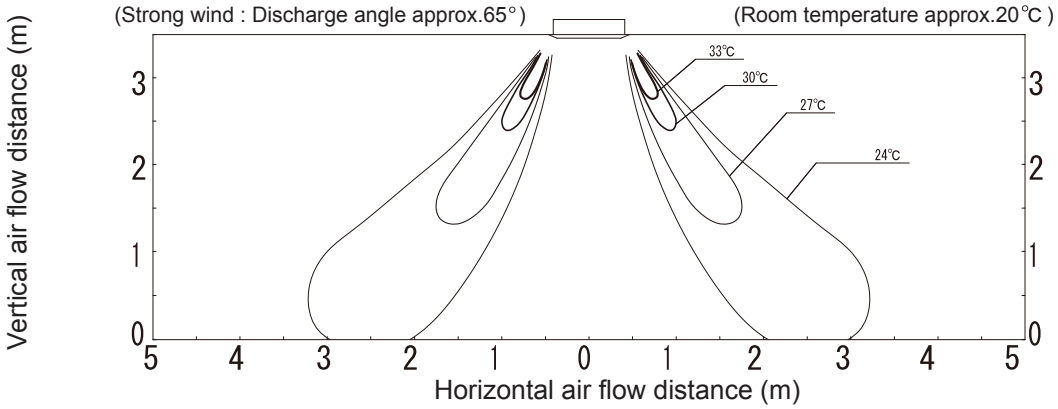
1. 4-Way Cassette (Type U2)

S-106MU2E5B, S-140MU2E5B, S-160MU2E5B

Heating : Distribution of wind velocity

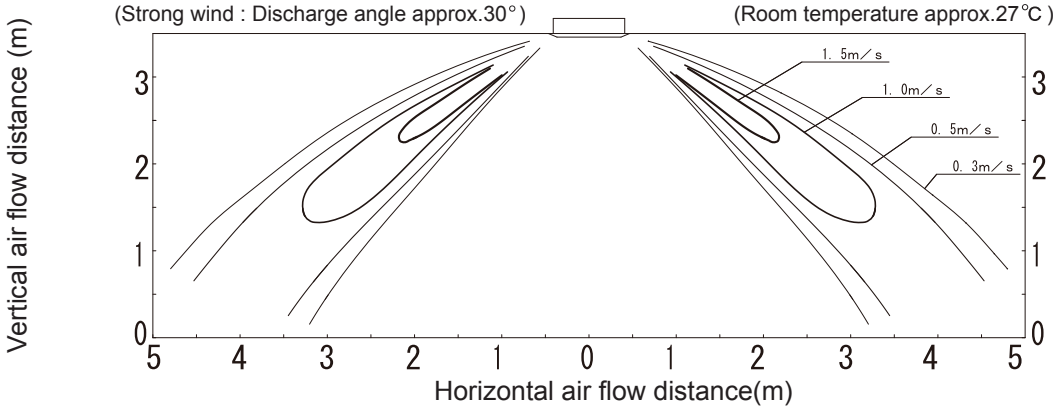


Heating : Distribution of temperature

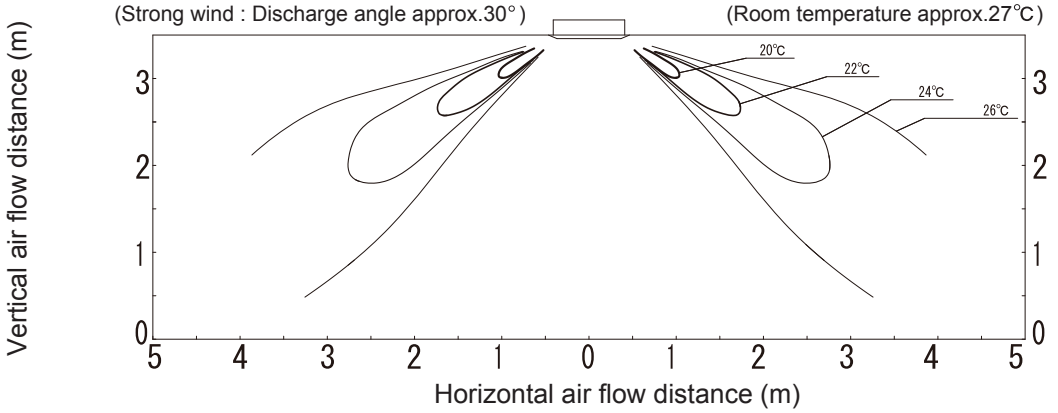


4

Cooling : Distribution of wind velocity

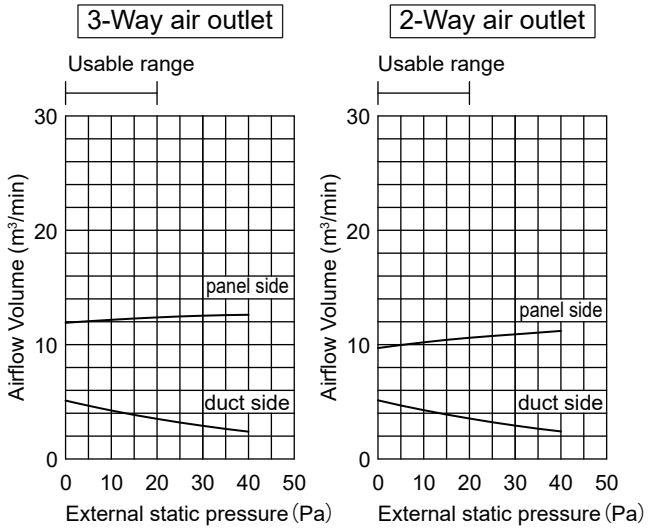


Cooling : Distribution of temperature

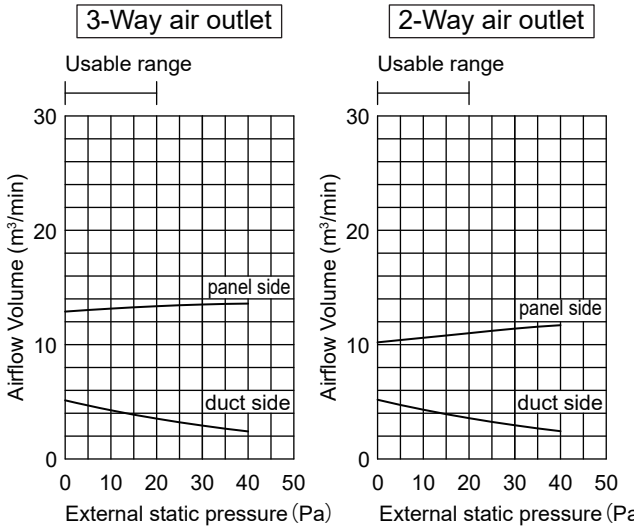


1. 4-Way Cassette (Type U2)

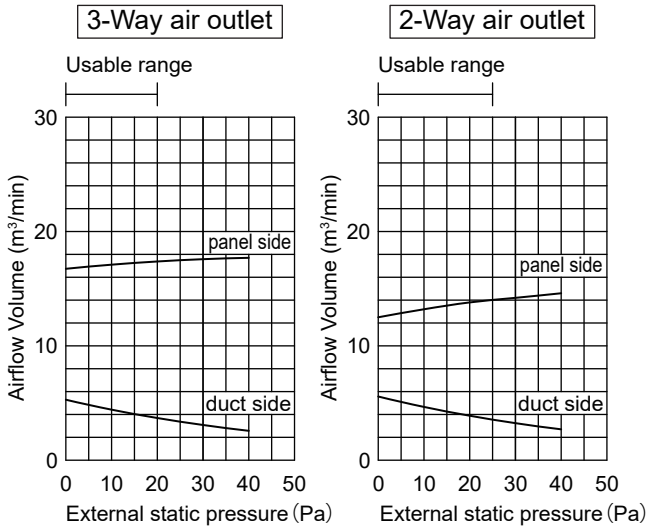
・S-22MU2E5B,S-28MU2E5B,S-36MU2E5B, S-45MU2E5B



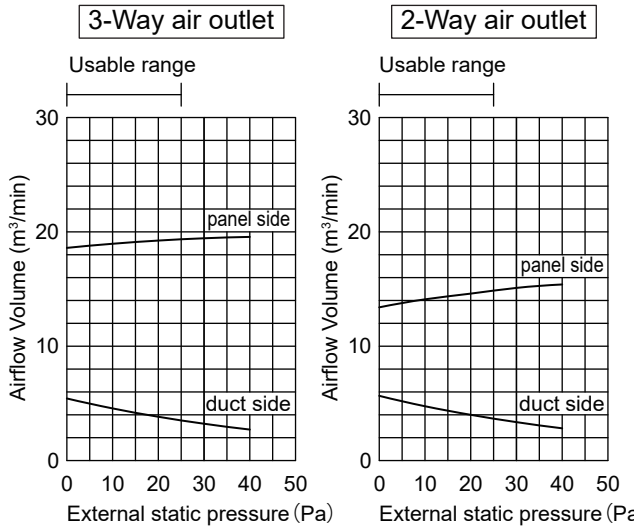
・S-56MU2E5B



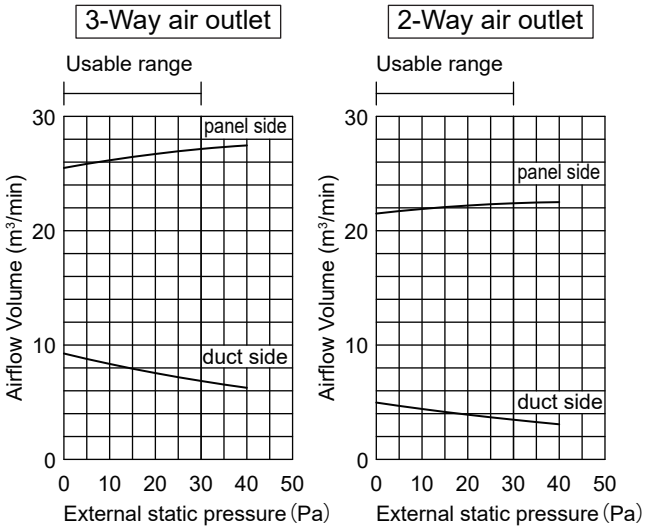
・S-60MU2E5B,S-73MU2E5B



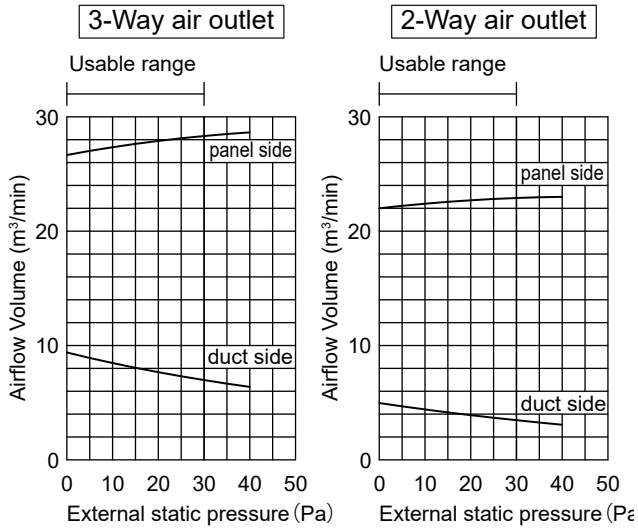
・S-90MU2E5B



・S-106MU2E5B



・S-140MU2E5B, S-160MU2E5B



4