R290 Eco Friendly Natural Refrigerant

Refrigerant R32

MWTECH

PRODUCT CATALOG

2025

CONTENT

POWERFUL AND INNOVATIVE HEAT PUMP SOLUTIONS FOR A SUSTAINABLE FUTURE

With a vision focused on contributing to a sustainable future, MWTECH delivers environmentally friendly and energy-efficient solutions. We offer a comprehensive product range backed by a strong, customized production capacity, adding value with our technical expertise in environmental control systems, product R&D, installation, and applications. Committed to minimizing environmental impact, we work to develop sustainable solutions tailored to meet the needs of our partners through innovative technologies.

ENERGY SAVINGS

IF YOU HAVE A NEW LOW-ENERGY BUILDING

For newly constructed, energy-efficient buildings, MWTECH Heat Pumps offer optimized capacity options that help reduce installation costs while ensuring high performance.

IF YOU WANT TO RENOVATE OLD BUILDINGS FOR ENERGY SAVINGS

Looking to upgrade old buildings for better energy efficiency? MWTECH Heat Pumps seamlessly integrate with existing systems like boilers or solar water heaters, enhancing energy performance and adding value to your property. Our solutions simplify the installation process, resolving compatibility issues between different units.

IF YOU NEED BOTH HEATING AND COOLING

If you require both heating and cooling, MWTECH Heat Pumps provide a versatile and energy-efficient solution tailored to your needs.

IF YOUR INSTALLATION CONDITIONS ARE SUITABLE

In suitable installation conditions, MWTECH ground-source heat pumps are the ultimate choice for maximum efficiency and long-term savings.

Design That Harmonizes Safety and Comfort

R290 SERIES

Full DC Inverter Technology
Full DC inverter technology ensures heating and domestic hot water efficiency, even in extremely cold climates. Energy savings and system efficiency are significantly enhanced.

DC Inverter Compressor
The DC inverter compressor reduces power consumption and noise while greatly increasing transfer efficiency. Precise adjustments provide additional energy savings.

DC Inverter Water Pump
The PWM control module allows the water pump to adapt efficiently to indoor conditions for energy efficiency. Sensors monitor water flow, optimizing the unit's performance.

Hydraulic Station Compatibility
Hydraulic stations compatible with R290 refrigerant offer easy installation. Tank options of 200L and 300L are available.

Self-Adaptive Defrosting Technology
Equipped with self-adjusting defrosting technology for optimal efficiency in various climates. The patented system maximizes power efficiency.

Super High Efficiency A+++
With R290 refrigerant and inverter technology, it achieves A+++ energy efficiency, reducing energy costs and greenhouse gas emissions.

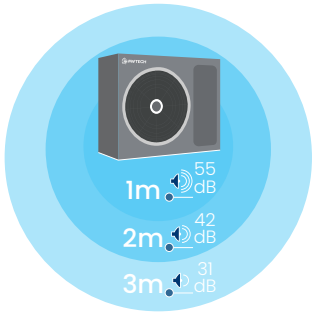
Shock Absorption and Noise Reduction Technology
Full DC inverter technology ensures heating and domestic hot water efficiency, even in extremely cold climates. Energy savings and system efficiency are significantly enhanced. A dual-stage vibration and isolation system minimizes compressor vibration and noise, enabling quieter operation.

Soundproofing
The cabinet is wrapped with special materials for sound insulation, reducing wind and compressor noise to a minimum.

Installation Tips
Monobloc heat pumps can be easily installed as replacements for gas (oil) boilers. They are suitable for heating, cooling, and hot water supply.

Remote Control
With Wi-Fi capability, the heat pump can be controlled remotely from anywhere, offering users added convenience.

SG Ready
The heat pump connected to the smart grid offers optimized power consumption based on load values. It can operate in integration with PV panels.



GWP Global Warming Potential

Why is MWTECH R290 environmentally friendly?

Natural refrigerants are increasingly used in our daily lives, offering eco-friendly solutions. R290 is a refrigerant gas with an exceptionally low global warming potential (GWP*) of only 3, making it an environmentally responsible choice. Thanks to its low environmental impact, R290 can provide high-temperature water output up to 75°C while operating seamlessly in outdoor temperatures ranging from -25°C to +46°C. This wide operating range ensures ideal performance across diverse climate conditions.

MWTECH R290 Heat Pump:

Efficiency and Comfort in Every Season

MWTECH R290 heat pumps combine Full DC Inverter technology with eco-friendly R290 refrigerant to deliver A+++ energy efficiency, ensuring optimal heating, cooling, and hot water performance even in extreme climates. Features like self-adaptive defrosting, multi-layer noise reduction, and a dual-stage vibration system guarantee quiet operation. With smart integration options such as SG-ready functionality and Wi-Fi remote control, it offers unmatched convenience. Easy to install and compatible with hydraulic stations, it reduces energy costs while minimizing environmental impact.

Elevate your comfort sustainably with MWTECH R290.

MWTECH - R290 FULL DC INVERTER HEATING&COOLING&HOT WATER HEAT PUMP (THREE PHASE - MONO PHASE) PARAMETER LIST

Model		MW06S-M	MW08S-M	MW10S-M	MW12S-M	MW12T-M	MW15S-M	MW15T-M	MW22T-M
Heating Condition - Ambient Temp. 7°C, Water Temp. 35°C									
Heat Output Range		2.1~6.5	2.9~9.5	2.8~8.5	3.8~12.2	3.8~12.2	4.9~15.2	4.9~15.2	5.28~22.1
Rated Heat Output	kW	5.6	6.9	7.2	8.6	8.6	12.8	12.8	18.5
Rated Power Consumption	kW	1.1	1.4	1.5	1.8	1.8	2.6	2.6	3.9
COP		5.1	4.9	4.8	4.8	4.8	4.9	4.9	4.8
Heating Condition - Ambient Temp. -7°C, Water Temp. 35°C									
Heat Output	kW	4.9	6.3	6.7	8.2	8.2	11.6	11.6	16.2
Power Consumption	kW	1.3	1.8	2.0	2.5	2.5	3.3	3.3	4.9
COP		3.7	3.5	3.4	3.3	3.3	3.5	3.5	3.3
Heating Condition - Ambient Temp. 7°C, Water Temp. 55°C									
Heat Output Range		1.82~5.8	2.47~6.6	2.57~7.6	3.8~12.2	3.8~12.2	4.9~15.2	4.9~15.2	5.28~22.1
Rated Heat Output	kW	4.7	6.3	6.8	8.3	8.3	12.2	12.2	18.1
Rated Power Consumption	kW	1.5	2.0	2.3	2.7	2.7	3.9	3.9	5.9
COP		3.1	3.1	3.0	3.1	3.1	3.0	3.0	3.1
Heating Condition - Ambient Temp. -7°C, Water Temp. 55°C									
Heat Output	kW	4.3	5.9	6.2	7.8	7.8	10.8	10.8	14.4
Power Consumption	kW	1.6	2.1	2.6	3.1	3.1	4.3	4.3	6.3
COP		2.7	2.8	2.4	2.5	2.5	2.5	2.5	2.3
Cooling Condition - Ambient Temp. 35°C, Water Temp. 18°C									
Cool Output Range	kW	1.82~5.2	2.22~6.2	2.29~7.1	3.87~10.6	3.87~10.6	5.45~14.7	5.45~14.7	5.63~20.6
Rated Cool Output	kW	5.2	6.2	7.1	10.6	10.6	14.7	14.7	19.3
Rated Power Consumption	kW	1.6	1.9	2.4	3.3	3.3	4.3	4.3	6.2
EER		3.3	3.3	3.0	3.2	3.2	3.4	3.4	3.1
Pdesingh(35°C)	kW	5.0	7.0	7.0	9.0	9.0	12.0	12.0	18.0
Energy Efficiency nsh(35°C)		181%	186%	186%	184%	185%	186%	186%	185%
ErP Level (35°C)		A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
Pdesingh(55°C)	kW	5.0	6.0	6.0	9.0	9.0	12.0	12.0	18.0
Energy Efficiency nsh(55°C)		137%	144%	143%	144%	145%	143%	144%	142%
ErP Level (55°C)		A++	A++	A++	A++	A++	A++	A++	A++
Sound Power Level	dB(A)	57	56	58	60	59	60	58	64
Sound Pressure Level at 1m	dB(A)	44	42	43	45	45	45	43	49
Power Supply		230V/50Hz						400V/3N~50Hz	
Max Operating Current	A	9	12	14	18	10.5	25	11.5	15
Nominal Air Flow	m3/h	2700	2900	3000	3350	3350	5500	5500	8000
Compressor		Twin Rotary							
Condenser		Plate Heat Exchanger							
Circulating Pump		Inverter							
Max Outlet Heating Medium Temperature	°C	75							
Pipe Connector	inch	G1"							
Refrigerant R290 Filing Weight	kg	0.6	0.72	0.72	0.80	0.80	1.15	1.15	1.36
Dimensions (HxWxD)	mm	850x1060x420		1014x1060x420			1370x1060x420		1565x420x1060
Net Weight	kg	92	106	106	112	112	132		170
Operating Ambient Temp. Range	°C	Heating:-25~46 DWH:-25~46 Cooling: 10~46							

The above data is tested by EN14511:2022. A7/W35°C means air temp. 7°C, outlet water temp. 35°C

The ERP data is tested by EN14825: 2022.

The sound power level is tested by EN 12102: 2022.

EVI Inverter Technology
EVI technology ensures smooth operation of the compressors at low temperatures, guaranteeing high temperature water production even in cold climates. In this way, heat pump capacity can be increased by up to 30% in cold environments.

Climate Compensation Curve
The heat pump automatically sets the target temperature by monitoring the outdoor temperature. Users can personalize their comfort level by setting the compensation coefficient.

Circulation Pump PWM Control
Thanks to PWM control, the energy consumption of circulation pumps is optimized, preventing unnecessary energy loss and providing more precise temperature control. In addition, system reliability is increased by automatically detecting water flow.

Backup Boiler Control
Mwtech heat pumps can be integrated with existing electric heaters or gas boilers to be used as a source of supply in extremely cold weather conditions.

AC/DHW Timer
Users can program AC and domestic hot water (DHW) demands separately for each day of the week, meeting their heating needs more accurately and flexibly.

Heating Capacity Monitoring
By measuring real-time heating capacity, the heat pump provides the user with a clear indication of energy savings and performance monitoring.

Triple Noise Reduction Structure
Noise from the compressor and fan motor is minimized thanks to the three-stage reduction system and EC fan motors, ensuring compliance with noise regulations in the European and Turkish markets.

Solar PV / Smart Electricity Meter Integration
With the SG-ready function, heat pumps support grid stability and optimize electricity costs, allowing users to save energy.

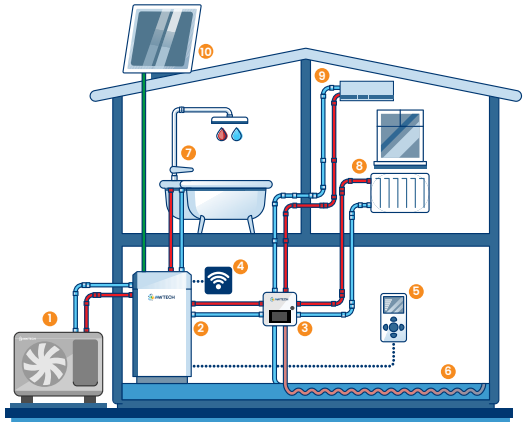
Modbus - Building Management System/BMS
With the RS485 port, Mwtech heat pumps can be integrated into the Building Management System (BMS), allowing remote control and monitoring.

Anti-Legionella Program
Against bacteria that may form in the DHW tank over time, the electric heater is periodically activated to provide sterilization and provide a hygienic environment.

User/Service Parameters
Parameters are separated into user and service, preventing incorrect settings and making it easier for users to monitor system performance.

Automatic Optimized Defrost
Intelligent defrost optimization analyzes defrosting processes to prevent unnecessary energy loss, activating only when necessary.

1. MWTECH OUTDOOR UNIT
2. TANK INTEGRATED HYDRO UNIT
3. MWTECH CONTROL UNIT
4. WIFI
5. REMOTE CONTROL
6. FLOOR HEATING
7. HOT WATER
8. RADIATOR
9. FAN COILS
10. SOLAR COLLECTOR



Why choose MWTECH R32?

R32 is the obvious choice for anyone looking for a refrigerant with a low global warming potential (GWP) and high energy efficiency. Its GWP is much lower than previous refrigerants.

This reduces its impact on the environment. Its high energy efficiency allows heat pumps to deliver more performance with less energy consumption. It also operates efficiently at low temperatures, reducing maintenance costs and enabling more efficient system design. R32 is an ideal option for users looking for environmentally friendly and sustainable solutions.

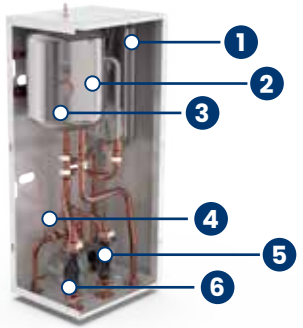
MWTECH R32 Heat Pump:

Setting a New Standard in Efficiency

MWTECH R32 heat pumps leverage advanced EVI technology to ensure high performance even in cold climates, boosting capacity by up to 30%. Features like Climate Compensation Curve, AC/DHW scheduling, and automatic defrost optimize energy consumption while PWM-controlled circulation pumps and a triple noise reduction system enhance comfort. With Solar PV integration and SG-ready functionality, it promotes sustainability and integrates seamlessly into Building Management Systems via Modbus. The Anti-Legionella program ensures hygiene, while backup heater control guarantees uninterrupted heating in extreme cold.

Experience the future of heating solutions with MWTECH.

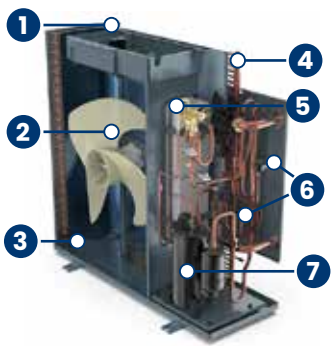
MWTECH - R32 SPLIT EVI INVERTOR HOUSE HEATING&COOLING&HOT WATER HEAT PUMP (TRİ PHASE -MONO PHASE) PARAMETER LIST				
Model	MW08SE-S(O)/MW08SE-S(I)	MW08SE-200S(I)	MW012SE-S(O)-MW012SE-S(I)	MW012SE-200S(I)
Heating Condition: Ambient: (DB/WB) 7°C/6°C; Inlet/Outlet: 30°C/35°C.				
Heating Capacity(kW)	7,55	7,55	11,15	11,15
Power Input(kW)	1,750	1,750	2,700	2,700
Heating Condition: Ambient: (DB/WB) 2°C/1°C; Inlet/Outlet: 30°C/35°C.				
Heating Capacity(kW)	6,59	6,59	9,69	9,69
Power Input(kW)	1,76	1,76	2,6	2,6
Heating Condition: Ambient: (DB/WB) -7°C; Inlet/Outlet: 30°C/35°C.				
Heating Capacity(kW)	4,72	4,72	8,45	8,45
Power Input(kW)	1,73	1,73	2,69	2,69
Heating Condition: Ambient: (DB/WB) -10°C; Inlet/Outlet: 30°C/35°C.				
Heating Capacity(kW)	5,05	5,05	8,11	8,11
Power Input(kW)	1,89	1,89	2,74	2,74
Heating Condition: Ambient: (DB/WB) -15°C; Inlet/Outlet: 30°C/35°C.				
Heating Capacity(kW)	4,96	4,96	6,43	6,43
Power Input(kW)	2,09	2,09	2,78	2,78
Heating Condition: Ambient: (DB/WB) 7°C/6°C; Inlet/Outlet: 50°C/55°C.				
Heating Capacity(kW)	8,13	8,13	11,81	11,81
Power Input(kW)	2,09	2,09	2,78	2,78
Heating Condition: Ambient: (DB/WB) 7°C/6°C; Inlet/Outlet: 50°C/55°C.				
Heating Capacity(kW)	8,13	8,13	11,81	11,81
Power Input(kW)	2,77	2,77	4,00	4,00
Cooling Condition: Ambient: (DB/WB) 35°C / -; Inlet/Outlet: 12°C/7°C.				
Cooling Capacity(kW)	4,78	4,78	5,10	5,10
Power Input(kW)	1,77	1,77	2,22	2,22
General Info				
ErP Level (35°C)	A+++			
ErP Level (55°C)	A++			
DHW Circulation Pump	Grundfos as standard			
Heating Circulation Pump	YES			
Climate Heating Compensation Curve	YES			
SG Ready	YES			
PWM Water Pump Flow Rate Control	YES			
Back-up Boiler Control	YES			
WiFi Control	YES			
Aux. Electric Heater (kW)	2,5			
Heating Operation Range (°C)	-25°C~35°C			
Cooling Operation Range (°C)	10°C~45°C			
DHW Operation Range (°C)	-25°C~35°C			
Max Water Temperature (°C)	55			
Pipe Connector	G1" External Thread			
Power Supply	220-240V/1phase/50Hz or 380-415V/3phase/50Hz			
Water Tank Volume (indoor Unit)	-	200L	-	200L
Nominal Running Current at A7/W35 Outdor/Inddor Unit	6.20/0.27	6.20/0.27	10.90/0.48	10.90/0.48
Max. Running Current Outdor/Inddor Unit (A)	11.70/11.60	11.70/11.60	16.0/11.6	16.0/11.6
Max. Power Input Outdor/Inddor Unit (kW)	2.70/2.62	2.70/2.62	4.00/2.62	4.00/2.62
Rated Water Flow Rate (m^3/h)	1,17	1,17	1,85	1,85
Nominal Fan Motor Ourtput (W)	110	110	110	110
Refrigerant	R32/1.3 kg	R32/1.3 kg	R32/1.9 kg	R32/1.9 kg
Net Weight Outdor/Inddor Unit (kg)	78/31	78/31	80/32	80/32
Sound Power Level LWA	59	59	62	62



Hydraulic Station (Wall Type)

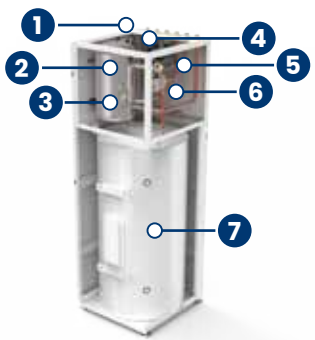
Model	MW-HS03S(I)	MW- HS09T(I)
Power Supply	230V50Hz	400V/3N~/50Hz
Buffer Tank	18L	18L
Expansion Tank	8L	8L
Primary Pump	Standard Distribution	Standard Distribution
Secondary Pump	Standard Distribution	Standard Distribution
3-Way Valve	Standard Distribution	Standard Distribution
Heating Aux Heater	3kW	9kW
Wifi Module	Standard Distribution	Standard Distribution
Touch Screen	6"	6"
Heating Water Connection	G1"	G1"
DHW Connection	G1"	G1"
Size WxDxH	450x360x950	450x360x950

❶ Expansion Tank ❷ Buffer Tank ❸ Heating Aux Heater
❹ 3-Way Valve ❺ Secondary Pump ❻ Primary Pump



Heat Pump

❶ Inverter/Control Board
❷ DC Fan Motor
❸ Integration Tray & Tray Heater
❹ Magnetic Air & Dirt Separator
❺ Plate Heat Exchanger
❻ Heating/Cooling Separate EEV
❼ Dual Rotary Compressor



Hydraulic Tower

Model	MW-200HT03S(I)	M-200HT09T(I)
Power Supply	230V50Hz	400V/3N~/50Hz
DHW Tank	200L	200L
Buffer Tank	26L	26L
Expansion Tank	8L	8L
Primary Pump	Standard Distribution	Standard Distribution
Secondary Pump	Standard Distribution	Standard Distribution
3-Way Valve	Standard Distribution	Standard Distribution
Heating Aux Heater	3kW	9kW
Wifi Module	Standard Distribution	Standard Distribution
Touch Screen	6"	6"
Heating Water Connection	G1"	G1"
DHW Connection	G3/4"	G3/4"
Size WxDxH	665x655x1870	665x655x1870

❶ Expansion Tank ❷ Buffer Tank ❸ Heating Aux Heater
❹ Primary Pump ❺ Secondary Pump ❻ 3-Way Valve
❼ DHW Tank

R290 SERIES

MWTECH R290 Monobloc

MW06S-M	MW08S-M	MW10S-M	MW12S-M	MW12T-M
6 KW	8 KW	10 KW	12 KW	12 KW

MWTECH R290 Monobloc

MW15T-M	MW22T-M
15 KW	22 KW

R32 SERIES

R32 Split W/0 DHW Tank

MW08SE-S(O)/MW08SE-S(I)	MW08SE-200S(I)
8 KW	8 KW
DHW Tank: 200 L	

R32 Split with DHW Tank

MW012SE-S(O)/MW012SE-S(I)	MW012SE-200S(I)
12 KW	12 KW

HYDRAULIC UNITS

Hydraulic Tower Multifunction Tank

MW-200HT03S(I)	MW-200HT09T(I)
Buffer Tank: 26 L	
DHW Tank: 200 L	

Hydraulic Module DHW Tank

MW-HS03S(I)	MW-HS09T(I)
Buffer Tank: 18 L	

MWTECH M-SOFT

Quiet, Efficient, and Smart Heating Solution

MWTECH M-Soft is an innovative heat pump designed for swimming pools. Equipped with WindPlus and IdealFlow technologies, it maximizes energy efficiency while ensuring quiet and stable operation. With ultra-pure titanium and precision engineering, it delivers optimal heat transfer and minimal energy loss.

Its patented sleek design and Wi-Fi-enabled smart control system cater to modern users, offering reliable performance between -7°C and 43°C for a comfortable swimming experience in all conditions. Automatic protection functions enhance its durability, making it a long-lasting and dependable solution.

For a quiet, efficient, and smart pool heating experience, MWTECH M-Soft has everything you need.

MW Pool 06	MW Pool 09	MW Pool 12
6kW	9kW	12kW
MW Pool 14	MW Pool 16	MW Pool 18
14kW	16kW	18kW

MWTECH M-SOFT POOL PUMP

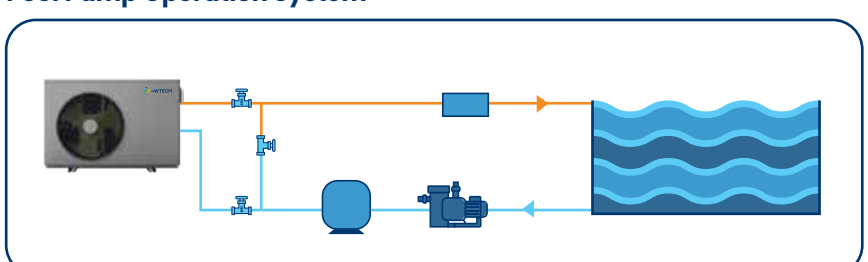
Model		PF	MW Pool 06	MW Pool 09	MW Pool 12
Refrigerant		/	R32/R410A		
Power Supply		/	220-240V~/50Hz&60Hz		
Air 27°C	Heating Capacity	kw	6.23	9.44	12.43
Water 26°C	Power Input	kw	0.99	1.49	1.95
Humidity 80%	COP	W/W	6.29	6.34	6.37
Air 15°C	Heating Capacity	kw	4.55	7.03	8.70
Water 26°C	Power Input	kw	0.95	1.46	1.78
Humidity 70%	COP	W/W	4.79	4.82	4.89
Operating Air Temperature		°C	-7~43		
Advised Pool Volume		m3	10~25	20~40	25~55
Sound Level	at 1m	dB(A)	47.2	49.4	51.5
	at 10m	dB(A)	27.2	29.4	31.5

Model		PF	MW Pool 14	MW Pool 16	MW Pool 18
Refrigerant		/	R32/R410A		
Power Supply		/	220-240V~/50Hz&60Hz		
Air 27°C	Heating Capacity	kw	14.20	16.32	18.25
Water 26°C	Power Input	kw	2.27	2.63	2.99
Humidity 80%	COP	W/W	6.26	6.21	6.10
Air 15°C	Heating Capacity	kw	10.55	11.24	13.23
Water 26°C	Power Input	kw	2.21	2.38	2.77
Humidity 70%	COP	W/W	4.77	4.72	4.78
Operating Air Temperature		°C	-7~43		
Advised Pool Volume		m3	35~60	35~65	40~70
Sound Level	at 1m	dB(A)	53.1	54.0	55.2
	at 10m	dB(A)	33.1	34.0	35.2

M-SOFT Outdoor Unit

1. Fin Heat Exchanger
2. Kaibang(Gree) Fan Motor
3. Control Board
4. 4-Way Valve
5. Electronic Expansion Valve
6. Titanium Heat Exchanger
7. GMCC Compressor

Pool Pump Operation System



WindPlus Technology

WindPlus technology used in our swimming pool heat pumps is designed by analyzing the fan blade shapes and air duct structure by simulation. Thanks to this technology, air flow rate, wind pressure and flow area are balanced and heat pumps achieve the lowest noise level and highest heat exchange efficiency.

High Performance

M-Soft saves energy and reduces costs with a COP 20-30% higher than conventional ON/OFF heat pumps.

Advanced Protection

Automatic protection functions extend the life of the device by detecting and preventing malfunctions.

Stable Operation

It offers constant performance from -7 °C to 43 °C, ensuring a consistently comfortable swimming environment.

Low Noise

With advanced technology, it minimizes the noise level and offers a quiet usage experience.

Aesthetic Design

The patented design uses few screws and has a stylish and practical appearance.

Smart Control

It meets modern user needs by providing remote control and temperature adjustment with its Wi-Fi enabled app.

MWTECH AQUA PRO

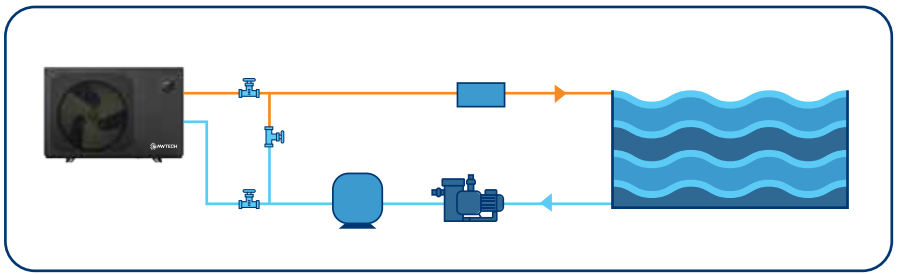
High-Performance and Smart Pool Heating Solution

MWTECH Aqua Pro sets a new standard in pool heating technology. Powered by WindPlus and IdealFlow technologies, it delivers exceptional heating performance even in low temperatures, achieving a COP of up to 18 for unmatched energy efficiency.

With intelligent defrost technology, Aqua Pro quickly eliminates frost, ensuring stable operation. Its quiet performance creates a comfortable swimming environment, while the sleek, screwless design offers both elegance and durability. The Wi-Fi-enabled smart control system allows you to manage the device remotely, providing a modern and seamless user experience.

Aqua Pro is the perfect heating solution, combining superior performance and user-friendly features for your pool.

Pool Pump Operation System



WindPlus Technology

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Superior Performance

Pioneer operates more efficiently than conventional ON/OFF and inverter systems, with high heating capacity at low temperatures and a COP of over 5.

Smart Defrost

Special defrosting technology quickly defrosts the frost and ensures stable operation of the appliance.

Quiet Operation

The noise level is as low as a refrigerator, providing a quiet and comfortable swimming environment.

Stylish and Durable Design

Its screwless and elegant structure offers both aesthetic and easy installation and use.

Smart Control

It meets modern user needs by providing remote control and temperature adjustment with its Wi-Fi enabled app.

MW Pool 05 Pro	MW Pool 07 Pro	MW Pool 09 Pro	MW Pool 011 Pro	MW Pool 13 Pro	MW Pool 15 Pro	MW Pool 18 Pro	MW Pool 21 Pro
5kW	7kW	9kW	11kW	13kW	15kW	18kW	21kW
MW Pool 25 Pro	MW Pool 28 Pro	MW Pool 32 Pro	MW Pool 21T Pro	MW Pool 25T Pro	MW Pool 28T Pro	MW Pool 32T Pro	MW Pool 40T Pro
25kW	28kW	32kW	21kW	25kW	28kW	32kW	40kW

MWTECH AQUA PRO POOL PUMP

Model		PF	MW Pool 05 Pro	MW Pool 07 Pro	MW Pool 09 Pro	MW Pool 11 Pro	MW Pool 13 Pro	MW Pool 15 Pro	MW Pool 18 Pro	MW Pool 21 Pro
Refrigerant		/	R32/R410A							
Power Supply		/	220-240V~/50Hz&60Hz							
Air 27°C	Heating Capacity	kw	1.63~5.52	1.80~7.20	1.99~9.45	2.91~11.46	3.25~13.15	3.54~15.52	4.52~18.30	4.73~21.30
Water 26°C	Power Input	kw	0.09~0.86	0.10~1.09	0.11~1.44	0.16~1.79	0.18~2.08	0.20~2.46	0.25~2.89	0.27~3.35
Humidity 80%	COP	W/W	18.11~6.42	18.00~6.61	18.09~6.56	18.19~6.40	18.06~6.32	17.70~6.31	18.08~6.33	17.52~6.36
Air 15°C	Heating Capacity	kw	1.01~3.81	1.42~5.50	1.68~7.34	2.33~8.53	2.60~9.66	2.78~11.39	3.55~13.22	3.63~14.50
Water 26°C	Power Input	kw	0.12~0.73	0.17~1.04	0.20~1.38	0.28~1.59	0.32~1.86	0.33~2.10	0.43~2.48	0.42~2.77
Humidity 70%	COP	W/W	8.42~5.22	8.35~5.29	8.40~5.32	8.32~5.36	8.13~5.19	8.42~5.42	8.26~5.33	8.64~5.23
Operating Air Temperature		°C	-10~43							
Advised Pool Volume		m3	10~20	15~30	20~40	25~50	30~60	35~65	40~75	50~90
Fan Motor		/	DC							
Sound Level	at 1m	dB(A)	34.5~43.7	34.8~44.7	35.6~46.3	36.3~47.2	38.0~48.3	38.4~48.8	39.8~49.4	40.5~50.8
	at 10m	dB(A)	14.5~23.7	14.8~24.7	15.6~26.3	16.3~27.2	18.0~28.3	18.4~28.8	19.8~29.4	20.5~30.8

Model		PF	MW Pool 25 Pro	MW Pool 28 Pro	MW Pool 32 Pro	MW Pool 21T Pro	MW Pool 25T Pro	MW Pool 28T Pro	MW Pool 32T Pro	MW Pool 40T Pro
Refrigerant		/	R32/R410A							
Power Supply		/	220-240V~/50Hz&60Hz			380-415V/3N~/50Hz&60Hz				
Air 27°C	Heating Capacity	kw	5.39~25.29	5.77~28.44	6.95~31.71	4.74~21.32	5.42~25.28	5.75~28.43	6.94~31.73	8.88~45
Water 26°C	Power Input	kw	0.30~3.95	0.32~4.51	0.38~5.05	0.27~3.36	0.30~3.94	0.32~4.49	0.38~5.04	0.50~6.42
Humidity 80%	COP	W/W	17.97~6.40	18.03~6.31	18.29~6.28	17.56~6.35	18.07~6.42	17.97~6.33	18.26~6.30	17.76~6.25
Air 15°C	Heating Capacity	kw	3.67~17.41	4.38~18.79	4.75~22.02	3.65~14.51	3.66~17.43	4.40~18.80	4.73~22.04	6.01~28.70
Water 26°C	Power Input	kw	0.44~3.34	0.52~3.36	0.58~4.20	0.42~2.79	0.44~3.33	0.52~3.35	0.58~4.19	0.74~5.62
Humidity 70%	COP	W/W	8.34~5.21	8.42~5.59	8.19~5.24	8.69~5.20	8.32~5.23	8.46~5.61	8.16~5.26	8.12~5.11
Operating Air Temperature		°C	-10~43							
Advised Pool Volume		m3	55~100	65~110	70~120	50~90	55~100	65~110	70~120	90~150
Fan Motor		/	DC							
Sound Level	at 1m	dB(A)	40.8~51.6	41.2~52.1	42.3~52.5	40.5~50.8	40.8~51.6	41.2~52.1	42.3~52.5	43.1~53.8
	at 10m	dB(A)	20.8~31.6	21.2~32.1	22.3~32.5	20.5~30.8	20.8~31.6	21.2~32.1	22.3~32.5	23.1~33.8

AQUA PRO Outdoor Unit

1. Fin Heat Exchanger
2. DC Fan Motor
3. Inverter/Control Board
4. 4-Way Valve
5. Electronic Expansion Valve
6. Titanium Heat Exchanger
7. Inverter Compressor

Why the MWTECH heat pump?

Use Nature's Energy

Heat pumps provide free and unlimited energy by using air, soil and water from nature. It offers an environmentally friendly and innovative solution by eliminating the need for fossil fuels.

Low Emissions, High Environmental Friendliness

It produces low emissions compared to other heating systems. When used with solar energy, it reaches almost zero emission value.

Modern Technology and Remote Control

Heat pumps operate automatically according to the outside temperature and can be controlled remotely. It meets all comfort needs such as heating, cooling and hot water together.

High Efficiency, Low Cost

Saves up to 75% thanks to low electricity consumption. It offers both an economical and sustainable solution by reducing usage costs.

As MWTECH, we combine technology and environment in heat pumps and offer energy saving and climate-friendly solutions of the future.

MWTECH

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