

5. Middle Static Pressure Duct (Type F3)

5-1. Specifications

Unit Specifications (A)

INDOOR			MODEL		S-15MF3E5D			S-22MF3E5D			S-28MF3E5D			
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	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	1.46/212		
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			107	/	-	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	Cool	m³/min (H/M/L)	12.8 / 11.0 / 8.0			12.8 / 11.0 / 8.0			12.8 / 11.0 / 8.0					
	Heat	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	Cool	m³/min	-			-			-					
	Heat	m³/min	-			-			-					
Refrigerant type			R410A,R32			R410A,R32			R410A,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				
Mass		(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)Φ6.35(1/4) (Gas)Φ12.7(1/2)			(Liquid)Φ6.35(1/4) (Gas)Φ12.7(1/2)			(Liquid)Φ6.35(1/4) (Gas)Φ12.7(1/2)					
	Pipe diameter mm (inch)		(Liquid)Φ6.35(1/4) (Gas)Φ12.7(1/2)			(Liquid)Φ6.35(1/4) (Gas)Φ12.7(1/2)			(Liquid)Φ6.35(1/4) (Gas)Φ12.7(1/2)					
	Connect method , Standard length m		flared type			flared type			flared type					
	Pipe length range m		~ (~)			~ (~)			~ (~)					
	Indoor unit & Outdoor unit height difference m		-			-			-					
	Add gas amount g/m		-			-			-					
Pipe length for additional gas m			-			-			-					

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

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

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

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

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

*6: H:High at setting 5 stage (Level 5), M:Middle at setting 5 stage (Level 3), L:Low at setting 5 stage (Level 1)Noise of L is indicated by at FAN mode

*In the case of nanoe X OFF

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

5. Middle Static Pressure Duct (Type F3)

Unit Specifications (B)

INDOOR			MODEL		S-36MF3E5D			S-45MF3E5D			S-56MF3E5D		
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 ¹⁴		-	-	-	-	-	-	-	-	-
	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			
Noise outdoor		dB-A (H/L)		-			-			-			
		Power Level dB		-			-			-			
H E A T I N G	Capacity		kW		4.2	4.2	4.2	5.0	5.0	5.0	6.3	6.3	6.3
			BTU/h		14300	14300	14300	17100	17100	17100	21500	21500	21500
			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		
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	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	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	Cool	m³/min (H/M/L)	14.0 / 12.0 / 8.0			14.0 / 12.0 / 8.0			16.0 / 14.0 / 10.0				
	Heat	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	Cool	m³/min	-			-			-				
	Heat	m³/min	-			-			-				
Refrigerant type			R410A,R32			R410A,R32			R410A,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			
Mass	(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)Φ6.35(1/4) (Gas)Φ12.7(1/2)			(Liquid)Φ6.35(1/4) (Gas)Φ12.7(1/2)			(Liquid)Φ6.35(1/4) (Gas)Φ12.7(1/2)				
	Pipe diameter mm (inch)		(Liquid)Φ6.35(1/4) (Gas)Φ12.7(1/2)			(Liquid)Φ6.35(1/4) (Gas)Φ12.7(1/2)			(Liquid)Φ6.35(1/4) (Gas)Φ12.7(1/2)				
	Connect method , Standard legth m		flared type			flared type			flared type				
	Pipe length range m		~ (~)			~ (~)			~ (~)				
	Indoor unit & Outdoor unit height difference m		-			-			-				
	Add gas amount g/m		-			-			-				
Pipe length for additional gas m			-			-			-				

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

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

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

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

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

*6: H: High at setting 5 stage (Level 5), M: Middle at setting 5 stage (Level 3), L: Low at setting 5 stage (Level 1) Noise of L is indicated by at FAN mode

*In the case of nanoe X OFF

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

5. Middle Static Pressure Duct (Type F3)

Unit Specifications (C)

INDOOR			MODEL		S-60MF3E5D			S-73MF3E5D			S-90MF3E5D				
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	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	2.19/348		
Starting current(A)/Comp output(W)			-		-	-	-	-	-	-	-	-	-		
Time Delay fuse max size(A)			15		15			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			3.7	
External static pressure			Pa		30 (MIN10 - MAX150)			30 (MIN10 - MAX150)			40 (MIN10 - MAX150)			40 (MIN10 - MAX150)	
Indoor air flow ⁶	Cool	m³/min (H/M/L)		21.0 / 18.0 / 15.0			21.0 / 18.0 / 15.0			25.0 / 23.0 / 16.0			25.0 / 23.0 / 16.0		
	Heat	m³/min (H/M/L)		21.0 / 18.0 / 15.0			21.0 / 18.0 / 15.0			25.0 / 23.0 / 16.0			25.0 / 23.0 / 16.0		
Outdoor air flow	Cool	m³/min		-			-			-			-		
	Heat	m³/min		-			-			-			-		
Refrigerant type			R410A,R32			R410A,R32			R410A,R32			R410A,R32			
Product dimension	Height		mm		250			250			250			250	
	Width		mm		1000			1000			1000			1000	
	Depth		mm		730			730			730			730	
Product dimension(PANEL)		H×W×D		mm		-			-			-			-
Packing dimension		Height		mm		805			805			805			805
		Width		mm		1265			1265			1265			1265
		Depth		mm		340			340			340			340
Mass		(NET)		kg		31			31			31			31
		(GROSS)		kg		37			37			37			37
		Panel (NET)		kg		-			-			-			-
Layers limit (actually)			3(4)			3(4)			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)Φ9.52(3/8) (Gas)Φ15.88(5/8)			(Liquid)Φ9.52(3/8) (Gas)Φ15.88(5/8)			(Liquid)Φ9.52(3/8) (Gas)Φ15.88(5/8)			(Liquid)Φ9.52(3/8) (Gas)Φ15.88(5/8)		
	Pipe diameter mm (inch)			(Liquid)Φ9.52(3/8) (Gas)Φ15.88(5/8) or (Liquid)Φ6.35(1/4) (Gas)Φ12.7(1/2)			(Liquid)Φ9.52(3/8) (Gas)Φ15.88(5/8) or (Liquid)Φ6.35(1/4) (Gas)Φ12.7(1/2)			(Liquid)Φ9.52(3/8) (Gas)Φ15.88(5/8) or (Liquid)Φ6.35(1/4) (Gas)Φ12.7(1/2)			(Liquid)Φ9.52(3/8) (Gas)Φ15.88(5/8) or (Liquid)Φ6.35(1/4) (Gas)Φ12.7(1/2)		
	Connect method , Standard lenght m			flared type			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)Noise of L is indicated by at FAN mode

*In the case of nanoe X OFF

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

5. Middle Static Pressure Duct (Type F3)

Unit Specifications (D)

INDOOR			MODEL		S-106MF3E5D			S-112MF3E5D			S-140MF3E5D		
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 ¹⁴		-	-	-	-	-	-	-	-	-
	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	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	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	Cool	m³/min (H/M/L)	32.0 / 26.0 / 21.0			37.0 / 32.0 / 26.0			37.0 / 32.0 / 26.0				
	Heat	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	Cool	m³/min	-			-			-				
	Heat	m³/min	-			-			-				
Refrigerant type			R410A,R32			R410A,R32			R410A,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	
Mass		(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 I N G	Pipe port diameter mm (inch)		(Liquid)Φ9.52(3/8) (Gas)Φ15.88(5/8)			(Liquid)Φ9.52(3/8) (Gas)Φ15.88(5/8)			(Liquid)Φ9.52(3/8) (Gas)Φ15.88(5/8)				
	Pipe diameter mm (inch)		(Liquid)Φ9.52(3/8) (Gas)Φ15.88(5/8)			(Liquid)Φ9.52(3/8) (Gas)Φ15.88(5/8)			(Liquid)Φ9.52(3/8) (Gas)Φ15.88(5/8)				
	Connect method , Standard legth m		flared type			flared type			flared type				
	Pipe length range m		~ (~)			~ (~)			~ (~)				
	Indoor unit & Outdoor unit height difference m		-			-			-				
	Add gas amount g/m		-			-			-				
Pipe length for additional gas m			-			-			-				

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

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

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

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

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

*6: H: High at setting 5 stage (Level 5), M: Middle at setting 5 stage (Level 3), L: Low at setting 5 stage (Level 1) Noise of L is indicated by at FAN mode

*In the case of nanoe X OFF

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

5. Middle Static Pressure Duct (Type F3)

Unit Specifications (E)

INDOOR			MODEL		S-160MF3E5D							
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	Cool	m³/min (H/M/L)	40.0 / 34.0 / 28.0									
	Heat	m³/min (H/M/L)	40.0 / 34.0 / 28.0									
Outdoor air flow	Cool	m³/min	-									
	Heat	m³/min	-									
Refrigerant type			R410A,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								
Mass		(NET)	kg	40								
		(GROSS)	kg	46								
		Panel (NET)	kg	-								
Layers limit (actually)			3(4)									
Operation condition		Cool (DBT)	-									
		Heat (DBT)	-									
P I P I N G	Pipe port diameter mm (inch)			(Liquid)Φ9.52(3/8) (Gas)Φ15.88(5/8)								
	Pipe diameter mm (inch)			(Liquid)Φ9.52(3/8) (Gas)Φ15.88(5/8)								
	Connect method , Standard leght m			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)Noise of L is indicated by at FAN mode

*In the case of nanoe X OFF

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