

VARMEKS

HEAT PUMPS



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

TRUSTED WORLDWIDE.
DELIVERING COMFORT EVERYWHERE.



Table of Contents

About Us

04

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

Varm Silent Pool Series

08

Quiet and efficient pool heat pumps for reliable heating, cooling, and long-lasting performance in residential swimming pools.

Heat Pump Guide

05

Learn how heat pumps work and how they provide efficient heating, cooling, and hot water solutions.

Varm All Series

09

Domestic hot water heat pumps using ambient air energy for reliable and efficient hot water production.

Varm Up Series

06

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

Commercial Duo Series

10

High-capacity commercial heat pumps engineered for powerful, efficient, and reliable building applications.

Varm Boost Series

07

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

Commercial Pool Series

11

Commercial pool heat pump solutions designed for large pools with stable and efficient performance.



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.

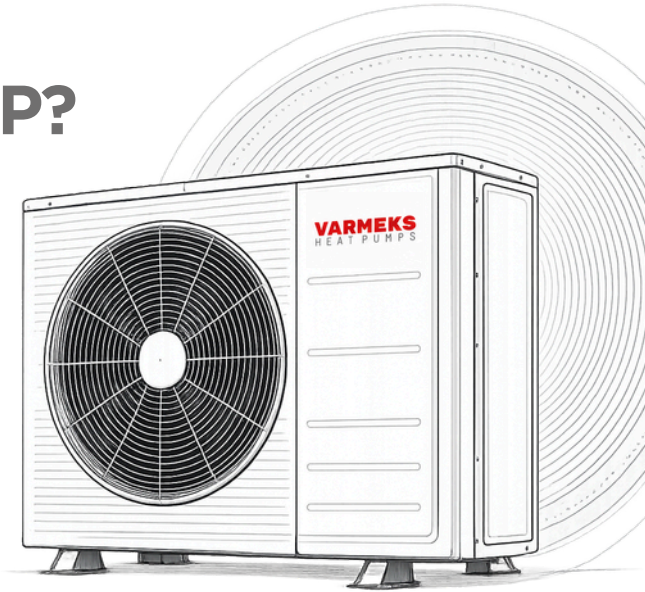
By manufacturing in our own facilities, we maintain full control over the entire process—from production to the end user—ensuring consistently high quality. Through continuous research and development, we create innovative solutions that prioritize energy efficiency and environmental sustainability. 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	6.1~18.5	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 (m³/h)	14	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 (mm)	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 (mm²)	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. 32 °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.



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 (mm²)	2.5	4	6	4
Pipe Diameter (mm)	DN25	DN25	DN25	DN25
Water Flow Rate (m³/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.



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	11 kW	14 kW	17 kW	20 kW	24 kW	28 kW	33 kW
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 Conditions: Air 27 °C, Water 26 °C, Humidity 80%								
Heating Capacity (kW)	9.50~21.00	11.00~25.00	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	37400~85000	47600~107100	57800~130900	68000~136000	81600~163200	95500~191000	110900~221000
Power Consumption (kW)	1.43~3.21	1.77~3.23	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	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
Cooling & Sound: Air 15 °C, Water 26 °C, Humidity 70%								
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 at 1m at 50% Capacity	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 Case							
Refrigerant	R32							
Power Supply	230V/1Ph/50Hz							
Compressor	Panasonic							
Four-Way Valve	Sanhua							
Expansion Valve	Sanhua							
Operating Water Temp (°C) *Heating	9~40							
Operating Water Temp (°C) *Cooling	9~35							
Water Connection (mm)	Φ50							
Nominal Input Current at 15°C Air (A)	6.3~9.0	7.8~10.0	9.3~15.0	11.3~16.0	14.3~18.0	17.8~23.0	20.8~28.0	24.2~33.0
Advised Water Flow (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/Gross Weight (kg)	62/70	64/72	77/87	81/91	81/91	95/105	110/122	115/127
Product Dimensions (mm)	1000*396*640			1125*416*765			1156*430*905	
Packing Dimensions (mm) (Carton)	1040*410*780			1165*430*905			1230*440*1030	

Technical data are nominal values under standard test conditions. Actual performance may vary. Varmeks reserves the right to change specifications without notice.
*Installation must be done with PVC piping.



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	m³/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.



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.

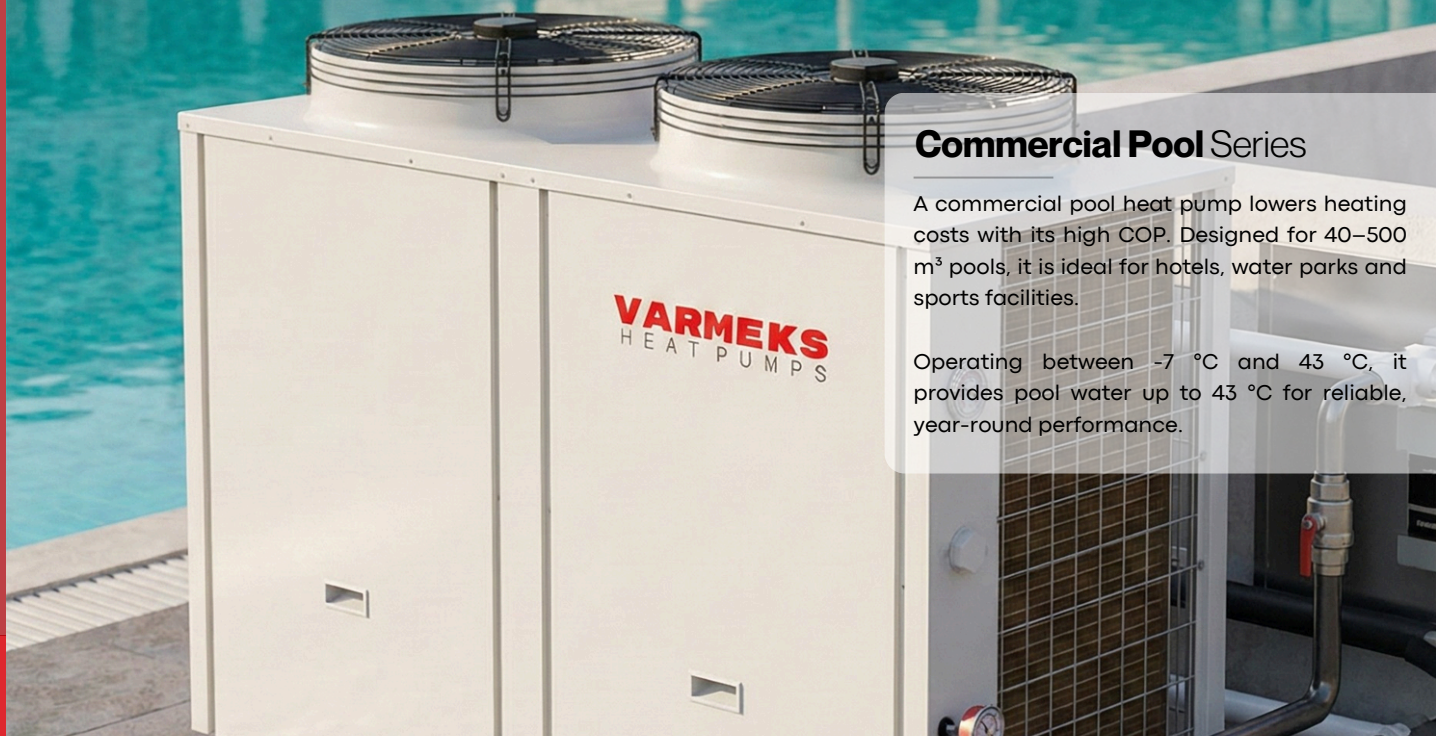
High COP/EER values, low noise, and a durable design ensure reliable performance.

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	I	I
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 (m ³ /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

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