

# 1. 4-Way Cassette (Type U2)

## 1-1. Specifications

### Unit Specifications (A)

INDOOR		MODEL	S-22MU2E5BN			S-28MU2E5BN			S-36MU2E5BN		
PANEL		MODEL	Standard type:CZ-KPU3H or CZ-KPU3W / ECONAVI type:CZ-KPU3A or CZ-KPU3AW								
Performance test condition			ISO15042 / AS/NZS3823.1 / EN14511 / EN12102								
Power supply			1ø 50/60Hz			1ø 50/60Hz			1ø 50/60Hz		
			220V	230V	240V	220V	230V	240V	220V	230V	240V
C O O L I N G	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	2.0	2.0	2.0	2.5	2.5	2.5	3.2	3.2	3.2
		Latent kW	0.2	0.2	0.2	0.3	0.3	0.3	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	20	20	20	20	20	20
	Annual consumption	W <sup>4</sup>	-	-	-	-	-	-	-	-	-
	EER/EER CLASS	TOTAL(W/W) <sup>5</sup> /(“A”-“G”)	-	-	-	-	-	-	-	-	-
	EER	BTU/hW	-	-	-	-	-	-	-	-	-
	Power factor	%	-	-	-	-	-	-	-	-	-
Noise indoor <sup>6</sup>	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	-			-			-			
H E A T I N G	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
		kcal/h(Fri./h)	-	-	-	-	-	-	-	-	-
	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	20	20	20	20	20	20
	COP/COP CLASS	TOTAL(W/W) <sup>5</sup> /(“A”-“G”)	-	-	-	-	-	-	-	-	-
	COP	BTU/hW	-	-	-	-	-	-	-	-	-
	Power factor	%	-	-	-	-	-	-	-	-	-
	Noise indoor <sup>6</sup>	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)		-			-			-			
Time Delay fuse max size(A)		15			15			15			
Network Impedance(ΩMAX.)		-			-			-			
Fan motor output (Indoor/Outdoor) W		60	/	-	60	/	-	60	/	-	
Moisture removal volume		L/h			0.3			0.4			
External static pressure		Pa			-			0.7			
Indoor air flow <sup>6</sup>	Cooling	m <sup>3</sup> /min (H/M/L)	12.8/12.1/11.5			12.8/12.1/11.5			14.5/13.0/11.5		
	Heating	m <sup>3</sup> /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 <sup>3</sup> /min	-			-			-		
	Heating	m <sup>3</sup> /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			mm 33.5×950×950			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			5			5		
Layers limit (actually)		11 (12)			11 (12)			11 (12)			
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) <sup>7</sup>		(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		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<sup>3</sup>/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.

\* In the case of nanoe X OFF

## 1. 4-Way Cassette (Type U2)

## Unit Specifications (B)

INDOOR		MODEL		S-45MU2E5BN			S-56MU2E5BN			
PANEL		MODEL		Standard type:CZ-KPU3H or CZ-KPU3W / ECONAVI type:CZ-KPU3A or CZ-KPU3AW						
Performance test condition				ISO15042 / AS/NZS3823.1 / EN14511 / EN12102						
Power supply		φ, Hz		1φ 50/60Hz			1φ 50/60Hz			
		V		220V	230V	240V	220V	230V	240V	
C O O L I N G	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	20	20	25	25	25	
	Annual consumption	W <sup>4</sup>		-	-	-	-	-	-	
	EER/EER CLASS	TOTAL(W/W) <sup>5</sup> /(("A"-G*))		-	-	-	-	-	-	
	EER	BTU/hW		-	-	-	-	-	-	
	Power factor	%		-	-	-	-	-	-	
	Noise indoor <sup>6</sup>	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		-			-				
H E A T I N G	Capacity	kW		5.0	5.0	5.0	6.3	6.3	6.3	
		BTU/h		17100	17100	17100	21500	21500	21500	
		kcal/h(Fri./h)		-	-	-	-	-	-	
	Current	A		0.20	0.20	0.19	0.23	0.22	0.21	
	Input power	W		20	20	20	25	25	25	
	COP/COP CLASS	TOTAL(W/W) <sup>5</sup> /(("A"-G*))		-	-	-	-	-	-	
	COP	BTU/hW		-	-	-	-	-	-	
	Power factor	%		-	-	-	-	-	-	
	Noise indoor <sup>6</sup>	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)		-		-		-		-		
Time Delay fuse max size(A)		15		15		15		15		
Network Impedance(ΩMAX.)		-		-		-		-		
Fan motor output (Indoor/Outdoor) W		60		/		60		/		
Moisture removal volume		L/h		1.3		2.2		2.2		
External static pressure		Pa		-		-		-		
Indoor air flow <sup>6</sup>	Cooling	m <sup>3</sup> /min (H/M/L)		15.5/13.0/11.5			16.5/13.5/11.5			
	Heating	m <sup>3</sup> /min (H/M/L)		15.5/13.0/11.5			16.5/13.5/11.5			
Outdoor air flow	Cooling	m <sup>3</sup> /min		-			-			
	Heating	m <sup>3</sup> /min		-			-			
Refrigerant type		R410A, R32		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		mm 33.5×950×950		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		5		5		
Layers limit (actually)		11 (12)		11 (12)		11 (12)		11 (12)		
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)				
	Pipe diameter mm (inch) <sup>7</sup>		(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)			(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)				
	Connect method		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<sup>3</sup>/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.

\* In the case of nanoe X OFF

# 1. 4-Way Cassette (Type U2)

## Unit Specifications (C)

INDOOR		MODEL	S-60MU2E5BN			S-73MU2E5BN			S-90MU2E5BN		
PANEL		MODEL	Standard type:CZ-KPU3H 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
C O O L I N G	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	35	35	40	40	40	40	40	40
	Annual consumption	W <sup>4</sup>	-	-	-	-	-	-	-	-	-
	EER/EER CLASS	TOTAL(W/W) <sup>5</sup> (("A"~"G")	-	-	-	-	-	-	-	-	-
	EER	BTU/hW	-	-	-	-	-	-	-	-	-
	Power factor	%	-	-	-	-	-	-	-	-	-
Noise indoor <sup>6</sup>	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	-			-			-			
H E A T I N G	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
		kcal/h(Fri./h)	-	-	-	-	-	-	-	-	-
	Current	A	0.33	0.32	0.31	0.36	0.35	0.34	0.38	0.37	0.36
	Input power	W	35	35	35	40	40	40	40	40	40
	COP/COP CLASS	TOTAL(W/W) <sup>5</sup> (("A"~"G")	-	-	-	-	-	-	-	-	-
	COP	BTU/hW	-	-	-	-	-	-	-	-	-
	Power factor	%	-	-	-	-	-	-	-	-	-
	Noise indoor <sup>6</sup>	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)		-									
Time Delay fuse max size(A)		15			15			15			
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 <sup>6</sup>	Cooling	m <sup>3</sup> /min (H/M/L)	21.0/16.0/13.0			22.5/16.0/13.0			23.0/18.5/14.0		
	Heating	m <sup>3</sup> /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	m <sup>3</sup> /min	-								
	Heating	m <sup>3</sup> /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	33.5×950×950			33.5×950×950			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			5			5		
Layers limit (actually)		11 (12)			11 (12)			11 (12)			
Operation condition		Cool (DBT)	-								
		Heat (DBT)	-								
P I P E I N G	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) <sup>7,8</sup>		(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		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<sup>3</sup>/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.

\* In the case of nanoe X OFF

## 1. 4-Way Cassette (Type U2)

## Unit Specifications (D)

INDOOR		MODEL	S-106MU2E5BN			S-112MU2E5BN			S-140MU2E5BN		
PANEL		MODEL	Standard type:CZ-KPU3H or CZ-KPU3W / ECONAVI type:CZ-KPU3A or CZ-KPU3AW								
Performance test condition		ISO15042 / AS/NZS3823.1 / EN14511 / EN12102									
Power supply		φ, Hz	1φ 50/60Hz			1φ 50/60Hz			1φ 50/60Hz		
		V	220V	230V	240V	220V	230V	240V	220V	230V	240V
C O O L I N G	Capacity	kW	10.6	10.6	10.6	11.2	11.2	11.2	14.0	14.0	14.0
		BTU/h	36200	36200	36200	38200	38200	38200	47800	47800	47800
		Sensible kW	8.3	8.3	8.3	8.8	8.8	8.8	10.0	10.0	10.0
		Latent kW	2.3	2.3	2.3	2.4	2.4	2.4	4.0	4.0	4.0
	Current	A	0.74	0.71	0.68	0.77	0.74	0.71	0.77	0.74	0.71
	Input power	W	90	90	90	95	95	95	95	95	95
	Annual consumption	W <sup>4</sup>	-	-	-	-	-	-	-	-	-
	EER/EER CLASS	TOTAL(W/W) <sup>5</sup> /(("A"-G*))	-	-	-	-	-	-	-	-	-
	EER	BTU/hW	-	-	-	-	-	-	-	-	-
	Power factor	%	-	-	-	-	-	-	-	-	-
	Noise indoor <sup>6</sup>	dB-A (H/M/L)	44/38/34			45/39/35			45/39/35		
		Power Level dB	59/53/49			60/54/50			60/54/50		
Noise outdoor	dB-A (H/L)	-			-			-			
	Power Level dB	-			-			-			
H E A T I N G	Capacity	kW	11.4	11.4	11.4	14.0	14.0	14.0	16.0	16.0	16.0
		BTU/h	38900	38900	38900	47800	47800	47800	54600	54600	54600
		kcal/h(Fri./h)	-	-	-	-	-	-	-	-	-
	Current	A	0.72	0.69	0.66	0.75	0.72	0.69	0.75	0.72	0.69
	Input power	W	85	85	85	90	90	90	90	90	90
	COP/COP CLASS	TOTAL(W/W) <sup>5</sup> /(("A"-G*))	-	-	-	-	-	-	-	-	-
	COP	BTU/hW	-	-	-	-	-	-	-	-	-
	Power factor	%	-	-	-	-	-	-	-	-	-
	Noise indoor <sup>6</sup>	dB-A (H/M/L)	44/38/34			45/39/35			45/39/35		
		Power Level dB	59/53/49			60/54/50			60/54/50		
	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)		-			-			-			
Time Delay fuse max size(A)		15			15			15			
Network Impedance(ΩMAX.)		-			-			-			
Fan motor output (Indoor/Outdoor) W		90	/	-	90	/	-	90	/	-	
Moisture removal volume		L/h	3.6			3.8			6.3		
External static pressure		Pa	-			-			-		
Indoor air flow <sup>6</sup>	Cooling	m <sup>3</sup> /min (H/M/L)	34.0/25.0/19.0			36.0/26.0/20.0			36.0/26.0/20.0		
	Heating	m <sup>3</sup> /min (H/M/L)	34.0/25.0/19.0			36.0/26.0/20.0			36.0/26.0/20.0		
Outdoor air flow	Cooling	m <sup>3</sup> /min	-			-			-		
	Heating	m <sup>3</sup> /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	33.5×950×950			33.5×950×950			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			5			5		
Layers limit (actually)			11 (12)			11(12)			11(12)		
Operation condition	Cool (DBT)		-			-			-		
	Heat (DBT)		-			-			-		
P I P I N G	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) <sup>7</sup>		(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		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<sup>3</sup>/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.

\* In the case of nanoe X OFF

## 1. 4-Way Cassette (Type U2)

## Unit Specifications (E)

INDOOR		MODEL	S-160MU2E5BN					
PANEL		MODEL	Standard type:CZ-KPU3H or CZ-KPU3W / ECONAVI type:CZ-KPU3A or CZ-KPU3AW					
Performance test condition			ISO15042 / AS/NZS3823.1 / EN14511 / EN12102					
Power supply		φ, Hz	1φ 50/60Hz					
		V	220V	230V	240V			
C O O L I N G	Capacity	kW	16.0	16.0	16.0			
		BTU/h	54600	54600	54600			
		Sensible kW	11.0	11.0	11.0			
		Latent kW	5.0	5.0	5.0			
	Current	A	0.85	0.82	0.79			
	Input power	W	105	105	105			
	Annual consumption	W <sup>4</sup>	-	-	-			
	EER/EER CLASS	TOTAL(W/W) <sup>5</sup> /(°A°-°G°)	-	-	-			
	EER	BTU/hW	-	-	-			
	Power factor	%	-	-	-			
	Noise indoor <sup>6</sup>	dB-A (H/M/L)	46/40/38					
		Power Level dB	61/55/53					
	Noise outdoor	dB-A (H/L)	-					
Power Level dB		-						
H E A T I N G	Capacity	kW	18.0	18.0	18.0			
		BTU/h	61400	61400	61400			
		kcal/h(Fri./h)	-	-	-			
	Current	A	0.83	0.80	0.77			
	Input power	W	100	100	100			
	COP/COP CLASS	TOTAL(W/W) <sup>5</sup> /(°A°-°G°)	-	-	-			
	COP	BTU/hW	-	-	-			
	Power factor	%	-	-	-			
	Noise indoor <sup>6</sup>	dB-A (H/M/L)	46/40/38					
		Power Level dB	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				
Heating	Max Current(A)/Max Input power(W)	1.17/125	1.13/125	1.09/125				
Starting current(A)/Comp output(W)		-						
Time Delay fuse max size(A)		15						
Network Impedance(ΩMAX.)		-						
Fan motor output (Indoor/Outdoor) W		90	/	-				
Moisture removal volume		L/h	7.9					
External static pressure		Pa	-					
Indoor air flow <sup>6</sup>	Cooling	m <sup>3</sup> /min (H/M/L)	37.0/28.0/24.0					
	Heating	m <sup>3</sup> /min (H/M/L)	37.0/28.0/24.0					
Outdoor air flow	Cooling	m <sup>3</sup> /min	-					
	Heating	m <sup>3</sup> /min	-					
Refrigerant type		R410A,R32						
Product dimension	Height	mm	319					
	Width	mm	840					
	Depth	mm	840					
Product dimension(PANEL)		H×W×D	mm 33.5×950×950					
Packing dimension	Height	mm	365					
	Width	mm	898					
	Depth	mm	898					
Weight	(NET)	kg	25					
	(GROSS)	kg	32					
	Panel (NET)	kg	5					
Layers limit (actually)		11(12)						
Operation condition	Cool (DBT)	-						
	Heat (DBT)	-						
P I P I N G	Pipe port diameter mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	Pipe diameter mm (inch) <sup>7</sup>		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	Connect method		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<sup>3</sup>/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.

\* In the case of nanoe X OFF