

PRODUCT INFORMATION SHEET

SET-ASTH24KMTD

Lifestyle - SET-ASTH24KMTD - Reverse Cycle

Ideal for large rooms. With energy management features such as Human Sensor Control, economy mode, and weekly timers, the Lifestyle range makes indoor comfort easy and cost-effective.



ASTH24KMTD



AOTH24KMTD



AR-REW1E

Key features



Auto Shut Louvre

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



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.



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.



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.



All DC

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



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-Off Timer

Automatically stops the units operation when a fixed time has elapsed from the start of operation.

Key features

	10°C Heat Operation The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied.		Automatic Air Flow Adjustment The micro-processor automatically adjusts the air flow to follow changes in room temperature.
	Apple-Catechin Filter Fine dust, invisible mould spores and harmful microorganisms are absorbed onto the filter by static electricity and further growth is inhibited and deactivated by the polyphenol ingredient extracted from apples.		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.
	Up/Down Swing Louvre The up/down louver automatically swings up and down.		Long-Life Ion Deodorisation Filter The filter deodorises by powerfully decomposing absorbed odours using the oxidising and reducing effects of ion generated by the ultra-fine particle ceramic.
	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.		Weekly Timer Different ON-OFF times can be set for up to 7 days.
	Program Timer This timer allows selection of one of four options. ON, OFF, ON —> OFF, or OFF —> ON.		Right / Left Swing Louvre The right/left louver automatically swings in either direction.
	i-PAM i-PAM inverter technology enables high output and high efficiency performance.		Low Noise Mode The compressor speed and the outdoor unit fan speed are limited to reduce the operational noise.
	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.		Washable Panel Dust that accumulates on the air conditioner can be easily cleaned with a damp cloth.
	V-PAM v-PAM inverter technology increases the maximum output of the compressor significantly and enables high power and high efficiency.		Double Swing Automatic Complex swing action of the louvres enables them to swing automatically in both horizontal and vertical directions.
	Sleep Timer The micro-processor gradually changes the room temperature, allowing you to sleep comfortably at night.		Human Sensor Human sensor detects movement of people within the conditioned room.
	Super Quiet Mode The indoor units fan can operate at a low speed to produce quieter operation.		On-Off Timer ON-OFF timer can be set to operate once every 24 hours.

Specifications

Model No.	Outdoor Unit			AOTH24KMTD	
	Indoor Unit			ASTH24KMTD	
Operation Type				Reverse Cycle	
Power Source	V / Ph / HZ			230 / 1 / 50	
Capacity	Cooling		KW	7.10 (1.1 - 8.3)	
	Heating		KW	8.00 (1.1 - 10.1)	
Input Power	Cooling		KW	2.08	
	Heating		KW	1.91	
EER	Cooling		kW/kW	3.41	
COP	Heating		kW/kW	4.19	
Star Rating	Cooling			3.5	
	Heating			3	
Noise Level	Indoor Sound Pressure (High / Quiet)		Cooling	dBA	49 / 29
			Heating	dBA	49 / 29
	Outdoor Sound Pressure (Cooling / Heating)		dBA	54 / 53	
	Outdoor Sound Power		dBA	66	
Electrical					
Power Requirement				230	
MCB / Cable Size (mm)				2.5	
Interconnecting Wires / Size (mm)				1.5	
Recommended Breaker Size (amps)				20	
Maximum Operating Current (amps)				16	
Refrigerant					
Refrigerant Type			R32		
Charge (g)			1,270		
Pre Charged (M)			15		
Maximum Pipe Length (M)			30		
Minimum Pipe Length (M)			3		
Maximum Pipe Height (M)			25		
Additonal Refrigerant Charge (g) Per M			20		
Pipe Sizes Suction / Liquid (mm)			12.7 / 6.35		
Refrigeration Pipes Connection Method			Flared		

Technical Data - Cooling

NOTE: Values calculated are based on maximum capacity

Model: ASTH24KMTD

AFR					m³/h						1,170														
					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	4.34	3.72	0.68	4.75	4.07	0.69	4.90	4.20	0.70	5.21	4.46	0.70	5.37	4.60	0.71	5.72	4.90	0.72	6.10	5.23	0.72			
	-5	4.07	3.61	0.82	4.46	3.95	0.83	4.59	4.07	0.84	4.88	4.33	0.84	5.03	4.46	0.85	5.36	4.76	0.86	5.72	5.07	0.87			
	0	3.80	3.50	0.96	4.16	3.83	0.97	4.28	3.95	0.98	4.56	4.20	0.99	4.70	4.33	1.00	5.01	4.61	1.01	5.34	4.92	1.02			
	5	4.26	3.68	0.65	4.66	4.02	0.66	4.80	4.14	0.67	5.11	4.41	0.67	5.27	4.54	0.68	5.61	4.84	0.69	5.98	5.16	0.69			
	10	4.03	3.59	0.78	4.41	3.92	0.79	4.54	4.04	0.80	4.83	4.30	0.81	4.98	4.43	0.81	5.30	4.72	0.82	5.65	5.04	0.83			
	15	5.23	4.07	0.85	5.73	4.45	0.85	5.90	4.59	0.86	6.27	4.88	0.87	6.47	5.03	0.88	6.89	5.36	0.89	7.35	5.71	0.90			
	20	6.29	4.51	1.39	6.89	4.94	1.41	7.10	5.09	1.42	7.55	5.41	1.44	7.78	5.58	1.45	8.29	5.95	1.46	8.84	6.34	1.48			
	25	6.14	4.45	1.56	6.71	4.87	1.58	6.92	5.02	1.60	7.36	5.34	1.61	7.59	5.50	1.63	8.08	5.86	1.65	8.62	6.25	1.66			
	30	5.94	4.37	1.78	6.50	4.78	1.80	6.70	4.93	1.82	7.12	5.24	1.84	7.34	5.40	1.86	7.82	5.75	1.87	8.34	6.13	1.89			
	35	5.74	4.29	2.00	6.28	4.69	2.02	6.48	4.83	2.04	6.89	5.14	2.06	7.10	5.30	2.08	7.57	5.65	2.10	8.07	6.02	2.12			
	40	5.36	4.11	2.13	5.86	4.50	2.15	6.04	4.63	2.18	6.42	4.93	2.20	6.62	5.08	2.22	7.05	5.41	2.24	7.52	5.77	2.26			
	46	4.72	3.80	2.20	5.16	4.16	2.22	5.32	4.29	2.24	5.66	4.56	2.27	5.83	4.70	2.29	6.21	5.01	2.31	6.62	5.34	2.34			
	50	3.46	2.79	1.61	3.79	3.05	1.63	3.90	3.15	1.64	4.15	3.35	1.67	4.28	3.45	1.68	4.56	3.68	1.69	4.86	3.92	1.72			

Technical Data - Heating

NOTE: Values calculated are based on maximum capacity

Model: ASTH24KMTD

AFR			m³/h						1,190							
			Indoor temperature													
			16		18		20		22		24		26		28	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW		kW		kW	
	-15	-16	7.29	2.91	7.10	2.97	6.91	3.03	6.91	3.09	6.53	3.15	6.34	3.21	6.15	3.28
	-10	-11	8.23	2.98	8.01	3.04	7.80	3.11	7.80	3.17	7.37	3.23	7.15	3.29	6.94	3.36
	-5	-7	9.17	3.08	8.93	3.14	8.69	3.21	8.69	3.27	8.21	3.34	7.97	3.41	7.73	3.47
	0	-2	10.11	3.31	9.85	3.37	9.58	3.44	9.58	3.51	9.05	3.58	8.79	3.65	8.52	3.72
	5	3	10.87	3.53	10.58	3.60	10.30	3.68	10.30	3.75	9.73	3.82	9.45	3.90	9.16	3.97
	7	6	10.66	3.04	10.38	3.10	10.10	3.17	10.10	3.23	9.54	3.29	9.26	3.36	8.98	3.42
	10	8	10.78	2.97	10.50	3.03	10.22	3.10	10.22	3.16	9.66	3.21	9.37	3.28	9.09	3.34
	15	10	10.86	2.62	10.58	2.67	10.29	2.73	10.29	2.78	9.72	2.83	9.44	2.89	9.15	2.94
	20	15	10.93	2.31	10.65	2.36	10.36	2.41	10.36	2.46	9.79	2.50	9.50	2.55	9.22	2.60
	24	18	11.00	2.10	10.71	2.14	10.42	2.19	10.42	2.23	9.84	2.27	9.56	2.32	9.27	2.36

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: ASTH24KMTD

● Cooling

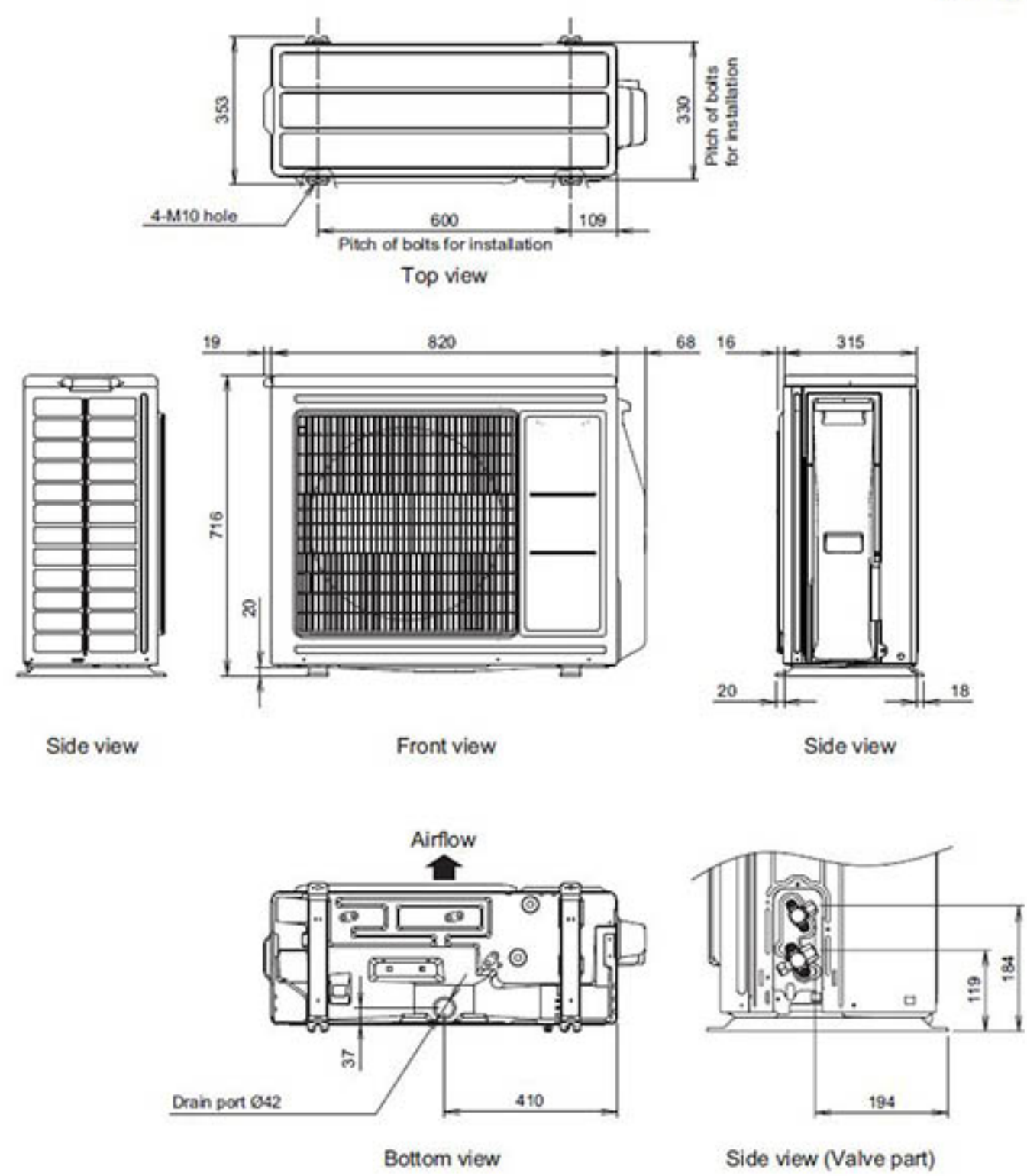
Fan speed	Airflow	
HIGH	m ³ /h	1,170
	l/s	325
	CFM	689
MED	m ³ /h	850
	l/s	236
	CFM	500
LOW	m ³ /h	640
	l/s	178
	CFM	377
QUIET	m ³ /h	510
	l/s	142
	CFM	300

● Heating

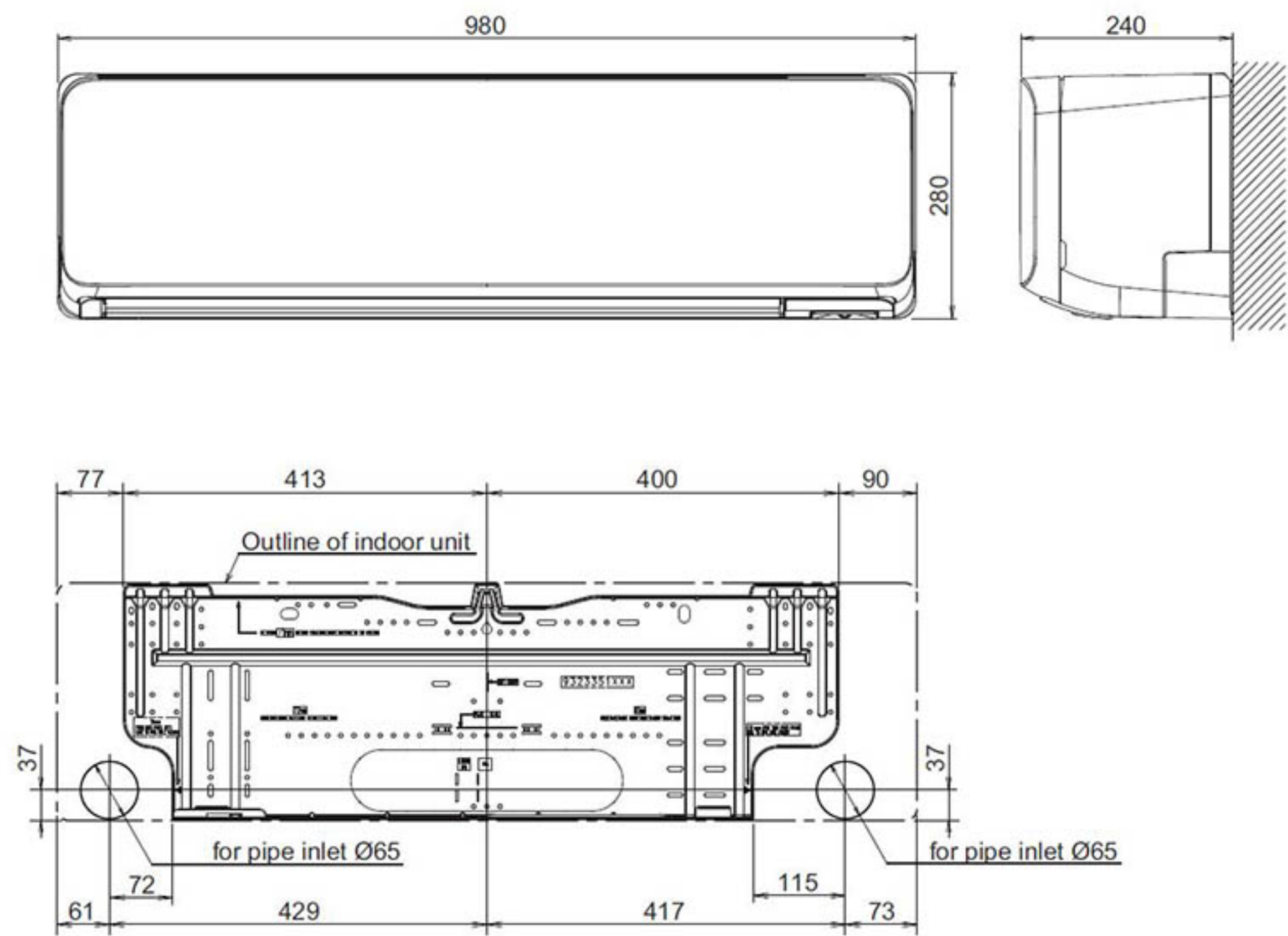
Fan speed	Airflow	
HIGH	m ³ /h	1,190
	l/s	331
	CFM	700
MED	m ³ /h	850
	l/s	236
	CFM	500
LOW	m ³ /h	640
	l/s	178
	CFM	377
QUIET	m ³ /h	510
	l/s	142
	CFM	300

Dimensions

Unit: mm



Unit: mm



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
Other Options:	UTY-TWRXZ2, UTY-XCSXZ2, UTY-XWZXZ5

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.



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