

FUJITSU



Master



Heating down to
-15°C (5°F) and
NO LOCKOUT!

H-Series Single-Zone Wall Mount Systems Altair 500 Series

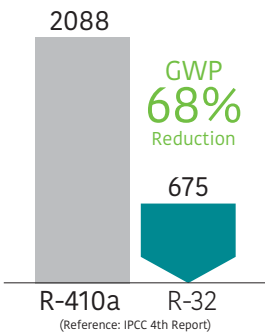
09KPAS1, 12KPAS1, 18KPAS1,
24KPAS1, 30KPAS1, 36KPAS1



AIRSTAGE Altair 500

FUJITSU GENERAL AMERICA, INC

Environmentally Friendly Refrigerant



A refrigerant is a specialized fluid used to transfer heat from one location to another. Fujitsu General has chosen R-32 refrigerant for its environmental performance, offering a significantly lower Global Warming Potential (GWP) compared to other refrigerants.

Additionally, R-32 models require less refrigerant while delivering the superior performance and quality you have come to know.



Ductless Technology



AIRSTAGE mini-splits are easy to install, require little or no ducting, and can provide comfort for any room or the entire home.

Energy Efficient



Save up to 30% on energy bills with AIRSTAGE H-Series systems. Take advantage of local rebates and save even more.

Inverter Technology



Enjoy quick temperature adjustments and consistent comfort as the system adjusts its performance based on your needs.

Year-Round Comfort

AIRSTAGE systems offer both heating and cooling to keep you comfortable year-round.



Quiet & Flexible

With a range of sizes and styles, AIRSTAGE systems offer a smaller footprint, ideal for installations in compact spaces. Furthermore, both indoor and outdoor units feature ultra-quiet operation, providing discreet and efficient comfort.



Revolutionary Controls

Compatible with a wide range of optional controllers.



Experience Beyond Expectations

Fujitsu's commitment to quality and reliability is based on more than 60 years of experience in heating and air conditioning as well as technological development and research conducted according to the strictest and most rigorous standards.

AIRSTAGE Altair 500

Elevate your comfort with the Altair 500 Series inverter heat pump. Offering enhanced features and performance, this system boasts a sleek wall-mounted design and advanced fan technology for superior efficiency and quiet operation. With its compact outdoor unit and extended line set lengths, the Altair 500 Series provides greater flexibility for seamless installation in a variety of spaces.

Features

INDOOR UNIT:

- **Compact** wall-mounted indoor unit delivering superior comfort and energy-efficient performance
- Indoor unit with **ProCore™** (High Corrosion Resistant Copper) coils for long-lasting protection against corrosion



- **Whisper-quiet operation** with sound levels as low as 19dB
- **Improved corrosion resistance** and coil durability through Hydro Fin-coated heat exchanger
- **Backlit wireless remote controller** with luminous buttons for easy visibility, included with the indoor unit



Special Operation modes available:

- Economy Mode/ Energy Saving Mode / Powerful Mode / Minimum Heat Mode / Automatic defrosting operation / Auto-restart function

Enhanced controls platform for seamless, intuitive operation:

- Wi-Fi connectivity with Airstage Mobile App monitoring via compatible USB WLAN adapter
- Extended connectivity with support for third-party interface options
- Compatible with BACnet and Modbus protocols for seamless integration with building management and home automation systems

Additional premium features include, but are not limited to:

- Built-in external input and output for interlocking systems with 3rd party devices (ex: fire alarm, door switch, humidifier, aux. heat & more)
- Multiple Auxiliary Heat logic options for optimized heating performance
- Service monitoring functionality via compatible accessories (UTY-RVRU & UTY-RNRUZ-series)

OUTDOOR UNIT:

- **Low GWP** R-32 systems for reduced environmental impact
- **INVERTER-driven** compressor that offers superior performance, comfort, and energy savings
- **Compact** outdoor unit with **extended** line set
- **Up to 16% higher** rated heating capacity than nominal capacity
- **Low-noise** outdoor unit operation mode
- **Special Cooling Operation** extends cooling operation down to -4°F (-20°C) *Available on select models*

Optional Accessories

UTY-RVRU*	KAGAMI - Touch Panel Wired Controller
UTY-RNRUZ5*	Touch Panel Wired Remote Controller
UTY-RHRY*	Simple Wired Remote (Without Mode Function) - Hospitality
UTY-RSRY*	Simple Wired Remote (With Mode Function)
UTY-TWRXZ2	Communication Kit - Wall Mount
UTY-TFSXH4	Wi-Fi Adapter (WiFi Interface Module USB Type)
FJ-AC-WIFI-1	Intesis Wi-Fi Device: Wired Module
FJ-IR-WIFI-1NA	Intesis IR Wireless AC Cloud Control Interface (Intesis Home app)
BM101WA	Cielo - Breez Max IR Controller w/ WiFi (Black)
BM102WA	Cielo - Breez Max IR Controller w/ WiFi (White)
UTY-VMSX	Modbus Converter
UTY-VTGX*	Network Converter - Convert H-Series Comm. Protocol to V/J-Series Comm.
FJ-AC-485-1	Intesis - BACnet MSTP & Modbus RTU Gateway
UTY-TERX*	External Switch Controller
UTY-TTRXZ1*^	24V Thermostat Interface
TTRXZ1-KIT*^	24V Thermostat Interface Kit (UTY-TTRXZ1, UTY-WIFI Plug & 24V Transformer)
UTY-XCSXZ2	External input and output PCB
UTY-XWZX	External Wire Kit (To connect External Devices to PCB)
UTY-XWZXZ5	External Connect Kit (Dry Contact Wire Kit enables seamless system activation and deactivation via external inputs like home automation systems, switches, or third-party controls)
UTY-DSGYZ2~	Airstage Edge Controller
UTZ-DUWBG*A	Wind Baffle (Selected Models Only)
UTZ-DUHGG*A	Hail Guard (Selected Models Only)

*: Requires Communication kit UTY-TWRXZ2 to connect this device to IDU.

^: This device may not be used with any other type of controls (central controller, wire/wireless RC, WiFi adapter, BMS interface).

~: Connection to AIRSTAGE Cloud requires a compatible AIRSTAGE Mobile adapter connected to the IDU.

Specifications

		09KPAS1		12KPAS1		18KPAS1		24KPAS1		30KPAS1		36KPAS1	
Performance													
Rated Cooling		BTU/h		9,000		12,000		18,000		22,000		30,000	
Min.-Max. Cooling		BTU/h		3,100—11,200		3,100—13,600		4,000—20,000		4,000—24,400		9,900—32,400	
Rated Heating		BTU/h		10,000		14,000		18,000		24,000		34,000	
Min.-Max. Heating		BTU/h		2,400—13,600		2,700—17,000		4,150—24,000		4,150—28,500		9,200—34,800	
SEER2		BTU/hW		26.0		24.0		22.0		21.5		22.0	
HSPF 2 (IV) / HSPF 2 (V)		BTU/hW		10.8 / 8.2		10.5 / 7.9		10.5 / 8.3		10 / 7.7		10.2 / 8	
EER2		BTU/hW		12.5		11.7		12.5		11.7		11.7	
COP2		kW/kW		4.18		3.80		4.20		3.80		3.62	
Energy Star Rating*				ES		ES,ESME		ES, ESCC, ESME		ES, ESCC, ESME		ESCC	
Clg. Operating Range		°F (°C)		14 to 122 (-10 to 50)		14 to 122 (-10 to 50)		14^ to 122 (-10 to 50)		14^ to 122 (-10 to 50)		14^ to 122 (-10 to 50)	
Htg. Operating Range		°F (°C)		5 to 75 (-15 to 24)		5 to 75 (-15 to 24)		5 to 75 (-15 to 24)		5 to 75 (-15 to 24)		5 to 75 (-15 to 24)	
Moisture Removal		Pt/h (l/h)		2.40 (1.12)		3.40 (1.59)		4.9 (2.3)		6.3 (3.0)		9.1 (4.3)	
Fan (Cooling Mode)													
Air Circulation: Hi		CFM (m3/h)		394 (670)		430 (730)		536 (910)		689 (1,170)		806 (1,370)	
Med-High		CFM (m3/h)		365 (620)		365 (620)		506 (860)		583 (990)		724 (1,230)	
Medium		CFM (m3/h)		318 (540)		318 (540)		483 (820)		483 (820)		653 (1,110)	
Med-Low		CFM (m3/h)		283 (480)		283 (480)		430 (730)		430 (730)		583 (990)	
Low		CFM (m3/h)		247 (420)		247 (420)		377 (640)		377 (640)		518 (880)	
Quiet		CFM (m3/h)		153 (260)		153 (260)		259 (440)		312 (530)		418 (710)	
Fan Speed Stages				6+Auto		6+Auto		6+Auto		6+Auto		6+Auto	
Sound Levels (Clg/Htg)													
Indoor: Hi		dB(A)		40/42		42/42		44/43		51/47		51/48	
Med-High		dB(A)		38/38		38/39		43/41		48/45		49/45	
Medium		dB(A)		34/36		34/38		42/39		43/43		46/42	
Med-Low		dB(A)		32/33		33/35		40/37		40/40		43/39	
Low		dB(A)		29/31		29/33		37/34		37/36		39/36	
Quiet		dB(A)		19/21		19/21		26/28		31/32		32/32	
Outdoor		dB(A)		46/48		48/48		50/50		55/54		53/55	
Electrical													
Voltage/Frequency/Phase				208-230/60/1		208-230/60/1		208-230/60/1		208-230/60/1		208-230/60/1	
Circuit Breaker		Amps		15		15		15		20		30	
Current Rated/Max: Clg.		Amps		3.5/ 6.4		4.8/6.9		6.7/9.9		8.2/14.4		11.3/18.4	
Current Rated/Max: Htg.		Amps		3.4/7.9		5.0/7.9		5.6/11.9		8.1/13.9		10.8/17.9	
Power Use Rated/Max: Clg.		kW		0.72/1.13		1.03/1.35		1.44/1.90		1.88/3.20		2.56/3.42	
Power Use Rated/Max: Htg.		kW		0.70/1.18		1.08/1.43		1.26/2.10		1.85/3.10		2.43/3.00	
Size & Weight													
Net Weight		lbs. (kg)		21 (9.5)		51 (23)		21 (9.5)		57 (26)		28 (12.5)	
Dimensions: Height		Inch		10-5/8		21-5/16		10-5/8		21-5/16		11	
		mm		270		541		270		541		280	
Width		Inch		32-13/16		26-1/8		32-13/16		26-1/8		38-9/16	
		mm		834		663		834		663		980	
Depth		Inch		8-3/4		11-7/16		8-3/4		11-7/16		9 7/16	
		mm		222		290		222		290		240	
Refrigerant				R-32		R-32		R-32		R-32		R-32	
Additional Data													
Air Direction: Horiz.				Manual		Manual		Manual		Manual		Manual	
Vertical				Automatic		Automatic		Automatic		Automatic		Automatic	
Air Filter Type				Washable		Washable		Washable		Washable		Washable	
Min. Lineset Length		Ft (m)		10 (3)		10 (3)		10 (3)		10 (3)		16 (5)	
Max. Lineset Length		Ft (m)		66 (20)		66 (20)		98 (30)		98 (30)		164 (50)	
				(pre-charge: 49')		(pre-charge: 49')		(pre-charge: 49')		(pre-charge: 49')		(pre-charge: 66')	
Max. Vertical Diff.		Ft (m)		49 (15)		49 (15)		82 (25)		82 (25)		98 (30)	
Lineset Size		Inch		Gas 3/8		Liq. 1/4		Gas 3/8		Liq. 1/4		Gas 1/2	
^: Special Cooling (18-36k Models): Special Cooling Operation ensures stable cooling performance in low outdoor temperatures, extending the operating range of the outdoor unit to -4°F (-20°C) to 122°F (50°C) (Function Setting: 96).				Indoor		Outdoor		Indoor		Outdoor		Indoor	
				ASUH09KPAS		AOUH09KPAS1		ASUH12KPAS		AOUH12KPAS1		ASUH18KPAS	
								ASUH24KPAS		AOUH24KPAS1		ASUH30KPAS	
										AOUH30KPAS1		Indoor	
				ASUH36KPAS		AOUH36KPAS1						Indoor	

^: Special Cooling (18-36k Models):
Special Cooling Operation ensures stable cooling performance in low outdoor temperatures, extending the operating range of the outdoor unit to -4°F (-20°C) to 122°F (50°C) (Function Setting: 96).

*ES=  ESCC=  COLD CLIMATE
ESME=  Most Efficient 2025
www.energystar.gov



Part #FG8151C Rev. 4/2025
Actual product colour may be different from the colours shown here.
Specifications and design are subject to change without notice.



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