

## 4. Slim Low Static Ducted (Type M1)

### 4-1. Specifications

#### Unit Specifications (A)

INDOOR		MODEL	S-15MM1E5B			S-22MM1E5B			S-28MM1E5B			
PANEL		MODEL	-									
Performance test condition		ISO15042 / 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 L 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	1.5	1.5	1.5	1.8	1.8	1.8	2.1	2.1	2.1	
		Latent kW	0.0	0.0	0.0	0.4	0.4	0.4	0.7	0.7	0.7	
	Current	A	0.26	0.26	0.26	0.26	0.26	0.26	0.30	0.30	0.30	
	Input power	W	36			36			40			
	Annual consumption	W <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)	28/27/25 <30/29/27> <sup>*6</sup>			28/27/25 <30/29/27> <sup>*6</sup>			30/29/27 <32/31/29> <sup>*6</sup>				
	Power Level dB	43/42/40			43/42/40			45/44/42				
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	
	Current	A	0.23	0.23	0.23	0.23	0.23	0.23	0.27	0.27	0.27	
	Input power	W	26			26			30			
	COP/COP CLASS	TOTAL(W/W) <sup>5</sup> /(“A”-“G”)	-	-	-	-	-	-	-	-	-	
	COP	BTU/hW	-	-	-	-	-	-	-	-	-	
	Power factor	%	-	-	-	-	-	-	-	-	-	
	Noise indoor <sup>6</sup>	dB-A (H/M/L)	28/27/25 <30/29/27> <sup>*6</sup>			28/27/25 <30/29/27> <sup>*6</sup>			30/29/27 <32/31/29> <sup>*6</sup>			
		Power Level dB	43/42/40			43/42/40			45/44/42			
	Noise outdoor	dB-A (H/L)	-			-			-			
Power Level dB		-			-			-				
EXTRA LOW TEMP	Capacity(kW)/Input power(W)/COP	-										
Cooling	Max Current(A)/Max Input power(W)	0.43/55	0.43/55	0.43/55	0.43/55	0.43/55	0.43/55	0.43/55	0.46/55	0.46/55	0.46/55	
Heating	Max Current(A)/Max Input power(W)	0.40/45	0.40/45	0.40/45	0.40/45	0.40/45	0.40/45	0.43/45	0.43/45	0.43/45		
	Starting current(A)/Comp output(W)	-	-	-	-	-	-	-	-	-		
	Network Impedance(ΩMAX.)	-										
	Fan motor output (Indoor/Outdoor) W	60	/	-	60	/	-	60	/	-		
	Moisture removal volume L/h	0.1			0.6			1.1				
	External static pressure Pa	10 <30> <sup>*6</sup>			10 <30> <sup>*6</sup>			15 <30> <sup>*6</sup>				
Indoor air flow	Cooling	m <sup>3</sup> /min (H/M/L)	8.0/7.0/6.0			8.0/7.0/6.0			8.5/7.5/6.5			
	Heating	m <sup>3</sup> /min (H/M/L)	8.0/7.0/6.0			8.0/7.0/6.0			8.5/7.5/6.5			
Outdoor air flow	Cooling	m <sup>3</sup> /min	-			-			-			
	Heating	m <sup>3</sup> /min	-			-			-			
	Refrigerant type	R410A, R32			R410A, R32			R410A, R32				
Product dimension	Height	mm	200			200			200			
	Width	mm	750			750			750			
	Depth	mm	640			640			640			
Product dimension(PANEL)	H×W×D	mm										
Packing dimension	Height	mm	218			218			218			
	Width	mm	1050			1050			1050			
	Depth	mm	758			758			758			
Weight	(NET)	kg	19			19			19			
	(GROSS)	kg	25			25			25			
	Panel (NET)	kg	-									
	Layers limit (actually)	13 (14)			13 (14)			13 (14)				
Operation condition	Cool (DBT)	-										
	Heat (DBT)	-										
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)	(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										
	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)

### 4. Slim Low Static Ducted (Type M1)

#### Unit Specifications (B)

INDOOR		MODEL	S-36MM1E5B			S-45MM1E5B			S-56MM1E5B		
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	2.6	2.6	2.6	3.1	3.1	3.1	3.8	3.8	3.8
		Latent kW	1.0	1.0	1.0	1.4	1.4	1.4	1.8	1.8	1.8
	Current	A	0.31	0.31	0.31	0.37	0.37	0.37	0.48	0.48	0.48
	Input power	W	42			49			64		
	Annual consumption	W <sup>-1</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)	32/30/28 <34/32/30> <sup>*6</sup>			34/32/30 <36/34/32> <sup>*6</sup>			35/33/31 <37/35/32> <sup>*6</sup>			
	Power Level dB	47/45/43			49/47/45			50/48/46			
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
	Current	A	0.28	0.28	0.28	0.34	0.34	0.34	0.45	0.45	0.45
	Input power	W	32			39			54		
	COP/COP CLASS	TOTAL(W/W) <sup>5</sup> /(“A”-“G”)	-	-	-	-	-	-	-	-	-
	COP	BTU/hW	-	-	-	-	-	-	-	-	-
	Power factor	%	-	-	-	-	-	-	-	-	-
	Noise indoor <sup>6</sup>	dB-A (H/M/L)	32/30/28 <34/32/30> <sup>*6</sup>			34/32/30 <36/34/32> <sup>*6</sup>			35/33/31 <37/35/32> <sup>*6</sup>		
		Power Level dB	47/45/43			49/47/45			50/48/46		
	Noise outdoor	dB-A (H/L)	-			-			-		
Power Level dB		-			-			-			
EXTRA LOW TEMP	Capacity(kW)/Input power(W)/COP	-									
Cooling	Max Current(A)/Max Input power(W)	0.54/65	0.54/65	0.54/65	0.56/75	0.56/75	0.56/75	0.72/88	0.72/88	0.72/88	
Heating	Max Current(A)/Max Input power(W)	0.52/55	0.52/55	0.52/55	0.54/65	0.54/65	0.54/65	0.70/80	0.70/80	0.70/80	
Starting current(A)/Comp output(W)		-	-	-	-	-	-	-	-	-	
Network Impedance(ΩMAX.)		-									
Fan motor output (Indoor/Outdoor) W		60	/	-	60	/	-	60	/	-	
Moisture removal volume L/h		1.7			2.2			2.8			
External static pressure Pa		15 <40> <sup>*6</sup>			15 <40> <sup>*6</sup>			15 <40> <sup>*6</sup>			
Indoor air flow	Cooling m <sup>3</sup> /min (H/M/L)	9.0/8.0/7.0			10.5/9.5/8.0			12.5/11.5/10.0			
	Heating m <sup>3</sup> /min (H/M/L)	9.0/8.0/7.0			10.5/9.5/8.0			12.5/11.5/10.0			
Outdoor air flow	Cooling m <sup>3</sup> /min	-			-			-			
	Heating m <sup>3</sup> /min	-			-			-			
Refrigerant type		R410A, R32			R410A, R32			R410A, R32			
Product dimension	Height mm	200			200			200			
	Width mm	750			750			750			
	Depth mm	640			640			640			
Product dimension(PANEL) H×W×D mm		-									
Packing dimension	Height mm	218			218			218			
	Width mm	1050			1050			1050			
	Depth mm	758			758			758			
Weight	(NET) kg	19			19			19			
	(GROSS) kg	25			25			25			
	Panel (NET) kg	-									
Layers limit (actually)		13 (14)			13 (14)			13 (14)			
Operation condition	Cool (DBT)	-									
	Heat (DBT)	-									
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)	(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<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.  
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