



WALL MOUNTED INVERTER Reverse Cycle	
INDOOR	OUTDOOR
ASTG34KMTA	AOTG34KMTA



INVERTER

TECHNICAL SPECIFICATIONS

Capacity	Cooling	Rated	kW	9.4
		Range	kW	2.9 – 11.2
	Heating	Rated	Kw	10.3
		Range	kW	2.7 – 11.7
Input	Cooling	kW	2.78	
	Heating	kW	2.84	
Current	Cooling	A	11.7	
	Heating	A	12.9	
Max Running Current	Cooling ⁽¹⁾	A	19.5	
	Heating	A	20.5	
Starting Current			A	12.9
EER (Cooling)			3.38	
AEER			3.476	
COP (Heating)			3.63	
ACOP			3.735	
Moisture Removal			l/h	
Air Circulation	Indoor (High Fan)		l/s	389
	Outdoor		l/s	1139
Power Supply	Outdoor		240V - 1Ph - 50Hz	
Sound Pressure Level	Indoor (High Fan)		dB	51
	Outdoor		dB	51
Sound Power Level	Outdoor		dB	65
Weight (Net)	Indoor		Kg	18
	Outdoor		Kg	74
Dimensions HxWxD (mm)	Indoor		340 x 1150 x 280	
	Outdoor		914 x 970 x 370	
Connection Pipe Sizes	Liquid		mm	Ø 9.52
	Gas		mm	Ø 15.88
Drain Pipe Sizes	Internal		mm	13.8
	External		mm	20

¹ = The maximum current is the maximum value when operated within the operation range.

Cooling/Heating capacities are based on the following conditions (AS3823).

Cooling

Indoor temp : 27°C DB / 19°CWB
Outdoor temp : 35°C DB / 24°C WB

Heating

Indoor temp : 20°C DB / 15°C WB
Outdoor temp : 7°C DB / 6°C WB

Running current is at rated conditions (AS3823) and does not include compressor start-up or variations in power supply and load conditions.

All wiring specifications are minimum recommendations. Please consult AS/NZS 3000 and your local wiring rules for clarification of cable and circuit requirements.

Suitable access for warranty & service is required.

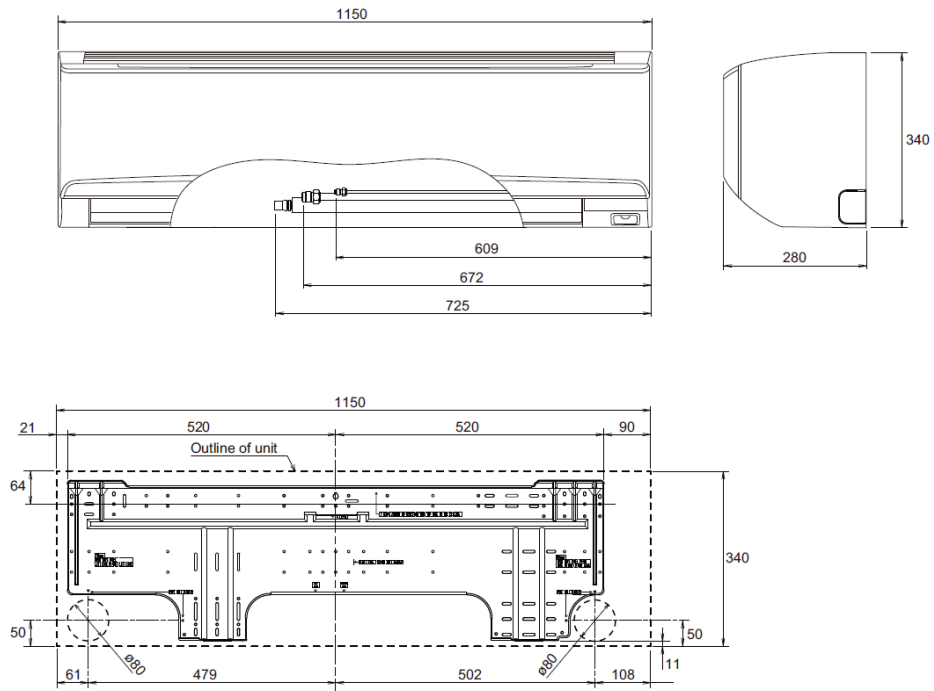
SOUND POWER LEVELS measured in accordance to AS1217.

Specifications and design are subject to change without notice. Please check with your dealer.

Dimensions

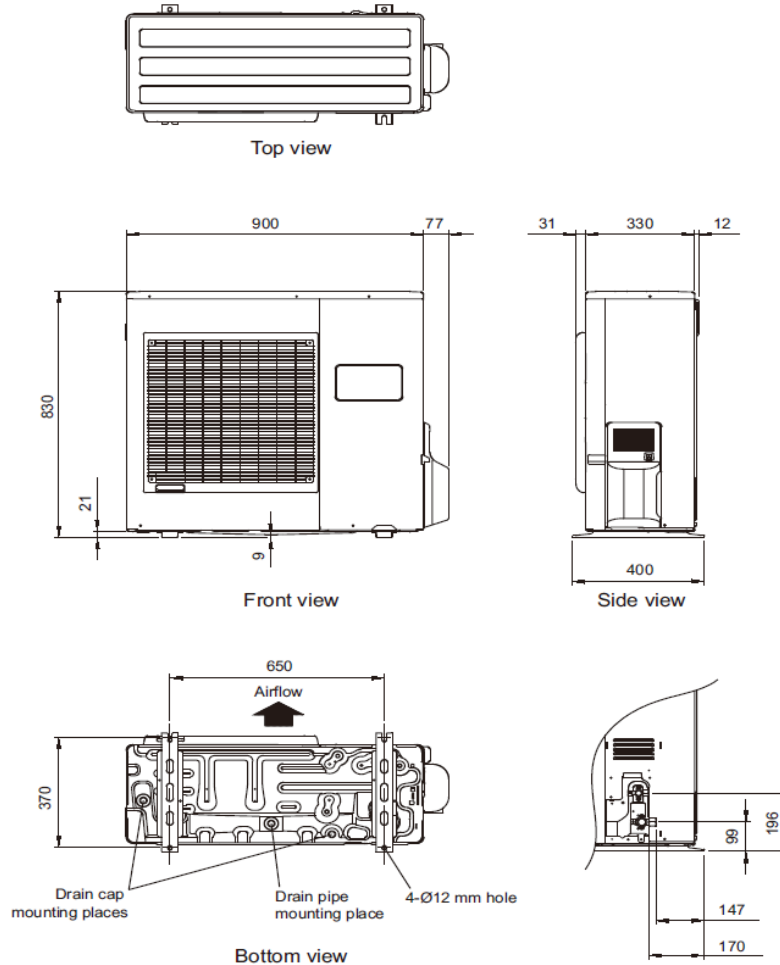
Indoor Unit

Unit: mm



Outdoor Unit

Unit: mm



Technical Data

PI = Power Input (kW)

SHC = Sensible Heat Capacity (kW)

TC = Total Capacity (kW)

Cooling Capacity

Air Flow Rate 1,400 m³/h

		Indoor temperature																						
		18			21			23			25			27			29			32				
		12			15			16			18			19			21			23				
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP		
	°CWB	kW			kW			kW			kW			kW			kW			kW				
	-10	8.76	5.57	1.13	9.76	5.61	1.15	10.09	6.10	1.16	10.76	6.12	1.17	11.09	6.61	1.18	11.76	6.58	1.19	12.42	7.01	1.20		
	0	8.68	5.55	1.20	9.67	5.58	1.21	10.00	6.07	1.22	10.66	6.09	1.23	10.99	6.57	1.24	11.65	6.55	1.25	12.31	6.97	1.26		
	5	8.63	5.59	1.27	9.61	5.62	1.29	9.94	6.11	1.30	10.59	6.13	1.31	10.92	6.62	1.32	11.58	6.60	1.33	12.23	7.03	1.35		
	10	8.60	5.66	1.37	9.57	5.69	1.40	9.90	6.19	1.40	10.55	6.21	1.42	10.88	6.71	1.42	11.53	6.68	1.44	12.19	7.11	1.45		
	15	8.55	5.65	1.54	9.52	5.68	1.56	9.85	6.17	1.57	10.50	6.19	1.58	10.82	6.69	1.59	11.47	6.66	1.61	12.12	7.10	1.62		
	20	8.77	5.40	1.89	9.77	5.43	1.92	10.10	5.90	1.93	10.77	5.92	1.95	11.10	6.40	1.96	11.77	6.37	1.98	12.43	6.79	2.00		
	25	8.90	5.50	2.24	9.91	5.54	2.27	10.25	6.02	2.28	10.92	6.04	2.31	11.26	6.52	2.32	11.94	6.50	2.34	12.61	6.92	2.37		
	30	9.17	5.62	2.65	10.22	5.65	2.70	10.57	6.14	2.71	11.26	6.16	2.74	11.61	6.66	2.75	12.31	6.63	2.78	13.00	7.06	2.81		
35	7.43	5.53	2.68	8.27	5.56	2.72	8.55	6.05	2.74	9.12	6.07	2.77	9.40	6.55	2.78	9.96	6.52	2.81	10.53	6.95	2.84			
40	8.01	5.21	3.04	8.92	5.24	3.09	9.23	5.69	3.10	9.84	5.71	3.14	10.14	6.17	3.15	10.75	6.14	3.18	11.36	6.55	3.21			
46	6.79	4.75	3.07	7.57	4.77	3.12	7.83	5.19	3.14	8.34	5.21	3.17	8.60	5.62	3.18	9.12	5.60	3.21	9.63	5.97	3.25			

Heating Capacity

Air Flow Rate 1,400 m³/h

		Indoor temperature										
		16		18		20		22		24		
		TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	
Outdoor temperature	°CDB	kW		kW		kW		kW		kW		
	°CWB	kW		kW		kW		kW		kW		
	-15	-16	8.87	3.70	8.66	3.77	8.45	3.85	8.24	3.93	8.03	4.01
	-10	-11	8.94	3.87	8.73	3.95	8.51	4.03	8.30	4.12	8.09	4.20
	-5	-7	9.85	4.07	9.61	4.15	9.38	4.24	9.14	4.32	8.91	4.41
	0	-2	11.55	4.07	11.27	4.15	11.00	4.24	10.72	4.32	10.45	4.41
	5	3	12.14	4.07	11.85	4.15	11.56	4.24	11.27	4.32	10.98	4.41
	7	6	12.29	4.07	11.99	4.15	11.70	4.24	11.41	4.32	11.12	4.41
	10	8	12.66	4.07	12.36	4.15	12.06	4.24	11.76	4.32	11.46	4.41
	15	10	14.09	4.07	13.76	4.15	13.42	4.24	13.09	4.32	12.75	4.38
20	15	14.83	4.03	14.48	4.11	14.12	4.20	13.77	4.28	13.42	4.34	
24	18	15.29	3.99	14.93	4.08	14.57	4.16	14.20	4.24	13.84	4.31	

Air Flow Chart (Cooling)

	Fan Speed	Number of Rotations (rpm)	Airflow	
			l/s	389
Indoor	High	1370	l/s	389
	Medium	1150	l/s	319
	Low	950	l/s	256
	Quiet	780	l/s	200
Outdoor	-	740	l/s	1139

Air Flow Chart (Heating)

	Fan Speed	Number of Rotations (rpm)	Airflow	
			l/s	389
Indoor	High	1370	l/s	389
	Medium	1150	l/s	319
	Low	950	l/s	256
	Quiet	780	l/s	200
Outdoor	-	830	l/s	1139

Specifications

Electrical

Power Requirement	240V – 1Ph – 50Hz Outdoor		
Fuse Or Circuit Breaker (A)	32	Min Power Cable (mm ²)	4.0
		Interconnecting Cables	3+E

Compressor

Type	Hermetic x 1
Motor (W)	2200

Indoor Coil

Type	Copper Tube + Aluminium Fin
Rows / Stages	Main: 3 x 28, Sub1: 1 x 6, Sub2: 1 x 4
Fin Pitch (mm)	Main: 1.2, Sub: 1.4
Coating	Hydrophilic Coating

Outdoor Coil

Type	Copper Tube + Aluminium Fin
Rows / Stages	2 x 38
Fin Pitch (mm)	1.30
Coating	Blue Fin

Indoor Fan And Motor

Fan Type	Cross flow fan x 1
Motor (W)	80

Outdoor Fan And Motor

Fan Type	Propeller fan x 1
Motor (W)	100

Refrigeration System

Refrigerant Type		R32
Charge	g	1650
Maximum Line Length / Height	m	50 / 30
Pre-Charged Length	m	30
Additional Charge	g/m	45
Connection Method		Flared
Expansion Control		Electronic Expansion Valve

Safety Devices

Type of protection	Protection form		
Circuit protection	Current fuse (Near the terminal)		250 V, 25 A
	Current fuse (Filter PCB)		250 V, 10 A
	Current fuse (Main PCB)		250 V, 3.15 A
Fan motor protection	Thermal protection	Activate	—
		Reset	—
	Thermistor protection	Activate	More than 80 °C, Fan motor speed down
		Reset	80 °C or less, Fan motor speed recover
Compressor protection	Terminal protection program (Compressor temp.)	Activate	120 °C, Compressor stop
		Reset	80 °C, Compressor restart
	Thermal protection program (Discharge temp.)	Activate	110°C, Compressor stop
		Reset	After 7 minutes, Compressor restart
High pressure protection	Pressure switch	Activate	4.2±0.1 MPa, Compressor stop
		Reset	3.2±0.15 MPa, Compressor restart
Low pressure protection	Pressure sensor	Activate	0.12 MPa, Compressor stop
		Reset	0.15 MPa, Compressor restart

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