



新一代
二合一除湿热泵

DEHUMIDIFICATION AND HEATING PUMP

QH



适用于私人泳池、高级会所泳池、酒店等新建及改造的室内泳池项目

Applicable to private swimming pool, senior club pool, hotel and other newly built and remodeled indoor swimming pool projects.

The product is a unified control device which integrates dehumidification, water heating, cooling, constant temperature, intelligent ventilation and precision control. The advanced intelligent ventilation control function can realize the function of ventilation control and the transition time ventilation control, maintaining high quality human body comfortable environment. Can be fully controlled indoor relative humidity of 50~75%, air temperature at 27~30℃, water temperature at 26~40℃, advanced intelligent ventilation control to maintain indoor high-quality human comfort.

Features: Five functions integrated design, pool space dehumidification, simultaneously recovering heat, heating air and water, and to achieve intelligent ventilation and precision adjustment function, compared with the traditional ventilation and dehumidification, the average cost savings between 40% to 60%.

产品是集除湿，池水加热，制冷，恒温，智能换气，精密控制为一体的一体化控制设备，先进智能化通风控制功能可实现通风次数控制及过渡季节通风量一键控制的功能，维持室内高品质的人体舒适环境。可充分将室内相对湿度控制在50~75%、空气温度控制在27~30℃、水温控制在26~40℃，先进的智能化通风控制维持室内高品质的人体舒适环境。

产品特点：五种功能整合的设计，泳池空间除湿，同时回收热量，加热空气和池水，并实现智能换气和精密调节功能，与传统的通风除湿相比，平均节约费用40%~60%。

Specification and size:

技术参数及产品尺寸

- Nominal working conditions: return air dry bulb temperature 28 ° C, relative humidity is 65%, outdoor dry bulb temperature is 32 ° C.
- Pool water conditions: the pool inlet temperature is 26 ° C, the pool outlet temperature is 28 ° C.
- Water coil cooler: The temperature of the cold water inlet and outlet water is 7 ° C / 12 ° C, and the temperature of the hot water inlet and outlet water is 60 ° C / 50 ° C.
- 名义工况：回风干球温度28℃，相对湿度为65%，室外干球温度为32℃。
- 泳池水工况：泳池进水温度为26℃，泳池出水温度为28℃。
- 水盘管表冷器：冷水进出水温度为7℃/12℃，热水进出水温度为60℃/50℃。

室内机部分 Indoor Unit Part

型号 Model		QH10G	QH15G	QH20G	QH25G	QH30G	QH40G	QH50G	QH60G
Max Cooling Capacity 最大制冷量	kw	17.8	23	32	37	45	60	72	85
Max Heating Capacity 最大制热量	kw	21.3	27	35	41	54	71	84	115
Dehumidification Capacity 除湿量	kg/h	10	15	20	25	30	40	50	60
Rated Air Volume 额定风量	m³/h	3000	3500	4000	4800	5500	7200	10000	12000
Fresh Air Volume 新风量	m³/h	0-1000	0-1150	0~1200	0~1440	0~1650	0~2250	0~3000	0~3600
Static Pressure 静压	pa	250	250	300	300	350	400	500	500
Pool Water Heating 制热量（泳池加热）	kw	25	27	38	42	58	80	91	112
Pool Water Cycle 池水循环	m³/h	6	7.2	8.5	9	11	15	18	21
Inlet/Outlet Pipe Size 进出水管管径	inch	DE50 Live joint 活接	DE50 Live joint 活接	DE50 Live joint 活接	DE50 Live joint 活接	DE50 Live joint 活接	DE50 Live joint 活接	DE50 Live joint 活接	DE75 Flange 法兰
Cooler Pipe Size(*MatchingAir) 表冷器水管管径(*选配)	inch	DN32 Male thread 外牙	DN32 Male thread 外牙	DN32 Male thread 外牙	DN32 Male thread 外牙	DN32 Male thread 外牙	DN32 Male thread 外牙	DN40 Male thread 外牙	DN40 Male thread 外牙
Condensate Drain Pipe Size 冷凝水排水管管径	inch	DE32 Inner teeth 内牙	DE32 Inner teeth 内牙	DE32 Inner teeth 内牙	DE32 Inner teeth 内牙	DE32 Inner teeth 内牙	DE32 Inner teeth 内牙	DE32 Inner teeth 内牙	DE32 Inner teeth 内牙
Power Type 电源		380V/3PH/50Hz							
Maximum medium input power 最大总输入功率	kw	6.7	7.73	9.5	10.08	13.82	20.02	24.75	27.05
Number Of Indoor Units 室内机数量	pcs	1	1	1	1	1	1	1	1
Indoor Unit Dimensions 室内机箱体尺寸 (mm)	长	2025	2025	2025	2025	2125	2125	2625	2625
	宽	1000	1000	1000	1000	1200	1200	1600	1600
	高	1805	1805	1805	1805	2105	2105	2405	2405
Weight 重量	kg	350	400	530	600	720	800	950	1150

室外机部分 Outdoor Unit Part

Power Type 电源		380V/3PH/50Hz							
Outdoor unit fan input total power 室外机风机输入总功率	kw	0.5	0.5	0.5	0.5	1	1	1	1.2×2
Outdoor Unit Dimensions 室外机外形尺寸 (mm)	长	775	775	1420	1420	1420	1420	1420	1420
	宽	760	760	760	760	760	760	760	760
	高	1040	1040	890	890	1040	1040	1475	1040
Number Of Outdoor Units 室外机数量	pcs	1	1	1	1	1	1	1	2
Connecting Pipe 连接铜管尺寸	mm	φ 12.7 φ 19	φ 12.7 φ 19	φ 16 φ 22	φ 16 φ 22	φ 28 φ 19	φ 28 φ 19	φ 28 φ 19	φ 28 φ 19
Weight 重量	kg	70	70	70	70	100	100	100	100