Pro Series

R32 DC Inverter Air Source Heat Pumps

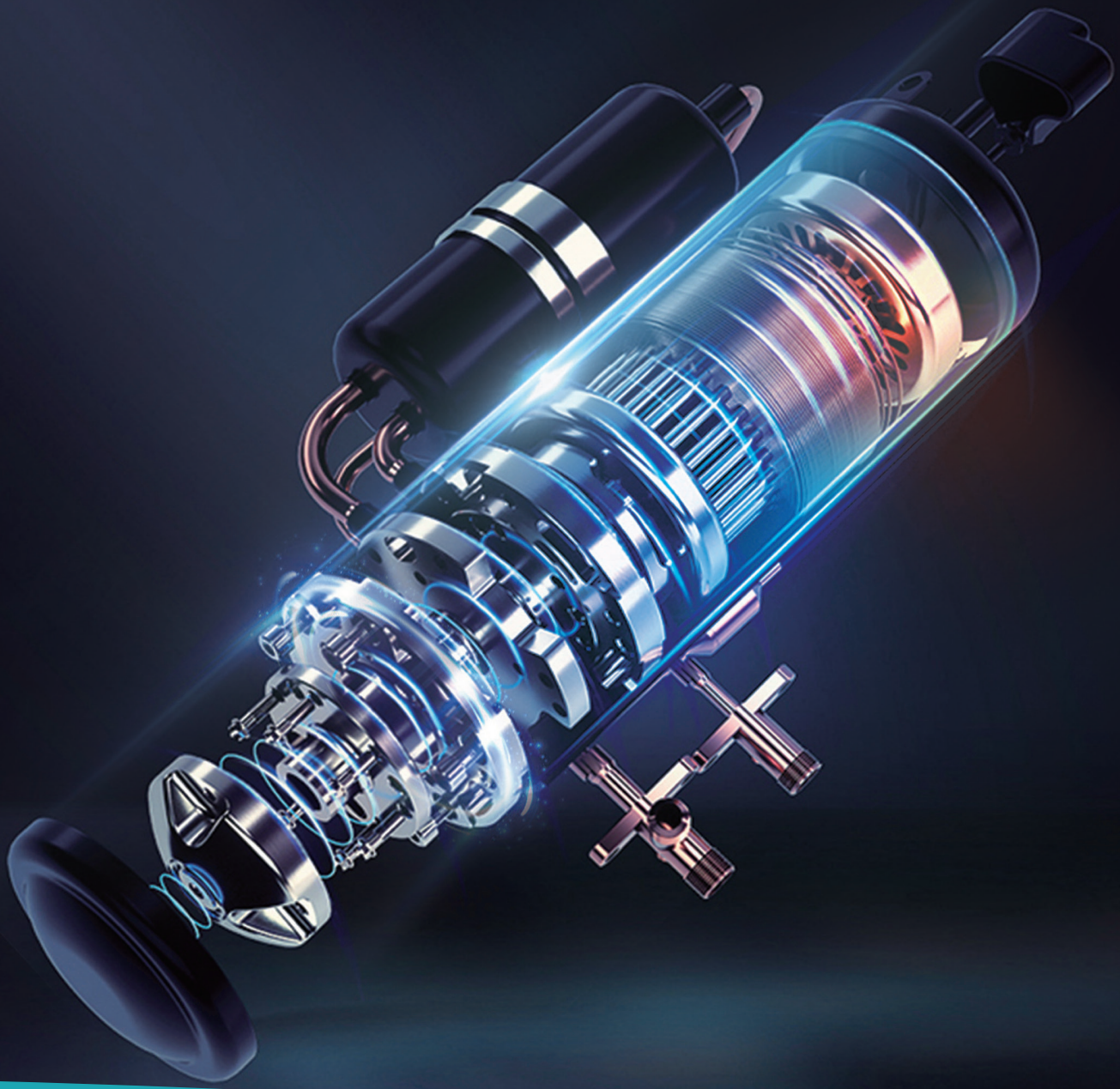
- Multiple Modes for Comfortable Use
- ERP A+++ Performance
- Stable Running Ambient
- Reduced Noise
- WiFi Control
- KEYMARK Certification
- SG Ready

R32 Refrigerant

R32 refrigerant is an environmentally friendly refrigerant with low global warming potential and ozone depletion potential. Using R32 refrigerant in heat pump systems can improve operational performance and efficiency, reduce energy consumption and carbon emissions, and become a key element of sustainable development. Combined with the intelligent control system developed by Dalrada Home and excellent product design, the advantages of R32 refrigerant are fully utilized to contribute to sustainable development.

Heating in Low Temperature

Regulate heating and cooling using DC inverter compressors and DC inverter controllers; Dalrada Home DC inverter heat pumps can operate at high frequency to heat water faster. When the temperature reaches the set temperature, it will operate at a low frequency with less energy consumed to maintain the temperature.



DALRADA HOME

Smart Control

The CAREL controller is able to record temperatures unaided using sensors that record the surrounding conditions. With the WIFI online monitoring, customers will enjoy contactless support from our customer service center no matter where they are.

DALRADA HOME

One-Stop Solution To Meet Various Residential Needs

As a green heating solution for the future, Dalrada Home heat pumps can provide comfortable heating in winter, cooling in summer, gentle airflow, and a more comfortable overall sensation, while also supporting a 24-hour hot water supply.

Whole House Heating | Central Hot Water | Central Cooling

Hot Water + House Heating | Hot Water + House Cooling

DalradaHOME.com

DALRADA HOME

43~51dB(A)

Sound pressure level(1m)

- 20dB-Rustle of Leaves
- 30dB-Whisper
- 70dB-Car

* This information is from laboratory testing.

DALRADA HOME

High Heating Efficiency

The unit can operate at high frequency to heat water at a faster speed. When the temperature reaches the set temperature, it will operate at a low frequency with less energy consumed to maintain temperature.

DALRADA HOME

R32 Pro Series Specifications

Model	Units	DH32-2F	DH32-4F	DH32-5.5F
Effective Square Footage Area	FT^2	1000-1500 FT^2	1500-2500 FT^2	2500-3500 FT^2
Power input		220V1PH/60hz		
Heating condition: air DB 20°C (68°F)/WB 15°C (59°F) water from 15°C (59°F) to 55°C (131°F)				
Heating capacity	W	12.3	24.6	32.8
Input power (Heating)	W	2.67	5.37	7.16
Input current (Heating)	A	12.2	24.4	32.6
COP	W/W	4.6	4.6	4.6
Heating condition: air DB 7°C (44.6°F)/WB 6°C (42.8°F) water inlet:30°C (86°F) water outlet: 35°C (95°F)				
Heating capacity	W	10.9	19.5	28.1
Input power (Heating)	W	2.88	4.75	6.83
Input current (Heating)	A	13.1	21.6	31.0
COP	W/W	4.12	4.10	4.12
Heating condition: air DB 7°C (44.6°F)/WB 6°C (42.8°F) water inlet:40°C (104°F) water outlet: 45°C (113°F)				
Heating capacity	W	10.5	17.0	24.0
Input power (Heating)	W	3.25	5.00	7.27
Input current (Heating)	A	14.8	22.7	33.0
COP	W/W	3.23	3.40	3.30
Heating condition: air DB -12°C (10.4°F)/WB -14°C (6.8°F) Water inlet :36°C (96.8°F) water outlet: 41°C (105.8°F)				
Heating capacity	W	6.5	11.5	18.0
Input power (Heating)	W	3.08	5.45	8.40
Input current (Heating)	A	14.0	24.8	38.2
COP	W/W	2.11	2.11	2.14
Cooling condition: air DB 35°C 95°F)/-°C (68°F) water inlet:12 °C (53.6°F) ,water outlet:7°C (44.6°F)				
Cooling capacity	W	8.0	15.0	20.0
Input power	W	3.00	5.98	7.90
Input current	A	13.6	27.2	35.9
Max running current	A	20.5	40.7	53.9
Controller		Inverter Control		
Compressor		DC inverter compressor		
Fan motor		DC fan motor		
Refrigerant flow control		Electric Expansion Vavle		
Heat exchanger		High efficient tube in shell heat exchanger		
Refrigerant		R32		
Sound pressure level	(1m)	dB(A)	43	4L
Water inlet/outlet	inch	1"	1-1/2"	1-1/2"
Water flow volume	gal/h	364.6	681.6	908.8
Net Dimension(L*D*H)	inch	41.3"/16.5"/33.5"	45.3"/18.5"/49.2"	54.3"/20.3"/62.4"
Packing Dimension(L*D*H)	inch	41.3"/17.7"/39.4"	49.2"/20.5"/56.7"	57.1"/21.7"/66.9"

***The data contained in this informational brochure may be subject to updates or modifications based upon any product improvements or revisions.**

Dalrada Home DH32-2F

R32 Refrigerant/Lower Noise/ErP A+++/CAREL Controller

Power Supply	v/Hz/Ph	230V/1PH/60Hz
Sound Pressure (1m)	dB(A)	37.8~44.2
Max Heating Capacity	kW	9
Max. Cooling Capacity	tons	2
Area Capacity	FT^2	1000-1500
Cabinet Type	/	Plastic Casing
Net Weight	lbs	117
Net Dimension (L*D*H*)	inch	36.6”/14.2”/21.7”

Dalrada Home DH32-4F

R32 Refrigerant/Lower Noise/ErP A+++/CAREL Controller

Power Supply	v/Hz/Ph	230V/1PH/60Hz
Sound Pressure (1m)	dB(A)	38.6~46.9
Max Heating Capacity	kW	13
Max. Cooling Capacity	tons	4
Area Capacity	FT^2	1500-2500
Cabinet Type	/	Plastic Casing
Net Weight	lbs	139
Net Dimension (L*D*H*)	inch	39.8”/14.6”/24.4”

Dalrada Home DH32-5.5F

R32 Refrigerant/Lower Noise/ErP A+++/CAREL Controller

Power Supply	v/Hz/Ph	230V/1PH/60Hz
Sound Pressure (1m)	dB(A)	42.9~50.8
Max Heating Capacity	kW	21
Max. Cooling Capacity	tons	5.5
Area Capacity	FT^2	2500-3500
Cabinet Type	/	Plastic Casing
Net Weight	lbs	238
Net Dimension (L*D*H*)	inch	43.9”/18.5”/37.5”

THE ABOVE MODELS HAVE BEEN SELECTED FOR THE UNITED STATES MARKET

* The information in this document is just for reference. Since the continuous improvement and control in the production process, the information contained in this document may be subject to change. Please refer to the nameplate on the machine for model specifications.