elios COMFORT

AHU SYSTEMS

WALL HUNG
High-Static Ducted Inverter
Heat Pump Solution

PANCAKE
Low-Profile, High-Static
Ducted Comfort



Wall hung UP TO **18.6** SEER2

Wall hung UP TO **8.1** HSPF2-5

INVERTER

Pancake UP TO **16.8** SEER2

Pancake UP TO **7.1** HSPF2-5

R454B

Built for Real-World Duct Systems in compact enclosure spaces

Engineered for compact mechanical closets in condo and hotel applications, Elios Wall-Hung AHU serves as a direct replacement for traditional ducted air handlers with optional front-return airflow configuration



Application fit

- Mechanical rooms & utility closets
- Projects requiring higher static capability

High performance where space is limited

The Elios Pancake AHU delivers premium high-static, inverter-driven performance in an ultra-low-profile horizontal design ideal for ceiling and space-restricted installations



Application fit

- Condos & multi-residential
- Projects requiring horizontal installation high static capability



Worry-free Reliability

Elios units are covered by a 6-year limited warranty on parts and compressor. An optional 10-year parts and compressor coverage is available for additional peace of mind.



Whether you choose the new touchscreen thermostat or compatible controller, you can trust your Elios contractor to help you choose the model best suited to your needs.



Upgrade to touchscreen thermostat – Model ST1S42RW1 (Wi-Fi enabled)

Comes with compatible controller – Model KJRSAALW1 (Wi-Fi enabled)

Key system highlights

Wall-hung - Return air configurable for bottom or front return standard
Adding installation flexibility.

Pancake - Ultra-Low Profile Indoor Unit (~11 in. height)
Perfect for drop ceilings, condos, and tight mechanical spaces.

Variable-Speed ECM Blower
Maintains airflow across complex duct layouts.

Electronic Expansion Valve (EEV)
Accurate refrigerant control and system stability.

Wired Control Required
Compatible controls: KJRSAALN1, KJRSAALW1, or ST1S42RW1 (sold separately).

Up to 0.8 in. w.c. External Static Pressure (ESP)
Rare combination of low height and high static capability.

Dual-Voltage Indoor Unit (115V or 208/230V)
Ideal for retrofit and replacement applications.*
**Alternate MCA applies at 115V.*

All-Aluminum Indoor Coil
Built for longevity and corrosion resistance.

Electric Heat Ready
Field-installed electric heater kits available from 3–10 kW.

Technical specifications - Wall hung

Indoor Unit			GGHLA18R4AS*	GGHLA24R4AS*	GGHLA30R4AS*	GGHLA36R4AS*
Outdoor Unit			ESHEA18R2AN*	ESHEA24R2AN*	ESHEA30R2AN*	ESHEA36R2AN*
Nominal Capacity		Btu/h	18000	24000	30000	36000
Cooling	Rated @ 95°F (35°C)	Btu/h	18000	24000	30000	36000
	Min. @ 95°F (35°C)		5900	9000	10100	11800
	Max. @ 95°F (35°C)		20600	27600	34400	39000
	SEER2		18.5	17.4	18.6	16.7
	EER2		11.5	10.8	11	10.2
Heating	Rated @ 47°F (8.3°C)	Btu/h	18000	25000	31000	37000
	Min. @ 47°F (8.3°C)		3900	7000	6500	6900
	Max. @ 47°F (8.3°C)		19600	32200	31900	41000
	Rated COP @ 47°F (8.3°C)		3.55	3.8	3.5	3.3
	HSPF2 (IV)		9.4	10.4	8.7	9.3
	HSPF2 (V)		7.2	8.1	6.7	7.5
Outdoor Temperature Operating Range	Cooling	°C	-25~50	-25~50	-25~50	-25~50
		°F	-13~122	-13~122	-13~122	-13~122
	Heating	°C	-25~24	-25~24	-25~24	-25~24
		°F	-13~75	-13~75	-13~75	-13~75
Power Supply		V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
MOCP (Maximum breaker)		A	20	20	25	30
MCA		A	16	19	23	27
MOCP (Indoor Unit; powered separately)		A	15	15	15	15
MCA (Indoor Unit; powered separately)		A	2.5	2.5	4	4.5
Alternate MCA @ 115V to Indoor Unit		A	4	4	6	6.5
Indoor Unit Dimensions	Net (WxDxH)	in.	20.28x15.71x36.54	20.28x15.71x36.54	22.01x19.02x40.04	22.01x19.02x40.04
		mm	515x399x928	515x399x928	559x483x1017	559x483x1017
Indoor Unit Weight	Net	lb	111.33	91.49	110.23	109.57
		kg	50.5	41.5	50	49.7
Outdoor Unit Dimensions	Net (WxDxH)	in.	31.69x12.99x21.81	35.04x13.46x26.5	37.24x16.14x31.89	37.24x16.14x31.89
		mm	805x330x554	890x342x673	946x410x810	946x410x810
Outdoor Unit Weight	Net	lb	77.16	102	141.76	153.22
		kg	35	46.4	64.3	69.5
Indoor Unit Fan	Airflow (Turbo | High | Med. | Low | Silent)	CFM	618 | 577 | 530 | 489 | 489	824 | 759 | 695 | 630 | 630	989 | 895 | 806 | 712 | 712	1189 | 1083 | 971 | 865 | 865
	Noise (Turbo | High | Med. | Low | Silent)	dB(A)	48 | 47 | 45 | 39 | 39	53 | 51 | 48 | 37.5 | 37.5	50.5 | 50 | 48 | 36 | 36	50.5 | 50.5 | 48 | 36.5 | 36.5
	Moisture Removal	l/h	1.87	2.5	2.99	3.37
	External Static Pressure Range	in. wc	0-0.8	0-0.8	0-0.8	0-0.8
Outdoor Unit Fan	Max. Airflow	CFM	1451	1766	3002	3002
Outdoor Unit Noise	Max.	dB(A)	55.5	59	61	62
Refrigerant Pre-Charge		oz	51.15	74.07	91.71	116.4
Pre-Charge Length		ft	24.6	24.6	24.6	24.6
Line Set	Liquid Line	in.	3/8	3/8	3/8	3/8
	Gas Line	in.	3/4	3/4	3/4	3/4
	Maximum Length	ft	98.4	164	164	246
	Maximum Height Difference	ft	65.6	82	82	98.4
Refrigerant			R454B	R454B	R454B	R454B
ENERGY STAR			✓ 6.1	-	✓ 6.1	-
ENERGY STAR Cold Climate			-	✓ 6.1	-	✓ 6.1

Asterisk (*) in model number is placeholder for version suffix (1, 2, etc.). Do not include asterisk (*) in model inventory query.
Images shown are for illustration purposes only and may not represent the exact product model or configuration available.
Performance at standard test conditions. Values shown are approximate and may have been rounded for ease of reference.
Refer to product submittals for complete specifications. Specifications subject to change without notice.
The ENERGY STAR name and the ENERGY STAR symbol are trademarks registered in Canada.

ENERGY STAR COLD CLIMATE R454B

Technical specifications - Pancake

Indoor Unit			GPHLA18R4AS*	GPHLA24R4AS*	GPHLA30R4AS*	GPHLA36R4AS*
Outdoor Unit			ESHEA18R2AN*	ESHEA24R2AN*	ESHEA30R2AN*	ESHEA36R2AN*
Nominal Capacity		Btu/h	18000	24000	30000	36000
Cooling	Rated @ 95°F (35°C)	Btu/h	18000	24000	30000	36000
	Min. @ 95°F (35°C)		6000	7400	7300	11100
	Max. @ 95°F (35°C)		20000	27000	33400	38000
	SEER2		16.8	16	16.6	15.4
	EER2		11.5	10	10.5	9.2
Heating	Rated @ 47°F (8.3°C)	Btu/h	18000	25000	30000	37000
	Min. @ 47°F (8.3°C)		5500	9200	5700	7900
	Max. @ 47°F (8.3°C)		19600	32200	31000	39000
	Rated COP @ 47°F (8.3°C)		3.5	3.44	3.2	3.2
	HSPF2 (IV)		8.8	9	8.1	8.7
	HSPF2 (V)		6.8	7	6.6	7.1
Outdoor Temperature Operating Range	Cooling	°C	-25~50	-25~50	-25~50	-25~50
		°F	-13~122	-13~122	-13~122	-13~122
	Heating	°C	-25~24	-25~24	-25~24	-25~24
		°F	-13~75	-13~75	-13~75	-13~75
Power Supply		V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
MOCP (Maximum breaker)		A	20	20	25	30
MCA		A	16	19	23	27
MOCP (Indoor Unit; powered separately)		A	15	15	15	15
MCA (Indoor Unit; powered separately)		A	5	5	6	6
Alternate MCA @ 115V to Indoor Unit		A	6	7	8	8
Indoor Unit Dimensions	Net (WxDxH)	in.	43.23x23.33x10.93	49.13x23.33x10.93	55.24x23.33x10.93	62.13x23.33x10.93
		mm	1098x592.7x277.6	1248x592.7x277.6	1403x592.7x277.6	1578x592.7x277.6
Indoor Unit Weight	Net	lb	118	127.87	138.89	143.3
		kg	53.5	58	63	64.8
Outdoor Unit Dimensions	Net (WxDxH)	in.	31.69x12.99x21.81	35.04x13.46x26.5	37.24x16.14x31.89	37.24x16.14x31.89
		mm	805x330x554	890x342x673	946x410x810	946x410x810
Outdoor Unit Weight	Net	lb	77.16	102	141.76	153.22
		kg	35	46.4	64.3	69.5
Indoor Unit Fan	Airflow (Turbo | High | Med. | Low | Silent)	CFM	600 | 565 | 530 | 489 | 489	824 | 759 | 647 | 630 | 630	989 | 895 | 806 | 542 | 542	1189 | 1083 | 971 | 865 | 865
	Noise (Turbo | High | Med. | Low | Silent)	dB(A)	55.5 | 55.5 | 52.5 | 50.5 | 50.5	56.5 | 56.5 | 53.5 | 51.5 | 51.5	60.5 | 60.5 | 58.5 | 50 | 50	59.5 | 59.5 | 57 | 49 | 49
	Moisture Removal	l/h	1.46	1.91	2.66	3.27
	External Static Pressure Range	in. wc	0-0.8	0-0.8	0-0.8	0-0.8
Outdoor Unit Fan	Max. Airflow	CFM	1451	1766	3002	3002
Outdoor Unit Noise	Max.	dB(A)	56	59	59	62
Refrigerant Pre-Charge		oz	51.15	74.07	91.71	116.4
Pre-Charge Length		ft	24.6	24.6	24.6	24.6
Line Set	Liquid Line	in.	3/8	3/8	3/8	3/8
	Gas Line	in.	3/4	3/4	3/4	3/4
	Maximum Length	ft	98.4	164	164	246
	Maximum Height Difference	ft	65.6	82	82	98.4
Refrigerant			R454B	R454B	R454B	R454B
ENERGY STAR			✓ 6.1	-	–	-
ENERGY STAR Cold Climate			-	✓ 6.1	-	✓ 6.1

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