

5. Middle Static Pressure Duct (Type F3)

5-1. Specifications

Unit Specifications (A)

INDOOR			MODEL		S-15MF3E5BN			S-22MF3E5BN			S-28MF3E5BN		
PANEL			MODEL		-								
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		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	1.4	1.4	1.4	2.0	2.0	2.0	2.3	2.3	2.3
			Latent	kW	0.1	0.1	0.1	0.2	0.2	0.2	0.5	0.5	0.5
	Current		A		0.46	0.45	0.44	0.46	0.45	0.44	0.46	0.45	0.44
	Input power		W		60	60	60	60	60	60	60	60	60
	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)		31/28/20			31/28/20			31/28/20			
		Power Level dB		54/51/43			54/51/43			54/51/43			
Noise outdoor		dB-A (H/L)		-			-			-			
		Power Level dB		-			-			-			
H E A T I N G	Capacity		kW		1.7	1.7	1.7	2.5	2.5	2.5	3.2	3.2	3.2
			BTU/h		5800	5800	5800	8500	8500	8500	10900	10900	10900
			kcal/h(Fri./h)		-	-	-	-	-	-	-	-	-
	Current		A		0.46	0.45	0.44	0.46	0.45	0.44	0.46	0.45	0.44
	Input power		W		60	60	60	60	60	60	60	60	60
	COP/COP CLASS		TOTAL(W/W) ⁵ /(“A”-“G”)		-	-	-	-	-	-	-	-	-
	COP		BTU/hW		-	-	-	-	-	-	-	-	-
	Power factor		%		-	-	-	-	-	-	-	-	-
	Noise indoor ^{*6}		dB-A (H/M/L)		31/28/20			31/28/20			31/28/20		
			Power Level dB		54/51/43			54/51/43			54/51/43		
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)				1.46/212	1.46/212	1.46/212	1.46/212	1.46/212	1.46/212	1.46/212	1.46/212	1.46/212
Heating	Max Current(A)/Max Input power(W)				1.46/212	1.46/212	1.46/212	1.46/212	1.46/212	1.46/212	1.46/212	1.46/212	1.46/212
Starting current(A)/Comp output(W)					-	-	-	-	-	-	-	-	-
Time Delay fuse max size(A)					15			15			15		
Network Impedance(ΩMAX.)					-			-			-		
Fan motor output (Indoor/Outdoor) W					107	/	-	107	/	-	107	/	-
Moisture removal volume			L/h	0.1			0.3			0.7			
External static pressure			Pa	30 (MIN10 - MAX150)			30 (MIN10 - MAX150)			30 (MIN10 - MAX150)			
Indoor air flow ^{*6}	Cooling	m³/min (H/M/L)	12.8/11.0/8.0			12.8/11.0/8.0			12.8/11.0/8.0				
	Heating	m³/min (H/M/L)	12.8/11.0/8.0			12.8/11.0/8.0			12.8/11.0/8.0				
Outdoor air flow	Cooling	m³/min	-			-			-				
	Heating	m³/min	-			-			-				
Refrigerant type					R32			R32			R32		
Product dimension	Height		mm	250			250			250			
	Width		mm	800			800			800			
	Depth		mm	730			730			730			
Product dimension(PANEL)		H×W×D	mm	-									
Packing dimension		Height	mm	805			805			805			
		Width	mm	1065			1065			1065			
		Depth	mm	340			340			340			
Weight		(NET)	kg	26			26			26			
		(GROSS)	kg	31			31			31			
		Panel (NET)	kg	-									
Layers limit (actually)					3(4)			3(4)			3(4)		
Operation condition			Cool (DBT)	-			-			-			
			Heat (DBT)	-			-			-			
P I P E I N G	Pipe port diameter mm (inch)				(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)			(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)			(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)		
	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				flared type			flared type			flared type		
	Pipe length range m				~ (~)			~ (~)			~ (~)		
	Indoor unit & Outdoor unit height difference m				-			-			-		
	Add gas amount g/m				-			-			-		
Pipe length for additional gas m					-			-			-		

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

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

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

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

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

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

* In the case of standard installation (Horizontal installation in the ceiling, rear side air intake)

* In the case of nanoe X OFF

5. Middle Static Pressure Duct (Type F3)

Unit Specifications (B)

INDOOR			MODEL		S-36MF3E5BN			S-45MF3E5BN			S-56MF3E5BN		
PANEL			MODEL		-								
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		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	2.8	2.8	2.8	3.4	3.4	3.4	4.1	4.1	4.1	
		Latent	kW	0.8	0.8	0.8	1.1	1.1	1.1	1.5	1.5	1.5	
	Current	A		0.46	0.45	0.44	0.46	0.45	0.44	0.65	0.63	0.61	
	Input power	W		60	60	60	60	60	60	89	89	89	
	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)		31/28/20			31/28/20			35/32/24				
	Power Level dB		54/51/43			54/51/43			58/55/47				
	dB-A (H/L)		-			-			-				
	Power Level dB		-			-			-				
H E A T I N G	Capacity	kW		4.2	4.2	4.2	5.0	5.0	5.0	6.3	6.3	6.3	
		BTU/h		14300	14300	14300	17100	17100	17100	21500	21500	21500	
		kcal/h(Fri./h)		-	-	-	-	-	-	-	-	-	
	Current	A		0.46	0.45	0.44	0.46	0.45	0.44	0.65	0.63	0.61	
	Input power	W		60	60	60	60	60	60	89	89	89	
	COP/COP CLASS	TOTAL(W/W) ⁵ /("A"~"G")		-	-	-	-	-	-	-	-	-	
	COP	BTU/hW		-	-	-	-	-	-	-	-	-	
	Power factor	%		-	-	-	-	-	-	-	-	-	
	Noise indoor ⁶	dB-A (H/M/L)		31/28/20			31/28/20			35/32/24			
		Power Level dB		54/51/43			54/51/43			58/55/47			
dB-A (H/L)		-			-			-					
Power Level dB		-			-			-					
EXTRA LOW TEMP	Capacity(kW)/Input power(W)/COP		-			-			-				
Cooling	Max Current(A)/Max Input power(W)		1.46/212	1.46/212	1.46/212	1.46/212	1.46/212	1.46/212	1.46/212	1.46/212	1.46/212		
Heating	Max Current(A)/Max Input power(W)		1.46/212	1.46/212	1.46/212	1.46/212	1.46/212	1.46/212	1.46/212	1.46/212	1.46/212		
Starting current(A)/Comp output(W)			-	-	-	-	-	-	-	-	-		
Time Delay fuse max size(A)			15			15			15				
Network Impedance(ΩMAX.)			-			-			-				
Fan motor output (Indoor/Outdoor) W			107	/	-	107	/	-	107	/	-		
Moisture removal volume			L/h		1.1	1.6		2.3					
External static pressure			Pa		30 (MIN10 - MAX150)			30 (MIN10 - MAX150)			30 (MIN10 - MAX150)		
Indoor air flow ⁶	Cooling	m³/min (H/M/L)	14.0/12.0/8.0			14.0/12.0/8.0			16.0/14.0/10.0				
	Heating	m³/min (H/M/L)	14.0/12.0/8.0			14.0/12.0/8.0			16.0/14.0/10.0				
Outdoor air flow	Cooling	m³/min	-			-			-				
	Heating	m³/min	-			-			-				
Refrigerant type			R32			R32			R32				
Product dimension	Height	mm	250			250			250				
	Width	mm	800			800			800				
	Depth	mm	730			730			730				
Product dimension(PANEL)		H×W×D	mm		-								
Packing dimension	Height	mm	805			805			805				
	Width	mm	1065			1065			1065				
	Depth	mm	340			340			340				
Weight	(NET)	kg	26			26			26				
	(GROSS)	kg	31			31			31				
	Panel (NET)	kg	-										
Layers limit (actually)			3(4)			3(4)			3(4)				
Operation condition	Cool (DBT)	-											
	Heat (DBT)	-											
P I P E I N G	Pipe port diameter mm (inch)		(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)			(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)			(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)				
	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		flared type										
	Pipe length range m		~ (~)			~ (~)			~ (~)				
	Indoor unit & Outdoor unit height difference m		-			-			-				
	Add gas amount g/m		-			-			-				
Pipe length for additional gas m			-			-			-				

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

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

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

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

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

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

* In the case of standard installation (Horizontal installation in the ceiling, rear side air intake)

* In the case of nanoe X OFF

5. Middle Static Pressure Duct (Type F3)

Unit Specifications (C)

INDOOR			MODEL		S-60MF3E5BN			S-73MF3E5BN			S-90MF3E5BN		
PANEL			MODEL		-								
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	4.6	4.6	4.6	5.3	5.3	5.3	6.6	6.6	6.6
			Latent	kW	1.4	1.4	1.4	2.0	2.0	2.0	2.4	2.4	2.4
	Current		A		0.53	0.52	0.51	0.53	0.52	0.51	0.92	0.90	0.88
	Input power		W		79	79	79	79	79	79	136	136	136
	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)		31/28/23			31/28/23			35/33/25			
		Power Level dB		54/51/46			54/51/46			58/56/48			
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		0.53	0.52	0.51	0.53	0.52	0.51	0.92	0.90	0.88
	Input power		W		79	79	79	79	79	79	136	136	136
	COP/COP CLASS		TOTAL(W/W) ⁵ /("A"~"G")		-	-	-	-	-	-	-	-	-
	COP		BTU/hW		-	-	-	-	-	-	-	-	-
	Power factor		%		-	-	-	-	-	-	-	-	-
	Noise indoor ⁶		dB-A (H/M/L)		31/28/23			31/28/23			35/33/25		
			Power Level dB		54/51/46			54/51/46			58/56/48		
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)				2.19/348	2.19/348	2.19/348	2.19/348	2.19/348	2.19/348	2.19/348	2.19/348	2.19/348
Heating	Max Current(A)/Max Input power(W)				2.19/348	2.19/348	2.19/348	2.19/348	2.19/348	2.19/348	2.19/348	2.19/348	2.19/348
Starting current(A)/Comp output(W)					-	-	-	-	-	-	-	-	-
Time Delay fuse max size(A)					15			15			15		
Network Impedance(ΩMAX.)					-			-			-		
Fan motor output (Indoor/Outdoor) W					165	/	-	165	/	-	165	/	-
Moisture removal volume			L/h	2.1			3.0			3.7			
External static pressure			Pa	30 (MIN10 - MAX150)			30 (MIN10 - MAX150)			40 (MIN10 - MAX150)			
Indoor air flow ⁶	Cooling	m³/min (H/M/L)	21.0/18.0/15.0			21.0/18.0/15.0			25.0/23.0/16.0				
	Heating	m³/min (H/M/L)	21.0/18.0/15.0			21.0/18.0/15.0			25.0/23.0/16.0				
Outdoor air flow	Cooling	m³/min	-			-			-				
	Heating	m³/min	-			-			-				
Refrigerant type			R32			R32			R32				
Product dimension	Height	mm	250			250			250				
	Width	mm	1000			1000			1000				
	Depth	mm	730			730			730				
Product dimension(PANEL)		H×W×D	mm			-			-				
Packing dimension		Height	mm	805			805			805			
		Width	mm	1265			1265			1265			
		Depth	mm	340			340			340			
Weight		(NET)	kg	31			31			31			
		(GROSS)	kg	37			37			37			
		Panel (NET)	kg	-			-			-			
Layers limit (actually)					3(4)			3(4)			3(4)		
Operation condition		Cool (DBT)	-			-			-				
		Heat (DBT)	-			-			-				
P I P E I N G	Pipe port diameter mm (inch)		(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)			(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)			(Liquid) ø6.35 (1/4) (Gas) ø12.7 (1/2)				
	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		flared type			flared type			flared type				
	Pipe length range m		~ (~)			~ (~)			~ (~)				
	Indoor unit & Outdoor unit height difference m		-			-			-				
	Add gas amount g/m		-			-			-				
Pipe length for additional gas m					-			-			-		

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

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

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

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

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

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

* In the case of standard installation (Horizontal installation in the ceiling, rear side air intake)

* In the case of nanoe X OFF

5. Middle Static Pressure Duct (Type F3)

Unit Specifications (D)

INDOOR			MODEL		S-106MF3E5BN			S-112MF3E5BN			S-140MF3E5BN		
PANEL			MODEL		-								
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		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	8.2	8.2	8.2	8.5	8.5	8.5	9.9	9.9	9.9
			Latent	kW	2.4	2.4	2.4	2.7	2.7	2.7	4.1	4.1	4.1
	Current		A		1.03	1.00	0.97	1.80	1.76	1.72	1.80	1.76	1.72
	Input power		W		146	146	146	265	265	265	265	265	265
	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)		36/32/27			41/36/32			41/36/32			
		Power Level dB		59/55/50			64/59/55			64/59/55			
Noise outdoor		dB-A (H/L)		-			-			-			
		Power Level dB		-			-			-			
H E A T I N G	Capacity		kW		11.4	11.4	11.4	12.5	12.5	12.5	16.0	16.0	16.0
			BTU/h		38900	38900	38900	42700	42700	42700	54600	54600	54600
			kcal/h(Fri./h)		-	-	-	-	-	-	-	-	-
	Current		A		1.03	1.00	0.97	1.80	1.76	1.72	1.80	1.76	1.72
	Input power		W		146	146	146	265	265	265	265	265	265
	COP/COP CLASS		TOTAL(W/W) ⁵ /("A"~"G")		-	-	-	-	-	-	-	-	-
	COP		BTU/hW		-	-	-	-	-	-	-	-	-
	Power factor		%		-	-	-	-	-	-	-	-	-
	Noise indoor ^{*6}		dB-A (H/M/L)		36/32/27			41/36/32			41/36/32		
			Power Level dB		59/55/50			64/59/55			64/59/55		
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)				2.87/410	2.87/410	2.87/410	2.87/410	2.87/410	2.87/410	2.87/410	2.87/410	2.87/410
Heating	Max Current(A)/Max Input power(W)				2.87/410	2.87/410	2.87/410	2.87/410	2.87/410	2.87/410	2.87/410	2.87/410	
Starting current(A)/Comp output(W)					-	-	-	-	-	-	-	-	
Time Delay fuse max size(A)					15			15			15		
Network Impedance(ΩMAX.)					-			-			-		
Fan motor output (Indoor/Outdoor) W					259	/	-	259	/	-	259	/	-
Moisture removal volume			L/h	3.7			3.8			6.1			
External static pressure			Pa	40 (MIN10 - MAX150)			50 (MIN10 - MAX150)			50 (MIN10 - MAX150)			
Indoor air flow ^{*6}	Cooling	m³/min (H/M/L)	32.0/26.0/21.0			37.0/32.0/26.0			37.0/32.0/26.0				
	Heating	m³/min (H/M/L)	32.0/26.0/21.0			37.0/32.0/26.0			37.0/32.0/26.0				
Outdoor air flow	Cooling	m³/min	-			-			-				
	Heating	m³/min	-			-			-				
Refrigerant type			R32			R32			R32				
Product dimension	Height	mm	250			250			250				
	Width	mm	1400			1400			1400				
	Depth	mm	730			730			730				
Product dimension(PANEL)		H×W×D	mm			-			-				
Packing dimension		Height	mm	805			805			805			
		Width	mm	1665			1665			1665			
		Depth	mm	340			340			340			
Weight		(NET)	kg	40			40			40			
		(GROSS)	kg	46			46			46			
		Panel (NET)	kg	-			-			-			
Layers limit (actually)					3(4)			3(4)			3(4)		
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)				(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 (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

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

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

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

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

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

*7: In the case of standard installation (Horizontal installation in the ceiling, rear side air intake)

*8: In the case of nanoe X OFF

5. Middle Static Pressure Duct (Type F3)

Unit Specifications (E)

INDOOR			MODEL		S-160MF3E5BN						
PANEL			MODEL		-						
Performance test condition					ISO15042 / AS/NZS3823.1 / EN14511 / EN12102						
Power supply			ø, Hz		1ø 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		2.22	2.14	2.09				
	Input power		W		330	330	330				
	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)		43/37/33						
			Power Level dB		66/60/56						
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		2.22	2.14	2.09				
	Input power		W		330	330	330				
	COP/COP CLASS		TOTAL(W/W) ⁵ /("A"~"G")		-	-	-				
	COP		BTU/hW		-	-	-				
	Power factor		%		-	-	-				
	Noise indoor ⁶		dB-A (H/M/L)		43/37/33						
			Power Level dB		66/60/56						
	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)				2.87/410	2.87/410	2.87/410				
Heating	Max Current(A)/Max Input power(W)				2.87/410	2.87/410	2.87/410				
Starting current(A)/Comp output(W)					-	-	-				
Time Delay fuse max size(A)					15						
Network Impedance(ΩMAX.)					-						
Fan motor output (Indoor/Outdoor) W					259	/	-				
Moisture removal volume			L/h	7.5							
External static pressure			Pa	50 (MIN10 - MAX150)							
Indoor air flow ⁶	Cooling	m³/min (H/M/L)	40.0/34.0/28.0								
	Heating	m³/min (H/M/L)	40.0/34.0/28.0								
Outdoor air flow	Cooling	m³/min	-								
	Heating	m³/min	-								
Refrigerant type			R32								
Product dimension	Height	mm	250								
	Width	mm	1400								
	Depth	mm	730								
Product dimension(PANEL)		H×W×D mm	-								
Packing dimension		Height mm	805								
		Width mm	1665								
		Depth mm	340								
Weight		(NET) kg	40								
		(GROSS) kg	46								
		Panel (NET) kg	-								
Layers limit (actually)			3(4)								
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)								
	Pipe diameter mm (inch)		(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 (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

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

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

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

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

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

* In the case of standard installation (Horizontal installation in the ceiling, rear side air intake)

* In the case of nanoe X OFF