



## COMPACT CASSETTE INVERTER

**INDOOR**

**OUTDOOR**

**AUTG24LVLC**

**AOTG24LATC**



**INVERTER**

## TECHNICAL SPECIFICATIONS

Capacity	Cooling	Rated	kW	7.1
		Range	kW	2.9 – 8.0
	Heating	Rated	kW	8.0
		Range	kW	2.2 – 9.1
Input	Cooling	kW	2.16 (2.47)	
	Heating	kW	2.21 (2.80)	
Current	Cooling	A	9.1	
	Heating	A	9.3	
Max Running Current	Cooling	A	15.7	
	Heating	A	15.7	
Starting Current		A		
EER (Cooling)			3.29	
AEER			3.307	
COP (Heating)			3.61	
ACOP			3.566	
Moisture Removal		l/h	2.7	
Air Circulation	Indoor (High Fan)	l/s	258	
	Outdoor	l/s		
Power Supply	Outdoor	240V - 1Ph - 50Hz		
Sound Pressure Level	Indoor (High Fan)	dB	49	
	Outdoor	dB		
Sound Power Level	Outdoor	dB		
Weight (Net)	Indoor (Grille)	Kg	16 (2.6)	
	Outdoor	Kg		
Dimensions HxWxD (mm)	Indoor (Grille)	245 x 570 x 570 (49 x 700 x 700)		
	Outdoor			
Connection Pipe Sizes	Liquid	mm	6.35	
	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.

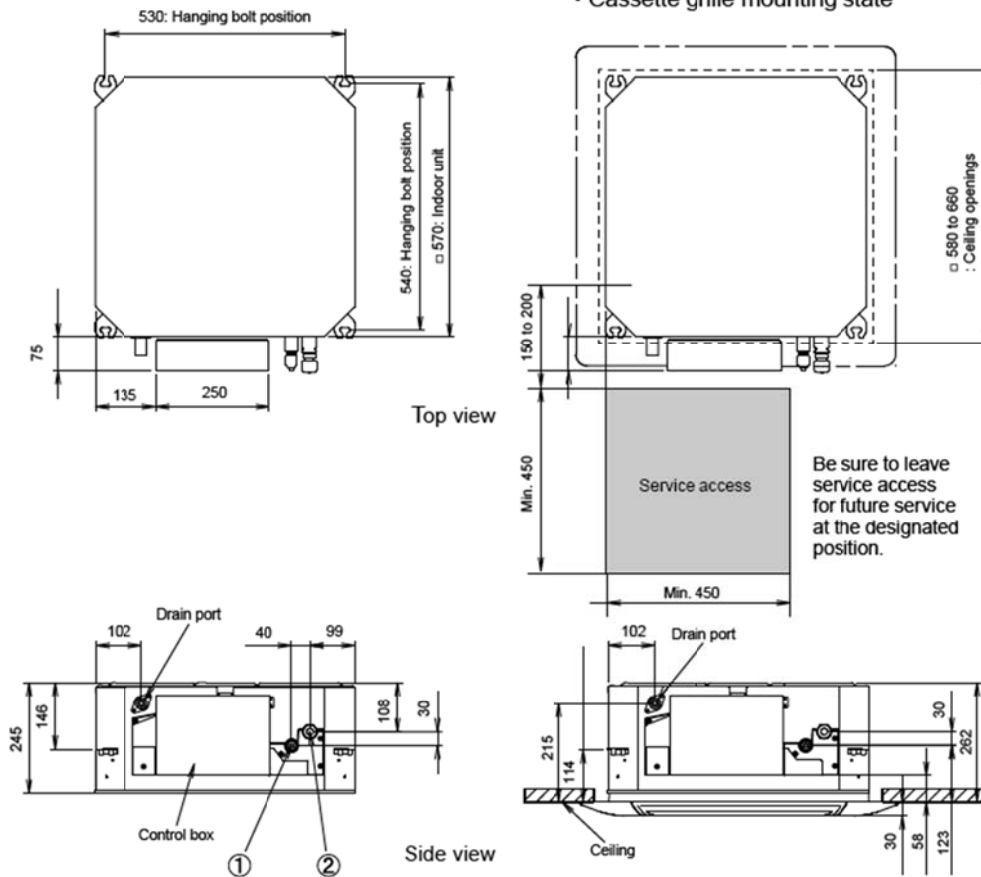
In all conditions, the FAN speed is HIGH.

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

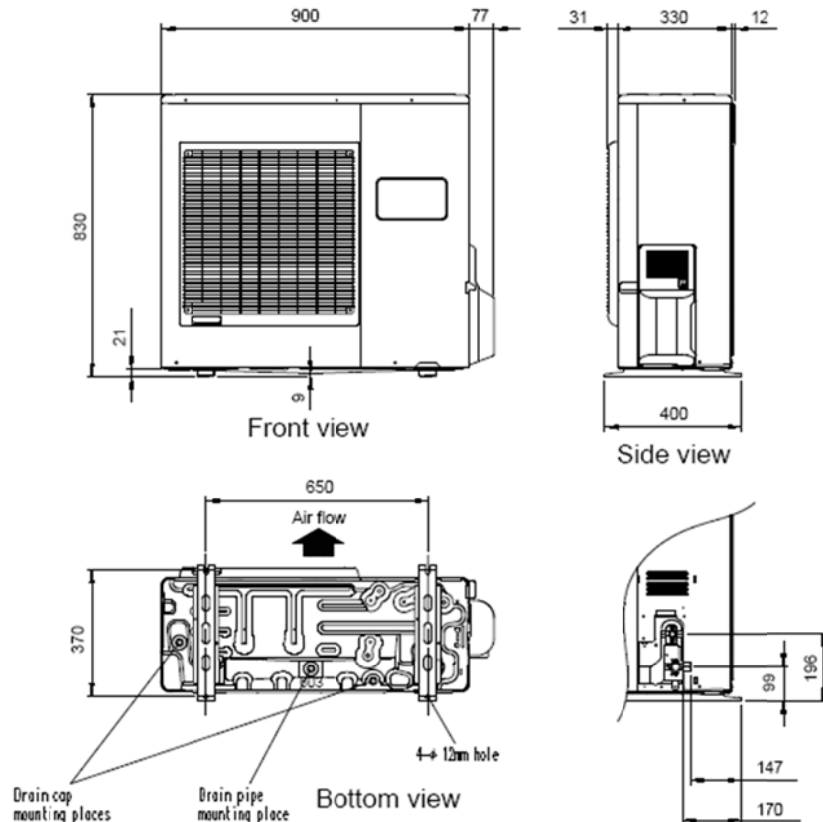
# Dimensions

## Indoor Unit

- Cassette grille mounting state



## Outdoor Unit



# Technical Data

PI = Power Input (kW)

SHC = Sensible Heat Capacity (kW)

TC = Total Capacity (kW)

## Cooling Capacity

Air Flow Rate 15.5 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
	-10	5.62	4.52	0.56	6.26	4.54	0.57	6.47	4.94	0.58	6.90	4.95	0.58
	0	5.52	4.47	0.61	6.15	4.49	0.62	6.36	4.89	0.62	6.78	4.90	0.63
	5	5.33	4.37	0.74	5.94	4.40	0.75	6.14	4.78	0.75	6.55	4.80	0.76
	10	5.12	4.26	0.86	5.71	4.29	0.87	5.90	4.66	0.88	6.29	4.68	0.89
	15	5.25	4.33	0.72	5.85	4.35	0.73	6.05	4.73	0.74	6.45	4.75	0.75
	20	6.75	5.11	1.56	7.52	5.15	1.59	7.77	5.59	1.59	8.29	5.61	1.61
	25	6.41	4.93	1.69	7.14	4.96	1.71	7.38	5.39	1.72	7.87	5.41	1.74
	30	6.07	4.75	1.87	6.76	4.78	1.90	6.99	5.20	1.91	7.46	5.22	1.93
	35	6.32	4.88	2.39	7.04	4.91	2.42	7.28	5.34	2.44	7.76	5.36	2.46
40	5.22	4.31	1.99	5.81	4.34	2.02	6.01	4.72	2.03	6.41	4.73	2.06	
46	3.74	3.58	1.51	4.17	3.60	1.53	4.31	3.91	1.54	4.60	3.92	1.55	

## Cooling Capacity (Cont)

Air Flow Rate 15.5 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
	-10	7.11	5.35	0.58	7.54	5.33	0.59	7.96	5.68	0.60
	0	6.99	5.29	0.63	7.41	5.27	0.64	7.83	5.62	0.64
	5	6.75	5.18	0.77	7.15	5.16	0.77	7.56	5.50	0.78
	10	6.49	5.05	0.89	6.87	5.03	0.90	7.26	5.36	0.91
	15	6.65	5.13	0.75	7.05	5.11	0.76	7.44	5.44	0.76
	20	8.54	6.06	1.62	9.05	6.04	1.63	9.57	6.43	1.65
	25	8.11	5.84	1.75	8.60	5.82	1.77	9.08	6.20	1.78
	30	7.69	5.63	1.94	8.15	5.61	1.96	8.61	5.98	1.98
	35	8.00	5.79	2.47	8.48	5.76	2.50	8.96	6.14	2.52
40	6.61	5.11	2.07	7.00	5.09	2.09	7.40	5.42	2.11	
46	4.74	4.24	1.56	5.02	4.22	1.58	5.31	4.50	1.59	

## Heating Capacity

Air Flow Rate 15.5 m<sup>3</sup>/min

		Indoor Temperature											
		16 °CDB		18 °CDB		20 °CDB		22 °CDB		24 °CDB			
		(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Outdoor Temperature	-15	-16	6.15	2.84	6.01	2.90	5.86	2.96	5.72	3.01	5.57	3.07	
	-10	-11	6.92	3.03	6.75	3.09	6.59	3.15	6.42	3.22	6.26	3.28	
	-5	-7	7.64	3.02	7.45	3.08	7.27	3.14	7.09	3.20	6.91	3.27	
	0	-2	8.59	3.00	8.38	3.06	8.18	3.12	7.97	3.18	7.77	3.25	
	5	3	9.54	3.02	9.31	3.08	9.09	3.14	8.86	3.20	8.63	3.27	
	7	6	9.55	2.69	9.33	2.74	9.10	2.80	8.87	2.86	8.64	2.91	
	10	8	9.87	2.69	9.63	2.75	9.40	2.80	9.16	2.86	8.93	2.92	
	15	10	8.97	2.07	8.76	2.12	8.54	2.16	8.33	2.20	8.11	2.25	
	20	15	8.23	1.63	8.03	1.66	7.84	1.69	7.64	1.73	7.45	1.76	
	24	18	8.52	1.62	8.32	1.66	8.12	1.69	7.92	1.73	7.71	1.76	

## Air Flow Chart (Cooling)

	Fan Speed	Number of Rotations (rpm)	Airflow	
Indoor (Standard/High Ceiling)	High	960/1050	l/s	258/286
	Med	850/950	l/s	231/258
	Low	650/750	l/s	167/197
	Quiet	500/500	l/s	125/125
Outdoor	-	850	l/s	1000

## Air Flow Chart (Heating)

	Fan Speed	Number of Rotations (rpm)	Airflow	
Indoor (Standard/High Ceiling)	High	960/1030	l/s	258/278
	Med	880/980	l/s	239/267
	Low	740/840	l/s	194/228
	Quiet	580/580	l/s	147/147
Outdoor	-	850	l/s	1000

# Specifications

## Electrical

Power Requirement	240V – 1Ph – 50Hz Outdoor		
Fuse Or Circuit Breaker (A)	30	Min Power Cable (mm <sup>2</sup> )	4.0
		Interconnecting Cables	3+E

## Compressor

Type	Twin Rotary		
Motor (W)	1100		

## Indoor Coil

Type	Copper Tube + Aluminum Fin
Rows / Stages	3 x 10
Fin Pitch (mm)	1.45
Coating	Hydrophilic Coating

## Outdoor Coil

Type	Copper Tube + Aluminum Fin
Rows / Stages	2 x 38
Fin Pitch (mm)	1.3
Coating	Blue Fin

## Indoor Fan And Motor

Fan Type	Turbo x 1
Motor (W)	42

## Outdoor Fan And Motor

Fan Type	Propeller
Motor (W)	100

## Refrigeration System

Refrigerant Type	R410A	
Charge	g	2,100
Maximum Line Length / Height	m	30 / 30
Pre-Charged Length	m	20
Additional Charge	g/m	20
Connection Method	Flare	
Expansion Control	Expansion Valve	

## Safety Devices

Indoor	Circuit Protection	Current Fuse (PCB)	3.15A 250V
	Fan Motor Protection	Thermal Protection Program	OFF: 138±15°C ON: 105±20°C
Outdoor	Circuit Protection	Current Fuse (Near the Terminal)	25A 250V
		Current Fuse (Main Printed Circuit Board)	10A 250V 3.15A 250V
	Fan Motor Protection	Thermal Protection Program	OFF: 150±15°C ON: 120±15°C
	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
Operating Ranges	Cooling	Indoor	18°C to 32 °C
		Outdoor	-10°C to 46 °C
	Heating	Indoor	16°C to 30°C
		Outdoor	-15°C to 24°C

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

FUJITSU GENERAL (AUST) PTY LIMITED  
ACN 001 229 554  
A SUBSIDIARY OF FUJITSU GENERAL LIMITED

HEAD OFFICE

HOME PAGE

SYDNEY : (02) 8822 2500

MELBOURNE : (03) 9543 5899

BRISBANE : (07) 3257 2800

ADELAIDE : (08) 8172 1180

PERTH : (08) 9240 5877

www.fujitsugeneral.com.au