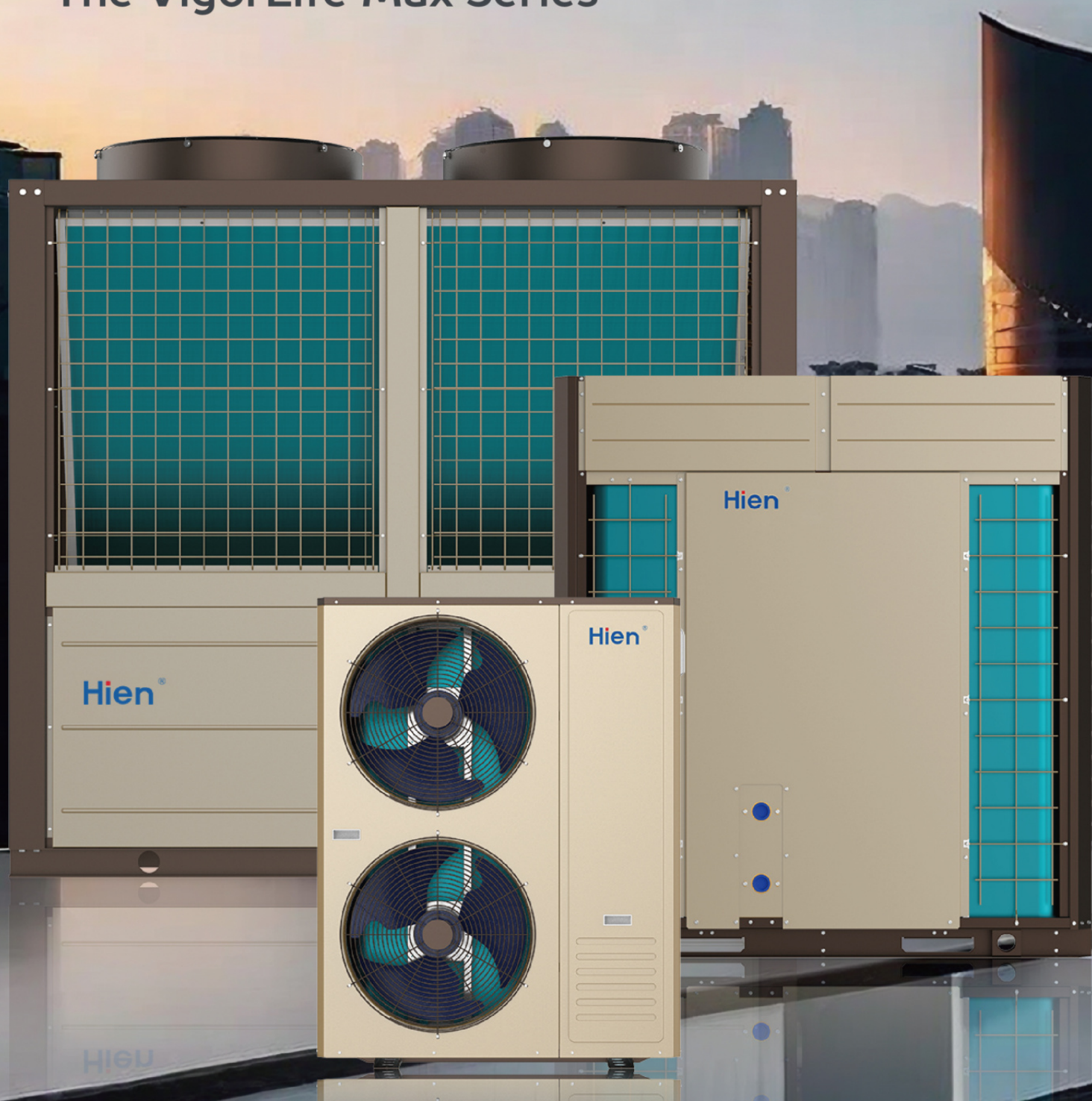


Hien®

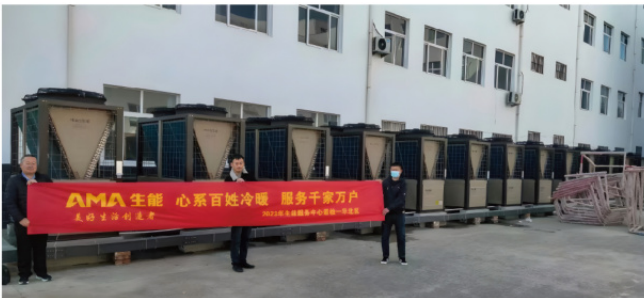
COMMERCIAL HEATING & COOLING

DC INVERTER AIR SOURCE HEAT PUMP

The VigorLife Max Series



ENERGY TRANSITION PROJECTS



PROJECTS

MORE THAN 70000 PROJECTS COMPLETED SO FAR;
MORE THAN 6.5 MILLION PRODUCTS DELIVERED.

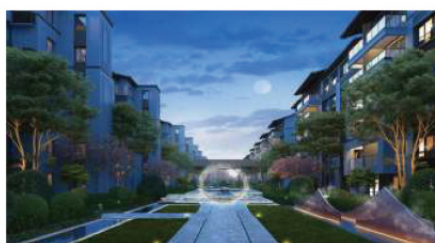
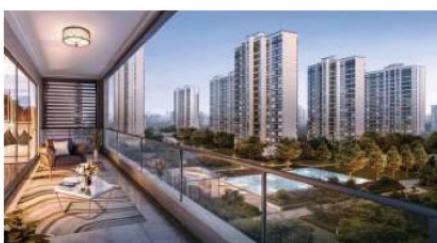
SCHOOLS



HOSPITALS



RESIDENTIAL



HIGHLIGHT



The 2008 Shanghai World Expo.

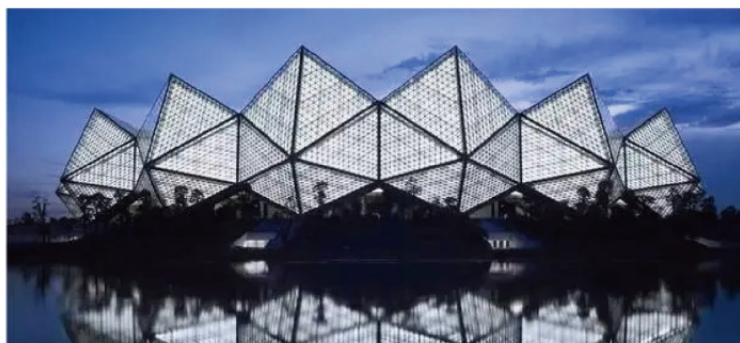


The 2013 Boao Summit for Asia in Hainan.



Universiade SHENZHEN 2011

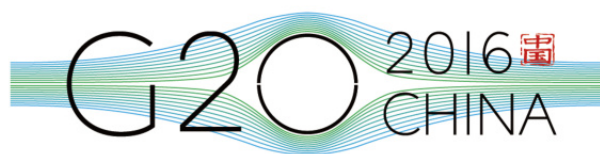
The 2011 Universiade in Shenzhen.



The artificial island hot water project of the Hong Kong-Zhuhai-Macao Bridge in 2019.



2016 the hot water reconstruction project of Qingdao port.



2016 the G20 Hangzhou Summit.



The 2022 Beijing Winter Olympic Games & Paralympic Games.



2023 the Asian Games in Hangzhou



ABOUT HIEN

Founded in 1992, Hien firstly started as an electronic component manufacturer. With a registered capital of 300 million RMB, Hien entered the air energy industry in 2000. It is a leading enterprise of air source heat pumps in the area of product R & D, production, sales, and after-sales service. Hien owns one of the largest production bases of ASHP in China, as well as the CANS certified state-level comprehensive laboratory.

PRODUCTION LINE

With a total of 60,000 m² of construction area and over 1,000 processing equipments, the main factory comprises 6 assembly lines, while the branch factory consists of 3 production workshops. Main products include air source heat pumps for residential, commercial, and industrial use. The capacity of our products ranges from 3 kW to 320 kW, primarily for heating, cooling, and hot water. As well as heat pump dryers for the production of tobacco, aroma wicks, medicinal herbs, tea, fruits, vegetables, and other products.



RUNNING AT LOW TEMPERATURE

Operating in extreme cold conditions: Stable Running at -35°C Ambient Temperature.



SMART CONTROL

Easily manage your heat pump with Wi-Fi and app smart control, integrated with IoT platforms.



INTELLIGENT DEFROSTING

Smart control system to shorten defrosting time, extend defrosting intervals, and achieve energy-efficient heating.



LOW NOISE

Multiple layers of noise-insulating cotton are internally installed in the unit to minimize noise to the greatest extent.



MULTIPLE PROTECTIVE MECHANISMS

Equipped with multiple protective mechanisms for comprehensive protection of your safety and equipment, extending the equipment's lifespan.



INTELLIGENT DEFROST

Smart control shortens defrosting time, extends defrosting intervals, achieving energy-efficient and effective heating.

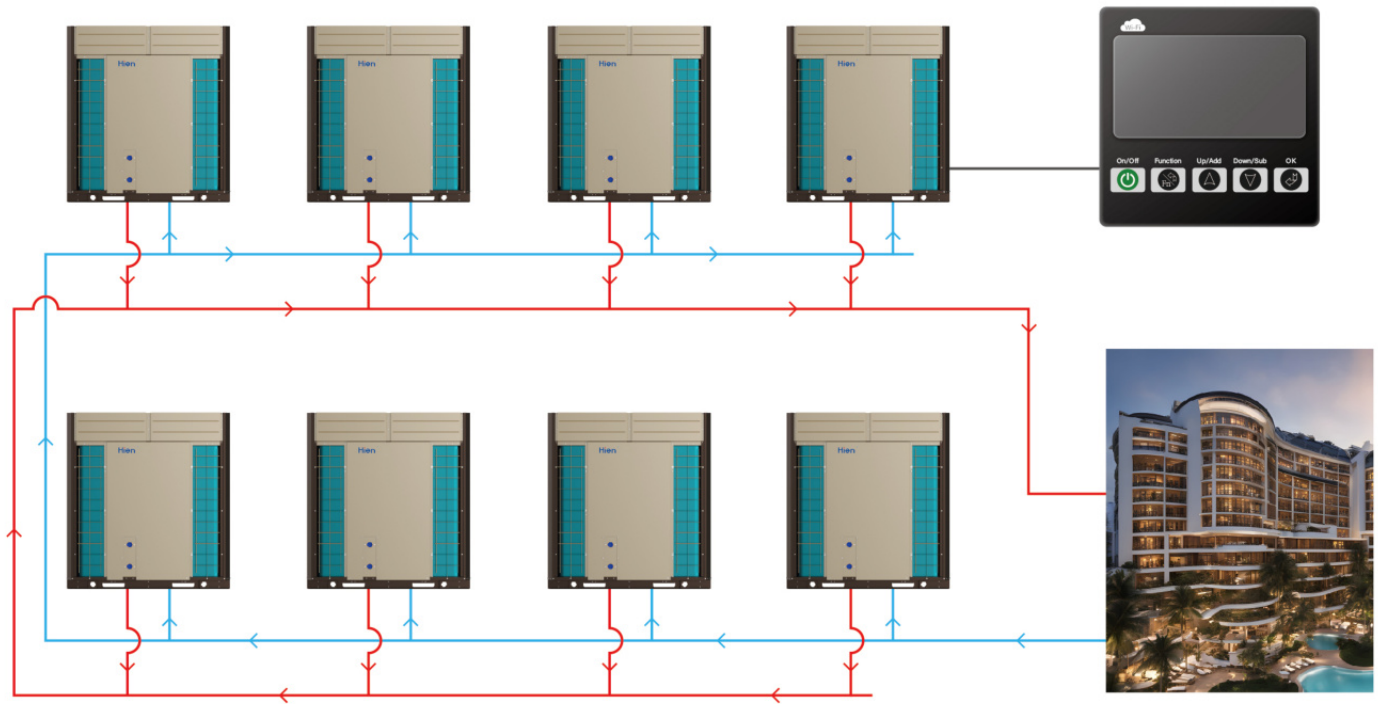


VERSATILE FUNCTIONALITY

The heat pump meets both heating and cooling requirements, offering a more comfortable cooling experience than traditional air conditioning.



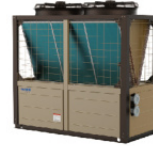
CASCADE SYSTEM DIAGRAM



- Maximum of 8 units can be controlled with one touch screen.
- Connect 1 master to 7 slaves for networking.
- Can be operated independently or in group.
- Automatically control the start and stop of the machine based on water temperature.
- Multiple heat pumps can work together to improve the efficiency and energy efficiency of the system.



SPECIFICATIONS



Name		/	DLRK-37 II BM/C1	DLRK-65 II /C4	DLRK-80 II /C4
Power Supply		/	380V 3N~ 50Hz	380V 3N~ 50Hz	380V 3N~ 50Hz
Anti-Electric Shock Rate		/	Class I	Class I	Class I
Ingress Protection Rating		/	IPX4	IPX4	IPX4
Condition 1	Rated Heating Capacity	W	37000/10700	70000/21150	80000/24600
Condition 2	Rated Heating Capacity	W	25000	45100	50500
	Rated Heating Power Input	W	10000	17480	19400
	COP	/	2.5	2.58	2.6
Condition 3	Low Temp. Heating Capacity	W	20800	38000	42000
	Low Ambient Heating Power Input	W	9400	17270	19100
IPLV (H)		W/W	3.27	2.85	2.89
Condition 4	Rated Cooling Capacity	W	33000	51500	55000
	Power Input	W	11800	18900	19800
	EER	/	2.8	2.72	2.78
IPLV (C)		W/W	4.02	3.05	3.05
Max Power Input		W	16800	30000	34000
Max Running Current		A	30	52	68
Rated Water Flow		m ³ /h	5.68	8.86	9.46
Water Pressure Drop		kPa	40	40	40
Water Pipe Connection		/	DN32/1½" Female Thread	DN50/Flange	DN50/Flange
Noise		dB(A)	66	74	74
Refrigerant/Charge		/	R410A / 6.3kg	R410A/ (6.3×2) kg	R410A / (8×2) kg
Dimension (L×W×H)		mm	1200×430×1550	2000×1050×2020	2150×1050×2080
Net Weight		kg	210	700	780

Condition1: Outdoor DB Temp. 7 °C, outlet water Temp. 45 °C

Condition2: Outdoor DB Temp. -12 °C /WB Temp.-13.5 °C, outlet water Temp. 41 °C

Condition3: Outdoor DB Temp. -20 °C, outlet water Temp. 41 °C

Condition4: Ambient DB Temp. 35 °C, outlet water Temp. 7 °C

The above parameters, if there are slight differences due to technical improvements, please refer to the relevant specifications of the actual product for accuracy.

SPECIFICATIONS



Name		/	DLRK-160 II /C6	DLRK-170 II /C2	DLRK-320 II /C4
Power Supply		/	380V 3N~ 50Hz	380V 3N~ 50Hz	380V 3N~ 50Hz
Anti-Electric Shock Rate		/	Class I	Class I	Class I
Ingress Protection Rating		/	IPX4	IPX4	IPX4
Condition 1	Rated Heating Capacity	W	154000/45620	170000/47000	310000/100000
Condition 2	Rated Heating Capacity	W	99600	116000	200000
	Rated Heating Power Input	W	41150	43500	86500
	COP	/	2.42	2.67	2.49
Condition 3	Low Temp. Heating Capacity	W	85000	98500	165000
	Low Ambient Heating Power Input	W	40860	43100	82500
IPLV (H)		W/W	2.85	3.22	3.72
Condition 4	Rated Cooling Capacity	W	130000	150000	235000
	Power Input	W	47800	44000	90000
	EER	/	2.72	3.41	2.6
IPLV (C)		W/W	3	3.69	2.9
Max Power Input		W	70000	70000	140000
Max Running Current		A	120	120	250
Rated Water Flow		m³/h	22.36	25.8	40.42
Water Pressure Drop		kPa	60	60	80
Water Pipe Connection		/	DN80/Flange	DN80/Flange	DN100/Flange
Noise		dB(A)	78	70	78
Refrigerant/Charge		/	R410A/ (14.5×2) kg	R410A/(14.5×2) kg	R410A/7.0kg
Dimension (L×W×H)		mm	2400×1150×2315	2400×1150×2315	3000×2200×2350
Net Weight		kg	1100	1100	2800

Condition1: Outdoor DB Temp. 7 °C, outlet water Temp. 45 °C

Condition2: Outdoor DB Temp. -12 °C /WB Temp.-13.5 °C, outlet water Temp. 41 °C

Condition3: Outdoor DB Temp. -20 °C, outlet water Temp. 41 °C

Condition4: Ambient DB Temp. 35 °C, outlet water Temp. 7 °C

The above parameters, if there are slight differences due to technical improvements, please refer to the relevant specifications of the actual product for accuracy.

SPECIFICATIONS



Name		/	DLRK-45 II BM/A2	DLRK-55 II BM/A2	DLRK-66 II BM/A2
Power Supply		/	380V 3N~ 50Hz	380V 3N~ 50Hz	380V 3N~ 50Hz
Anti-Electric Shock Rate		/	Class I	Class I	Class I
Ingress Protection Rating		/	IPX4	IPX4	IPX4
Condition 1	Rated Heating Capacity	W	20000~45000	25000~55000	30000~66000
Condition 2	Rated Heating Capacity	W	30000	38500	45000
	Rated Heating Power Input	W	11200	15400	18000
	COP	/	2.69	2.5	2.5
Condition 3	Low Temp. Heating Capacity	W	25000	31000	37000
	Low Ambient Heating Power Input	W	10700	14000	16800
IPLV (H)		W/W	3.34	3.3	3.33
Condition 4	Rated Cooling Capacity	W	35000	45000	52000
	Power Input	W	12200	16000	18000
	EER	/	2.87	2.81	2.89
IPLV (C)		W/W	4.2	4.05	4.16
Max Power Input		W	18000	21500	26000
Max Running Current		A	32	38.5	46
Rated Water Flow		m ³ /h	6.02	7.74	8.94
Water Pressure Drop		kPa	28	25	26
Water Pipe Connection		/	DN40/1½" Female Thread	DN50/2" Female Thread	DN50/2" Female Thread
Noise		dB(A)	67	71	71
Refrigerant/Charge		/	R32/7.0kg	R32/(4.5×2)kg	R32/(5.5×2)kg
Dimension (L×W×H)		mm	1500×800×1615	1675×860×1670	1755×900×1700
Net Weight		kg	320	420	480

Condition1: Outdoor DB Temp. 7 °C, outlet water Temp. 45 °C

Condition2: Outdoor DB Temp. -12 °C /WB Temp.-13.5 °C, outlet water Temp. 41 °C

Condition3: Outdoor DB Temp. -20 °C, outlet water Temp. 41 °C

Condition4: Ambient DB Temp. 35 °C, outlet water Temp. 7 °C

The above parameters, if there are slight differences due to technical improvements, please refer to the relevant specifications of the actual product for accuracy.

SPECIFICATIONS



Name		/	DLRK-88 II BM/A2	DLRK-160 II BM/A4	DLRK-180 II BM/A2
Power Supply		/	380V 3N~ 50Hz	380V 3N~ 50Hz	380V 3N~ 50Hz
Anti-Electric Shock Rate		/	Class I	Class I	Class I
Ingress Protection Rating		/	IPX4	IPX4	IPX4
Condition 1	Rated Heating Capacity	W	35000~88000	50000~160000	60000~180000
Condition 2	Rated Heating Capacity	W	58000	11000	120000
	Rated Heating Power Input	W	24000	40740	45300
	COP	/	2.42	2.7	2.65
Condition 3	Low Temp. Heating Capacity	W	48000	90000	96000
	Low Ambient Heating Power Input	W	22300	37820	40600
IPLV (H)		W/W	3.2	/	/
Condition 4	Rated Cooling Capacity	W	65000	130000	135000
	Power Input	W	24000	47790	49820
	EER	/	2.71	2.72	2.71
IPLV (C)		W/W	4.2	/	/
Max Power Input		W	36400	70000	70000
Max Running Current		A	65	130	130
Rated Water Flow		m³/h	11.18	22.36	23.22
Water Pressure Drop		kPa	35	25	25
Water Pipe Connection		/	DN50/2" Female Thread	DN50/2.5" Male Thread	DN65/2.5" Male Thread
Noise		dB(A)	72	70	72
Refrigerant/Charge		/	R32 / (6.5×2) kg	R32 / (6.2×4) kg	R32 / (6.2×4) kg
Dimension (L×W×H)		mm	1755×930×1700	2400×1200×2630	2400×1200×2630
Net Weight		kg	510	1030	1040

Condition1: Outdoor DB Temp. 7 °C, outlet water Temp. 45 °C

Condition2: Outdoor DB Temp. -12 °C /WB Temp.-13.5 °C, outlet water Temp. 41 °C

Condition3: Outdoor DB Temp. -20 °C, outlet water Temp. 41 °C

Condition4: Ambient DB Temp. 35 °C, outlet water Temp. 7 °C

The above parameters, if there are slight differences due to technical improvements, please refer to the relevant specifications of the actual product for accuracy.

Hien[®]

info@hien-ne.com

T/F : +86-0577-62121888



www.hien-ne.com

Germany Office: Martin-Behaim-Straße 2 63263 Neu-Isenburg,
Frankfurt am Main, Germany

Head Office : No.9, Chuangxin Rd, Yueshang Pioneer Park, Yueqingwan Port
District, Yueqing, Zhejiang, China