



## CASSETTE INVERTER

**INDOOR**

**OUTDOOR**

**AUTA36LCLU**

**AOTA36LCTL**



**INVERTER**



## TECHNICAL SPECIFICATIONS

Capacity	Cooling	Rated	kW	10.0
		Range	kW	3.5 – 11.2
	Heating	Rated	kW	11.2
		Range	kW	4.0 – 14.0
Input	Cooling	kW	2.94 (4.54)	
	Heating	kW	2.98 (4.54)	
Current	Cooling	A	12.3	
	Heating	A	12.5	
Max Running Current	Cooling	A	19.0	
	Heating	A	19.5	
Starting Current			A	13.0
EER (Cooling)				3.40
AEER				3.498
COP (Heating)				3.76
ACOP				3.749
Moisture Removal			l/h	3.0
Air Circulation	Indoor (High Fan)	l/s	500	
	Outdoor	l/s	1722	
Power Supply	Outdoor	240V - 1Ph - 50Hz		
Sound Pressure Level	Indoor (High Fan)	dB	44	
	Outdoor	dB	54	
Sound Power Level	Outdoor	dB	68	
Weight (Net)	Indoor (Grille)	Kg	27 (5.5)	
	Outdoor	Kg	86	
Dimensions HxWxD (mm)	Indoor (Grille)	288 x 840 x 840 (50 x 950 x 950)		
	Outdoor	1290 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.

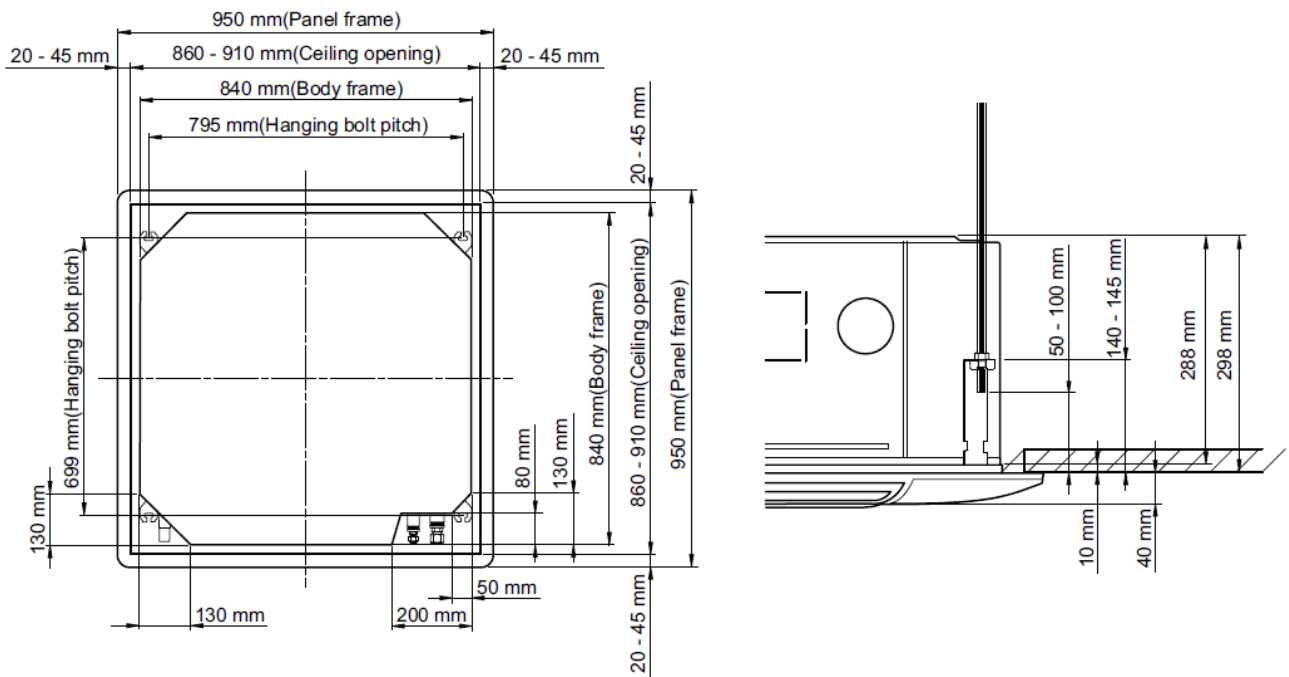
SOUND POWER LEVELS measured in accordance to AS1217.

In all conditions, the FAN speed is HIGH.

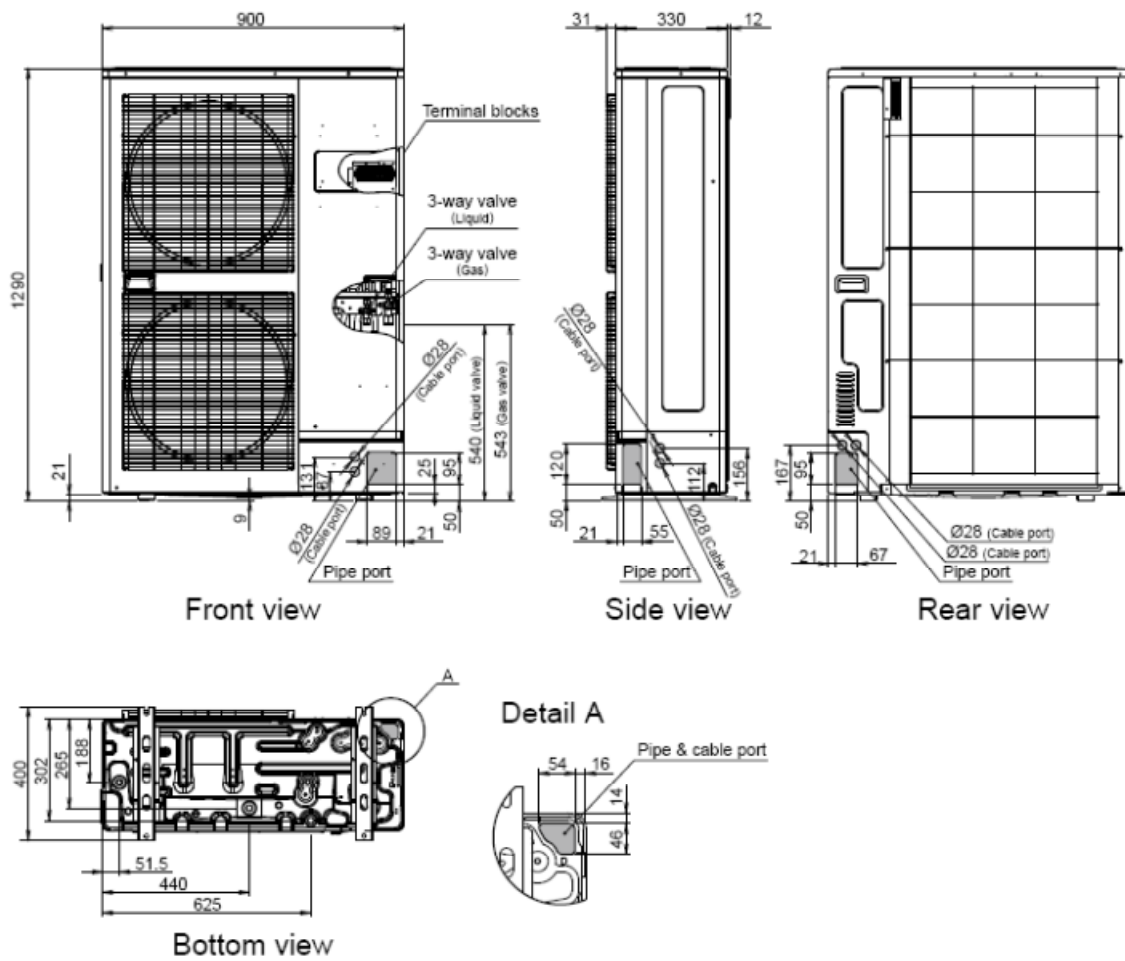
Specifications and design are subject to change without notice. Please check with your dealer.

# Dimensions

## Indoor Unit



## Outdoor Unit



# Technical Data

PI = Power Input (kW)

SHC = Sensible Heat Capacity (kW)

TC = Total Capacity (kW)

## Cooling Capacity

### Air Flow Rate 30.0 m<sup>3</sup>/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	8.83	6.90	1.40	9.84	6.95	1.42	10.17	7.55	1.43	10.85	7.58	1.44
	-10	8.76	6.65	1.41	9.76	6.69	1.44	10.10	7.27	1.44	10.76	7.29	1.46
	0	8.68	6.61	1.49	9.67	6.65	1.51	10.00	7.23	1.52	10.66	7.25	1.54
	5	8.63	6.66	1.59	9.61	6.70	1.62	9.94	7.28	1.63	10.59	7.30	1.64
	10	8.59	6.74	1.72	9.57	6.78	1.74	9.90	7.38	1.75	10.55	7.40	1.77
	15	8.55	6.72	1.92	9.52	6.76	1.95	9.84	7.35	1.96	10.49	7.38	1.98
	20	8.77	6.43	2.36	9.77	6.47	2.40	10.10	7.03	2.41	10.77	7.05	2.43
	25	8.89	6.56	2.79	9.91	6.60	2.84	10.24	7.17	2.85	10.92	7.20	2.88
	30	9.17	6.69	3.32	10.22	6.73	3.37	10.57	7.32	3.38	11.26	7.34	3.42
	35	8.85	6.59	3.68	9.86	6.62	3.74	10.19	7.20	3.76	10.86	7.23	3.80
40	8.01	6.20	3.80	8.93	6.24	3.86	9.23	6.78	3.88	9.84	6.80	3.92	
46	6.79	5.65	3.84	7.57	5.69	3.90	7.83	6.18	3.92	8.34	6.20	3.96	

## Cooling Capacity (Cont)

### Air Flow Rate 30.0 m<sup>3</sup>/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	11.18	8.18	1.45	11.85	8.15	1.47	12.52	8.68	1.48
	-10	11.09	7.87	1.47	11.76	7.84	1.48	12.43	8.35	1.50
	0	10.99	7.83	1.55	11.65	7.80	1.56	12.31	8.31	1.58
	5	10.92	7.89	1.65	11.58	7.86	1.67	12.23	8.37	1.69
	10	10.88	7.99	1.78	11.53	7.96	1.80	12.18	8.48	1.81
	15	10.82	7.97	1.99	11.47	7.93	2.01	12.12	8.45	2.03
	20	11.10	7.62	2.45	11.77	7.59	2.47	12.44	8.08	2.49
	25	11.26	7.77	2.90	11.93	7.74	2.92	12.61	8.25	2.95
	30	11.61	7.93	3.44	12.31	7.90	3.47	13.00	8.41	3.50
	35	11.20	7.80	3.82	11.87	7.77	3.86	12.54	8.28	3.89
40	10.14	7.35	3.94	10.75	7.32	3.98	11.36	7.79	4.02	
46	8.60	6.70	3.98	9.12	6.67	4.02	9.63	7.11	4.06	

## Heating Capacity

### Air Flow Rate 30.0 m<sup>3</sup>/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	10.74	4.20	10.48	4.28	10.23	4.37	9.97	4.46	9.71	4.54
	-10	-11	11.90	4.20	11.62	4.28	11.34	4.37	11.05	4.46	10.77	4.54
	-5	-7	13.02	4.20	12.71	4.28	12.40	4.37	12.09	4.46	11.78	4.54
	0	-2	14.02	4.20	13.69	4.28	13.35	4.37	13.02	4.46	12.68	4.54
	5	3	14.46	4.20	14.11	4.28	13.77	4.37	13.43	4.46	13.08	4.54
	7	6	14.70	4.20	14.35	4.28	14.00	4.37	13.65	4.46	13.30	4.54
	10	8	15.03	4.20	14.67	4.28	14.31	4.37	13.96	4.46	13.60	4.54
	15	10	15.30	4.20	14.94	4.28	14.57	4.37	14.21	4.46	13.84	4.52
	20	15	16.10	4.15	15.72	4.24	15.33	4.33	14.95	4.41	14.57	4.48
	24	18	16.60	4.12	16.21	4.21	15.81	4.29	15.42	4.38	15.02	4.45

## Air Flow Chart

### 4-Way Outlet (Cooling/Heating)

	Fan Speed	Number of Rotations (rpm)	Airflow	
			l/s	500
Indoor	High	660	l/s	500
	Med	540	l/s	397
	Low	470	l/s	347
	Quiet	430	l/s	319
Outdoor	Cooling	Upper: 780 Lower: 750	l/s	1722
	Heating	Upper: 780 Lower: 750	l/s	1722

### 3-Way Outlet (Cooling/Heating)

	Fan Speed	Number of Rotations (rpm)	Airflow	
			l/s	456
Indoor	High	700	l/s	456
	Med	580	l/s	372
	Low	510	l/s	322
	Quiet	470	l/s	294
Outdoor	Cooling	Upper: 780 Lower: 750	l/s	1722
	Heating	Upper: 780 Lower: 750	l/s	1722

# Specifications

## Electrical

Power Requirement	240V – 1Ph – 50Hz Outdoor		
Fuse Or Circuit Breaker (A)	30	Min Power Cable (mm <sup>2</sup> )	6.0
		Interconnecting Cables	3+E

## Compressor

Type	Twin Rotary
Motor (W)	2100

## Indoor Coil

Type	Copper Tube + Aluminum Fin
Rows / Stages	3 x 12
Fin Pitch (mm)	1.3
Coating	Hydrophilic Coating

## Outdoor Coil

Type	Copper Tube + Aluminum Fin
Rows / Stages	2 x 60
Fin Pitch (mm)	1.30
Coating	Blue Fin

## Indoor Fan And Motor

Fan Type	Turbo x 1
Motor (W)	80

## Outdoor Fan And Motor

Fan Type	Propeller x 2
Motor (W)	104

## Refrigeration System

Refrigerant Type		R410A
Charge	g	3350
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	110±15°C OFF 105±15°C ON
Outdoor	Circuit Protection	Current Fuse (Filter Printed Circuit Board)	10A 250V 3.15A 250V
		Current Fuse (Main Printed Circuit Board)	3.15A 250V
	Fan Motor Protection	Thermal Protector	150±15°C OFF 120±15°C ON
	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
	High Pressure Protection	Pressure Switch	OFF: 4.2±0.1MPa ON: 3.2±0.15MPa
Low Pressure Protection	Pressure Sensor	OFF: 0.12MPa ON: 0.15MPa	
Operating Ranges	Cooling	Indoor	18°C to 32 °C
		Outdoor	-15°C to 46 °C
	Heating	Indoor	30°C or less
		Outdoor	-15°C to 24°C

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