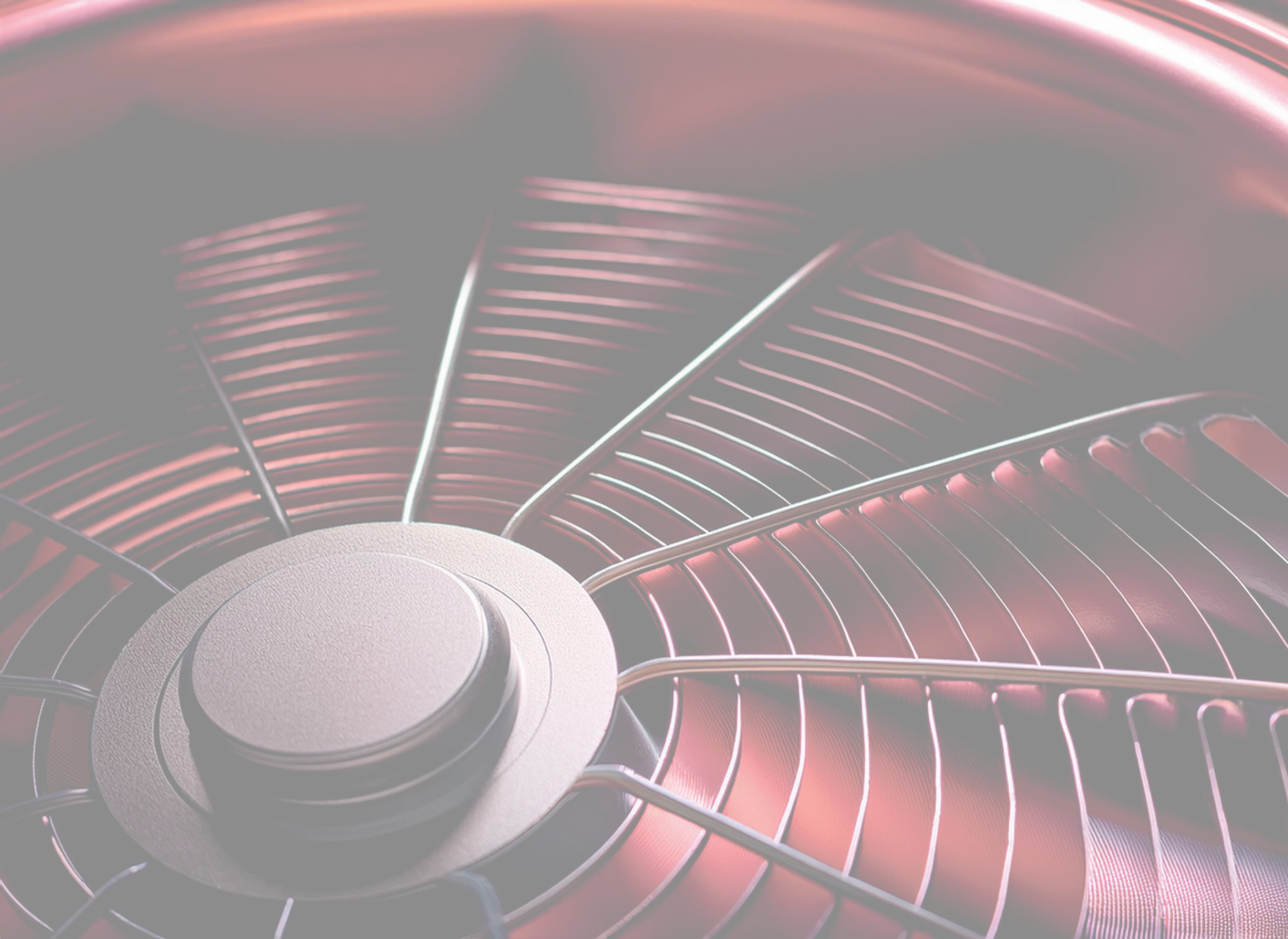




VARMEKS
H E A T P U M P S

VARMEKS



THE NEW THERM CON

01-02

COMPANY

03-04

VARM UP SERIES

05-06

VARM BOOST SERIES

07-08

VARM COMMERCIAL DUO SERIES

09-10

VARM COMMERCIAL POOL SERIES

11-12

VARM SILENT POOL SERIES

13-14

VARM ALL SERIES

15

IoT CUSTOMER MANAGEMENT PLATFORM

16

CONTACT

COMPANY

COMPANY

VARMEKS HEAT PUMPS WARM UP SERIES

The Varm Up Series EVI DC Inverter heat pumps efficiently meet heating, cooling, and hot water needs. With R32 refrigerant and EVI technology, they operate reliably down to -30°C .

Thanks to Wi-Fi and IoT support, the system can be easily controlled remotely. The 0.1°C temperature precision and colorful LCD panel provide a user-friendly experience. With high COP and SCOP values, it ensures excellent energy efficiency. Its durable design guarantees long-lasting performance.

The Varm Up Series combines comfort, innovation, and efficiency.



-30°C Operating Temperature



IoT Cloud Platform



High SCOP Values



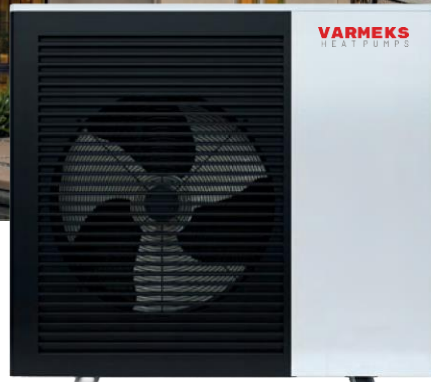
Remote Control via Wi-Fi



Heating and Cooling Mode



Panasonic Compressor



Varmeks Model		VM-OMB1112008	VM-OMB1112013	VM-OMB1112016	VM-OMB1112018	VM-OMB3112023	VM-OMB3112028	VM-OMB3112035
Power Supply		230V/1Ph/50-60Hz	230V/1Ph/50-60Hz	230V/1Ph/50-60Hz	230V/1Ph/50-60Hz	380V/3Ph/50-60Hz	380V/3Ph/50-60Hz	380V/3Ph/50-60Hz
Circulation Pump		Shimge DC Pump	Shimge DC Pump	Shimge DC Pump	Shimge DC Pump	Shimge DC Pump	AWMT	AWMT
Heating	Heating Capacity Range (kW)	1.57~8.40	4.40~13.00	5.8~15.5	5.9~18.2	7.5~23.0	10.2~28.0	12.8~35.0
	Heating Input Range (kW)	0.32~1.87	0.90~3.02	1.22~3.66	1.20~4.11	1.61~5.38	2.17~6.56	2.71~8.19
	Current Range (A)	1.42~8.30	4.12~13.8	5.58~16.57	5.49~18.8	4.23-14	5.71-17.50	7.13-21.55
	COP Range	4.49~4.91	4.30~4.90	4.23~4.75	4.43~4.92	4.28~4.66	4.27~4.70	4.27~4.72
Cooling	Cooling Capacity Range (kW)	0.99~6.22	2.80~8.20	5.5~11.0	3.81~11.53	4.73~14.6	6.54~19.8	8.13~24.6
	Cooling Input Power (kW)	0.29~2.18	0.85~3.31	1.67~3.99	1.11~4.05	1.47~5.29	2.02~7.17	2.52~8.95
	Current Range (A)	1.28~9.67	3.89~15.1	7.64~18.26	5.08~18.5	3.86-13.9	5.31-18.86	6.63-23-55
	EER Range	2.85~3.41	2.48~3.29	2.76~3.29	2.85~3.43	2.76~3.22	2.76~3.24	2.75-3.23
DHW	Heating Capacity Range (kW)	1.28~6.81	3.52~10.50	8.2~13.6	4.80~14.72	6.1~18.5	12.3~20.4	13.6~22.6
	Heating Input Range (kW)	0.31~2.13	0.88~3.39	1.91~3.68	1.17~4.60	1.61-6.12	2.9~5.57	3.19~6.15
	Current Range (A)	1.38~9.45	4.03~15.5	8.74~16.74	5.35~21.1	4.23-16.1	7.63-14.65	8.39-16.18
	COP Range	3.2~4.1	3.1~4.0	3.7~4.3	3.2~4.1	3.0-3.7	3.6~4.2	3.6~4.2
Refrigerant		R32 (GWP only 1/3 of R410a)						
Working Area		-30~43 °C						
Water Circulation (m³/h)		1,4	2,2	2,7	3,1	3,9	4.8	6.0
Water Pressure Drop (kPa)		31	25	35	35	45	50	55
IP Grade (Level of Protection)		IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Anti-Electric Shock Rate		I	I	I	I	I	I	I
Noise dB(A) at 1m		≤53	≤55	≤57	≤57	≤57	≤59	≤59
Net Weight/Gross Weight (kg)		110/120	140/150	135/145	170/180	165/175	220/230	240/250
Diameter of Pipe (mm)		DN25	DN25	DN25	DN25	DN25	DN32	DN32
Body Size (W*D*H) (mm)		970×475×835	1100×475×985	1080×480×1060	1050×480×1330	1050×480×1380	1160×500×1580	1160×500×1580
Packing Size (W*D*H } Carton)		1028×520×974	1120×515×1108	1100×490×1210	1100×530×1470	1100×490×1510	1200×510×1720	1200×510×1720
Packing Size (W*D*H } Polywood)		1048×520×974	1140×515×1110	1140×520×1220	1120×530×1470	1120×520×1520	1230×540×1730	1230×540×1730
Compressor Brand		Panasonic						
Four-Way Valve		Sanhua						
Expansion Valve		Sanhua						
Operating Water Temp. (°C) DHW		9~60 °C		28~55 °C	9~60 °C	28~55 °C		
Operating Water Temp. (°C) Heating		9~55 °C		15~55 °C	9~55 °C	15~55 °C		
Operating Water Temp. (°C) Cooling		7~35 °C		7~30 °C	7~35 °C	7~30 °C		
Testing condition: Heating: Inlet water temp. 30 °C, Outlet water temp. 35 °C, Dry bulb temp. 7 °C, Wet bulb temp.6 °C. Cooling:Inlet water temp. 12 °C, Outlet water temp. 7 °C, Dry bulb temp. 35 °C, Wet bulb temp. 24 °C. DHW: Inlet water temp. 15 °C, Outlet water temp. 55 °C, Dry bulb temp. 7 °C, Wet bulb temp. 6 °C.								

VARM BOOST

VARM BOOST SERIES

The Varm Boost Series is equipped with eco-friendly R290 refrigerant, offering high efficiency and strong performance. With heating, cooling, and hot water modes, it ensures comfort year-round. It operates reliably even at low ambient temperatures down to -25°C.

The Wi-Fi-enabled system, combined with IoT cloud support, offers remote control capabilities, while the colorful LCD display enhances ease of use. The Varm Boost Series provides energy savings with its high COP value and increases comfort with hot water output up to 75°C.



-25°C Operating Temperature



IoT Cloud Platform



High SCOP Values



Remote Control via Wi-Fi



Heating and Cooling Mode



75°C Hot Water

Varmeks Model		VM-OMB1402008	VM-OMB1402011	VM-OMB1402015	VM-OMB3402022
Heating Condition - Ambient Temp.(DB/WB): 7/6 °C , Water Temp.(In/Out):30/35 °C					
Heating Capacity Range (kW)		3.3~8.3	4.5~11.4	5.9~14.8	8.8~22.0
Heating Power Input Range (kW)		0.64~2.18	0.85~2.95	1.13~3.83	1.68~5.77
COP Range		3.81~5.17	3.86~5.29	3.86~5.22	3.81~5.24
DHW Condition-Ambient Temp.(DB/WB): 7/6 °C , Water Temp.(In/Out):15/55 °C					
Heating Capacity Range (kW)		3.7~7.4	5.2~10.2	6.6~13.2	7.8~17.6
Heating Power Input Range (kW)		0.79~2.10	1.10~2.87	1.41~3.73	1.67~5.01
COP Range		3.52~4.69	3.55~4.71	3.54~4.67	3.51~4.66
Heated Water Output (L/H)		159	219	283	377
Cooling Condition - Ambient Temp.(DB/WB):35/24 °C , Water Temp.(In/Out):12/7 °C					
Cooling Capacity Range (kW)		2.4~5.8	3.3~8.2	4.3~10.8	6.2~15.3
Cooling Power Input Range (kW)		0.79~2.19	1.08~3.07	1.39~3.99	1.99~5.60
EER Range		2.65~3.04	2.67~3.06	2.71~3.10	2.73~3.12
Space Heating (According to EN14825:2022) Average Climate Water Outlet 35°C	Rated Heat Output (kW)	5,82	7,89	9,95	14,05
	Seasonal Space Heating Energy Efficiency (η _s)	182.7%	181.0%	182.9%	184.6%
	Seasonal Space Heating Energy Efficiency (SCOP)	4,64	4,6	4,65	4,69
	Sound Pressure Level (dB(A)) at 1 meter	44	43	45	45
	Sound Power Level (dB(A))	58	57	59	60
Space Heating (According to EN14825:2022) Average Climate Water Outlet 55°C	Rated Heat Output (kW)	5,59	8,7	9,23	13,47
	Seasonal Space Heating Energy Efficiency (η _s)	136.0%	137.0%	131.9%	138.9%
	Seasonal Space Heating Energy Efficiency (SCOP)	3,48	3,5	3,37	3,55
	Sound Pressure Level (dB(A)) at 1 meter	44	47	46	46
	Sound Power Level (dB(A))	58	61	60	62
Power Supply		230V/1Ph/50-60Hz			380V/3Ph/50-60Hz
Max. Power Input (kW)		3,1	4,1	5,2	7,6
Max. Current (A)		14,2	18,8	23,8	14,3
Fuse or Circuit Breaker (A)		20	25	32	20
Wire Diameter mm ²		2,5	4	6	4
Diameter of Pipe (mm)		DN25	DN25	DN25	DN25
Water Flow (m ³ /h)		1,43	1,96	2,55	3,78
Net Weight (kg)		112	120	138	170
Body Size (W*D*H) (mm)		1080×460×820	1080×460×960	1080×480×1060	1080×480×1372
IP Grade (Level of Protection)		IPX4	IPX4	IPX4	IPX4
Anti-Electric Shock Rate		I	I	I	I
Refrigerant		R290/1.0kg	R290/0.95kg	R290/1.45kg	R290/1.4kg
Compressor		HIGHLY	HIGHLY	HIGHLY	HIGHLY
Water Pump		SHIMGE	SHIMGE	SHIMGE	SHIMGE
Testing condition: Operation ambient temp. (°C) : -25~43 °C. Operating water temp. (°C) : 20~65 °C (DHW). Operating water temp. (°C) : 20~70 °C (Heating). Operating water temp. (°C) : 7~35 °C (Cooling).					

COMMERCIAL DUO

The Varm Commercial Duo Series, using the environmentally friendly R410A refrigerant, provides heating, cooling, and hot water solutions with high efficiency. Equipped with EVI technology, this series can provide hot water up to 55°C and continues to operate reliably even in low ambient temperatures as low as -25°C.

High COP values maximize energy efficiency, reducing operating costs. With a heating capacity of up to 180 kW, it delivers superior performance for both commercial and residential applications. Its durable and robust design offers long-lasting use and can be safely used in any commercial or residential environment.



-25°C Operating Temperature



55°C Hot Water



High COP Values



Heating and Cooling Mode



Heating Capacity up to 180 kW



Varmeks Model			VM-2MC3210038	VM-2MC3210055	VM-2MC3210090	VM-2MC3210180
Cooling Range (35°C)	Rated Cooling Capacity	kW	22	26	65	130
	Cooling Power	kW	8,15	9,96	19,9	39,7
	EER	kW/kW	2,7	2,61	3,27	3,27
Heating Range (20°C)	Rated Heating Capacity	kW	38	55	90	180
	Rated Heating Power	kW	8,24	11,70	20,2	40,9
	COP	kW/kW	4,61	4,70	4,45	4,40
Power Specifications		/	380V - 3N-50Hz			
Maximum Outlet Temperature		°C	60	60	60	60
Compressor	Type		Scroll Compressor			
	Quantity		2	1	1	2
Fan	Type		Axial Fan			
	Quantity		1	1	2	2
Water Side Heat Exchange	Type		Shell and Tube Heat Exchanger			
	Water Resistance	Kpa	30	40	30	40
	Water Flow	m³/h	5,5	7,4	13,42	38,5
	Inlet/Outlet Water Pipe	/	DN32 Threaded Flange	DN32 Threaded Flange	DN65 Threaded Flange	DN65 Threaded Flange
Refrigerant	Type	/	R410A			
Noise		Db(A)	62	65	65	69
Dimensions	WxDxH	mm	960x886x1056	1300x1000x1930	2060x1030x2150	2200x1140x2296
Weight	Net	Kg	240	316	500	800
Weight	Grass	Kg	250	326	550	890
Note : The above data are measured according to the following operating conditions: 1) Nominal cooling test condition: DB/WB 35/24°C, outlet water temperature 7°C; 2) Nominal heating test condition: DB/WB 20/15 °C, water temperature range 15-55 °C; As part of continuous product improvement, we reserve the right to change specifications.						

COMMERCIAL POOL

A commercial pool heat pump reduces your pool heating costs compared to fossil fuels, thanks to its high COP values. It is specifically designed to maintain a consistent temperature in swimming pools ranging from 40 m³ to 500 m³, making it ideal for hotels, water parks, schools, sports centers, gyms, and similar facilities.

With hot water output up to 43°C, it provides efficient heating year-round. The system operates effectively in temperatures ranging from -7°C to 43°C, ensuring reliable performance in various climates.



43°C
Hot Water



High SCOP
Values



Suitable for
40m³ to 500m³



7°C to 43°C
Operating Temp.



R410A

Varmeks Model		VM-0PC3200026	VM-0PC3200052	VM-0PC3200075	VM-0PC3200100	VM-0PC3200121	VM-0PC3200145
Rated Heating Capacity	kW	26	51,5	75	100	121	145
Rated Power Input	kW	4,2	8,4	12,1	16,8	20,2	23,8
COP	°C	6,2	6,1	6,2	6,0	6,0	6,1
Max Outlet Water Temp		43					
Power Supply		380-400V 3PH ~ 50Hz					
Anti-Electric Shock Rate		-					
IP Grade (Level of protection)		IPX4					
Refrigerant		R410A					
Working Ambient Temp	°C	-7~43 °C					
Heat Exchanger		Titanium Heat Exchanger in PVC Shell					
Noise	dB(A)	56	58	60	62	64	66
Water Pressure Drop	kPa	50	50	50	45	45	50
Rated Water Circulation	m³/h	11,2	22,1	32,3	43	52	62,4
Diameter of Pipe		G1-1/2" (female thread)	G2" (female thread)	G2" (female thread)	DN110 (PVC flange)	DN110 (PVC flange)	DN110 (PVC flange)
Net Weight	kg	135	280	248	352	450	465
Product Size	Length	mm	740	1500	1530	1705	2005
	Width	mm	805	750	790	1005	1050
	Height	mm	1165	1075	1100	1230	1400

Rated Working Condition: Dry bulb temperature 27 °C, Inlet water temperature 26 °C.

*Installation should be done with PVC pipe.

VARMEKS HEAT PUMPS SILENT POOL SERIES

The Varm Silent Pool heat pump can heat from -7°C to 40°C and cool the pool water down to 9°C in the summer. Its ABS plastic casing is corrosion-resistant and suitable for pools ranging from 15 m^3 to 100 m^3 .

With Smart Life integration, it can be controlled remotely. The high COP value ensures energy efficiency.

The Varm Silent Pool Heat Pump offers an excellent pool heating solution with its durability, energy efficiency, and ease of use.



-7°C Operating Temperature



IoT Cloud Platform



High COP Values



Remote Control via Wi-Fi



Panasonic Compressor



9°C Cooling
 40°C Pool Heating



Varmeks Model	VM-0PO1102010	VM-0PO1102011	VM-0PO1102014	VM-0PO1102017	VM-0PO1102020	VM-0PO1102024	VM-0PO1102028	VM-0PO1102033
Advised Pool Volume (m3)	20~40	25~50	30~60	40~75	55~100	70~130	60~120	70~130
Operating Air Temperature (°C)	-7 ~ 43 °C							
Performance Condition: Air 27 °C, Water 26 °C, Humidity 80%								
Heating Capacity (kW)	9.50~2.10	11.00~2.50	14.00~3.15	17.00~3.75	20.00~4.00	24.00~4.80	28.00~5.60	32.50~6.50
Heating Capacity (Btu)	32300~7140	37400~8500	47600~10710	57800~13090	68000~13600	81600~16320	95500~19100	110900~22100
Consumed Power (kW)	1.46~0.14	1.83~0.17	2.15~0.21	2.62~0.25	3.33~0.27	4.00~0.32	4.75~0.37	5.42~0.43
COP	6.5~15.0	6.0~14.7	6.5~15.0	6.5~15.0	6.0~14.8	6.0~15.0	6.0~15.0	6.0~15.0
COP at 50% Capacity	11,00	11,00	10,50	11,00	11,00	11,00	11,00	11,00
Performance Condition: Air 15 °C, Water 26 °C, Humidity 70%								
Heating Capacity (kW)	7.2~1.50	8.5~1.65	10.7~2.40	13.0~2.65	15.6~2.85	18.7~3.42	21.8~4.36	25.4~5.07
Heating Capacity (Btu)	24480~5100	28900~5610	36380~8160	44200~9010	53040~9690	63580~11630	74380~14880	86665~17300
Consumed Power (kW)	1.43~0.21	1.77~0.23	2.12~0.34	2.58~0.36	3.25~0.40	3.89~0.49	4.54~0.62	5.29~0.72
COP	5.0~7.2	4.8~7.2	5.0~7.1	5.0~7.4	4.8~7.0	4.8~7.0	4.8~7.0	4.8~7.0
COP at 50% Capacity	6,50	6,50	6,50	6,50	6,50	6,50	6,50	6,50
Performance Condition: Air 35 °C,Water 28 °C, Humidity 80%								
Cooling Capacity (kW)	5,2	6,0	7,2	8,6	10,1	11,8	13,8	15,6
Sound Pressure at 1m dB(A)	38~48	40~50	42~51	43~52	43~53	44~54	45~56	45~57
Sound Pressure of 50% Capacity at 1m dB(A)	40	41	43	44	44	45	48	49
Sound Pressure at 10m dB(A)	18~25	19~26	22~27	23~30	24~31	25~32	26~34	26~35
Heat Exchanger	Spiral Titanium Tube in PVC							
Casing	ABS Plastic Casing							
Refrigerant	R32							
Power Supply	230V/1 Ph/50Hz							
Compressor	Panasonic							
Four-way Valve	Sanhua							
Expansion Valve	Sanhua							
Operating Water Temperature (°C) *heating	9 ~40							
Operating Water Temperature (°C) *cooling	9 ~35							
Water Connection (mm)	φ50							
Rated Input Current at Air 15°C (A)	6.3~0.9	7.8~1.0	9.3~1.5	11.3~1.6	14.3~1.8	17.8~2.3	20.8~2.8	24.2~3.3
Advised Water Flux (m³/h)	2~4	3~5	4~6	6~9	8~10	9~12	10~14	12~16
Water Pressure Drop (max) kPa	3	4	5	5	6	8	20	25
Net Weight/Gross Weight (kg)	62/70	64/72	77/87	81/91	81/91	95/105	110/122	115/127
Product Size (mm)	1000*396*640			1125*416*765			1156*430*905	
Packaging Size (mm) (Carton)	1040*410*780			1165*430*905			1230*440*1030	

*Installation should be done with PVC pipe.

VARMEKS HEAT PUMPS VARM ALL VITAL SERIES

The Varm All Series Heat Pump provides domestic hot water using ambient air. With a corrosion-resistant anode rod, it ensures the durability of the tank. High-density polyurethane (PU) foam insulation reduces heat loss, while the ABS casing contributes to its longevity.

Operating at a low noise level (48 dB(A)), the heat pump is equipped with a high-efficiency compressor and R134A refrigerant. It provides hot water up to 75°C and includes an external electric heater. The unit features electronic expansion valve control and a next-generation digital display for easy monitoring. The interior surfaces of the tank are coated with advanced enamel technology for added durability.

With high COP values, the Varm All Series ensures reliable and energy-efficient performance.



75°C
Hot Water



High COP
Values



Remote Control
via WIFI



Smart
Defrost



With External
Electric Heater

150
LT

200
LT

300
LT

R134A

Varmeks Model		VARM ALL 300	VARM ALL 200	VARM ALL 150
Power Source	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Water Tank Real Capacity	L	286	197	149
Heating Capacity	W	2400* (+2000**)	2400* (+2000**)	2400* (+2000**)
Rated Power Input	W	640* (+2000**)	640* (+2000**)	640* (+2000**)
Rated Current	A	3* (+9.3**)	3* (+9.3**)	3* (+9.3**)
COP	W/W	3.75	3.75	3.75
Maximum Power Input	W	1000 (+2000**)	1000 (+2000**)	1000 (+2000**)
Maximum Current	A	5.7 (+9.3**)	5.7 (+9.3**)	5.7 (+9.3**)
Max. Output Water Temperature (Without Using E-heater)	°C	75	75	75
Refrigerant	-	R134A	R134A	R134A
Waterproof Level	-	IPX1	IPX1	IPX1
Maximum Allowable Tank Pressure	bar	10	10	10
Auxiliary Electric Heater	kW	2	2	2
Electronic Expansion Valve		Yes	Yes	Yes
Cold Water Inlet	inch	3/4"	3/4"	3/4"
Hot Water Outlet	inch	3/4"	3/4"	3/4"
Auxiliary Heat Source Input/Output	inch	1 1/4"	1 1/4"	1 1/4"
Net Dimensions	mm	φ650x1940	φ650x1550	φ650x1430
Net Weight	kg	110	102	90





Remote Free Wi-Fi Function

Thanks to the built-in Wi-Fi module, users can directly control the device's operating status and view parameters anytime and anywhere via the "Smart Life" app. Operations such as setting the timer, adjusting the temperature, changing modes, and selecting the language can be easily performed.



History Log

Modes

Operating Status

Timer

Parameters

Notifications

Real-Time
Monitoring

Temperature
Setting



IoT Customer Management Platform

Thanks to Varmeks' IoT-supported management system, we remotely monitor all technical data of your heat pump. From temperature readings to operating modes, performance status to potential malfunctions—every detail is tracked in real time, allowing us to detect faults and respond quickly.

In addition, we monitor your projects and devices from a single center, plan periodic maintenance schedules, and log any potential complaints to manage the process on your behalf.

Without having to deal with any technical details, you can rest assured that your system operates efficiently, safely, and smoothly.

We oversee the entire process and are there for you whenever you need support.

Business Management

- Project Management
- Device Management
- Fault Management
- User Management
- Authorization Management
- Product Management
- Organization Management
- Distributor Management

Real-Time Monitoring

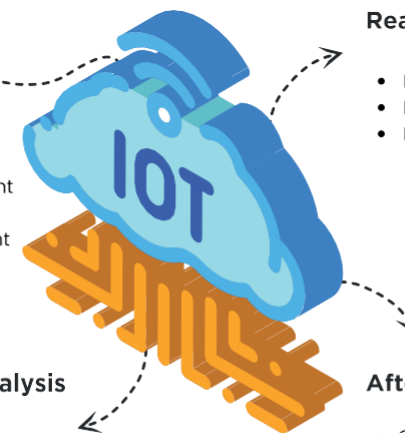
- Project Monitoring View
- Device List
- Monitoring Page

Data Statistics and Analysis

- Project Statistics
- Device Statistics
- Fault Statistics
- Project Monitoring View
- Data Statistics

After-Sales Management

- Customer Complaint
- Customer Care
- Order Management



Website

Mail

Instagram

Linkedin

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