

# Orion H-Series Single-Zone Wall Mount Systems

09KZAH1, 12KZAH1, 15KZAH1



Experience the difference in comfort and efficiency with our feature-packed Orion H-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.

### Ductless Technology



Orion H-Series 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 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

H-Series systems offer excellent cooling to keep you comfortable year-round.



### Quiet & Flexible

With a range of sizes and styles, H-Series 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.



### Whisper-Quiet Operation

With sound levels as low as 23dB



### Built-In Wi-Fi Connectivity

with remote monitoring via the AIRSTAGE Mobile App



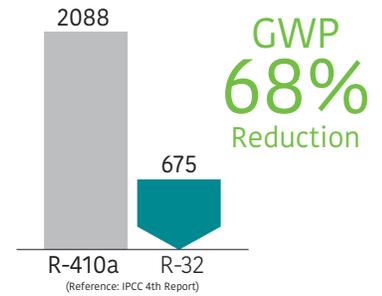
AIRSTAGE  
*Orion H-Series*

**OLDACH**  
REFRIGERATION, AIR CONDITIONING & VENTILATION SUPPLIER

		09KZAH1		12KZAH1		15KZAH1	
<b>Performance</b>							
Rated Cooling	BTU/h	9,000		12,000		14,500	
Min.-Max. Cooling	BTU/h	3,100—12,500		3,100—16,000		3,100—19,000	
Rated Heating	BTU/h	12,000		16,000		18,000	
Min.-Max. Heating	BTU/h	3,500—23,000		3,500—23,600		4,150—25,000	
SEER2	BTU/hW	33.1		30.5		27.5	
HSPF2	BTU/hW	13.3		12.7		12.7	
EER2	BTU/hW	18.8		16.0		14.8	
COP2	kW/kW	5.34		4.64		4.60	
Energy Star Rating*		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)	
Htg. Operating Range	°F (°C)	-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)	
Max Htg % of Nominal Capacity at +5°F (-15°C)^		171%		138%		140%	
Max Htg % of Nominal Capacity at -5°F (-21°C)^		154%		124%		126%	
Max Htg % of Nominal Capacity at -15°F (-26°C)^		127%		102%		109%	
<b>Fan (Cooling Mode)</b>							
Air Circulation: Hi	CFM (m3/h)	518 (880)		518 (880)		553 (940)	
Med-High		453 (770)		453 (770)		494 (840)	
Medium	CFM (m3/h)	388 (660)		388 (660)		441 (750)	
Med-Low		347 (590)		347 (590)		371 (630)	
Low	CFM (m3/h)	300 (510)		300 (510)		300 (510)	
Quiet	CFM (m3/h)	200 (340)		200 (340)		230 (390)	
Fan Speed Stages		6+Auto		6+Auto		6+Auto	
<b>Sound Levels (Clg/Htg)</b>							
Indoor: Hi	dB(A)	43/44		43/44		45/46	
Med-High		41/41		41/41		43/44	
Medium	dB(A)	37/37		37/37		40/41	
Med-Low		34/34		34/34		36/35	
Low	dB(A)	31/31		31/31		31/31	
Quiet	dB(A)	23/23		23/23		26/26	
Outdoor	dB(A)	46/47		47/47		49/50	
<b>Electrical</b>							
Voltage/Frequency/Phase		208-230/60/1		208-230/60/1		208-230/60/1	
Circuit Breaker	Amps	15		15		20	
Current Rated/Max: Clg.	Amps	2.5/9.4		3.8/9.4		4.8/9.9	
Current Rated/Max: Htg.	Amps	3.3/11.9		4.7/11.9		5.2/14.4	
Power Use Rated/Max: Clg.	kW	0.48/0.92		0.75/1.22		0.98/1.70	
Power Use Rated/Max: Htg.	kW	0.66/2.19		1.01/2.25		1.15/2.25	
<b>Size &amp; Weight</b>							
Net Weight	lbs. (kg)	28 (12.5)	86 (39)	28 (12.5)	86 (39)	28 (12.5)	86 (39)
Dimensions: Height	Inch	11	24 7/8	11	24 7/8	11	24 7/8
	mm	280	632	280	632	280	632
Width	Inch	38 9/16	31 7/16	38 9/16	31 7/16	38 9/16	31 7/16
	mm	980	799	980	799	980	799
Depth	Inch	9 7/16	11 7/16	9 7/16	11 7/16	9 7/16	11 7/16
	mm	240	290	240	290	240	290
Refrigerant		R-32		R-32		R-32	
<b>Additional Data</b>							
Air Direction: Horiz.		Manual		Manual		Manual	
Vertical		Automatic		Automatic		Automatic	
Air Filter Type		Washable		Washable		Washable	
Min. Lineset Length	Ft (m)	10 (3)		10 (3)		10 (3)	
Max. Lineset Length	Ft (m)	82 (25) (pre-charge: 49')		82 (25) (pre-charge: 49')		98 (30) (pre-charge: 49')	
Max. Vertical Diff.	Ft (m)	66 (20)		66 (20)		82 (25)	
Lineset Size	Inch	Gas 3/8	Liq. 1/4	Gas 3/8	Liq. 1/4	Gas 1/2	Liq. 1/4
		Indoor ASUH09KZAS	Outdoor AOJH09KZAH1	Indoor ASUH12KZAS	Outdoor AOJH12KZAH1	Indoor ASUH15KZAS	Outdoor AOJH15KZAH1

^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.

## Additional Highlights



R-32 models require less refrigerant while delivering the superior performance and quality you have come to know also lowering the GWP by 68%.



**Indoor Unit With ProCore™**  
High Corrosion Resistant Copper coils for long-lasting protection against corrosion.

**Built-In External Input and Output**  
For interlocking systems with 3rd party devices (ex: fire alarm, door switch, humidifier, aux. heat & more).

**Compact Outdoor Unit**  
With extended line set length.

**Low-Noise Outdoor Unit**  
In operational mode.

**Whisper-Quiet Indoor Unit**  
Produces 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.

**Compact Wall-Mounted Indoor Unit**  
Delivering superior comfort and energy-efficient performance.



## 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.