

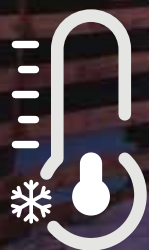
FUJITSU



Master

H-Series Single-Zone Wall Mount Systems Orion XLTH Series

09KZAH1, 12KZAH1, 15KZAH1,
18KZAH1 & 24KZAH1



Heating down to
-26°C (-15°F) and
NO LOCKOUT!



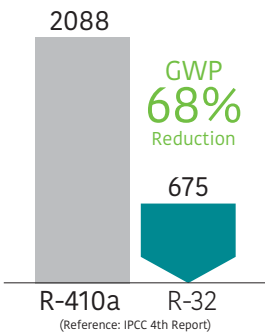
XLTH



AIRSTAGE Orion XLTH

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 Orion XLTH

Experience the difference in comfort and efficiency with our feature-packed Orion XLTH Series. The innovative wall-mounted design and advanced fan technology ensure superior performance and whisper-quiet operation. The compact outdoor unit and extended line set lengths provide installation flexibility, making it easier than ever to bring exceptional comfort 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 23dB
- **Multiple fan speeds:** Auto, High, Med-High, Med, Med-Low, Low, and Quiet
- **Backlit Wireless Remote Controller** provided with the indoor unit



Special Operation modes available:

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

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
- **Base pan heater** designed for the **extreme cold** climate region
- **Compact** outdoor unit with **extended** line set length
- **Up to 53% higher** rated heating capacity than nominal capacity at -5°F
- **Low-noise** outdoor unit operation mode

Optional Accessories

UTY-RVRU*	KAGAMI - Touch Panel Wired Controller
UTY-RNRUZ5*	Touch Panel Wired Remote Controller
UTY-RHRV*	Simple Wired Remote (Without Mode Function) - Hospitality
UTY-RSRV*	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/ 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-XWZXZ5	External Connect Kit
UTY-XWZX	External Wire Kit (To connect External Devices to PCB)
UTY-DSGYZ2*~	Airstage Edge Controller
UTZ-DUHGG*A	Hail Guard (Selected Models only)
UTZ-DUSHG*A	Snow Hood (Selected Models only)
UTZ-DUWBG*A	Wind Baffle (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

		09KZAH1	12KZAH1	15KZAH1	18KZAH1	24KZAH1
Performance		XLTH	XLTH	XLTH	XLTH	XLTH
Rated Cooling	BTU/h	9,000	12,000	14,500	18,000	22,000
Min.-Max. Cooling	BTU/h	3,100—12,500	3,100—16,000	3,100—19,000	7,000—26,200	9,100—28,900
Rated Heating	BTU/h	12,000	16,000	18,000	21,600	25,200
Min.-Max. Heating	BTU/h	3,500—23,000	3,500—23,600	4,150—25,000	8,000—31,800	8,200—36,800
SEER2	BTU/hW	33.1	30.5	27.5	25.5	24.0
HSPF 2 (IV) / HSPF 2 (V)	BTU/hW	13.3 / 10.7	12.7 / 10.1	12.7 / 10.1	12.5 / 10.1	11.9 / 9.4
EER2	BTU/hW	18.8	16.0	14.8	14.0	12.5
COP2	kW/kW	5.34	4.64	4.60	4.36	3.96
Energy Star Rating*		ES, ESCC, ESME	ES, ESCC, ESME	ES, ESCC, ESME	ES, ESCC, ESME	ES, ESCC, ESME
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)	-15 to 75 (-26 to 24)	-15 to 75 (-26 to 24)	-15 to 75 (-26 to 24)	-15 to 75 (-26 to 24)	-15 to 75 (-26 to 24)
Moisture Removal	Pt./h (l/h)	2.3 (1.1)	4.0 (1.9)	5.3 (2.5)	7.6 (3.6)	8.7 (4.1)
Max Htg % of Nominal Capacity at +5°F (-15°C)^		171%	138%	140%	141%	108%
Max Htg % of Nominal Capacity at -5°F (-21°C)^		154%	124%	126%	127%	95%
Max Htg % of Nominal Capacity at -15°F (-26°C)^		127%	102%	109%	106%	80%
Fan (Cooling Mode)						
Air Circulation: Hi	CFM (m3/h)	518 (880)	518 (880)	553 (940)	624 (1,060)	624 (1,060)
Med-High		453 (770)	453 (770)	494 (840)	571 (970)	571 (970)
Medium	CFM (m3/h)	388 (660)	388 (660)	441 (750)	518 (880)	518 (880)
Med-Low		347 (590)	347 (590)	371 (630)	471 (800)	471 (800)
Low	CFM (m3/h)	300 (510)	300 (510)	300 (510)	430 (730)	430 (730)
Quiet	CFM (m3/h)	200 (340)	200 (340)	230 (390)	371 (630)	371 (630)
Fan Speed Stages		6+Auto	6+Auto	6+Auto	6+Auto	6+Auto
Sound Levels (Clg/Htg)						
Indoor: Hi	dB(A)	43/44	43/44	45/46	44/46	44/47
Med-High		41/41	41/41	43/44	42/42	42/43
Medium	dB(A)	37/37	37/37	40/41	39/38	39/38
Med-Low		34/34	34/34	36/35	36/36	36/36
Low	dB(A)	31/31	31/31	31/31	33/34	33/34
Quiet	dB(A)	23/23	23/23	26/26	30/30	30/30
Outdoor	dB(A)	46/47	47/47	49/50	47/50	51/54
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	20	20	20
Current Rated/Max: Clg.	Amps	2.5/9.4	3.8/9.4	4.8/9.9	5.9/15.4	7.8/15.4
Current Rated/Max: Htg.	Amps	3.3/11.9	4.7/11.9	5.2/14.4	6.5/15.9	8.3/15.9
Power Use Rated/Max: Clg.	kW	0.48/0.92	0.75/1.22	0.98/1.70	1.29/2.45	1.76/3.05
Power Use Rated/Max: Htg.	kW	0.66/2.19	1.01/2.25	1.15/2.25	1.45/2.90	1.86/3.55
Size & Weight						
Net Weight	lbs. (kg)	28 (12.5) 86 (39)	28 (12.5) 86 (39)	28 (12.5) 86 (39)	36 (16.5) 117 (53)	36 (16.5) 117 (53)
Dimensions: Height	Inch	11 24 7/8	11 24 7/8	11 24 7/8	13 3/8 31	13 3/8 31
	mm	280 632	280 632	280 632	340 788	340 788
Width	Inch	38 9/16 31 7/16	38 9/16 31 7/16	38 9/16 31 7/16	45 1/4 37	45 1/4 37
	mm	980 799	980 799	980 799	1150 940	1150 940
Depth	Inch	9 7/16 11 7/16	9 7/16 11 7/16	9 7/16 11 7/16	11 12 5/8	11 12 5/8
	mm	240 290	240 290	240 290	280 320	280 320
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)	16 (5)	16 (5)
Max. Lineset Length	Ft (m)	82 (25) (pre-charge: 49')	82 (25) (pre-charge: 49')	98 (30) (pre-charge: 49')	164 (50) (pre-charge: 66')	164 (50) (pre-charge: 66')
Max. Vertical Diff.	Ft (m)	66 (20)	66 (20)	82 (25)	98 (30)	98 (30)
Lineset Size	Inch	Gas 3/8 Liq. 1/4	Gas 3/8 Liq. 1/4	Gas 1/2 Liq. 1/4	Gas 5/8 Liq. 3/8	Gas 5/8 Liq. 3/8
		Indoor ASUH09KZAS Outdoor AOUE09KZAH1	Indoor ASUH12KZAS Outdoor AOUE12KZAH1	Indoor ASUH15KZAS Outdoor AOUE15KZAH1	Indoor ASUH18KZAS Outdoor AOUE18KZAH1	Indoor ASUH24KZAS Outdoor AOUE24KZAH1

^Based on nominal capacity (e.g. 09KZAH1 based on 9,000 BTU/h) @70°F indoor setpoint. Refer to Design & Technical Manual for more heating capacity data.

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



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Actual product colour may be different from the colours shown here.
Specifications and design are subject to change without notice.