



AIRSTAGE

Variable Refrigerant Flow Systems

AIRSTAGE VRF

Heat Pump/Heat Recovery Systems

AIRSTAGE J-7S-Series

AIRSTAGE VU-7-Series



GENERAL HVAC Solutions America, Inc

AIRSTAGE J-7S

Powerful and efficient heating and cooling, 208-230/1/60

Operates in heating mode across ambient temperatures from -15°F to 70°F and in cooling mode from 23°F to 122°F, ensuring reliable performance and flexible application even in extreme climates.

Next-Generation R-32 Refrigerant Technology

The J-7S system is engineered with next-generation R-32 refrigerant, delivering an optimal balance of performance, efficiency, and environmental responsibility.

- EPA-approved for use in modern HVAC applications
- Low Global Warming Potential (GWP), approximately 30% of R-410A GWP
- Requires up to 10% less refrigerant charge than R-410A
- Higher efficiency than R-410A, reducing operating costs and indirect CO₂-equivalent environmental impact
- Single-component A2L refrigerant, simplifying handling and recycling compared to blended A2L refrigerants
- Widely available across North America

Flexible system design

- Supports up to 12 indoor units on a 4 Ton system.
- Generous system connection ratio range of 50 to 130% on 3 and 4 Ton systems — enables flexible system layout and also phased installations.
- Up to 0.12 in. W.G. external static pressure capability allows for flexible ducted installations.

Advanced Engineering for Installation and Reliability

- Reliable, high-efficiency inverter compressor ensure long-lasting performance.
- Reduced clearance requirements for greater installation flexibility
- Refrigerant-cooled electronics improve performance and ensure reliable operation regardless of ambient conditions.

Certified Efficiency Ratings:

- EER2 up to 14.15
- SEER2 up to 19.1
- HSPF2 up to 10.25



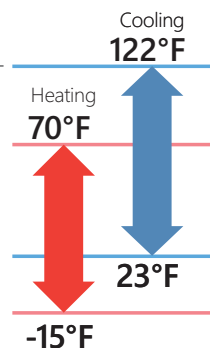
AIRSTAGE J-7S Series Specifications

Model size		Ton	2	3	4
Model Number			AOUK024SSAN7	AOUK036SSAN7	AOUK048SSAN7
Performance	Nominal capacity, Cooling	BTU/h	24,000	36,000	48,000
	Nominal capacity, Heating	BTU/h	28,000	42,000	54,000
	Operating temperature range, Cooling	°F (°C)	23 to 122 (-5 to 50)		
	Operating temperature range, Heating	°F (°C)	-15 to 70 (-26 to 21)		
	Sound Level, Cooling / Heating	dB(A)	52 / 54	55 / 57	57 / 60
Efficiency	EER2		14.15	12.45	10.70
	SEER2		19.10	18.90	17.80
	HSPF2		10.25	10.10	9.60
	COP2		4.15	3.85	3.47
Condenser Fan	Max Air Flow	CFM (m3/h)	2,119 (3,600)	2,496 (4,240)	2,619 (4,450)
	Motor Output	W	120		
	ESP Max	in. WG (Pa)	0.12 (30)		
Compressor	Type / Quantity		Inv. Rotary / 1		
Refrigerant Pipe Connections	Liquid Pipe	in.	3/8		
	Gas Pipe	in.	5/8		
Refrigerant Pipe Layout	Max height diff. OU to IU	ft (m)	98 (30)		
	Max height diff. IU to IU	ft (m)	49 (15)		
	Max total system pipe length	ft (m)	197 (60)	393 (120)	
Refrigerant	Type		R-32		
	Factory Charge	lbs (kg)	5.95 (2.7)		
Indoor Units Configuration	Connectible Indoor Unit Ratio	%	75 to 130	50 to 130	
	Maximum Number of Indoor Units	Qty	5	9	12
Electrical	Electrical Power Requirements		208-230 / 1-Phase / 60Hz		
	MCA	A	18.3	28.2	35.6
	MOP	A	20	30	40
Unit Size and Weight	Height	in. (mm)	39-5/16 (998)		
	Width	in. (mm)	37 (940)		
	Depth	in. (mm)	12-5/8 (320)		
	Weight	lbs. (kg)	168 (76)		

Extended operating range

Rated to provide heating down to -15°F (-26°C), though the system can continue providing heat below that temperature without a hard lockout limit.

Increases system application and design flexibility.



R-32

Fujitsu AIRSTAGE VRF indoor units combine compact designs, quiet performance, flexible installation options, and advanced comfort control to meet the demands of modern residential and commercial spaces.

AIRSTAGE J-7S Indoor Units (KSA1)

Indoor Unit	Capacity BTU/h	4,000	7,000	9,000	12,000	14,000	18,000	24,000	30,000	36,000	48,000
Wall Mounted 	ASUA***KSA1	●	●	●	●	●					
Compact Cassette 	AUUA***KSA1	●	●	●	●	●	●				
Slim Ducted 	ARUL***KSA1	●	●	●	●	●	●				
Multi-Position AHU 	ARUX***KSA1				●		●	●	●	●	●

AIRSTAGE J-7S and VU-7 Indoor Units (KSA2)

Indoor Unit	Capacity BTU/h	4,000	7,000	9,000	12,000	14,000	18,000	24,000	30,000	36,000	48,000	60,000	72,000	96,000
Wall Mounted 	ASUA***KSA2 ASUB***KSA2	●	●	●	●	●	●	●	●	●				
Compact Cassette 	AUUA***KSA2	●	●	●	●	●	●							
Slim Ducted 	ARUL***KSA2	●	●	●	●	●	●	Note: Slim Ducted units are Horizontal installation only, Vertical installation version available Q4 2026						
Multi-Position AHU 	ARUX***KSA2				●		●	●	●	●	●			
Circular Flow Cassette 	AUUB***KSA2				●	●	●	●	●	●	●			
Medium Static Ducted 	ARUM***KSA2				●	●	●	●	●	●				
High Static Ducted 	ARUE***KSA2									●	●	●	●	●
Ceiling Mounted 	ABUA***KSA2				●	●	●	●	●	●	●			
Floor Mounted (Available Q4 2026) 	AGUA***KSA2	●	●	●	●	●								

Refrigerant Safety

KSA1 Slim Ducted and Multi-Position AHU units have factory installed Leak Detection Sensors.

Gas Sensor Alarm Kits and Refrigerant Shut-off Valve Kits are available as options.

All KSA2 generation units have Leak Detection Sensors factory installed.

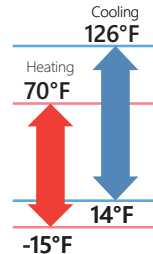
AIRSTAGE VU-7

Heat Pump or Heat Recovery | 208–230/3/60 or 460/3/60 Systems

Delivers powerful, efficient heating and cooling performance with exceptional flexibility for demanding applications. Provides reliable heating operation down to -15°F (-26°C) ambient and cooling operation up to 126°F (52°C), ensuring comfort even in extreme climates.

Extended operating range

- Rated for heating down to -15°F (-26°C) though the system can continue providing heat below that temperature without a hard lockout limit.
- Increases system application and design flexibility.



Next-Generation R-32 Refrigerant Technology

- The VU-7 system is engineered with advanced R-32 refrigerant, delivering an optimal balance of performance, efficiency, and environmental responsibility.
- EPA-approved for use in modern HVAC applications
- Low Global Warming Potential (GWP), approximately 30% of R-410A
- Requires up to 10% less refrigerant charge than R-410A
- Higher efficiency than R-410A, reducing operating costs and indirect CO₂ emissions
- Single-component A2L refrigerant for simplified handling and recycling compared to blended alternatives
- Widely available across North America

High-Capacity, Flexible System Design

- Supports up to 26 indoor units on 10-ton systems
- Up to 52 indoor units on 20-ton systems
- Up to 64 indoor units on 24-ton and larger systems
- Connection ratio range of 50–150% (25–150% for 6-, 8-, and 10-ton HR systems) enables flexible design and phased installations

Advanced Engineering & Intelligent Performance

- High-efficiency inverter scroll compressors for long-lasting reliability
- Smart refrigerant control optimizes compressor load distribution for peak efficiency
- Refrigerant-cooled electronics enhance reliability under all ambient conditions
- Up to 0.44 in. W.G. external static pressure capability for flexible outdoor unit ducted installations
- Unified Heat Pump and Heat Recovery platform under a single model number simplifies ordering and inventory management

Certified Efficiency Ratings

- IEER up to 25.25
- EER up to 12.33
- COP (High) up to 3.82
- COP (Low) up to 2.48
- SCHE up to 29.50



AIRSTAGE VU-7-Series Specifications

Model size		Ton	6	8	10	12	14		
Model Number	* S=208-230V, R=460V		AO*U072VSAN7	AO*U096VSAN7	AO*U120VSAN7	AO*U144VSAN7	AO*U168VSAN7		
Unit Combination	* S=208-230V, R=460V		- -	- -	- -	- -	- -		
Performance	Nominal capacity, Cooling	BTU/h	72,000	96,000	120,000	144,000	168,000		
	Nominal capacity, Heating	BTU/h	81,000	108,000	135,000	162,000	188,000		
	Operating temperature range, Cooling	°F (°C)	14 to 126 (-10 to 52)						
	Operating temperature range, Heating	°F (°C)	-15 to 70 (-26 to 21)						
	Sound Level, Cooling / Heating	dB(A)	57 / 58	59 / 59	61 / 62	59 / 61	61 / 64		
Efficiency	EER		12.3	11.9	11.8	12	11.65		
	COP, High	W/W	3.8	3.66	3.58	3.84	3.59		
	COP, Low	W/W	2.4	2.36	2.49	2.48	2.37		
Condenser Fan	Max Air Flow	CFM (m3/h)	6,533 (11,100)		7,652 (13,000)	13,067 (22,000)			
	Motor Output (460V / 208-230V)	kW	0.75 / 0.74			0.75x2 / 0.74x2			
	ESP Max	in. WG (Pa)	0.32 (80)			0.44 (110)			
Compressor	Type / Quantity		Inv. Scroll / 1			Inv. Scroll / 2			
Refrigerant	Liquid Pipe	in.	3/8		1/2				
Pipe Connections	Discharge Gas Pipe	in.	5/8		3/4				
	Suction Gas Pipe	in.	3/4		7/8				
Refrigerant Pipe Length/Layout	Max height diff. OU to IU, OU Higher/OU Lower	ft (m)	164 / 131 (50 / 40)						
	Max height diff. IU to IU, HP / HR	ft (m)	164 / 50 (50 / 15)						
	Max total system pipe length	ft (m)	3,280 (1000)						
Refrigerant	Type		R-32						
	Factory Charge	lbs. (kg)	25.79 (11.7)		26.01 (11.8)				
Indoor Units Configuration	Connectible Indoor Unit Ratio	%	50 to 150						
	Maximum Number of Indoor Units	Qty	16	21	26	32	37		
Electrical	MCA (460V / 208-230V)	A	18.2 / 31	21.9 / 40.8	24.9 / 45.6	31 / 50.8	36.4 / 62.5		
	MOP (460V / 208-230V)	A	20 / 40	20 / 50	25 / 60	30 / 60	40 / 70		
Unit Size and Weight	Height	in. (mm)	66-9/16 (1690)						
	Width	in. (mm)	36-5/8 (930)		48-13/16 (1240)	63 (1600)			
	Depth	in. (mm)	30-1/8 (765)						
	Weight (460V / 208-230V)	lbs. (kg)	580 / 567 (263 / 257)		633 / 617 (287 / 280)	935 / 928 (424 / 421)			

Sensors

UTY-SPWXPressure Sensor Kit
 UTY-SGZUZ-Series.....Gas Sensor Kit
 UTY-XSZXZ-Series..... Remote Temperature Sensor

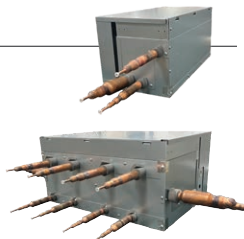
Shutoff Valve Kits

UTP-GU027A.....Shutoff Valve Kit
 UTP-GU060A.....Shutoff Valve Kit
 UTP-GU090A.....Shutoff Valve Kit

	16	18	20	22	24	26	28	30	32
	AO*U192VSAN7	AO*U216VSAG7	AO*U240VSAG7	AO*U264VSAG7	AO*U288VSAG7	AO*U312VSAG7	AO*U336VSAG7	AO*U360VSAG7	AO*U384VSAG7
	- -	AO*U096VSAN7 AO*U120VSAN7	AO*U120VSAN7 AO*U120VSAN7	AO*U120VSAN7 AO*U144VSAN7	AO*U144VSAN7 AO*U144VSAN7	AO*U144VSAN7 AO*U168VSAN7	AO*U168VSAN7 AO*U168VSAN7	AO*U168VSAN7 AO*U192VSAN7	AO*U192VSAN7 AO*U192VSAN7
	192,000	216,000	240,000	264,000	288,000	312,000	336,000	360,000	384,000
	216,000	243,000	270,000	297,000	324,000	351,000	378,000	405,000	432,000
	14 to 126 (-10 to 52)								
	-15 to 70 (-26 to 21)								
	65 / 67	63 / 64	64 / 65	63 / 65	62 / 64	63 / 66	64 / 67	66 / 69	68 / 70
	10.9	-	-	-	-	-	-		--
	3.44	-	-	-	-	-	-		--
	2.24	-	-	-	-	-	-		--
	13,067 (22,000)	7,652 + 6,533 (13,000/11,000)	7,652 + 7,652 (13,000+13,000)	13,067 + 7,652 (22,000+13,000)	13,067+13,067 (22,000+22,000)				
	0.75x2 / 0.74x2			0.75x3 / 0.74x3	0.75x4 / 0.74x4				
	0.44 (110)	0.32 (80)		0.44 (110)					
	Inv. Scroll / 2			Inv. Scroll / 3	Inv. Scroll / 4				
	1/2		5/8						
	7/8				1-1/8				
	1-1/8				1-3/8				
	164 / 131 (50 / 40)								
	164 / 50 (50 / 15)								
	3,280 (1000)								
	R-32								
	26.01 (11.8)	26.01 + 25.79 (11.8+11.7)	26.01+26.01 (11.8+11.8)						
	50 to 150								
	42	47	52	58	64				
	43.2 / 72.1	46.8 / 86.4	49.8 / 91.2	55.9 / 96.4	62 / 101.6	67.4 / 113.3	72.8 / 125	79.6 / 134.6	86.4 / 144.2
	50 / 80	55 / 110	60 / 120	65 / 120	70 / 120	75 / 130	80 / 140	90 / 150	100 / 160
	66-9/16 (1690)								
	63 (1600)	48-13/16+36-5/8 (1219+914)	48-13/16+ 48-13/16 (1240+1240)	63+48-13/16 (1600+1240)	63+63 (1600+1600)				
	30-1/8 (765)								
	935 / 928 (424 / 421)	633+580 / 617+567 (280+263 / 279+257)	633+633 / 617+617 (287+287 / 279+279)	935+633/928+617 (424+280/421+280)	935+935/928+928 (424+424/421+421)				

Refrigerant Branch Unit (RBU)

- Small and slim design saves space
- Condensate drain pipe not required
- Flexibility to mount control box from either side to meet installation conditions



- UTP-RU01GH Single-Port RB Unit up to 27,000 BTU/h
- UTP-RU01HH Single-Port RB Unit up to 60,000 BTU/h
- UTP-RU01JH..... Single-Port RB Unit up to 96,000 BTU/h
- UTP-RU04HH 4-Port RB Unit up to 191,000 BTU/h total

AIRSTAGE VRF

Controls

Model name	Zone Controllers					Central Controllers				Wi-Fi® Interface	
	UTY-RVRU-Series	UTY-RNRUZ-Series	UTY-RHRYZ-Series	UTY-RSRYZ-Series	UTY-LNHU	UTY-DSGXZ-Series	UTY-DCGYZ-Series	UTY-APGXZ1	UTY-ALGXZ1	UTY-TFSXJ4	FJ-AC-WIFI-1
											
	Kagami Remote Control	Touch Remote Control	Simple Remote Control	Simple Remote Control	Wireless Remote Control	AIRSTAGE Edge Controller	Central Remote Controller	System Controller	System Controller Lite	UART (AIRSTAGE Mobile Control)	UART (Intesis AC Cloud Control)

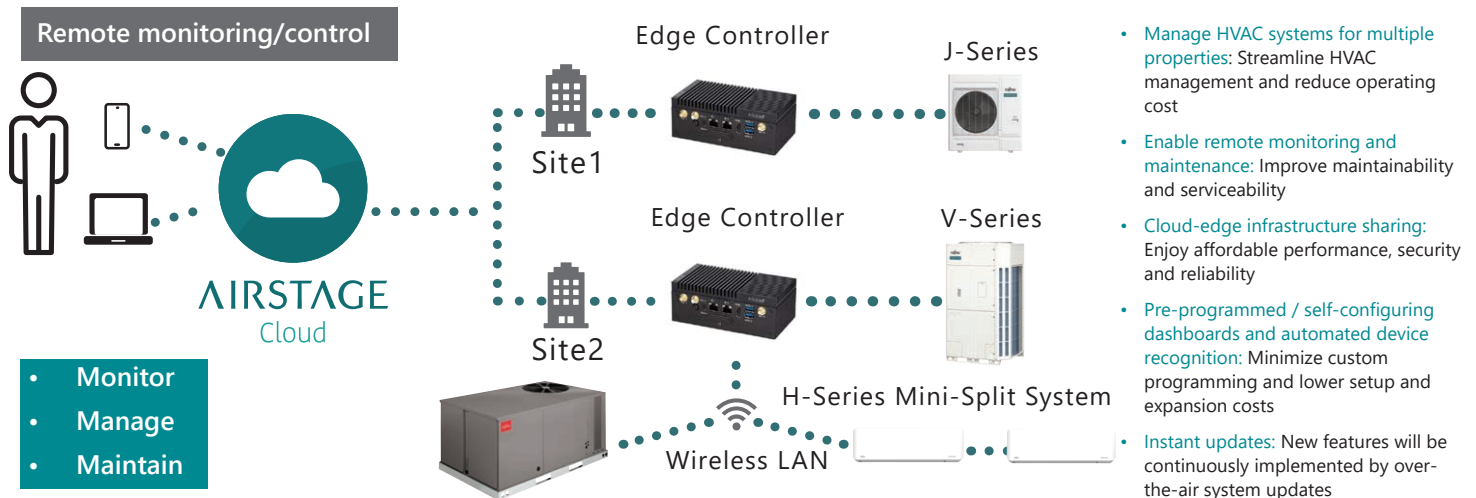
AIRSTAGE Cloud

Better solutions for HVAC management and maintenance

The highly versatile AIRSTAGE Cloud platform enables effective and efficient management and maintenance of heating, ventilation, and air conditioning systems as an ongoing service. It can be accessed through a web browser.

System Overview

AIRSTAGE Cloud delivers exceptional value in operation and life-cycle management of HVAC systems.



airstagecloud.com



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