

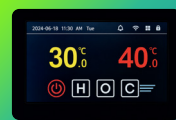
Karnot Energy Solutions Inc



THERMAL EFFICIENCY REVOLUTION

R32 DC Inverter Heat Pumps

Clima Series



Karnot
iSAVE System



RoHS



Clima Series



Karnot
iSAVE System



Multiple Modes for
Comfortable Use



ERP A+++
Performance



-30°C
Stable Running
Ambient



5-inch Color
Touchscreen



Reduced
Noise



Wifi
Control



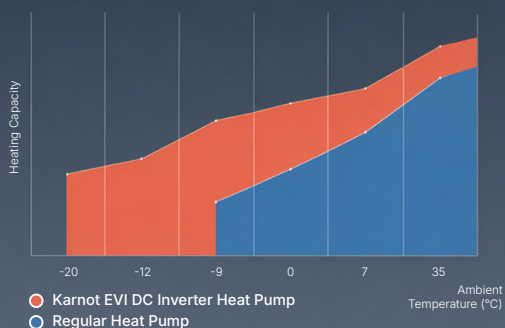
KEYMARK



SG
Ready

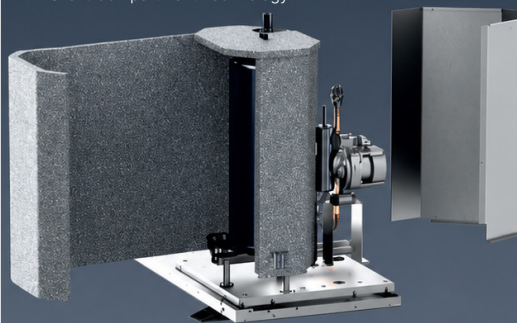
EVI TECH

Minimal Low-temp decay | Fast Warm Up | Freeze Protection



ADVANCED QUIET TECH

1. Advanced Acoustic Insulation
2. Silent Compartment Technology



-30°C-45°C

Stable Operation

60°C

Max. Outlet Temperature

MONOBLOC DESIGN

Compact structure, quick and simple installation, saving installation time and cost.



Clima Series

R32 Monobloc Inverter Air-Source Heat Pumps

SPECIFICATION (6kW ~ 19.8kW)

R32 Monobloc Inverter Air Source Heat Pumps

Model		Clima 6 kW CGK015V3L-B	Clima 9.4 kW CGK025V3L-B	Clima 11.6 kW CGK030V3L-B	Clima 15.8 kW CGK040V3L-B	Clima 19.8 kW CGK050V3L-B
Max. heating capacity (A7°C/W35°C)	kW	6	9.4	11.6	15.8	19.8
COP (A7°C/W35°C)	W/W	4.45	4.56	4.61	4.65	4.71
Max. heating capacity (A7°C/W45°C)	kW	5.8	9.0	11.1	15.2	19.0
COP (A7°C/W45°C)	W/W	3.56	3.65	3.53	3.69	3.77
Max. cooling capacity (A35°C/W18°C)	kW	5.5	8.6	10.6	14.4	18.1
EER (A35°C/W18°C)	W/W	3.45	3.54	3.42	3.58	3.65
Max. cooling capacity (A35°C/W7°C)	kW	4.3	6.0	7.5	10.2	12.7
EER (A35°C/W7°C)	W/W	2.59	2.48	2.40	2.50	2.56
Water flow	m³/h	1.04	1.62	2.00	2.72	3.41
Max. power input	kW	2.02	3.09	3.95	5.14	6.31
Max. current	A	9.68	14.79	18.88	24.60	30.17
Fuse / circuit breaker	A	13	20	25	32	40
Piping connection	inch	G3/4	G1	G1	G1	G1
Sound pressure level (1 m)	dB(A)	42.7–50.8	43.9–51	46–53.2	46.2–56.7	44.6–57.5
Dimensions (L×D×H)	mm	990×375×655	1110×475×810	1110×475×810	1110×475×960	1110×475×1355
Net weight	kg	58	93	97	107	131
Energy class (EU 811/2013, 35°C / 55°C)	—	A+++ / A++				
Operating ambient range	°C	–30 ~ +45				

Note:

(1) Heating condition: water inlet/outlet temperature: 30°C/35°C, Ambient temperature: DB 7°C/WB 6°C.
(2) Heating condition: water inlet/outlet temperature: 40°C/45°C, Ambient temperature: DB 7°C/WB 6°C.

(3) Cooling condition: water inlet/outlet temperature: 23°C/18°C, Ambient temperature: DB35°C/WB24°C.
(4) Cooling condition: water inlet/outlet temperature: 12°C/7°C, Ambient temperature: DB35°C/WB24°C.

EXTREME-COLD HEATING STAR

Stable | Efficient | Long-Lasting



Keymark



MCS
Certified



1

Monitoring Pressure
and Temperature

2

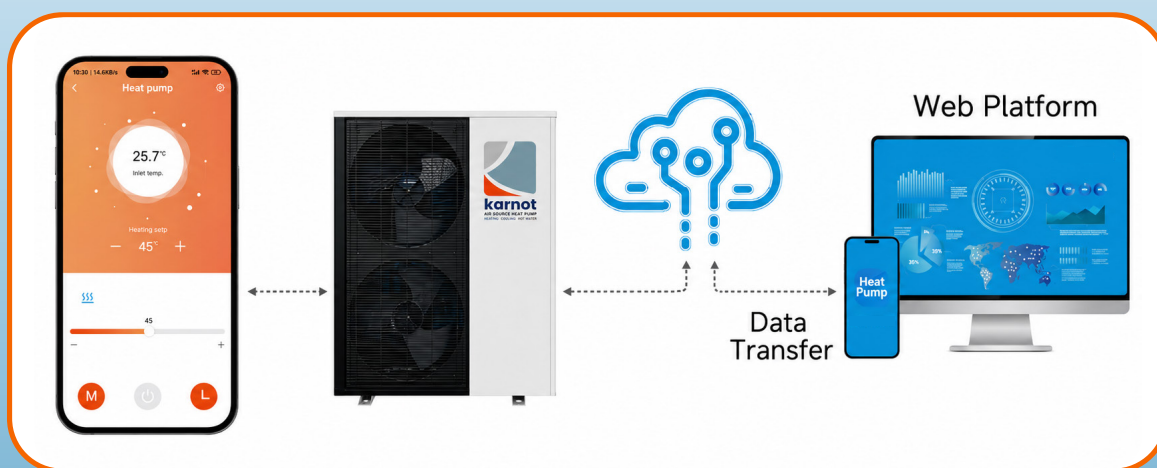
Smart Feedback

3

Precise Control

SMART CONTROL SYSTEM

With the built-in Wi-Fi module, users can manage the system and monitor its energy usage anytime, anywhere.



End-user APP

Remote Control & Management

HP Operation Monitoring

Historical Energy Consumption Tracking

Fault Alerts



Dealer APP

Equipment Data Collection

Remote After-Sales Support

HP Installation Management

HP Inventory Management

SPECIFICATION (21.8kW ~ 45.1kW)

R32 Monobloc Inverter Air Source Heat Pumps

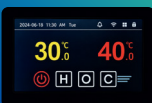
Model		Clima 21.8 kW CGK-060V3L-B	Clima 29 kW CGK-080V3L-B	Clima 35.5 kW CGK-101V3L-B	Clima 45.1 kW CGK-150V3L-B
Max. heating capacity (A7°C/W35°C)	kW	21.8	29	35.5	45.1
COP (A7°C/W35°C)	W/W	4.62	4.3	4.4	4.2
Max. heating capacity (A7°C/W45°C)	kW	20.9	27.8	34.1	43.3
COP (A7°C/W45°C)	W/W	3.70	3.50	3.72	3.72
Max. cooling capacity (A35°C/W18°C)	kW	19.9	26.4	32.4	41.1
EER (A35°C/W18°C)	W/W	3.59	3.40	3.61	3.61
Max. cooling capacity (A35°C/W7°C)	kW	14.0	19.0	25.0	31.6
EER (A35°C/W7°C)	W/W	2.51	2.60	2.90	2.82
Water flow	m ³ /h	3.75	5.00	6.11	7.76
Max. power input	kW	7.08	10.12	12.10	16.11
Max. current	A	14.94	21.35	25.54	33.99
Fuse / circuit breaker	A	20	32	32	40
Piping connection	inch	G1"	G1-1/4"	G1-1/4"	G1-1/2"
Sound pressure level (1 m)	dB(A)	48.8–59	51.2–60.6	48–58	53.2–63.6
Dimensions (LxDxH)	mm	1110×475×1355	1110×475×1455	1249×509×1558	1400×525×1570
Net weight	kg	131	149	220	260
Energy class (EU 811/2013, 35°C / 55°C)	—	A+++ / A++			
Operating ambient range	°C	–30 ~ +45			

Notes:

- (1) Heating condition: water inlet/outlet temperature: 30°C/35°C, Ambient temperature: DB 7°C/WB 6°C; (3) Cooling condition: water inlet/outlet temperature: 23°C/18°C, Ambient temperature: DB35°C/WB24°C;
(2) Heating condition: water inlet/outlet temperature: 40°C/45°C, Ambient temperature: DB 7°C/WB 6°C; (4) Cooling condition: water inlet/outlet temperature: 12°C/7°C, Ambient temperature: DB35°C/WB24°C;



Karnot iSAVE System



SPLIT UNIT DESIGN

Split systems offer greater placement flexibility and superior freeze protection in extreme cold because the indoor and outdoor units are separate.



Clima-S Series

R32 Split Inverter Air Source Heat Pumps



Model		Clima-S 11.5 kW CGK030V3LSP-B	Clima-S 15.5 kW CGK040V3LSP-B	Clima-S 19.8 kW CGK050V3LSP-B	Clima-S 22 kW CGK060V3LSP-B
Power supply	V/Hz/Ph	220-240 V / 50-60 Hz / 1 Ph	220-240 V / 50-60 Hz / 1 Ph	380-420 V / 50-60 Hz / 3 Ph	380-420 V / 50-60 Hz / 3 Ph
Max. heating capacity (A7°C/W35°C)	kW	11.5	15.5	19.8	22
COP (A7°C/W35°C)	W/W	4.4	4.58	4.55	4.35
Max. heating capacity (A7°C/W45°C)	kW	11.0	14.9	19.0	21.6
COP (A7°C/W45°C)	W/W	3.52	3.66	3.64	3.61
Max. cooling capacity (A35°C/W18°C)	kW	10.5	14.1	18.1	20.6
EER (A35°C/W18°C)	W/W	3.41	3.55	3.53	3.50
Max. cooling capacity (A35°C/W7°C)	kW	8.3	10.9	12.0	13.0
EER (A35°C/W7°C)	W/W	2.56	2.67	2.62	2.52
Water flow	m³/h	2.00	2.67	3.41	3.78
Max. power input (HP + el. heater)	kW	3.8 + 3	4.9 + 3	6.3 + 3	7.3 + 3
Max. current (HP + el. heater)	A	18.13 + 13.6	23.48 + 13.6	13.32 + 7.8	15.48 + 7.8
Fuse / circuit breaker	A	40	50	32	32
Piping connection	inch	G1"	G1"	G1"	G1"
Noise level	dB(A)	59	60	61	62
Outdoor unit (LxDxH)	mm	1110x475x810	1110x475x960	1110x475x1355	1110x475x1355
Indoor unit (LxDxH)	mm	550x325x650	550x325x650	550x325x650	550x325x650
Weight — outdoor / indoor	kg	74 / 38	100 / 44	112 / 46	112 / 42
Operating ambient range	°C	-30 ~ +45			

Note:

- (1) Heating condition: water inlet/outlet temperature: 30°C/35°C, Ambient temperature: DB 7°C/WB 6°C; (3) Cooling condition: water inlet/outlet temperature: 23°C/18°C, Ambient temperature: DB 35°C/WB 24°C;
(2) Heating condition: water inlet/outlet temperature: 40°C/45°C, Ambient temperature: DB 7°C/WB 6°C; (4) Cooling condition: water inlet/outlet temperature: 12°C/7°C, Ambient temperature: DB 35°C/WB 24°C

INSTANT CLIMATE CONTROL AT YOUR FINGERTIPS

5-INCH

COLOR TOUCHSCREEN

- **CAPACITIVE TOUCHSCREEN**
Instant Response, Phone-Smooth.
- **VISUAL INTERFACE**
Clear, Intuitive, Effortless.
- **CUSTOMISABLE FREQUENCY**
Comfort meets efficiency.
- **SUPPORTS SCHEDULED SETTINGS**
Personalised.



Supports 25 languages
worldwide

Smart OTA Updates

One-touch mode switching

Customisable logo (optional)

KEY COMPONENTS





karnot

LOW CARBON HEAT PUMPS
AIR | WATER | STEAM | CO₂

Karnot Energy Solutions INC

Low Carbon Technology Centre
Cosmos Farm, Cosmos Street, Nilombot,
Mapandan, Pangasinan, Philippines 2429

www.karnot.com
Email - info@karnot.com
Tel +63 960 289 2001

RoHS



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