



**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

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 1-year limited warranty on parts and 5-year compressor. An optional 10-year parts and compressor coverage is available for additional peace of mind.



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

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.



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 model			GGHLA18R4AS1	GGHLA24R4AS1	GGHLA30R4AS1	GGHLA36R4AS1
Outdoor model			ESHEA18R2AN1	ESHEA24R2AN1	ESHEA30R2AN1	ESHEA36R2AN1
Cooling	Capacity (range)	Btu/h	18,000 (5,900–20,600)	24,000 (9,000–27,600)	30,000 (10,100–34,400)	36,000 (11,800–39,000)
	EER2		11.5	10.8	11	10.2
	SEER2		18.5	17.4	18.6	16.7
Heating	Capacity (range)	Btu/h	18,000 (3,900–19,600)	25,000 (7,000–32,200)	31,000 (6,500–31,900)	37,000 (6,900–41,000)
	COP at 8.3°C		3.55	3.80	3.5	3.3
	HSPF2 Region V (Region IV)		7.2 (9.4)	8.1 (10.4)	6.7 (8.7)	7.5 (9.3)
Max. fuse (outdoor)		A	20	20	25	30
Power supply		V Ph Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz
Indoor air flow (Turbo \ Hi \ Mi \ Lo \ Si)		m <sup>3</sup> /h	1050 \ 980 \ 900 \ 830	1400 \ 1290 \ 1180 \ 1070	1680 \ 1520 \ 1370 \ 1210	2020 \ 1840 \ 1650 \ 1470
		CFM	618 \ 576.8 \ 529.7 \ 488.5	824 \ 759.3 \ 694.5 \ 629.8	988.8 \ 894.7 \ 806.4 \ 712.2	1189 \ 1083 \ 971.2 \ 865.2
Indoor noise level (Turbo \ Hi \ Mi \ Lo \ Si)		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
Indoor unit	Dimension (WxDxH)	mm	515×399×928	515×399×928	559×483×1017	559×483×1017
		in	20.3×15.7×36.5	20.3×15.7×36.5	22×19×40	22×19×40
	Net weight	kg	51	42	50	50
		lb	111.3	91.5	110.2	109.6
Outdoor noise level		dB(A)	55.5	59	61	62
Outdoor unit	Dimension (WxDxH)	mm	805×330×554	890×342×673	946×410×810	946×410×810
		in	31.7×13×21.8	35×13.5×26.5	37.2×16.1×31.9	37.2×16.1×31.9
	Net weight	kg	35	46	64.3	69.5
		lb	77.2	101.4	141.8	153.2
Refrigerant precharge		oz (kg)	51.2 (1.5)	74.1 (2.1)	91.7 (2.6)	116.4 (3.3)
Refrigerant piping	Liquid side	in (mm)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)
	Gas side	in (mm)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)
	Max. refrigerant pipe length	ft (m)	98.4 (30)	164 (50)	164 (50)	246 (75)
	Max. difference in level	ft (m)	65.6 (20)	82 (25)	82 (25)	98.4 (30)
Moisture removal		L/h	1.9	2.5	3	3.4
Included Controller Type			Wired Control	Wired Control	Wired Control	Wired Control
Indoor Room	Set point Range	°C (°F)	16–32 (60–90)	16–32 (60–90)	16–32 (60–90)	16–32 (60–90)
Outdoor	Outdoor temperature range of operation (cooling)	°C (°F)	-25–50 (-13–122)	-25–50 (-13–122)	-25–50 (-13–122)	-25–50 (-13–122)
	Outdoor temperature range of operation (heating)	°C (°F)	-25–24 (-13–75)	-25–24 (-13–75)	-25–24 (-13–75)	-25–24 (-13–75)
Refrigerant			R454B	R454B	R454B	R454B
ENERGY STAR V6.1			✓	✗	✓	✗
ENERGY STAR V6.1 Cold Climate			✗	✓	✗	✓

Images shown are for illustration purposes only and may not represent the exact product model or configuration available.

Product specifications may change without notice. 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.



# Technical specifications - Pancake

Indoor model			GPHLA18R4AS1	GPHLA24R4AS1	GPHLA30R4AS1	GPHLA36R4AS1
Outdoor model			ESHEA18R2AN1	ESHEA24R2AN1	ESHEA30R2AN1	ESHEA36R2AN1
Cooling	Capacity (range)	Btu/h	18,000 (6,000-20,000)	24,000 (7,400-27,000)	30,000 (7,300-33,400)	36,000 (11,100-38,000)
	EER2		11.5	10	10.5	9.2
	SEER2		16.8	16	16.6	15.4
Heating	Capacity (range)	Btu/h	18,000 (5,500-19,600)	25,000 (9,200-32,200)	30,000 (5,700-31,000)	37,000 (7,900-39,000)
	COP at 8.3°C		3.5	3.44	3.2	3.2
	HSPF2 Region V (Region IV)		6.8 (8.8)	7 (9)	6.6 (8.1)	7.1 (8.7)
Max. fuse (outdoor)		A	20	20	25	30
Power supply		V Ph Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz
Indoor air flow (Turbo \ Hi \ Mi \ Lo \ Si)		m3/h	1.020 \ 960 \ 900 \ 830 \ 830	1.400 \ 1,290 \ 1,100 \ 1,070 \ 1,070	1.680 \ 1,520 \ 1,370 \ 920 \ 920	2.020 \ 1,840 \ 1,650 \ 1,470 \ 1,470
		CFM	600 \ 565 \ 530 \ 489 \ 489	824 \ 759 \ 647 \ 630 \ 630	989 \ 895 \ 806 \ 542 \ 542	1,189 \ 1,083 \ 971 \ 865 \ 865
Indoor noise level (Turbo \ Hi \ Mi \ Lo \ Si)		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
Indoor unit	Dimension (WxDxH)	mm	1.098x592.7x277.6	1.248x592.7x277.6	1.403x592.7x277.6	1.578x592.7x277.6
		in	43.2x23.3x10.9	49.1x23.3x10.9	55.2x23.3x10.9	62.1x23.3x10.9
	Net weight	kg	53.5	58	63	64.8
		lb	118	127	138.9	143.3
Outdoor noise level		dB(A)	56	59	59	62
Outdoor unit	Dimension (WxDxH)	mm	805x330x554	890x342x673	946x410x810	946x410x810
		in	31.7x13x21.8	35x13.5x26.5	37.2x16.1x31.9	37.2x16.1x31.9
	Net weight	kg	35	46	64.3	69.5
		lb	77.2	101.4	141.8	153.2
Refrigerant precharge		oz (kg)	51.2 (1.5)	74.1 (2.1)	91.7 (2.6)	116.4 (3.3)
Refrigerant piping	Liquid side	in (mm)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)
	Gas side	in (mm)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)
	Max. refrigerant pipe length	ft (m)	98.4 (30)	164 (50)	246 (75)	246 (75)
	Max. difference in level	ft (m)	65.6 (20)	82 (25)	98.4 (30)	98.4 (30)
Moisture removal		L/h	1.5	1.9	2.7	3.3
Included Controller Type			Wired Control	Wired Control	Wired Control	Wired Control
Indoor Room	Set point Range	°C (°F)	16-32 (60-90)	16-32 (60-90)	16-32 (60-90)	16-32 (60-90)
Outdoor	Outdoor temperature range of operation (cooling)	°C (°F)	-25-50 (-13-122)	-25-50 (-13-122)	-25-50 (-13-122)	-25-50 (-13-122)
	Outdoor temperature range of operation (heating)	°C (°F)	-25-24 (-13-75)	-25-24 (-13-75)	-25-24 (-13-75)	-25-24 (-13-75)
Refrigerant			R454B	R454B	R454B	R454B
ENERGY STAR V6.1			✓	✗	✗	✗
ENERGY STAR V6.1 Cold Climate			✗	✓	✗	✓

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