VARMEKS
HEAT PUMPS



info@varmeks.com | +90 (444) 0 602 | www.varmeks.com.tr

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BUILT TO **PERFORM.** MADE TO **DELIVER.**

TRUSTED WORLDWIDE.
DELIVERING COMFORT EVERYWHERE.



Catalog Overview

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Discover Varmeks manufacturing strength, engineering expertise, and global vision in heat pump technologies.

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Efficient air-to-water heat pump solutions designed for heating, cooling, and domestic hot water applications.

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High-temperature heating, cooling, and hot water solutions with eco-friendly R290 refrigerant technology.

Varm Silent Pool Series 08

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Advanced storage tanks for domestic hot water, solar, and heating systems, ensuring efficiency and reliability.



SINCE **2012**

ABOUT US

Since 2012, Varmeks Heat Pumps has been a pioneer in heat pump technology in Türkiye. As part of the **Solimpeks Group**, we provide high-quality heat pump solutions for a wide range of heating and cooling applications, from residential homes to industrial facilities. By combining energy efficiency, environmental sustainability, and comfort, we deliver reliable and innovative products tailored to modern energy needs.

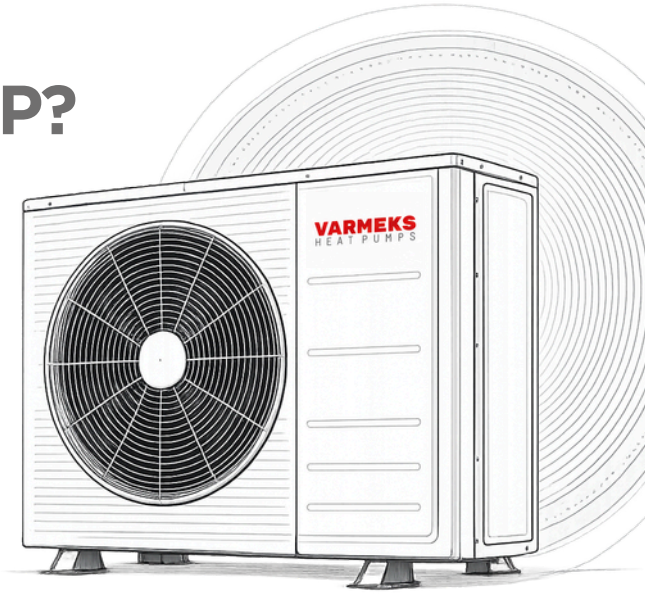
By manufacturing in our own facilities, we maintain full control over the entire process—from production to the end user—ensuring consistently high quality. Through continuous research and development, we create innovative solutions that prioritize energy efficiency and environmental sustainability. Our product portfolio covers a wide range of applications, from residential heating systems to swimming pool and industrial heat pumps. Supported by our experienced team, we are committed to providing the most suitable solution for every customer's needs.

EXPORTING TO 96+ COUNTRIES

DELIVERING HIGH-EFFICIENCY HEAT PUMP SOLUTIONS WORLDWIDE.

WHAT IS A HEAT PUMP?

A heat pump is a smart, energy-efficient system that moves heat from the outdoor air into your building. It provides reliable heating in the winter, cooling in the summer, and domestic hot water all year round. Using advanced technology, it delivers exceptional comfort with lower energy consumption.



HOW IT WORKS

01

Absorbs Energy from Ambient Air

The outdoor unit draws in air and captures natural heat energy, even in cold conditions.

02

Upgrades Heat via Refrigerant Cycle

The refrigerant absorbs, compresses, and releases heat at a higher temperature for efficient use.

03

Provides Heating, Cooling, and Hot Water

The upgraded heat is distributed inside to provide year-round comfort and hot water.

KEY BENEFITS

High Efficiency

Delivers more energy than it uses by moving heat instead of generating it.

Lower Energy Costs

Reduces energy bills while maintaining superior comfort and performance.

Eco Solution

Uses renewable ambient air and low-GWP refrigerants to reduce environmental impact.

Heating & Cooling

Provides reliable heating in winter and efficient cooling in summer.

Domestic Hot Water

Delivers consistent, efficient hot water for homes and commercial applications.

Quiet Comfort

Engineered for low noise operation and a peaceful comfort experience.



Varm Up Series

Varm Up Series EVI DC inverter heat pumps provide efficient heating, cooling, and hot water. Using R32 refrigerant and EVI technology, they operate reliably down to -30°C. Wi-Fi control, 0.1 °C temperature precision, high COP values, and a durable design ensure energy savings and long-term performance.

VARM UP SERIES TECHNICAL DATA

Varmeks Model	8 kW	13 kW	16 kW	18 kW	23 kW	28 kW	35 kW
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 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	4.23~14.0	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 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 (kW)	1.28~6.81	3.52~10.50	8.2~13.6	4.80~14.72	5.1~18.5	12.3~20.4	13.6~22.6
DHW 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
DHW 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 (m^3/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	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	115/125	130/140	170/180	165/175	220/230	240/250
Diameter of Pipe	DN25	DN25	DN25	DN25	DN25	DN32	DN32
Body Size (WxDxH) (mm)	970×475×835	1100×475×985	1080×480×1060	1050×480×1330	1050×480×1380	1160×500×1580	1160×500×1580
Packing Size (Carton)	1028×520×974	1120×515×1108	1100×490×1210	1100×530×1470	1100×490×1510	1200×510×1720	1200×510×1720
Packing Size (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						
DHW Outlet Water Temperature (°C)	33-60						
Heating Outlet Water Temperature (°C)	20-58						
Cooling Outlet Water Temperature (°C)	7-25						
Power Supply Cable Size (mm^2)	3x4mm²	3x6mm²	3x10mm²	3x10mm²	5x4mm²	5x6mm²	5x6mm²
Circuit Breaker (A)	25	32	40	40	25	32	32

Test Conditions
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.

Technical data are nominal values under standard test conditions. Actual performance may vary. Varmeks reserves the right to change specifications without notice.

R32 LOW GWP

Wi Fi

WARRANTY 2 YEARS WARRANTY

4.23~4.92
COP Range

VARMEKS HEAT PUMPS



Varm Boost Series

Using eco-friendly R290 refrigerant, the Varm Boost Series provides efficient heating, cooling, and hot water, operating reliably down to –25 °C.

Wi-Fi and IoT control, high COP efficiency, and hot water up to 75 °C ensure energy savings and comfort.

VARM BOOST SERIES TECHNICAL DATA

Varmeks Model	8 kW	11 kW	15 kW	22 kW
Heating Mode – Ambient Temperature (DB/WB): 7/6 °C, Water Temperature (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	3.81~5.17	3.86~5.29	3.86~5.22	3.81~5.24
DHW Mode – Ambient Temperature (DB/WB): 7/6 °C, Water Temperature (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	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 Mode – Ambient Temperature (DB/WB): 35/24 °C, Water Temperature (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	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				
Nominal Heat Output (kW)	5.82	7.89	9.95	14.05
Seasonal Heating Efficiency (ηs)	182.7%	181.0%	182.9%	184.6%
Seasonal COP (SCOP)	4.64	4.6	4.65	4.69
Noise Level @1 m (dB(A))	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				
Nominal Heat Output (kW)	5.59	8.7	9.23	13.47
Seasonal Heating Efficiency (ηs)	136.0%	137.0%	131.9%	138.9%
Seasonal COP (SCOP)	3.48	3.5	3.37	3.55
Noise Level @1 m (dB(A))	44	47	46	46
Sound Power Level (dB(A))	58	61	60	62
Power Supply	230V/1Ph/50~60Hz	230V/1Ph/50~60Hz	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
Cable Cross-Section (mm^2)	2.5	4	6	4
Pipe Diameter	DN25	DN25	DN25	DN25
Water Flow Rate (m^3/h)	1.43	1.96	2.55	3.78
Net Weight (kg)	112	120	138	170
Unit Dimensions (W*D*H) (mm)	1080×460×820	1080×460×960	1080×480×1060	1080×480×1372
IP Rating (Protection Level)	IPX4	IPX4	IPX4	IPX4
Anti-Electric Shock Rating	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

Test Conditions
Operation ambient temp.(°C): -25~43 °C. / Operating water temp.(°C): 20~60 °C (DHW). / Operating water temp.(°C): 20~70 °C (Heating). / Operating water temp.(°C): 7~35 °C (Cooling).

Technical data are nominal values under standard test conditions. Actual performance may vary. Varmeks reserves the right to change specifications without notice.

ECO FRIENDLY R290 NATURAL PRODUCT

Wi Fi

WARRANTY 2 YEARS WARRANTY

3.81~5.29
COP Range



Varm Silent Pool Series

Operating between -7°C and 43°C, the Varm Silent Pool Heat Pump heats pool water up to 40°C and cools it down to 9°C. Its corrosion-resistant ABS casing ensures long service life and makes it suitable for pools from 20 to 130 m³.

With Smart Life remote control and a high COP, it delivers efficient and reliable pool heating.

VARM SILENT POOL SERIES TECHNICAL DATA

Varmeks Model	10 kW	14 kW	17 kW	20 kW	24 kW	28 kW	33 kW
Recommended Pool Volume (m³)	20~40	30~60	40~75	55~100	70~130	60~120	70~130
Operating Air Temperature (°C)	-7 ~ 43 °C						
Performance Conditions: Air 27 °C, Water 26 °C, Humidity 80%							
Heating Capacity (kW)	9.50~21.00	14.00~31.50	17.00~37.50	20.00~40.00	24.00~48.00	28.00~56.00	32.50~65.00
Heating Capacity (BTU)	32300~71400	47600~107100	57800~130900	68000~136000	81600~163200	95500~191000	110900~221000
Power Consumption (kW)	1.43~3.21	2.12~3.44	2.58~3.36	3.25~4.40	3.89~4.49	4.54~4.62	5.29~7.02
COP	5.0~7.2	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% Load	6.50	6.50	6.50	6.50	6.50	6.50	6.50
Cooling and Sound Conditions: Air 15 °C, Water 26 °C, Humidity 70%							
Cooling Capacity (kW)	5.2	7.2	8.6	10.1	11.8	13.8	15.6
Sound Pressure Level at 1 m (dB(A))	38~48	42~51	43~52	43~53	44~54	45~56	45~57
SPL @ 1 m, 50% Load (dB(A))	40	43	44	44	45	48	49
Sound Pressure Level at 10 m (dB(A))	18~25	22~27	23~30	24~31	25~32	26~34	26~35
Heat Exchanger	Spiral Titanium Tube in PVC						
Casing	ABS Plastic Case						
Refrigerant	R32						
Power Supply	230V/1Ph/50Hz						
Compressor	Panasonic						
Four-Way Valve	Sanhua						
Expansion Valve	Sanhua						
Heating Water Temperature (°C)	9~40						
Cooling Water Temperature (°C)	9~35						
Water Connection (mm)	Φ50						
Nominal Input Current at 15°C (A)	6.3~9.0	9.3~15.0	11.3~16.0	14.3~18.0	17.8~23.0	20.8~28.0	24.2~33.0
Recommended Water Flow (m³/s)	2~4	4~6	6~9	8~10	9~12	10~14	12~16
Water Pressure Drop (max.) (kPa)	3	5	5	6	8	20	25
Net/Gross Weight (kg)	62/70	77/87	81/91	81/91	95/105	110/122	115/127
Product Dimensions (mm)	1000*396*640		1125*416*765			1156*430*905	
Packaging Dimensions (mm) (Carton)	1040*410*780		1165*430*905			1230*440*1030	
Power Supply Connection	3*1.5mm2	3*2.5mm2	3*4.0mm2	3*6.0mm2	3*6.0mm2	3*10mm2	3*10mm2

Technical data are nominal values obtained under standard test conditions. Actual performance may vary. Varmeks reserves the right to change specifications without prior notice. Installation must be carried out using PVC piping.

R32 LOW GWP

WiFi

WARRANTY 2 YEARS WARRANTY

4.8~7.4 COP Range



Varm All Series

Varm All Series heat pumps efficiently produce domestic hot water using eco-friendly R290 refrigerant and renewable energy from ambient air. With hot water support up to 75 °C, high performance, and an energy-saving design, they provide uninterrupted hot water comfort for residential applications.

VARM ALL SERIES TECHNICAL DATA

Parameter	Unit	200 L	300 L
Installation Type	-	Floor Standing	Floor Standing
Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50
Water Tank Volume	L	200	300
Tapping Cycle	-	L	XL
Nominal Heating Capacity	kW	1.6	1.6
Energy Class	-	A+	A+
Heating Capacity (7/6°C)	kW	1.23	1.3
Heating Input	kW	0.82	0.84
COP (7/6°C)	W/W	2.93	3.15
Heating Capacity (14/13°C)	kW	1.41	1.43
COP (14/13°C)	W/W	3.42	3.53
Heating Capacity (20/15°C)	kW	1.48	1.50
COP (20/15°C)	W/W	3.65	3.75
Refrigerant Charge	-	R290/150g	R290/150g
Electric Heater	kW	2	2
Sound Power Level	dB(A)	55	55
Max. Water Outlet Temp.	°C	65	65
Max. Using Backup Heater	°C	75	75
Operation Range	°C	-7~45	-7~45
Temp. Setting Range	°C	15~75	15~75
Rated Power	W	900+2000	900+2000
Rated Current	A	3.9+9.3	3.9+9.3
Rated Water Yield	L/h	39	34.4
Air Flow	m^3/h	450	450
Protection Indoor Unit	-	IPX1	IPX1
Max Allowed Pressure of Tank	bar	6	6
Inner Tank Material	-	S235JR (Enamel coated) or Stainless Steel	S235JR (Enamel coated) or Stainless Steel
Inner Tank Thickness	mm	2.5	2.5
Insulation Material	-	Polyurethane	Polyurethane
Insulation Thickness	mm	40	40
Outer Cylinder Material	-	Static painted galvanized sheet	Static painted galvanized sheet
Hot Water Outlet	inch	G 3/4	G 3/4
Cold Water Inlet	inch	G 3/4	G 3/4
Size of Water Drain	inch	G 3/4	G 3/4
Condensed Water Outlet	inch	G 1/2	G 1/2
Net Dimensions (L×W×H)	mm	Ø677 × 1520	Ø677 × 1920
Packing Dimensions (L×W×H)	mm	720 × 720 × 1700	720 × 720 × 2070
Net Weight	kg	93	117
Gross Weight	kg	109	137

Technical data are nominal values under standard test conditions. Actual performance may vary. Varmeks reserves the right to change specifications without notice.

ECO FRIENDLY R290 NATURAL PRODUCT

WiFi

WARRANTY 2 YEARS WARRANTY

2.93~3.75 COP Range



Commercial Duo Series

The Varm Commercial Duo Series offers efficient heating, cooling, and hot water with eco-friendly R290 refrigerant.

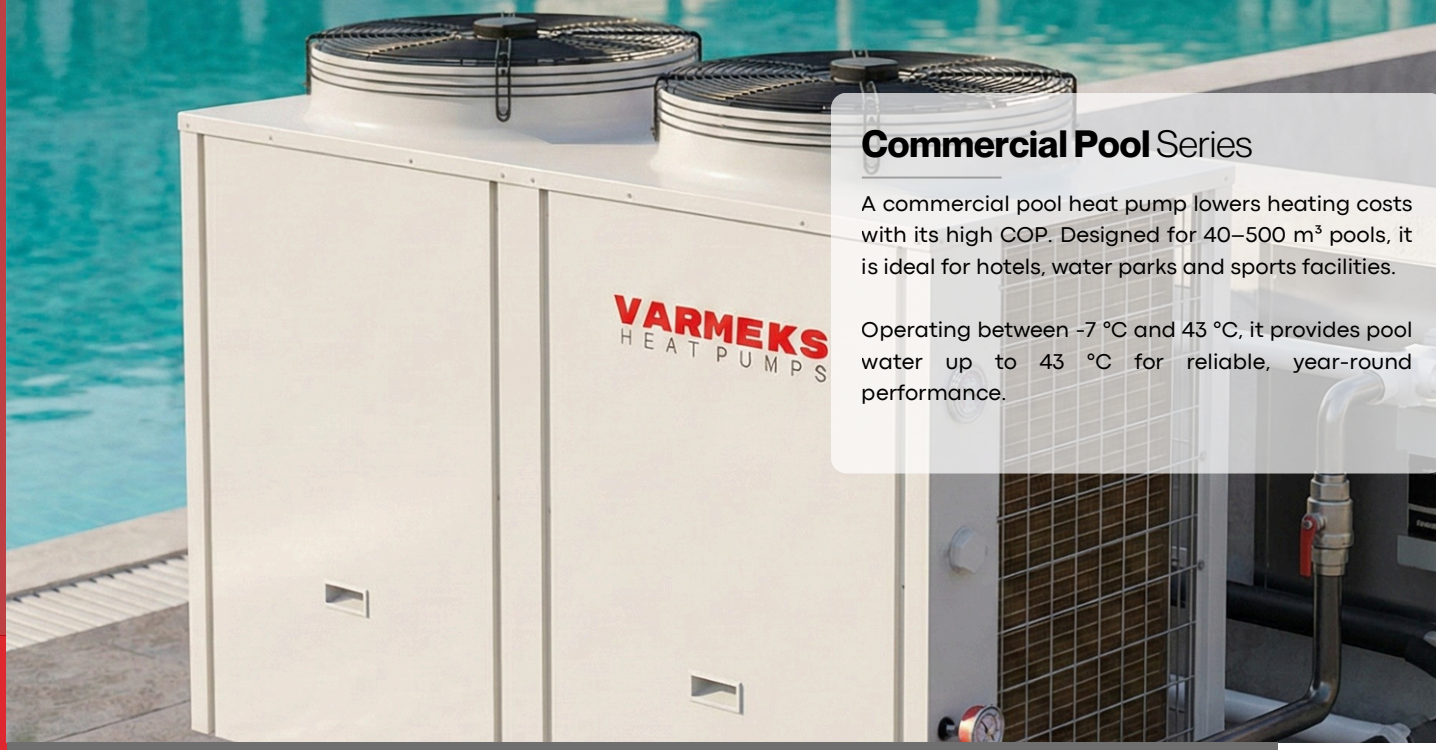
It operates down to -25 °C, delivers hot water up to 78 °C, and is suitable for commercial and industrial applications. High COP/EER values, low noise, and a durable design ensure reliable performance.

COMMERCIAL DUO SERIES TECHNICAL DATA

Varmeks Model	50 kW	92 kW
Heating Condition – Ambient Temp (DB/WB): 7/6°C, Water Temp (Inlet/Outlet): 30/35°C		
Heating Capacity Range (kW)	18.4~49.25	35.2~92
Heating Power Consumption (kW)	4.23~12.98	7.0~23.8
Heating COP Range	3.8~4.3	3.86~5.02
Domestic Hot Water Condition – Ambient Temp (DB/WB): 20/15°C, Water Temp (Inlet/Outlet): 15/55°C		
Heating Capacity Range (kW)	23.8~68	40.0~120
Heating Power Consumption (kW)	4.23~15.46	9.0~29.5
DHW COP Range	4.46~5.62	4.06~5.5
Heated Water Output (L/H)	1462	2580
Cooling Condition – Ambient Temp (DB/WB): 35/24°C, Water Temp (Inlet/Outlet): 12/7°C		
Cooling Capacity Range (kW)	13.8~34.5	25~66
Cooling Power Consumption (kW)	5.2~16.2	8.92~30.7
EER Range	2.1~2.65	2.15~2.8
Power Supply	380~415V/3Ph/50-60Hz	
Maximum Power Consumption (kW)	20	40
Maximum Current (A)	32	64
Fuse or Circuit Breaker (A)	40	80
Cable Section (mm^2)	$10mm^2$	$22mm^2$
Pipe Diameter (mm)	G1.5"	G2"
Sound Power Level (dB(A))	≤77	≤85
Sound Pressure Level (dB(A))	≤62	≤65
Maximum Water Flow (m^3/h)	8.6	17.2
Maximum Water Pressure Drop (kPa)	80	120
Net Weight (kg)	370	745
Body Dimensions (W×D×H) (mm)	1195×980×1900	2510×979×1882
Packing Dimensions (W×D×H) (Plywood)	1275×1060×2100	2560×1030×2000
IP Rating (Protection Level)	IPX4	IPX4
Anti-Electric Shock Rate		
Refrigerant	R290/4.0kg	R290/8.0kg
Compressor Brand	HIGHLY	
Operation Ambient Temperature (°C)	-25~43°C	
Operation Water Temp (°C) – DHW	20~78°C (DHW)	
Operation Water Temp (°C) – Heating	20~78°C (Heating)	
Operation Water Temp (°C) – Cooling	7~30°C (Cooling)	

Technical data are nominal values under standard test conditions. Actual performance may vary. Varmeks reserves the right to change specifications without notice.





Commercial Pool Series

A commercial pool heat pump lowers heating costs with its high COP. Designed for 40–500 m³ pools, it is ideal for hotels, water parks and sports facilities.

Operating between -7 °C and 43 °C, it provides pool water up to 43 °C for reliable, year-round performance.

COMMERCIAL POOL SERIES TECHNICAL DATA

Varmeks Model	26 kW	52 kW	75 kW	100 kW	121 kW	145 kW
Nominal Power Input (kW)	4.2	8.4	12.1	16.8	20.2	23.8
COP	6.2	6.1	6.2	6.0	6.0	6.1
Maximum Outlet Water Temperature	43					
Power Supply	380~400V 3PH~50Hz					
Electrical Protection Class	I					
IP Rating (Protection Level)	IPX4					
Refrigerant	R410A					
Operating Ambient Temperature	-7~43°C					
Heat Exchanger	Titanium Heat Exchanger in PVC Housing					
Noise Level (dB(A))	56	58	60	62	64	66
Water Pressure Drop (kPa)	50	50	50	45	45	50
Nominal Water Flow Rate (m³/h)	11.2	22.1	32.3	43	52	62.4
Pipe Connection	G1½" (Female)	G2" (Female)	G2" (Female)	DN110 (PVC flange)	DN110 (PVC flange)	DN110 (PVC flange)
Net Weight (kg)	135	200	248	352	465	465
Product Dimensions – Length (mm)	740	1500	1530	1705	2005	2005
Product Dimensions – Width (mm)	805	750	790	1005	1050	1050
Product Dimensions – Height (mm)	1165	1075	1100	1230	1400	1400

Technical data are nominal values under standard test conditions. Actual performance may vary. Varmeks reserves the right to change specifications without notice.
*Nominal operating conditions: Dry bulb temperature 27°C, inlet water temperature 26°C.
*Installation must be carried out using PVC piping.

VARMEKS HEAT PUMPS

R410A REFRIGERANT

WARRANTY 2 YEARS WARRANTY

6.0~6.2
COP Range



Solibuffer Series

The Solibuffer Series is designed for efficient thermal energy storage in heat pump and heating systems. Providing hydraulic separation and reducing frequent compressor cycling, it ensures stable heating performance and improved system efficiency. With high-quality insulation and capacities ranging from 50 to 1000 litres, it offers a reliable and practical buffer storage solution.

SOLIBUFFER SERIES TECHNICAL DATA

Varmeks Model	50	100	200	300	500	800	1000
Energy efficiency class	C	C	C	C	D	E	E
Heat loss	54 W	62 W	74 W	85 W	140 W	195 W	220 W
Tank volume	50 L	100 L	170 L	245 L	460 L	850 L	1030 L
Basic Data							
Weight	20 kg	40 kg	55 kg	73 kg	90 kg	140 kg	160 kg
Dimensions (height/diameter)	570 X 450 mm	750 X 540 mm	1200 X 540 mm	1750 X 540 mm	1625 X 750 mm	1850 X 1010 mm	2150 X 1010 mm
Max. permissible boiler water temp.	95 °C	95 °C	95 °C	95 °C	95 °C	95 °C	95 °C
Maximum working pressure	6 bar	6 bar	6 bar	6 bar	6 bar	6 bar	6 bar
Insulating material	PU	PU	PU	PU	PU	Sponge	Sponge
Insulating thickness	30 mm	50 mm	50 mm	50 mm	50 mm	80 mm	80 mm
Outer cylinder material	Static painted galvanized sheet				Artificial leather		
Pipe Connection							
Feed water in/out (inch)	G 1"	G 1 1/4"	G 1 1/4"	G 1 1/4"	G 2"	G 2"	G 2"
Underfloor heating in/out (inch)	G 1"	G 1 1/4"	G 1 1/4"	G 1 1/4"	G 2"	G 2"	G 2"
Electric heater (inch)	-	G 1 1/4"	G 1 1/4"	G 1 1/4"	G 2"	G 2"	G 2"
Sensor (inch)	-	G 1/2"	G 1/2"	G 1/2"	G 1/2"	G 1/2"	G 1/2"
Emptying (inch)	G 1/2"	G 1/2"	G 1/2"	G 1/2"	G 1/2"	G 1/2"	G 1/2"

Varmeks reserves the right to make changes to this table at any time.



Solitank Series

The Solitank Series combines domestic hot water production and buffer storage in one compact system. Featuring an AISI 316L stainless steel heat exchanger, it ensures hygienic hot water preparation, efficient heat transfer, and reliable heating support. Fully compatible with heat pumps, it is available in capacities from 200 to 1000 litres.

SOLITANK SERIES TECHNICAL DATA

Varmeks Model	200	300	500	800	1000
Energy efficiency class	C	C	C	C	C
Heat loss	74 W	85 W	140 W	195 W	220 W
Tank volume	170 L	245 L	460 L	850 L	1030 L
Basic Data					
Weight	67 kg	85 kg	106 kg	165 kg	190 kg
Dimensions (height/diameter)	1200 X 540 mm	1750 X 540 mm	1700 X 750 mm	1850 X 1010 mm	2150 X 1010 mm
Max. permissible boiler water temp.	95 °C	95 °C	95 °C	95 °C	95 °C
Maximum working pressure	6 bar	6 bar	6 bar	6 bar	6 bar
Insulating material	PU	PU	PU	Sponge	Sponge
Insulating thickness	50 mm	50 mm	50 mm	80 mm	80 mm
Outer cylinder material	Static painted galvanized sheet			Artificial leather	
Domestic Water Exchanger (AISI 316L)					
Water volume of the heat exchanger	12 L	12 L	13.5 L	22.5 L	27.5 L
DHW Heat Exchanger Area	3.8 m^2	3.8 m^2	4.3 m^2	7.2 m^2	8.7 m^2
Maximum working pressure	6 bar	6 bar	6 bar	6 bar	6 bar
Pipe Connection					
Feed water in/out (inch)	G 1 1/4"	G 1 1/4"	G 2"	G 2"	G 2"
Underfloor heating in/out (inch)	G 1 1/4"	G 1 1/4"	G 2"	G 2"	G 2"
Electric heater (inch)	G 1 1/4"	G 1 1/4"	G 2"	G 2"	G 2"
Domestic water in/out (inch)	G 3/4"	G 3/4"	G 3/4"	G 3/4"	G 3/4"
Sensor (inch)	G 1/2"	G 1/2"	G 1/2"	G 1/2"	G 1/2"
Emptying (inch)	G 1/2"	G 1/2"	G 1/2"	G 1/2"	G 1/2"

Varmeks reserves the right to make changes to this table at any time.



Single flexible pipe



Solikombi Series

The Solikombi Series combines domestic hot water, solar energy storage, and buffer tank functions in one compact system. Featuring AISI 316L stainless steel heat exchangers, it provides efficient heat transfer, hygienic hot water production, and reliable heating support. Fully compatible with heat pumps, it is available in capacities from 300 to 1000 litres.

SOLIKOMBI SERIES TECHNICAL DATA

Varmeks Model	160	200	300	500
Energy efficiency class	C	D	E	E
Heat loss	85 W	140 W	195 W	220 W
Tank volume	245 L	460 L	850 L	1030 L
Basic Data				
Weight	89 kg	112 kg	175 kg	190 kg
Dimensions (height/diameter)	1750 X 540 mm	1700 X 750 mm	1850 X 1010 mm	2150 X 1010 mm
Max. permissible boiler water temp.	95 °C	95 °C	95 °C	95 °C
Maximum working pressure	6 bar	6 bar	6 bar	6 bar
Insulating material	PU	PU	Sponge	Sponge
Insulating thickness	50 mm	50 mm	80 mm	80 mm
Outer cylinder material	Static painted galvanized sheet	Artificial letaher		
Domestic Water Exchanger (AISI 316L)				
Water volume of the heat exchanger	12 L	13.5 L	22.5 L	27.5 L
DHW Heat Exchanger Area	3.8 m^2	4.3 m^2	7.2 m^2	8.7 m^2
Maximum working pressure	6	6	6	6
Solar Heating Support (AISI 316L)				
Water volume of the heat exchanger	5.7	6.6	7.8	9.3
Domestic Water HX Surface Area	1.8 m^2	2.1 m^2	2.5 m^2	3 m^2
Maximum working pressure	6 bar	6 bar	6 bar	6 bar
Pipe Connection				
Feed water in/out (inch)	G 1 1/4"	G 2"	G 2"	G 2"
Underfloor heating in/out (inch)	G 1 1/4"	G 2"	G 2"	G 2"
Electric heater (inch)	G 1 1/4"	G 2"	G 2"	G 2"
Domestic water in/out (inch)	G 3/4"	G 3/4"	G 3/4"	G 3/4"
Solar input/output (inch)	G 3/4"	G 3/4"	G 3/4"	G 3/4"
Sensor (inch)	G 1/2"	G 1/2"	G 1/2"	G 1/2"
Emptying (inch)	G 1/2"	G 1/2"	G 1/2"	G 1/2"

Varmeks reserves the right to make changes to this table at any time.



Double flexible pipe



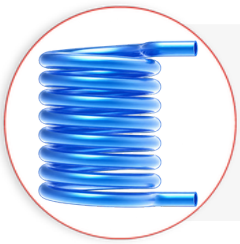
Enamel TSE - VS HP Series

The Enamel TSE-VS HP Series is designed for efficient domestic hot water storage in heat pump systems. Featuring durable enamel coating, a high-performance heat exchanger, and quality polyurethane insulation, it ensures reliable operation and long service life. Available in capacities from 160 to 500 litres.

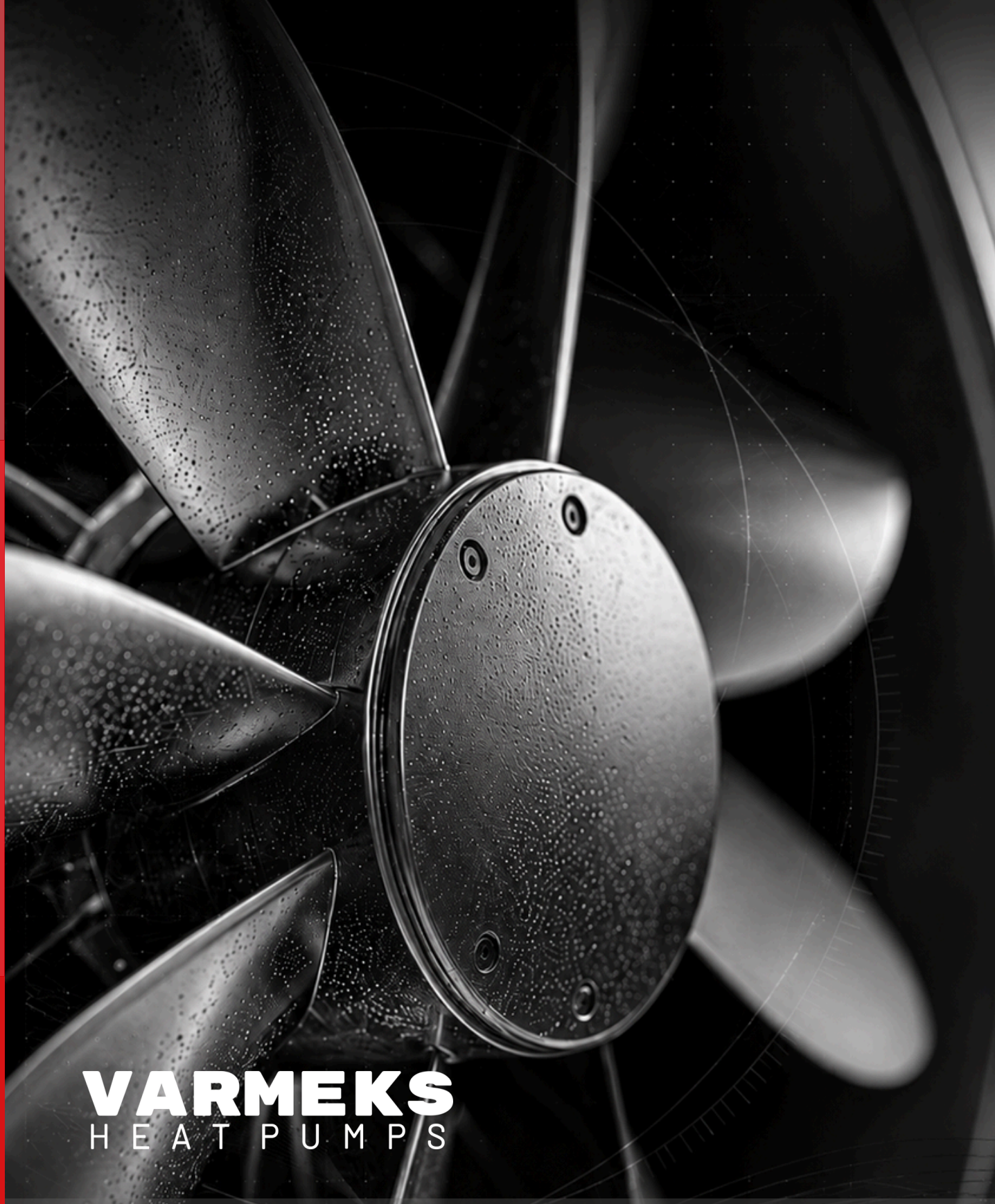
ENAMEL TSE-VS HP SERIES TECHNICAL DATA

Varmeks Model	160	200	300	500
Weight	79 kg	100 kg	140 kg	160 kg
Dimensions (height/diameter)	1050 X 580 mm	1280 X 580 mm	1780 X 580 mm	1630 X 750 mm
Max. boiler water temperature	95 °C	95 °C	95 °C	95 °C
Maximum working pressure	6 bar	6 bar	6 bar	6 bar
Insulating material	PU	PU	PU	PU
Insulating thickness	50 mm	50 mm	50 mm	50 mm
Outer cylinder material	Static painted galvanized sheet			Artificial leather
Heat Source Exchanger				
Water volume of the heat exchanger	11 L	18 L	26 L	33 L
Surface area	1.3 m^2	2.1 m^2	3.1 m^2	4 m^2
Maximum working pressure	6 bar	6 bar	6 bar	6 bar
Pipe Connection				
Feed water in/out (inch)	IG 1"	IG 1"	IG 1"	IG 1"
Cleaning flange	Universal	Universal	Universal	Universal
Electric heater (inch)	IG 1 1/4"	IG 1 1/4"	IG 1 1/4"	IG 1 1/4"
Domestic water in/out (inch)	IG 3/4"	IG 3/4"	IG 3/4"	IG 3/4"
Recirculation (inch)	IG 3/4"	IG 3/4"	IG 3/4"	IG 3/4"
Anode rod (inch)	IG 1 1/4"	IG 1 1/4"	IG 1 1/4"	IG 1 1/4"
Sensor (inch)	IG 1/2"	IG 1/2"	IG 1/2"	IG 1/2"
Blind connection (inch)	IG 1 1/4"	IG 1 1/4"	IG 1 1/4"	IG 1 1/4"

Varmeks reserves the right to make changes to this table at any time.



Single serpentine



VARMEKS
HEAT PUMPS

Büyükkayacık OSB, 103. Cadde No: 8, Selçuklu / Konya, Türkiye

+90 (444) 0 602

info@varmeks.com

www.varmeks.com.tr

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