

Hien®

Web: www.hien-ne.com
E-mil: info@hien-ne.com
T/F: 86 0577-62121888

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

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



Hien®

EN

EcoAqua Series

SMART HYDRAULIC MODULES FOR HEAT PUMP SYSTEMS



**Smart Hydraulics.
Engineered to Maximize Heat Pump Performance.**

- Smart Hydraulics. Maximum Performance.
- Engineered for Efficiency, Built for Reliability.
- Simplify Installation. Amplify Comfort.
- The Heart of Your Heat Pump System.
- Compact Footprint, Tidy Plant Room
- Plug, Play & Perform.

R290 Monobloc



EcoAqua Hydraulic Module – System Advantages

Premium Components

Premium pump, expansion tank, electric heater, 3-way valve Stable performance, long service life.

Compact Footprint, Tidy Plant Room

The space-saving design supports wall or corner installation, eliminating bulky foundations and extensive piping.

Easy Installation & Short Construction Time

Greatly reduces welding and manual work, shortens the construction period and minimizes human error.

Low Maintenance

The modular structure concentrates wear-prone parts on one side; simply open the access door to replace the pump or valves.



Model		WHY-EH03 I 12P2
Power Supply	V,Hz	220-240V~,50Hz
Rated Heating Capacity	kW	3.00
Rated Power input	kW	3.18
Rated Current	A	13.95
Waterproof Rating	/	IPX4
Insulation Class	/	Class
Water Pressure Drop	kPa	15.00
Min./Max.Water Pressure	Mpa	0.05/0.3
Water Inlet/Outlet Size	/	G1"
Net Weight	kg	36.00
Unit Dimensions	mm	700*510*250



Less on-site work, fewer installation errors.
Eliminates complex field piping.

Model		WLRK-6 I BM/B5	WLRK-8 I BM/B5	WLRK-10 I BM/B5	WLRK-12 I BM/B5	WLRK-14 I BM/B5	WLRK-12 II BM/B5	WLRK-14 II BM/B5	
Power supply	V/Ph/Hz	220V-240V/1/50Hz				380V-415V/3/50Hz			
Heating(A7W35)	Capacity	kW	6.0	8.1	10.1	11.9	14.1	12.0	13.9
	Rated Input	kW	1.3	1.8	2.2	2.6	3.0	2.5	3.0
	COP		4.76	4.47	4.65	4.61	4.67	4.70	4.61
Heating(A7W45)	Capacity	kW	6.0	8.1	10.2	12.1	14.0	12.1	14.1
	Rated Input	kW	1.6	2.3	2.7	3.3	3.8	3.3	3.8
	COP		3.74	3.58	3.71	3.63	3.67	3.70	3.72
Heating(A7W55)	Capacity	kW	6.0	8.1	10.2	12.1	13.9	12.1	14.0
	Rated Input	kW	2.0	2.7	3.3	4.0	4.6	4.0	4.5
	COP		3.00	2.95	3.10	3.01	3.00	3.05	3.07
Heating(A-7W35)	Capacity	kW	4.8	6.1	/	/	11.2	10.2	11.3
	Rated Input	kW	1.6	2.1	/	/	3.6	3.2	3.6
	COP		3.14	2.95	/	/	3.09	3.24	3.13
Cooling(A35W18)	Capacity	kW	6.9	9.0	11.2	12.9	15.2	13.2	15.0
	Rated Input	kW	1.8	2.5	2.8	3.7	4.6	3.7	4.6
	EER		3.93	3.59	3.90	3.47	3.30	3.55	3.28
Net Dimension(W*H*D)	mm	1200X470X765				1370x500x935			
Packing Dimension(W*H*D)	mm	1280x555x910				1440x575x1080			
Net Weight	kg	86.00	89.00	100.00	123.00	125.00	128.00	141.00	
Sound	dB	53.00	55.00	59.00	56.00	61.00	56.00	61.00	
Compressor	Brand	Highly	Highly	Highly	Highly	Highly	Highly	Highly	
Water Side Connection		G1"	G1"	G1"	G1"	G1"	G1"	G1"	
Refrigerant/Charge		R290/0.62	R290/0.70	R290/0.85	R290/0.98	R290/1.10	R290/0.98	R290/1.10	
Rated Water Flow	m³/h	1.02	1.38	1.72	2.06	2.40	2.06	2.40	
Control Mode	/	Heating , Cooling , DHW , Heating + DHW , Cooling + DHW							
Max.Outlet Water Temp.	°C	75	75	75	75	75	75	75	
Outdoor Air Temperature Range	Heating	°C	-20~43	-20~43	-20~43	-20~43	-20~43	-20~43	
	Cooling	°C	-7~48	-7~48	-7~48	-7~48	-7~48	-7~48	
	DHW	°C	-20~43	-20~43	-20~43	-20~43	-20~43	-20~43	
Water Setting Temperature Range	Heating	°C	25~70	25~70	25~70	25~70	25~70	25~70	
	Cooling	°C	12~26	12~26	12~26	12~26	12~26	12~26	
	DHW	°C	28~70	28~70	28~70	28~70	28~70	28~70	

Scenario Diagram

