

4. Ceiling (Type T2)

4-1. Specifications

Unit specifications (A)

INDOOR		MODEL	S-36MT2E5A			S-45MT2E5A			S-56MT2E5A				
PANEL		MODEL	-			-			-				
Performance test condition		ISO15042 / AS / NZS3823 / EN14511 / EN12102											
Power supply		Ø, Hz	1ø 50/60Hz			1ø 50/60Hz			1ø 50/60Hz				
		V	220	230	240	220	230	240	220	230	240		
C O O L I N G	Capacity	kW	3.60	3.60	3.60	4.50	4.50	4.50	5.60	5.60	5.60		
		BTU/h	12300	12300	12300	15400	15400	15400	19100	19100	19100		
		kcal/h(Fri./h)	-	-	-	-	-	-	-	-	-	-	
	Current	A	0.37	0.36	0.35	0.39	0.38	0.37	0.39	0.38	0.37		
	Input power	W	35			40			40				
	Annual consumption	W *4	-	-	-	-	-	-	-	-	-		
	EER/EER CLASS	(W/W)*5("A"~"G")	-	-	-	-	-	-	-	-	-		
	EER	BTU/hW	-	-	-	-	-	-	-	-	-		
	Power factor	%	-	-	-	-	-	-	-	-	-		
	Noise indoor (H/M/L)	dB-A	36/32/30			37/33/30			37/33/30				
Power Level dB		54/50/48			55/51/48			55/51/48					
Noise outdoor (H/L)	dB-A	-			-			-					
	Power Level dB	-			-			-					
H E A T I N G	Capacity	kW	4.20	4.20	4.20	5.00	5.00	5.00	6.30	6.30	6.30		
		BTU/h	14300	14300	14300	17100	17100	17100	21500	21500	21500		
		kcal/h(Fri./h)	-	-	-	-	-	-	-	-	-		
	Current	A	0.37	0.36	0.35	0.39	0.38	0.37	0.39	0.38	0.37		
	Input power	W	35			40			40				
	COP/COP CLASS	(W/W)*5("A"~"G")	-	-	-	-	-	-	-	-	-		
	COP	BTU/hW	-	-	-	-	-	-	-	-	-		
	Power factor	%	-	-	-	-	-	-	-	-	-		
	Noise indoor (H/M/L)	dB-A	36/32/30			37/33/30			37/33/30				
		Power Level dB	54/50/48			55/51/48			55/51/48				
Noise outdoor (H/L)	dB-A	-			-			-					
	Power Level dB	-			-			-					
EXTRALOW TEMP	Capacity(kW) / Input power(W) / COP	-											
Cooling	Max Current(A) / Max Input power(W)	0.37/35	0.36/35	0.35/35	0.39/40	0.38/40	0.37/40	0.39/40	0.38/40	0.37/40			
Heating	Max Current(A) / Max Input power(W)	0.37/35	0.36/35	0.35/35	0.39/40	0.38/40	0.37/40	0.39/40	0.38/40	0.37/40			
Starting current(A) / Comp output(W)		-	-	-	-	-	-	-	-	-			
Network Impedance(ΩMAX.) *3		-											
Fan motor output (Indoor/Outdoor) W		43	/	-	43	/	-	43	/	-			
Moisture removal volume		L/h(Pt/h)			2.1 (4.4)			2.5 (5.3)			3.2 (6.7)		
External static pressure		Pa											
Indoor Air flow	Cooling	m ³ /min (ft ³ /min)	14.0 / 12.0 / 10.5 (494) / (424) / (371)			15.0 / 12.5 / 10.5 (530) / (441) / (371)			15.0 / 12.5 / 10.5 (530) / (441) / (371)				
	Heating	m ³ /min (ft ³ /min)	14.0 / 12.0 / 10.5 (494) / (424) / (371)			15.0 / 12.5 / 10.5 (530) / (441) / (371)			15.0 / 12.5 / 10.5 (530) / (441) / (371)				
Outdoor Air flow	Cooling	m ³ /min (ft ³ /min)	-										
	Heating	m ³ /min (ft ³ /min)	-										
Refrigerant type / amount g(oz)		-											
Product dimension	Height mm(inch)	235 (9-1/4)			235 (9-1/4)			235 (9-1/4)					
	Width mm(inch)	960 (37-25/32)			960 (37-25/32)			960 (37-25/32)					
	Depth mm(inch)	690 (27-5/32)			690 (27-5/32)			690 (27-5/32)					
Packing dimension	Height mm(inch)	360 (14-3/16)			360 (14-3/16)			360 (14-3/16)					
	Width mm(inch)	1025 (40-3/8)			1025 (40-3/8)			1025 (40-3/8)					
	Depth mm(inch)	820 (32-5/16)			820 (32-5/16)			820 (32-5/16)					
Weight	(NET) kg(lb)	27 (60)			27 (60)			27 (60)					
	(GROSS) kg(lb)	35 (77)			35 (77)			35 (77)					
Layers limit (actually)		9 (10)			9 (10)			9 (10)					
Operation condition	Cool (DBT)	-											
	Heat (DBT)	-											
P I P I N G	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)					
	Connecting method	flared type											
	Pipe length range m (ft)	-	-	(~)	-	-	(~)	-	-	(~)			
	Indoor unit & Outdoor unit height difference m (ft)	-											
	Add gas amount g/m (oz/ft)	-											
Pipe length for additional gas m (ft)	-												

*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.

*: 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.

*: 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.

4. Ceiling (Type T2)

Unit specifications (B)

INDOOR		MODEL	S-73MT2E5A			S-106MT2E5A			S-140MT2E5A				
PANEL		MODEL	-			-			-				
Performance test condition		ISO15042 / AS / NZS3823 / EN14511 / EN12102											
Power supply		Ø, Hz	1ø 50/60Hz			1ø 50/60Hz			1ø 50/60Hz				
		V	220	230	240	220	230	240	220	230	240		
C O O L I N G	Capacity	kW	7.30	7.30	7.30	10.6	10.6	10.6	14.0	14.0	14.0		
		BTU/h	24900	24900	24900	36200	36200	36200	47800	47800	47800		
		kcal/h(Fri./h)	-	-	-	-	-	-	-	-	-	-	
	Current	A	0.45	0.44	0.43	0.69	0.67	0.65	0.82	0.79	0.77		
	Input power	W	55			80			100				
	Annual consumption	W *4	-	-	-	-	-	-	-	-	-		
	EER/EER CLASS	(W/W)*5/("A"~"G")	-	-	-	-	-	-	-	-	-		
	EER	BTU/hW	-	-	-	-	-	-	-	-	-		
	Power factor	%	-	-	-	-	-	-	-	-	-		
	Noise indoor (H/M/L)	dB-A	39/35/33			42/37/36			44/40/37				
Power Level dB		57/53/51			60/55/54			62/58/55					
Noise outdoor (H/L)	dB-A	-			-			-					
	Power Level dB	-			-			-					
H E A T I N G	Capacity	kW	8.00	8.00	8.00	11.4	11.4	11.4	16.0	16.0	16.0		
		BTU/h	27300	27300	27300	38900	38900	38900	54600	54600	54600		
		kcal/h(Fri./h)	-	-	-	-	-	-	-	-	-	-	
	Current	A	0.45	0.44	0.43	0.69	0.67	0.65	0.82	0.79	0.77		
	Input power	W	55			80			100				
	COP/COP CLASS	(W/W)*5/("A"~"G")	-	-	-	-	-	-	-	-	-		
	COP	BTU/hW	-	-	-	-	-	-	-	-	-		
	Power factor	%	-	-	-	-	-	-	-	-	-		
	Noise indoor (H/M/L)	dB-A	39/35/33			42/37/36			44/40/37				
		Power Level dB	57/53/51			60/55/54			62/58/55				
Noise outdoor (H/L)	dB-A	-			-			-					
	Power Level dB	-			-			-					
EXTRALOW TEMP	Capacity(kW) / Input power(W) / COP	-											
Cooling	Max Current(A) / Max Input power(W)	0.45/55	0.44/55	0.43/55	0.69/80	0.67/80	0.65/80	0.82/100	0.79/100	0.77/100			
Heating	Max Current(A) / Max Input power(W)	0.45/55	0.44/55	0.43/55	0.69/80	0.67/80	0.65/80	0.82/100	0.79/100	0.77/100			
Starting current(A) / Comp output(W)		-	-	-	-	-	-	-	-	-			
Network Impedance(ΩMAX.) *3		-											
Fan motor output (Indoor/Outdoor) W		74	/	-	111	/	-	111	/	-			
Moisture removal volume		L/h(Pt/h) 4.4 (9.2)			6.4 (13.4)			9.0 (18.9)					
External static pressure		Pa -											
Indoor Air flow	Cooling	m³/min (ft³/min)	21.0 / 18.0 / 15.5 (742) / (636) / (547)			30.0 / 25.0 / 23.0 (1059) / (883) / (812)			32.0 / 28.0 / 24.0 (1130) / (989) / (848)				
	Heating	m³/min (ft³/min)	21.0 / 18.0 / 15.5 (742) / (636) / (547)			30.0 / 25.0 / 23.0 (1059) / (883) / (812)			32.0 / 28.0 / 24.0 (1130) / (989) / (848)				
Outdoor Air flow	Cooling	m³/min (ft³/min)	-										
	Heating	m³/min (ft³/min)	-										
Refrigerant type / amount g(oz)		-											
Product dimension	Height mm(inch)	235 (9-1/4)			235 (9-1/4)			235 (9-1/4)					
	Width mm(inch)	1275 (50-3/16)			1590 (62-19/32)			1590 (62-19/32)					
	Depth mm(inch)	690 (27-5/32)			690 (27-5/32)			690 (27-5/32)					
Packing dimension	Height mm(inch)	360 (14-3/16)			360 (14-3/16)			360 (14-3/16)					
	Width mm(inch)	1340 (52-25/32)			1655 (65-3/16)			1655 (65-3/16)					
	Depth mm(inch)	820 (32-5/16)			820 (32-5/16)			820 (32-5/16)					
Weight	(NET) kg(lb)	33 (73)			40 (88)			40 (88)					
	(GROSS) kg(lb)	42 (93)			50 (110)			50 (110)					
Layers limit (actually)		9 (10)			9 (10)			9 (10)					
Operation condition	Cool (DBT)	-											
	Heat (DBT)	-											
P I P I N G	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)					
	Connecting method	flared type											
	Pipe length range m (ft)	-			(~)			-			(~)		
	Indoor unit & Outdoor unit height difference m (ft)	-											
	Add gas amount g/m (oz/ft)	-											
Pipe length for additional gas m (ft)	-												

*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.

*: 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.

*: 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.

