CASSETTE INVERTER	
INDOOR	**OUTDOOR**
AUTA30LBLU	**AOTA30LGTL**

TECHNICAL SPECIFICATIONS

Capacity	**Cooling**	**Rated**	kW	8.5
		Range	kW	2.8 – 10.0
	Heating	**Rated**	kW	10.0
		Range	kW	2.7 – 11.2
Input	**Cooling**		kW	2.57 (4.04)
	Heating		kW	2.77 (4.04)
Current	**Cooling**		A	10.8
	Heating		A	11.6
Max Running Current	**Cooling**		A	17.0
	Heating		A	17.0
Starting Current			A	15.0
EER (Cooling)				3.31
AEER				3.408
COP (Heating)				3.61
ACOP				3.727
Moisture Removal			l/h	2.5
Air Circulation	**Indoor (High Fan)**		l/s	444
	Outdoor		l/s	1000
Power Supply	**Outdoor**		240V - 1Ph - 50Hz	
Sound Pressure Level	**Indoor (High Fan)**		dB	40
	Outdoor		dB	53
Sound Power Level	**Outdoor**		dB	69
Weight (Net)	**Indoor (Grille)**		Kg	26 (5.5)
	Outdoor		Kg	61
Dimensions HxWxD (mm)	**Indoor (Grille)**		288 x 840 x 840 (50 x 950 x 950)	
	Outdoor		830 x 900 x 330	
Connection Pipe Sizes	**Liquid**		mm	9.52
	Gas		mm	15.88
Drain Pipe Sizes	**Internal**		mm	25
	External		mm	32

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.

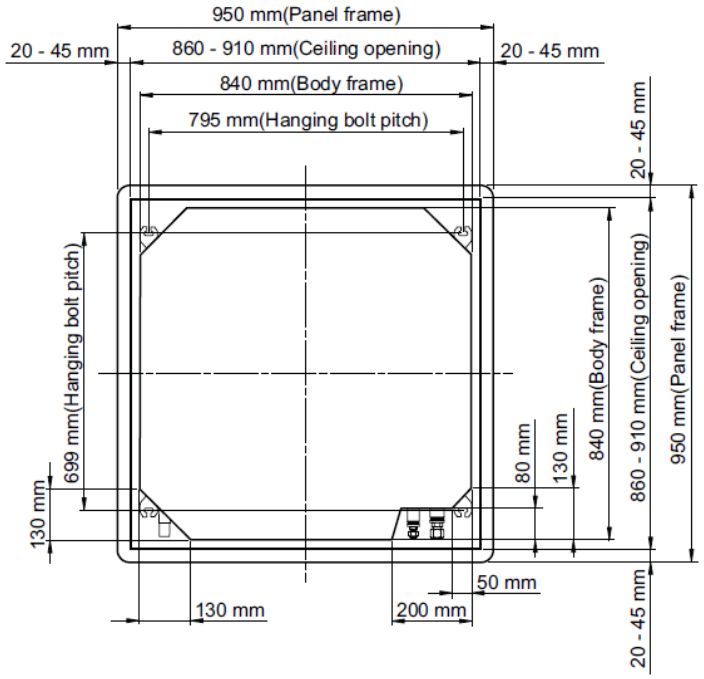
SOUND POWER LEVELS measured in accordance to AS1217.

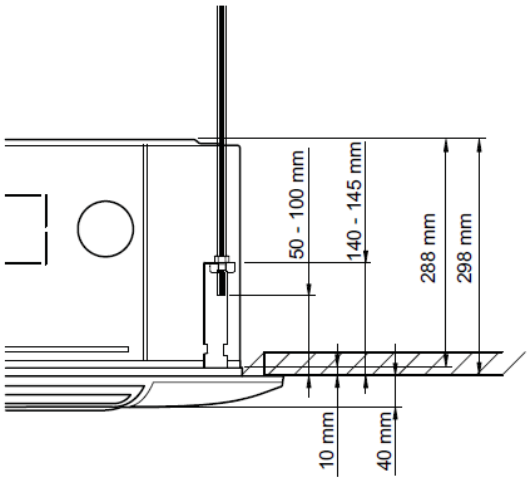
In all conditions, the FAN speed is HIGH.

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

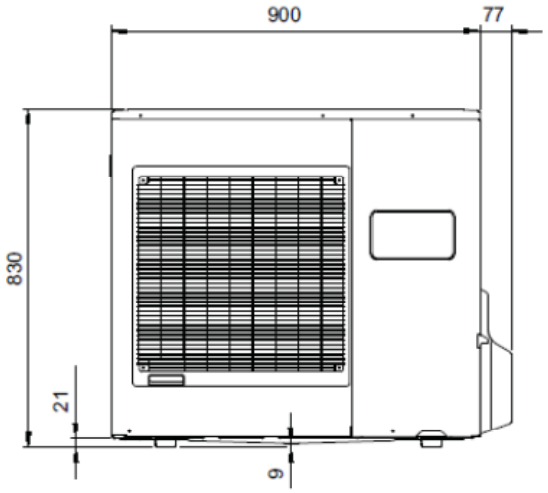
Dimensions

Indoor Unit

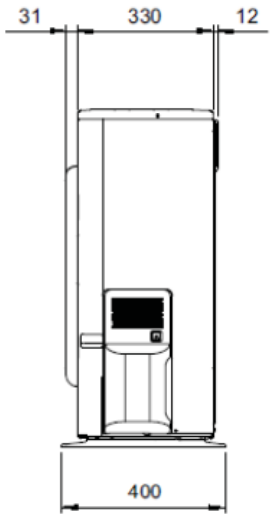




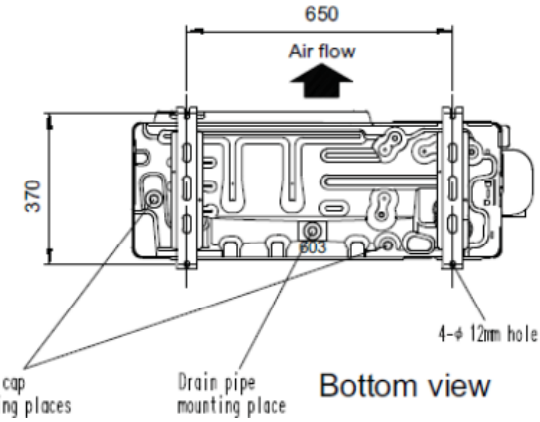
Outdoor Unit



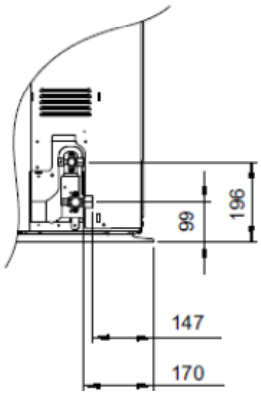
Front view



Side view



Bottom view



Technical Data

PI = Power Input (kW) SHC = Sensible Heat Capacity (kW) TC = Total Capacity (kW)

Cooling Capacity — Air Flow Rate 26.7 m^3/min

		Indoor Temperature											
		18 °CDB			21 °CDB			23 °CDB			25 °CDB		
		12 °CWB			15 °CWB			16 °CWB			18 °CWB		
Outdoor Temperature	(°CDB)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	-15	8.67	6.58	1.20	9.66	6.62	1.22	9.99	7.20	1.22	10.65	7.22	1.24
	-10	8.52	6.38	1.64	9.49	6.42	1.66	9.81	6.98	1.67	10.46	7.00	1.69
	0	8.12	6.26	2.11	9.04	6.30	2.15	9.35	6.85	2.16	9.97	6.87	2.18
	5	7.99	6.11	2.14	8.90	6.14	2.17	9.21	6.68	2.19	9.81	6.70	2.21
	10	7.96	6.19	2.19	8.87	6.23	2.23	9.17	6.77	2.24	9.77	6.79	2.26
	15	8.63	6.48	2.41	9.62	6.52	2.45	9.94	7.09	2.46	10.60	7.11	2.49
	20	9.82	7.03	2.97	10.94	7.07	3.01	11.31	7.69	3.03	12.06	7.71	3.06
	25	9.48	6.89	3.31	10.56	6.93	3.36	10.92	7.53	3.38	11.64	7.56	3.41
	30	8.81	6.70	3.34	9.81	6.74	3.39	10.15	7.32	3.41	10.81	7.35	3.44
	35	7.90	6.12	3.35	8.80	6.16	3.40	9.10	6.69	3.42	9.70	6.71	3.45
	40	6.16	5.13	2.94	6.86	5.16	2.99	7.09	5.61	3.01	7.56	5.63	3.04
	46	5.44	4.92	2.91	6.06	4.95	2.96	6.27	5.39	2.97	6.68	5.40	3.00

Cooling Capacity (Cont) — Air Flow Rate 26.7 m^3/min

		Indoor Temperature								
		27 °CDB			29 °CDB			32 °CDB		
		19 °CWB			21 °CWB			23 °CWB		
Outdoor Temperature	(°CDB)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	-15	10.98	7.80	1.24	11.64	7.77	1.25	12.29	8.27	1.27
	-10	10.79	7.56	1.70	11.43	7.53	1.71	12.08	8.02	1.73
	0	10.28	7.42	2.19	10.89	7.39	2.21	11.51	7.87	2.23
	5	10.12	7.23	2.22	10.72	7.21	2.24	11.33	7.68	2.26
	10	10.07	7.34	2.27	10.68	7.31	2.29	11.28	7.78	2.32
	15	10.93	7.68	2.50	11.58	7.65	2.53	12.24	8.14	2.55
	20	12.43	8.33	3.08	13.18	8.30	3.11	13.92	8.84	3.14
	25	12.00	8.16	3.43	12.72	8.13	3.46	13.44	8.66	3.50
	30	11.15	7.93	3.46	11.82	7.90	3.50	12.49	8.42	3.53
	35	10.00	7.25	3.47	10.60	7.22	3.51	11.20	7.69	3.54
	40	7.80	6.08	3.05	8.26	6.05	3.08	8.73	6.45	3.11
	46	6.89	5.83	3.02	7.30	5.81	3.05	7.71	6.19	3.08

Heating Capacity — Air Flow Rate 26.7 m^3/min

			Indoor Temperature									
			16 °CDB		18 °CDB		20 °CDB		22 °CDB		24 °CDB	
Outdoor Temperature	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	-15	-16	8.34	3.37	8.14	3.44	7.94	3.51	7.75	3.58	7.55	3.65
	-10	-11	8.79	3.38	8.58	3.45	8.37	3.52	8.16	3.59	7.95	3.66
	-5	-7	9.55	3.41	9.32	3.48	9.09	3.55	8.86	3.62	8.64	3.69
	0	-2	10.12	3.37	9.88	3.44	9.64	3.51	9.40	3.58	9.16	3.65
	5	3	11.23	3.35	10.96	3.42	10.69	3.49	10.43	3.56	10.16	3.62
	7	6	11.76	3.33	11.48	3.40	11.20	3.47	10.92	3.54	10.64	3.61
	10	8	12.12	3.30	11.83	3.37	11.54	3.44	11.25	3.51	10.96	3.57
	15	10	10.86	2.52	10.60	2.57	10.34	2.62	10.09	2.67	9.83	2.71
	20	15	10.87	2.23	10.61	2.28	10.35	2.33	10.09	2.37	9.83	2.41
	24	18	11.31	2.25	11.04	2.30	10.78	2.34	10.51	2.39	10.24	2.43

Air Flow Chart

4-Way Outlet (Cooling/Heating)

	Fan Speed	Number of Rotations (rpm)	Airflow	
Indoor	High	570	l/s	444
	Med	510	l/s	824
	Low	470	l/s	353
	Quiet	420	l/s	319
Outdoor	Cooling	850	l/s	1000
	Heating	900	l/s	1056

3-Way Outlet (Cooling/Heating)

	Fan Speed	Number of Rotations (rpm)	Airflow (Max/ Min)	
Indoor	High	610	l/s	431/375
	Med	550	l/s	375/333
	Low	510	l/s	347/306
	Quiet	460	l/s	306/264
Outdoor	Cooling	850	l/s	1000
	Heating	900	l/s	1056

Specifications

Electrical

Power Requirement	240V – 1Ph – 50Hz Outdoor		
Fuse Or Circuit Breaker (A)	30	Min Power Cable (mm²)	3.5
		Interconnecting Cables	3+E

Compressor

Type	Twin Rotary
Motor (W)	1100

Indoor Coil

Type	Copper Tube + Aluminum Fin
Rows / Stages	2 × 12
Fin Pitch (mm)	1.2
Coating	Hydrophilic Coating

Outdoor Coil

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

Indoor Fan And Motor

Fan Type	Turbo × 1
Motor (W)	80

Outdoor Fan And Motor

Fan Type	Propeller
Motor (W)	100

Refrigeration System

Refrigerant Type		R410A
Charge	g	2100
Maximum Line Length / Height	m	50 / 30
Pre-Charged Length	m	20
Additional Charge	g/m	40
Connection Method		Flare
Expansion Control		Expansion Valve

Safety Devices

Indoor	Circuit Protection	Current Fuse (PCB)	3.15A 250V
	Fan Motor Protection	Thermal Protection Program	140±20°C OFF 110±20°C ON
Outdoor	Circuit Protection	Current Fuse (Near the Terminal)	25A 250V
		Current Fuse (Filter Printed Circuit Board)	10A 250V
		Current Fuse (Main Printed Circuit Board)	3.15A 250V
	Fan Motor Protection	Thermal Protection Program	140±20°C OFF 110±20°C ON
	High Pressure Protection	Pressure Switch	OFF: 4.2±0.1MPa ON: 3.2±0.15MPa
	Compressor Protection	Thermal Protection Program (Compressor Temp.)	OFF: 108°C ON: 80°C
		Thermal Protection Program (Discharge Temp.)	OFF: 110°C ON: After 7 minutes
Operating Ranges	Cooling	Indoor	18°C to 32 °C
		Outdoor	-15°C to 46 °C
	Heating	Indoor	16°C to 30°C
		Outdoor	-15°C to 24°C

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