

PRODUCT INFORMATION SHEET

SET-ASTH09KNCA

Comfort - SET-ASTH09KNCA - Reverse Cycle

Ideal for small rooms, the GENERAL's Comfort range of wall mounted split system air conditioning units provide energy efficient, all-year-round climate control for the home and uses R32 refrigerant, which has a 67 percent lower 'Global Warming Potential Factor' whilst still maintaining the performance of the air conditioner*. Other features include super-quiet mode and powerful operation mode.

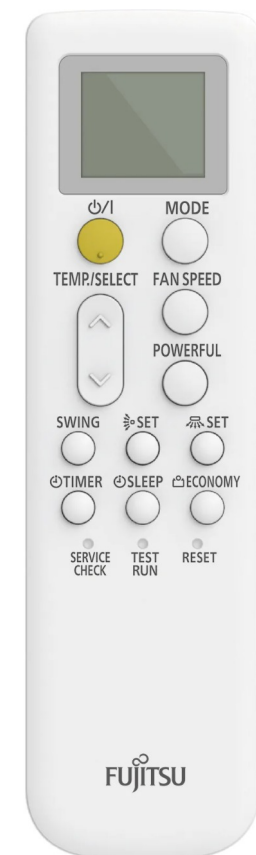
*<https://www.ipcc.ch/assessment-report/ar4/>



ASTH09KNCA



AOTH09KNCA



AR-RPD2E

Key features



Washable Panel

Dust that accumulates on the air conditioner can be easily cleaned with a damp cloth.



All DC

With All DC, electricity loss is decreased and power consumption reduced.



Demand Response

This product is designed to be compatible with Air Conditioning Demand Response program. When your electricity supplier activates one of the three modes the air conditioner switches over to the appropriate operation.



Economy Mode

Limits the maximum operation current, and performs operation with the power consumption suppressed.



Auto Changeover

The unit automatically switches between operating modes based on the temperature setting and room temperature.



Auto Restart

Should there be a temporary loss of power, the unit will automatically restart itself in the same operating mode, once the power is restored.



Automatic Air Flow Adjustment

The micro-processor automatically adjusts the air flow to follow changes in room temperature.



i-PAM

i-PAM inverter technology enables high output and high efficiency performance.

Key features



Super Quiet Mode

The indoor units fan can operate at a low speed to produce quieter operation.



Filter Sign

Select appropriate intervals for displaying the filter sign on the indoor unit according to the estimated amount of dust in the air of the room.



Up/Down Swing Louvre

The up/down louvre automatically swings up and down.



Powerful Mode

Powerful mode will operate the indoor unit fan and outdoor unit compressor at maximum operation to quickly make the room conditioned and comfortable.



Automatic Louvre

The position of the louvres is set automatically to match the operating mode. It is also possible to adjust the louvres using the remote control.



V-PAM

v-PAM inverter technology increases the maximum output of the compressor significantly and enables high power and high efficiency.



Low Noise Mode

The compressor speed and the outdoor unit fan speed are limited to reduce the operational noise.



Blue Fin Heat Exchanger

Corrosion-resistance of the heat exchanger in coastal areas has been improved by blue fin treatment of the outdoor unit heat exchanger.



Auto Shut Louvre

The auto shut louvres close or open automatically when the unit stops or starts.



Sleep Timer

The micro-processor gradually changes the room temperature, allowing you to sleep comfortably at night.



Program Timer

This timer allows selection of one of four options. ON, OFF, ON —> OFF, or OFF —> ON.



On-Off Timer

ON-OFF timer can be set to operate once every 24 hours.

Specifications

Model No.	Outdoor Unit			AOTH09KNCA	
	Indoor Unit			ASTH09KNCA	
Operation Type				Reverse Cycle	
Power Source	V / Ph / HZ			230 / 1 / 50	
Capacity	Cooling		KW	2.50 (0.9 - 3.7)	
	Heating		KW	3.20 (0.9 - 4.8)	
Input Power	Cooling		KW	0.59	
	Heating		KW	0.77	
EER	Cooling		kW/kW	4.24	
COP	Heating		kW/kW	4.16	
Star Rating	Cooling			4.5	
	Heating			3.5	
Noise Level	Indoor Sound Pressure (High / Quiet)		Cooling	dBA	46 / 22
			Heating	dBA	46 / 27
	Outdoor Sound Pressure (Cooling / Heating)		dBA	49 / 51	
	Outdoor Sound Power		dBA	62	
Electrical					
Power Requirement				230	
MCB / Cable Size (mm)				1.5	
Interconnecting Wires / Size (mm)				1.5	
Recommended Breaker Size (amps)				15	
Maximum Operating Current (amps)				9	
Refrigerant					
Refrigerant Type			R32		
Charge (g)			590		
Pre Charged (M)			15		
Maximum Pipe Length (M)			20		
Minimum Pipe Length (M)			3		
Maximum Pipe Height (M)			15		
Additonal Refrigerant Charge (g) Per M			20		
Pipe Sizes Suction / Liquid (mm)			9.52 / 6.35		
Refrigeration Pipes Connection Method			Flared		

Technical Data - Cooling

NOTE: Values calculated are based on maximum capacity

■ Model: ASTH09KNCA

AFR				m³/h						630														
		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		
		kW			kW			kW			kW			kW			kW			kW				
	-10	2.65	2.04	0.41	2.96	2.05	0.41	3.06	2.23	0.41	3.26	2.24	0.42	3.36	2.42	0.42	3.56	2.41	0.43	3.76	2.57	0.43		
	0	2.57	1.98	0.43	2.87	1.99	0.44	2.97	2.17	0.44	3.16	2.17	0.44	3.26	2.35	0.45	3.45	2.34	0.45	3.65	2.49	0.46		
	5	2.54	1.95	0.48	2.83	1.96	0.49	2.93	2.14	0.49	3.12	2.14	0.50	3.21	2.31	0.50	3.41	2.31	0.50	3.60	2.46	0.51		
	10	2.50	1.93	0.53	2.79	1.94	0.54	2.88	2.11	0.54	3.07	2.11	0.55	3.17	2.28	0.55	3.36	2.27	0.56	3.55	2.42	0.56		
	15	2.42	1.89	0.47	2.70	1.90	0.48	2.79	2.07	0.48	2.97	2.07	0.49	3.07	2.24	0.49	3.25	2.23	0.49	3.43	2.37	0.50		
	20	2.34	1.82	0.41	2.61	1.83	0.42	2.70	1.99	0.42	2.87	2.00	0.43	2.96	2.16	0.43	3.14	2.15	0.43	3.32	2.29	0.44		
	25	2.22	1.73	0.47	2.48	1.74	0.47	2.56	1.89	0.47	2.73	1.90	0.48	2.81	2.05	0.48	2.98	2.04	0.49	3.15	2.18	0.49		
	30	2.10	1.64	0.52	2.34	1.65	0.52	2.42	1.79	0.53	2.58	1.80	0.53	2.66	1.94	0.54	2.82	1.93	0.54	2.98	2.06	0.55		
	35	1.98	1.54	0.57	2.20	1.55	0.58	2.28	1.68	0.58	2.43	1.69	0.59	2.50	1.82	0.59	2.65	1.82	0.60	2.80	1.93	0.60		
	40	1.90	1.37	0.57	2.12	1.38	0.58	2.19	1.50	0.58	2.34	1.50	0.59	2.41	1.62	0.59	2.55	1.62	0.60	2.70	1.72	0.60		
	46	1.84	1.27	0.57	2.04	1.28	0.58	2.11	1.39	0.58	2.25	1.40	0.58	2.32	1.51	0.59	2.46	1.50	0.59	2.60	1.60	0.60		
	50	1.63	1.17	0.58	1.82	1.18	0.59	1.88	1.28	0.60	2.01	1.28	0.60	2.07	1.39	0.61	2.19	1.38	0.61	2.32	1.47	0.62		

Technical Data - Heating

NOTE: Values calculated are based on maximum capacity

■ Model: ASTH09KNCA

AFR			m³/h				630					
			Indoor temperature									
			16		18		20		22		24	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-15	-16	2.60	1.03	2.58	1.05	2.60	1.07	2.54	1.10	2.47	1.12
	-10	-11	2.91	1.08	2.85	1.10	2.78	1.12	2.71	1.14	2.64	1.17
	-5	-7	3.31	1.17	3.23	1.19	3.15	1.21	3.08	1.24	3.00	1.26
	0	-2	4.03	1.32	3.94	1.35	3.84	1.38	3.74	1.40	3.65	1.43
	5	3	4.75	1.47	4.64	1.51	4.53	1.54	4.41	1.57	4.30	1.60
	7	6	4.90	1.54	4.92	1.57	4.80	1.60	4.68	1.63	4.56	1.66
	10	8	4.61	1.38	4.50	1.41	4.39	1.44	4.28	1.47	4.17	1.50
	15	10	4.73	1.39	4.62	1.42	4.50	1.45	4.39	1.48	4.28	1.51
20	15	4.52	1.30	4.36	1.31	4.17	1.31	3.99	1.31	3.81	1.31	
24	18	4.62	1.28	4.51	1.30	4.33	1.31	4.14	1.31	3.96	1.31	

AFR: Airflow Rate (m3/min) / High Fan Speed 389 l/s
TC: Total Capacity (KW)
SHC: Sensible Heat Capacity (kW)
IP: Input Power (kW)

Air Flow Data

■ Model: ASTH09KNCA

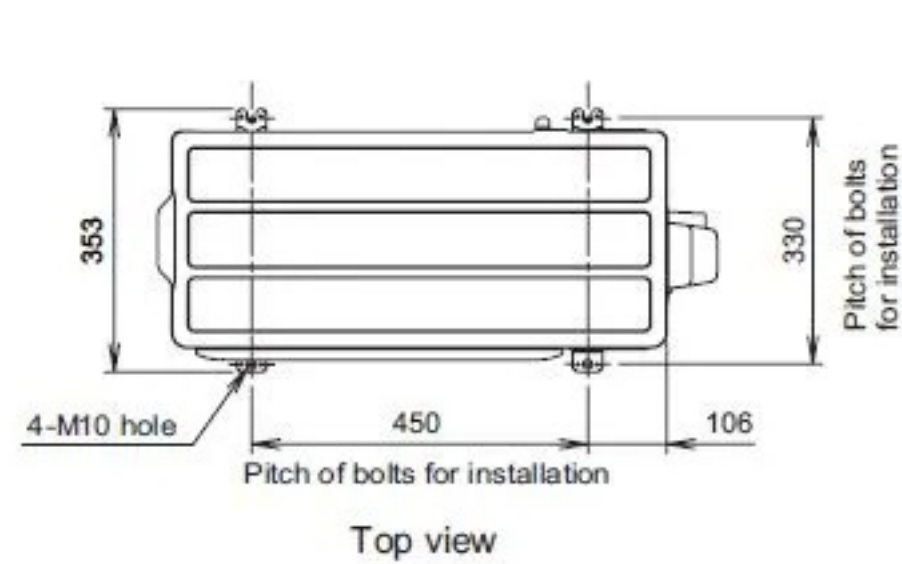
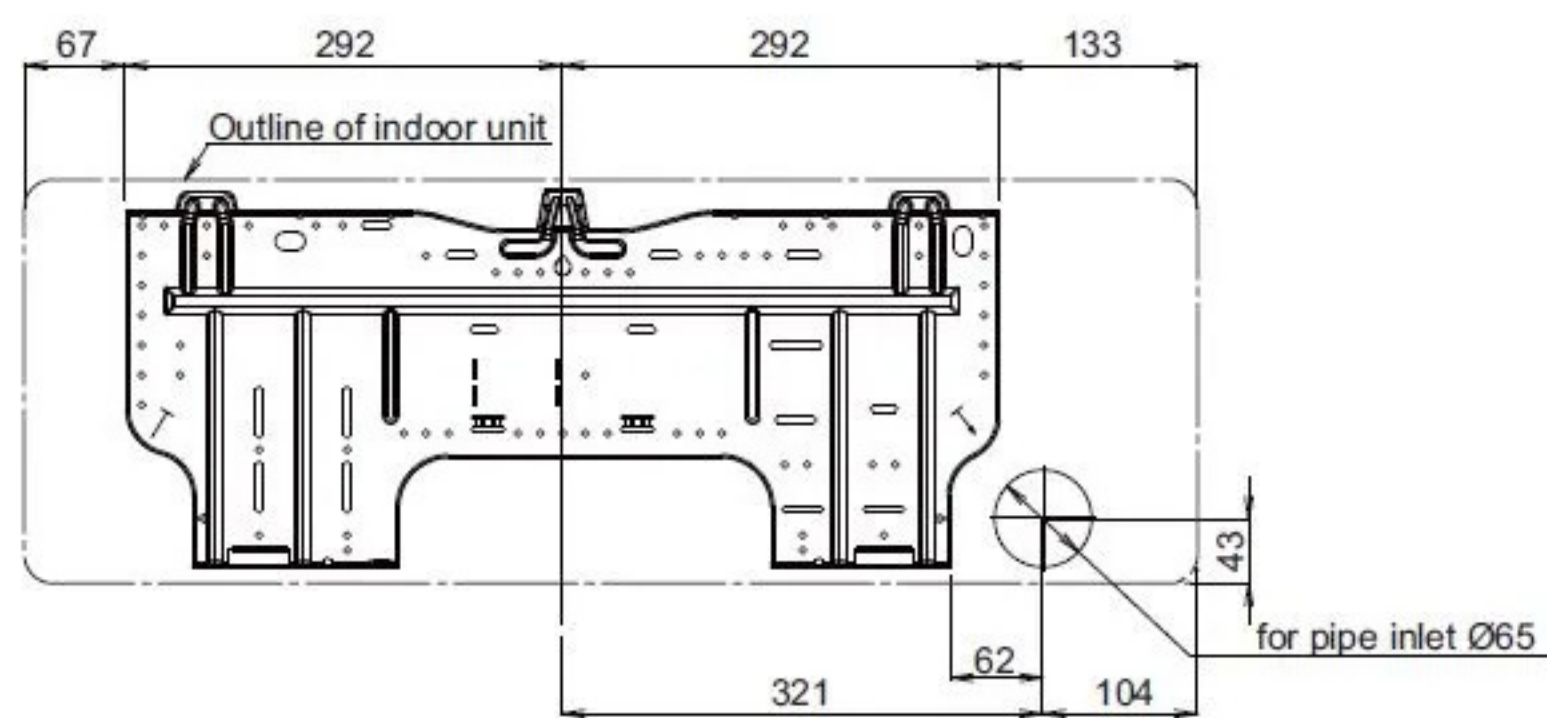
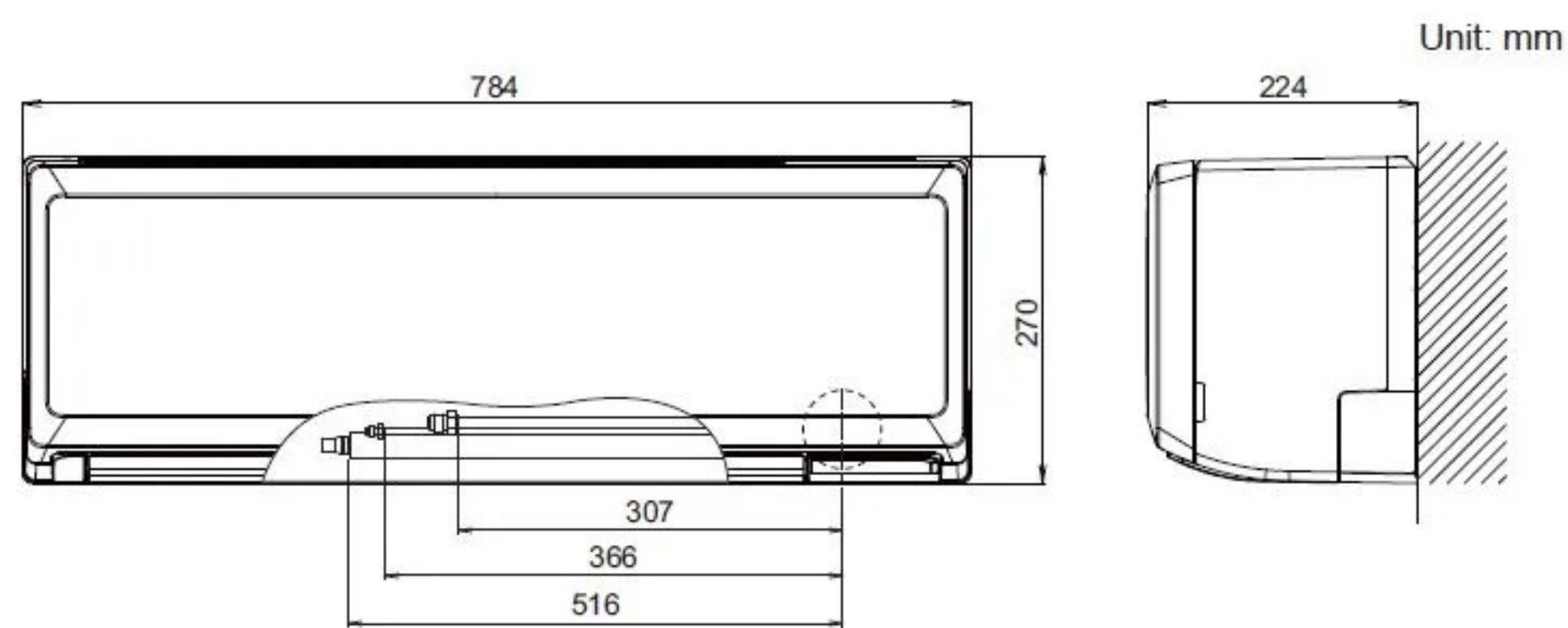
● Cooling

Fan speed	Airflow	
HIGH	m ³ /h	630
	l/s	175
	CFM	371
MED	m ³ /h	490
	l/s	136
	CFM	288
LOW	m ³ /h	360
	l/s	100
	CFM	212
QUIET	m ³ /h	240
	l/s	67
	CFM	141

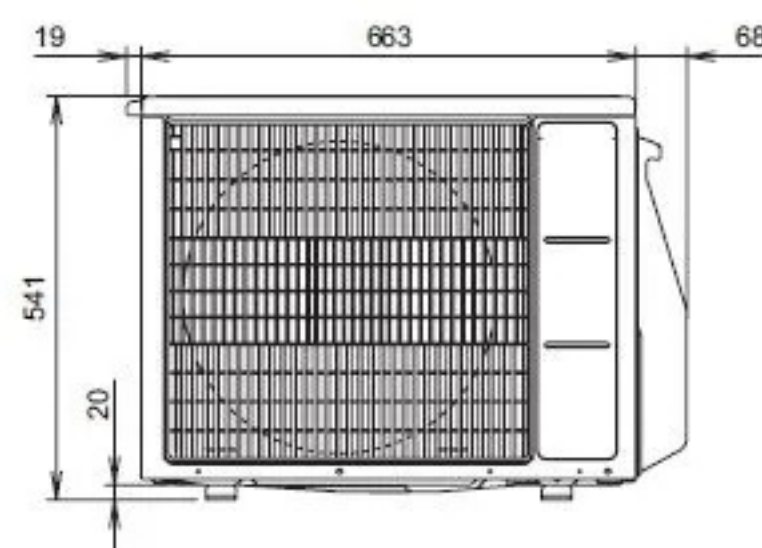
● Heating

Fan speed	Airflow	
HIGH	m ³ /h	630
	l/s	175
	CFM	371
MED	m ³ /h	490
	l/s	136
	CFM	288
LOW	m ³ /h	380
	l/s	106
	CFM	224
QUIET	m ³ /h	260
	l/s	72
	CFM	153

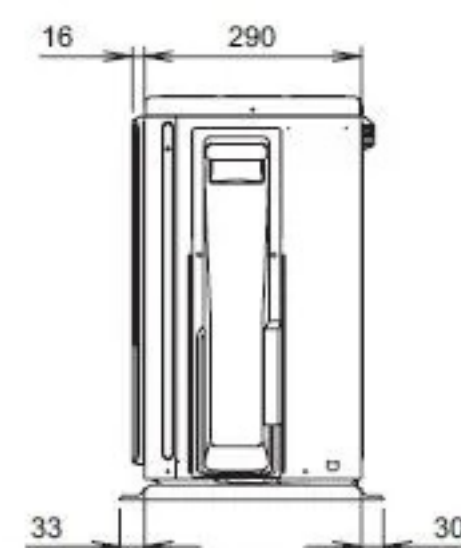
Dimensions



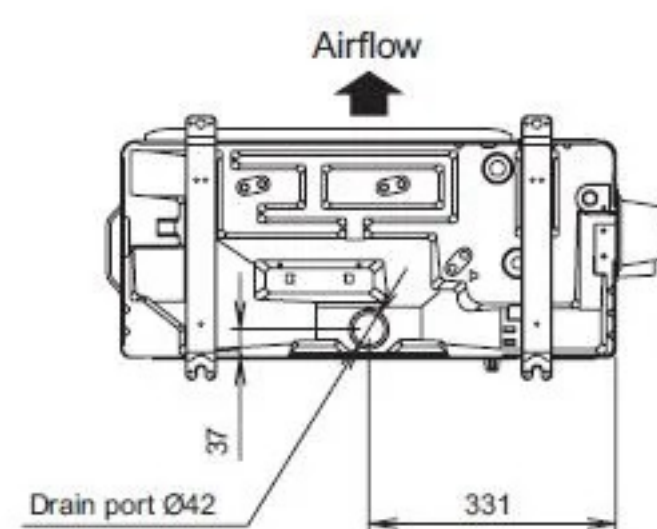
Side view



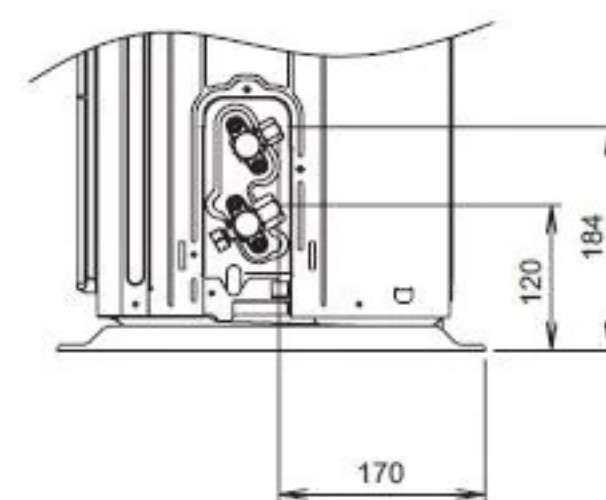
Front view



Side view



Bottom view



Side view (Valve part)

General Assist

Technical Support

General Assist (formerly Fujitsu General Assist) deploys GENERAL (formerly Fujitsu General) trained technicians in Sydney, Melbourne, Brisbane, Adelaide and Perth and provides access to dedicated Service Agents in all other parts of Australia. These technicians are well equipped with the necessary tools and spare parts to enable them to resolve issues onsite, promptly, offering customers a high first time fix rate and seamless experience.

Exceptional After Sales Service

At GENERAL, we pride ourselves on providing exceptional customer service. General Assist is our in-house customer care and technical support department which was implemented to deliver a high level of support and accessibility to our customers.



Peace of Mind

GENERAL believes in the quality and reliability of every air conditioner we sell, providing a 3 years warranty for commercial applications and 5 years warranty for domestic applications.



Optional Parts

Wired Remote Controller:	UTY-RHRYT, UTY-RNRYT6, UTY-RSRYT, UTY-RVRY
WiFi Control:	UTY-NXT-BOX, UTY-NXT-CAB

Please refer to specifications before installation and servicing this product. Only persons and/or companies qualified and experienced in the installation, service and repair of refrigerant products should be permitted to do so. The purchaser must ensure that the person and/or company who is to install, service or repair this air conditioner has qualifications and experience in refrigerant products. Suitable access for warranty and service is required. Future improvement, specifications, designs of product and availability are subject to change without notice. All Capacity and Energy Efficiency ratings are based on AS/NZS3823.2. 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.
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 the manufacturer.

Note: Specifications are based on the following conditions.
Cooling: Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating: Indoor temperature of 20°CDB / 15°CWB, and outdoor temperature of 7°CDB / 6°CWB.
Pipe length: 7.5m; Height difference between outdoor unit and indoor unit: 0m. Voltage: 230V.



GENERAL AUSTRALIA

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