

FUJITSU



Master

H-Series Single-Zone Wall Mount Systems Altair 700 Series 09KMAS1, 12KMAS1



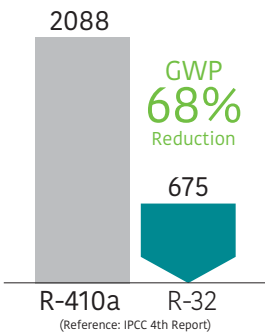
Heating down to
-15°C (5°F) and
NO LOCKOUT!



AIRSTAGE Altair 700

FUJITSU GENERAL AMERICA, INC

Environmentally Friendly Refrigerant



GWP
68%
Reduction

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 700

Maximize comfort and efficiency with the Altair 700 Series inverter heat pumps. Packed with top-quality features, this energy-efficient system includes a stylish wall-mounted design, cutting-edge fan technology, and whisper-quiet operation. The compact outdoor unit and extended line set lengths make installation effortless, delivering unparalleled comfort and flexibility to any space.

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



PROCORE™
High Corrosion-Resistant Technology

- **Whisper-quiet operation** with sound levels as low as 19dB

Special Operation modes available:

- Economy Mode/ Energy Saving Mode / Powerful Mode / Minimum Heat Mode / Automatic defrosting operation / Auto-restart function
- **Wireless Remote Controller** provided with the indoor unit

Enhanced controls platform for seamless, intuitive operation:

- Built-in Wi-Fi® connectivity with remote monitoring via the AIRSTAGE Mobile App
- 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 lengths up to 66ft (20m)
- **Up to 33% higher** rated heating capacity than nominal capacity
- **Low-noise** outdoor unit operation mode

Optional Accessories

UTY-RVRU ¹	KAGAMI - Touch Panel Wired Controller
UTY-RNRUZ ¹	Touch Panel Wired Remote Controller
UTY-RHRY ¹	Simple Wired Remote (Without Mode Function) - Hospitality
UTY-RSRY ¹	Simple Wired Remote (With Mode Function)
UTY-TWRXZ2	Communication Kit - Wall Mount
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/ Wi-Fi (Black)
BM102WA	Cielo - Breez Max IR Controller w/ Wi-Fi (White)
UTY-VMSX	Modbus Converter
UTY-VTGX ¹	Network Converter - Convert H-Series Comm. Protocol to V/J-Series Comm.
FJ-AC-485-1	Intesis - BACnet MSTP & Modbus RTU Gateway
UTY-TERX ¹	External Switch Controller
UTY-TTRXZ1 ^{1,2}	24V Thermostat Interface
TTRXZ1-KIT ^{1,2}	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
UTY-DSGYZ2 ³	Airstage Edge Controller
UTZ-DUHGG2A	Hail Guard
UTZ-DUSHG2A	Snow Hood
UTZ-DUWBG2A	Wind Baffle

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

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

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

Specifications



		09KMAS1		12KMAS1	
Performance					
Rated Cooling	BTU/h	9,000		12,000	
Min.-Max. Cooling	BTU/h	3,100—12,100		3,100—13,800	
Rated Heating	BTU/h	12,000		14,000	
Min.-Max. Heating	BTU/h	2,800—14,500		2,800—15,000	
SEER2	BTU/hW	30.0		27.5	
HSPF 2 (IV) / HSPF 2 (V)	BTU/hW	12.6 / 9.9		11.2 / 8.5	
EER2	BTU/hW	16.4		13.5	
COP2	kW/kW	4.64		4.32	
Energy Star Rating*		ES, ESCC, ESME		ES, ESCC, ESME	
Clg. Operating Range	°F (°C)	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)	
Moisture Removal	Pt./h (l/h)	2.9 (1.38)		3.7 (1.73)	
Fan (Cooling Mode)					
Air Circulation: Hi	CFM (m3/h)	400 (680)		400 (680)	
Medium	CFM (m3/h)	324 (550)		324 (550)	
Low	CFM (m3/h)	253 (430)		253 (430)	
Quiet	CFM (m3/h)	153 (260)		153 (260)	
Fan Speed Stages		4+Auto		4+Auto	
Sound Levels (Clg/Htg)					
Indoor: Hi	dB(A)	40/42		40/42	
Medium	dB(A)	35/38		35/38	
Low	dB(A)	30/33		30/33	
Quiet	dB(A)	19/21		19/21	
Outdoor	dB(A)	44/47		48/50	
Electrical					
Voltage/Frequency/Phase		208-230/60/1		208-230/60/1	
Circuit Breaker	Amps	15		15	
Current Rated/Max: Clg.	Amps	2.9/6.4		4.3/6.9	
Current Rated/Max: Htg.	Amps	3.8/9.4		4.6/9.4	
Power Use Rated/Max: Clg.	kW	0.55/0.94		0.89/1.24	
Power Use Rated/Max: Htg.	kW	0.76/1.61		0.95/1.76	
Size & Weight					
Net Weight	lbs. (kg)	22 (10)	71 (32)	22 (10)	71 (32)
Dimensions: Height	Inch	10-5/8	21-5/16	10-5/8	21-5/16
	mm	270	542	270	542
Width	Inch	32-13/16	31-7/16	32-13/16	31-7/16
	mm	834	799	834	799
Depth	Inch	8-3/4	11-7/16	8-3/4	11-7/16
	mm	222	290	222	290
Refrigerant		R-32		R-32	
Additional Data					
Air Direction: Horiz.		Manual		Manual	
Vertical		Automatic		Automatic	
Air Filter Type		Washable		Washable	
Min. Lineset Length	Ft (m)	10 (3)		10 (3)	
Max. Lineset Length	Ft (m)	66 (20) (pre-charge: 49')		66 (20) (pre-charge: 49')	
Max. Vertical Diff.	Ft (m)	49 (15)		49 (15)	
Lineset Size	Inch	Gas 3/8	Liq. 1/4	Gas 3/8	Liq. 1/4
		Indoor ASUH09KMAS	Outdoor AOUH09KMAS1	Indoor ASUH12KMAS	Outdoor AOUH12KMAS1



Part #FG8150C 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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