

04



WATER HEATING

Silent efficiency – sustainable performance in an elegant design

Experience the new generation of pool heating: powerful, efficient, and almost silent. Our Mr. Silence 30 heat pump sets new standards with a **sound level of only 30 dB(A)** – barely audible, even in quiet environments. With an outstanding **COP of around 20**, it operates with exceptional energy efficiency, ensuring perfectly heated water with minimal energy consumption.

Our latest **designer heat pumps** – MIDA.Diva, MIDA.Cosma, and MIDA.Perla – impress not only with their performance but also with their aesthetics: A modern, elegant housing with no visible fan blends seamlessly into any pool environment. Thanks to state-of-the-art **full inverter technology** and PV compatibility, you can enjoy sustainable heating with maximum comfort.

Invest in innovative pool heating – for year-round swimming pleasure!

OVERVIEW

	HEAT PUMPS
NEW P. 116	Mr. Silence 30 
NEW P. 120	MIDA.Perla 
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NEW P. 124	MIDA.Cosma 
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	HEAT EXCHANGER
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	ELECTRIC HEATERS
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QUICK OVERVIEW – HEAT PUMP DIFFERENCES

Standard features on all models:

- titanium heat exchanger – ideal for saltwater and chlorine
- digital display
- pressure gauge (except MIDA.Diva)
- cooling, heating, and automatic mode
- automatic defrost function
- flow switch
- winter cover
- registered under WEEE Reg. No. DE 54436223 for recycling of old devices



HEATING



COOLING



AUTOMATIC

COMPARISON TABLE

	NEW				DISCONTINUED MODELS (available while stocks last)			
	Mr. Silence 30** Full-Inverter	MIDA.Perla** Full-Inverter	MIDA.Diva** Full-Inverter	MIDA.Cosma** Full-Inverter	MIDA.Joy Full-Inverter	MIDA.Black Full-Inverter	MIDA.Quick ON/OFF	MIDA.Public
temperature range	from -20°C to +43°C	from -20°C to +43°C	from -15°C to +43°C	from -15°C to +43°C	from -5°C to +43°C	from -10°C to +40°C	from -5°C to +35 °C	from -15°C to +53 °C
housing	aluminum alloy, painted	galvanized steel and aluminum	galvanized steel, painted	galvanized steel, painted	ABS plastic	ABS plastic	galvanized steel	galvanized steel, painted
versions	12-42 kW	13-32 kW	11-35 kW	13-35 kW	12-17 kW	8 or 21 kW	4-26 kW	55-190 kW
fan orientation	horizontal	horizontal	vertical	horizontal	horizontal	horizontal	horizontal	vertical
max. pool volume	approx. 120 m³	approx. 140 m³	approx. 130 m³	approx. 130 m³	approx. 75 m³	approx. 120 m³	approx. 100 m³	approx. 850 m³
sound pressure level (10m)	16-29 dB(A)	12-38 dB(A)	24-45 dB(A)	14-33 dB(A)	22-33 dB(A)	38-42 dB(A)	35-42 dB(A)	
Wi-Fi included	yes	yes	yes	yes	no	no	no	no
Wi-Fi optional	-	-	-	-	yes	no	yes	no
PV-Ready	no*	yes	yes	no*	no*	no	no*	no
refrigerant	R32	R32	R32	R32	R32	R32	R410A	R410A
display	3,5" glass touch LED display S/W	5" color touch display	3,5" color touch display	touch LED display S/W	4,7" glass touch LED display S/W	LED display	LED display	LCD display
min./max. water temperature	+12°C to +40°C	+8°C to +35°C	+8°C to +35°C	+8°C to +35°C	+8 °C/+35 °C	+8 °C/+40 °C	+8 °C/+40 °C	+8 °C/+43 °C

*Optional expansion to PV-ready is possible.



Environmentally friendly
refrigerant R32



** Products exclusive to professional retailers

FULL-INVERTER HEAT PUMPS

HIGHLY EFFICIENT AND ENERGY-SAVING

With the heat pumps Mr. Silence 30, MIDA.Perla, MIDA.Diva, and MIDA.Cosma, you are choosing a technically advanced solution based on full-inverter technology. This technology allows the compressor speed to adjust continuously and precisely to the required heating or cooling demand. Thanks to this efficient control, full-inverter heat pumps offer significantly lower energy consumption and reduced wear compared to conventional systems, resulting in a high seasonal performance factor (SCOP). Additionally, these heat pumps operate extremely quietly. At start-up, inverter technology requires only one-third of the time compared to traditional systems.

Compared to conventional heat pumps, the Mr. Silence 30, MIDA.Perla, MIDA.Diva, and MIDA.Cosma models achieve a higher COP and require significantly shorter start-up times. This saves costs.

What additional advantages does full-inverter technology offer?



- ✓ stepless control
- ✓ extended service life (the heat pump rarely runs at full load)
- ✓ shorter start-up curve of the heat pump
- ✓ significantly lower start-up currents
- ✓ very quiet operation
- ✓ improved COP values





HEAT PUMPS

FULL-INVERTER
MR. SILENCE 30

NEW

ENERGY-
SAVING

**

MR. SILENCE 30

Perfect Silence



15 years warranty*
on Mitsubishi compressor

operation
possible at air
temperatures as
low as -20°C



30 TIMES QUIETER

36 dB(A) at 1m distance

Experience the impressive silence of InverPad® Turbo Technology: virtually no mechanical noise, no refrigerant flow, and no vibrations.

The innovative PAD design ensures exceptional noise reduction and a minimalist, user-friendly experience.

With up to 15 dB(A) less noise level than conventional heaters, it achieves a drastic reduction in sound intensity.

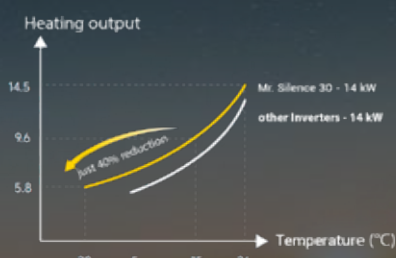


*Warranty: Heat exchanger 15 years / Compressor 15 years / Complete unit 7 years; each from the date of manufacture

** May only be offered online without price disclosure

READY FOR -20°C

With the Mr. Silence 30 heat pump, you can enjoy year-round swimming pleasure. Thanks to the advanced inverter control system, it optimizes the intelligent EVO defrost with a reverse cycle to ensure maximum heating performance and highest efficiency, even under the most extreme conditions.



SAVE 22 TIMES

Thanks to the InverPad® Turbo technology, the Mr. Silence 30 achieves exceptional system optimization, boosting the COP to up to 22. Through the precise tuning of the compressor, motor, and EEV, 1 kW of electricity generates an impressive heating output of up to 22 kW, with an average of 95% of the energy being sourced for free from the surrounding air.



INDUSTRY-LEADING NOISE SUPPRESSION

TWISTED TITANIUM HEAT EXCHANGER

HOUSING MADE OF ALUMINUM ALLOY

MITSUBISHI DUAL-ROTARY COMPRESSOR

REMARKABLE PAD DESIGN

PRECISE POWER CONSUMPTION DISPLAY

EVO DEFROST WITH REVERSE CYCLE

POWERFUL VENTILATION SYSTEM

BUILT-IN WI-FI

INVERPAD® TURBO

InverPad Turbo, an innovative and patented concept by Aquark, combines a special pad design with a revolutionary turbofan and a stepless DC inverter technology to fundamentally change the heating industry. Aquark aims to reduce the COP footprint through technological innovations and make a sustainable contribution to environmental protection.

The Mr. Silence 30 heat pump sets new standards in efficiency and noise levels. With its advanced turbofan ventilation system and proprietary inverter control technology, it achieves impressive noise reduction, operating up to 30 times quieter than comparable devices. Additionally, under optimal conditions, it achieves a coefficient of performance (COP) of up to 22, even at extreme outdoor temperatures as low as -20°C.





04 WATER HEATING

NEW

ENERGY-SAVING



EFFICIENT HEATING REDUCE YOUR CARBON FOOTPRINT

The Mr. Silence 30 heat pump is environmentally friendly thanks to its energy-efficient technology, which reduces the carbon footprint through a high COP value (up to 22). It uses the eco-friendly refrigerant R32 and helps reduce noise pollution with its quiet operation. Its durable construction minimizes waste, and year-round operation, even at -20°C, ensures sustainable energy generation from the surrounding air.

Technical Specifications		12 kW	17 kW	23 kW	34 kW	42 kW
	air outlet	horizontal				
	pool volume*	25 - 45 m³	35 - 65 m³	45 - 80 m³	66 - 110 m³	75 - 120 m³
	flow rate (recommended)	2 - 4 m³/h	4 - 6 m³/h	6 - 9 m³/h	10 - 12 m³/h	12 - 18 m³/h
	water connection	50 mm back side				
measuring conditions: air temperature 27°C*** water temperature 26°C	heating output	9,4 - 12,0 kW	13,6 - 17,5 kW	18,0 - 23,0 kW	26,0 - 33,5 kW	32,5 - 42,0 kW
	input power	0,19 - 1,56 kW	0,26 - 2,22 kW	0,33 - 2,68 kW	0,53 - 4,45 kW	0,71 - 5,80 kW
	operating current	0,70 - 5,78 A	1,13 - 9,43 A	1,39 - 11,65 A	0,77 - 6,45 A	1,01 - 8,41 A
	COP	19,7 - 8,1	20,4 - 7,2	22,0 - 8,2	19,5 - 8,0	18,9 - 7,8
measuring conditions: air temperature 15°C* water temperature 26°C	heating output	6,6 - 8,1 kW	9,5 - 12,0 kW	12,0 - 15,0 kW	18,8 - 23,0 kW	23,5 - 30,0 kW
	COP	8,1 - 5,7	9,0 - 5,8	9,6 - 6,0	8,0 - 5,6	7,8 - 5,5
	cooling output	5,5 kW	9,4 kW	11,9 kW	15,4 kW	20,0 kW
	water temperature	+12°C to +40°C				
	air temperature	-20°C to +43°C				
	safeguarding	12 A	19 A	22,5 A	11,3 A	15 A
	voltage / frequency range	230V / 1PH	230V / 1PH	230V / 1PH	400V / 3Ph	400V / 3Ph
	compressor brand	Mitsubishi				
	compressor	rotating				
	number of fans	1				
	cable cross section	3 x 2,5 mm³	3 x 2,5 mm³	3 x 4 mm³	5 x 2,5 mm³	5 x 2,5 mm³
	noise pressure level ¹	16,0 - 22,5 dB(A)	17,3 - 25,5 dB(A)	16,7 - 26,8 dB(A)	18,3 - 28,8 dB(A)	29,3 - 18,8 dB(A)
	noise pressure level ²	36,0 - 42,5 dB(A)	37,2 - 45,5 dB(A)	37,6 - 46,8 dB(A)	38,3 - 48,8 dB(A)	38,8 - 49,3 dB(A)
	protection class	IPX4				
	GWP-value	675				
	refrigerant/quantity	R32 / 1,15 kg	R32 / 1,35 kg	R32 / 1,55 kg	R32 / 3,0 kg	R32 / 3,6 kg
	alternative placement display	possible with additional external display				
	net dimensions W x D x H	936 x 494 x 655	1036 x 494 x 655	1104 x 494 x 757	1310 x 514 x 945	1405 x 514 x 1070
	delivery dimensions W x D x H	1005 x 550 x 685	1105 x 550 x 685	1175 x 550 x 785	1380 x 560 x 985	1475 x 560 x 1105
	net weight	83 kg	92 kg	100 kg	158 kg	186 kg
	delivery weight	92 kg	100 kg	112 kg	185 kg	210 kg
	Article Number	3169	3167	3165	3161	3160

INTUITIVE CONTROL

The Mr. Silence 30 heat pump offers maximum comfort through a modern digital touchscreen control panel, allowing for easy and intuitive operation. Alternatively, you can control the heat pump via a Wi-Fi-enabled smartphone app, ensuring complete remote control and monitoring.



InverGo App

The InverGo app enables intelligent control of your Mr. Silence 30 pool heat pump directly via your smartphone.

Main features:

- Turning the heat pump on and off**
 You can conveniently turn the heat pump on or off via the app.
- Mode selection**
 Choose between different operating modes such as "Silence" for quiet operation or "Boost" for rapid heating..
- Temperature control**
 Set the desired water temperature precisely.
- Timer function**
 Schedule the operating times of your heat pump in advance.
- Weather forecast**
 Get real-time weather information to optimally adjust the operation of your pool heater.

FULL-INVERTER HEAT PUMP MIDA.PERLA

NEW

ENERGY-
SAVING

EXCLUSIVE
MIDAS



environmentally friendly
refrigerant R32



operation
possible at air
temperatures as
low as -20°C



5 years warranty*
on Panasonic compressor

including
WiFi ADAPTER

COP value
up to 22,3



This heat pump already meets the technical requirements to be operated with renewable energy sources (photovoltaic, solar, etc.).

FEATURES

- available in sizes from 13-32 kW
- COP value up to 22,3
- operating range from -20°C to +43°C
- pool volume up to approx. 140 m³ (depending on the size)
- housing made of galvanized steel and aluminum
- color: Anthracite
- stepless control
- max. water temperature (operation) to +35 °C
- refrigerant R32
- manometer
- electrical protection: slow-blow fuse C-type circuit breaker (RCCB), RCD 30 mA < 0.1 s
- with display protection housing



- operating modes: heating, cooling, automatic
- automatic defrost system
- equipped with titanium heat exchanger – ideal for saltwater and chlorinated water
- 5" color touchscreen display
- operating timer / silent mode with timer
- Wi-Fi module pre-installed
- **includes** winter cover
- **includes** flow switch

Accessories – see page 134

*Since the sizing of the heat pump depends on several factors, the current heating demand should always be determined in advance. We offer a calculation aid for this purpose, which we will be happy to provide upon request. Simply scan the QR code!



VERSIONS MIDA.PERLA

Technical Specifications	MIDA.Perla 13*	MIDA.Perla 19**	MIDA.Perla 24	MIDA.Perla 32	
air outlet	horizontal				
pool volume*	max. approx. 40 m ³	max. approx. 80 m ³	max. approx. 100 m ³	max. approx. 140 m ³	
flow rate (recommended)	4,5 m ³ /h	7,3 m ³ /h	10,0 m ³ /h	12,4 m ³ /h	
water connection	50 mm back side				
measuring conditions air temperature 27°C** water temperature 26°C	heating output (Boost Mode)	12,5 kW	18,5 kW	23,5 kW	32 kW
	heating output	1.2~10.5 kW/ 4.09~35.83 kBtu/h	3.2~17 kW/ 10.92~58.00 kBtu/h	3.1~21.5 kW/ 10.58~73.36 kBtu/h	4~30 kW/ 13.65~102.36 kBtu/h
	input power	0,06-1,50 kW	0,14-2,33 kW	0,15-3,03 kW	0,20-4,23 kW
	operating current	0,26-6,52 A	0,61-10,13 A	0,23-4,60 A	0,30-6,43 A
	COP	21.5~7	22.3~7.3	21.0~7.1	20.2~7.1
measuring conditions air temperature 15°C+ water temperature 26°C	heating output	1~8.1 kW/ 3.412~27.64 kBtu/h	2.5~13 kW/ 8.53~44.36 kBtu/h	2.4~18.5 kW/ 8.19~63.12 kBtu/h	3.1~23.1 kW/ 10.58~78.82 kBtu/h
	input power	0,13-1,59 kW	0,29-2,41 kW	0,25-3,30 kW	0,39-4,53 kW
	operating current	0,57-6,91 A	1,26-10,48 A	0,38-5,02 A	0,59-6,89 A
	COP	7.9~5.1	8.5~5.4	9.5~5.6	8.0~5.1
water temperature	+8 °C to +40°C				
air temperature	-20°C to approx.+43°C				
safeguarding	16 A		3 x 16 A		
voltage / frequency range	220-240V~/1Ph 50 HZ (60HZ)		380-400V~/3Ph 50 HZ (60HZ)		
compressor brand	Panasonic				
compressor	rotating				
number of fans	1				
cable cross section	3*2.5mm ²		5*2.5mm ²		
noise pressure level ¹	27~48.5 dB(A)	29~50 dB(A)	30~50 dB(A)	32~55.2 dB(A)	
noise pressure level ²	43 dB(A)	43 dB(A)	43 dB(A)	44 dB(A)	
protection class	IPX4				
GWP-value	675				
refrigerant/quantity	R32 / 0,55 kg	R32 / 0,95 kg	R32 / 1,15 kg	R32 / 1,5 kg	
alternative placement display	possible				
net dimensions W x D x H	1060x475x768		1144 x 489 x 865		
delivery dimensions W x D x H	1130x485x910		1210 x 515 x 1010		
net weight	79 kg	109 kg	135 kg	143 kg	
Article Number	4010	4012	4015	4017	

*supplied with 2 m cable and plug
**supplied with 3 m cable without plug



Aqua Temp

"for communication with your heat pump

Operating status monitoring

You can view the current status of your pool heater, including the available hot water volume and the current outlet temperature



Heater control:

The app allows you to switch the pool heater on or off, set the desired water temperature, select the operating mode, and configure timer settings

Error notifications:

In the event of malfunctions or errors, you will receive immediate notifications, allowing you to respond quickly.



FULL-INVERTER HEAT PUMP MIDA.DIVA

NEW

ENERGY-
SAVING

EXCLUSIVE
MIDAS



environmentally friendly
refrigerant R32



including
Wi-Fi ADAPTER

5 years warranty*
on Panasonic compressor

COP value
up to 18,6



This heat pump already meets the technical requirements to be operated with renewable energy sources (photovoltaic, solar, etc.).

FEATURES

- available in sizes from 11-35 kW
- COP value up to 18,6
- operating range from -15°C to +43°C
- pool volume up to approx. 130 m³ (depending on the size)
- housing made of galvanized steel
- color: Anthracite
- stepless control
- max. water temperature (operation) to +35 °C
- refrigerant R32
- pressure gauge readable via display in the parameter menu
- electrical protection: slow-blow fuse (C-Automat), residual current circuit breaker (RCCB) 30 mA < 0,1s
- with protective housing for the display



- operating modes: heating, cooling, automatic
- automatic defrost system
- equipped with titanium heat exchanger – for saltwater and chlorinated water
- 3,5" color touchscreen display
- operating timer / silent mode with timer
- Wi-Fi module pre-installed
- **includes** winter cover
- **includes** flow switch

Accessories – see page 134

*Since the sizing of the heat pump depends on several factors, the current heating demand should always be determined in advance. We offer a calculation aid for this purpose, which we will be happy to provide upon request. Simply scan the QR code!



VERSIONS MIDA.DIVA

Technical Specifications	MIDA.Diva 11*	MIDA.Diva 17**	MIDA.Diva 25	MIDA.Diva 35	
air outlet	vertical				
pool volume*	25-55 m³	35-70 m³	45-95 m³	65-130 m³	
flow rate (recommended)	6 m³/h	7,5 m³/h	9,8 m³/h	14,6 m³/h	
water connection	50 mm				
measuring conditions air temperature 27°C** water temperature 26°C	heating output	2,52-10,8 kW/ 8,60~36,85 kBtu/h	3,51-17 kW/ 11,98~58 kBtu/h	5,22-25 kW/ 17,81~85,3 kBtu/h	7,38~35 kW/ 25,18~119,42 kBtu/h
	input power	0,14-1,65 kW	0,19-2,72 kW	0,28-3,69 kW	0,40~5,70 kW
	operating current	0,61~7,17 A	0,83~11,83 A	0,43~5,61 A	0,61~8,66 A
	COP	18-6,55	18,5-6,25	18,6-6,77	18,5~6,14
measuring conditions air temperature 15°C* water temperature 26°C	heating output	1,98-8,73 kW/ 6,76~29,79 kBtu/h	2,61-12,0 kW/ 8,91~40,95 kBtu/h	4,05-19,2 kW/ 13,82~65,51 kBtu/h	5,85~28 kW/ 19,96~95,54 kBtu/h
	input power	0,23-1,87 kW	0,30-2,63 kW	0,46-4,02 kW	0,73-6,13 kW
	operating current	1,0~8,13 A	1,31~11,43 A	0,70~6,11 A	1,11~9,32 A
	COP	8,56-4,67	8,79-4,57	8,80-4,77	8,03~4,57
water temperature	+8 °C to +35°C				
air temperature	-15°C to +43°C				
safeguarding	16 A	16 A	3 x 16 A	3 x 16 A	
voltage / frequency range	220-240V~/1Ph		380-400V~/3Ph		
compressor brand	Panasonic				
compressor	rotating				
number of fans	1				
cable cross section	3 x 2,5 mm²		5 x 2,5 mm²		
noise pressure level ¹	24-34 dB(A)	26-36 dB(A)	30-40 dB(A)	35-45 dB(A)	
noise pressure level ²	44-54 dB(A)	46-56 dB(A)	50-60 dB(A)	55-65 dB(A)	
protection class	IPX4				
GWP-value	675				
refrigerant/quantity	R32 / 0,65 kg	R32 / 0,85 kg	R32 / 1,3 kg	R32 / 1,8 kg	
alternative placement display	possible				
net dimensions W x D x H	600 x 600 x 925 mm	600 x 600 x 925 mm	690 x 690 x 1090 mm	750 x 750 x 1200 mm	
delivery dimensions W x D x H	710 x 670 x 1095 mm	710 x 670 x 1095 mm	795 x 755 x 1265 mm	860 x 860 x 1424 mm	
net weight	88 kg	88 kg	120 kg	127 kg	
Article Number	4020	4021	4025	4028	

*supplied with 2 m cable and plug
**supplied with 3 m cable without plug



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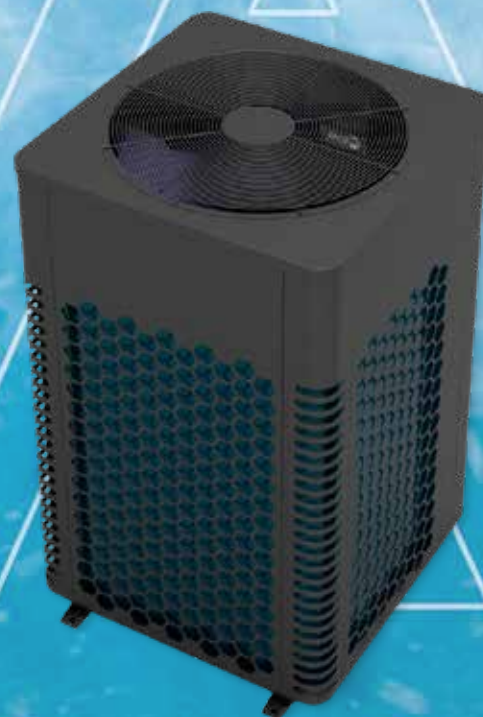


Heater control:

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Error notifications:

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FULL-INVERTER HEAT PUMP MIDA.COSMA

NEW

ENERGY-
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EXCLUSIVE
MIDAS



environmentally friendly
refrigerant R32



5 years warranty*
on Panasonic compressor

including
Wi-Fi ADAPTER

**COP value
up to 18,5**



FEATURES

- available in sizes from 13-35 kW
- COP value up to 18,5
- operating range from -15°C to +43°C
- pool volume up to approx. 130 m³ (depending on the size)
- housing made of galvanized steel
- color: Dark gray
- stepless control
- max. water temperature (operation) to +35 °C
- refrigerant R32
- manometer
- side-facing fan direction
- electrical protection: slow-blow fuse (C-Automat), residual current circuit breaker (RCCB) 30 mA < 0,1s



- operating modes: heating, cooling, automatic
- automatic defrost system
- equipped with titanium heat exchanger – for saltwater and chlorinated water
- S/W LED touch display
- operating timer / silent mode with timer
- Wi-Fi module pre-installed
- **includes** winter cover
- **includes** flow switch

Accessories – see page 134

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VERSIONS MIDA.COSMA

	Technical Specifications	MIDA.Cosma 13*	MIDA.Cosma 20**	MIDA.Cosma 28	MIDA.Cosma 35
	air outlet	sideways			
	pool volume*	40-70 m³	60-100 m³	70-115 m³	80-130 m³
	flow rate (recommended)	4,1 m³/h	5,6 m³/h	10,3 m³/h	12,5 m³/h
	water connection	50 mm back side			
measuring conditions air temperature 27°C** water temperature 26°C	heating output	2,4~13 kW/ 8,19~44,36 kBtu/h	3,5~20 kW/ 1,94~68,24 kBtu/h	7,7~28 kW/ 26,27~95,54 kBtu/h	7,8~35 kW/ 26,61~119,42 kBtu/h
	input power	0,13~1,97 kW	0,19~3,08 kW	0,42~4,59 kW	0,42~5,83 kW
	operating current	0,57~8,57 A	0,83~13,39 A	0,64~6,98 A	0,64~8,86 A
	COP	18,5~6,6	18,3~6,5	18,5~6,1	18,5~6,0
	heating output	1,6~9,1 kW/ 5,46~31,05 kBtu/h	2,5~14,7 kW/ 8,53~50,16 kBtu/h	4,9~18,9 kW/ 16,72~64,49 kBtu/h	5~21,2 kW/ 17,06~72,33 kBtu/h
measuring conditions air temperature 15°C* water temperature 26°C	input power	0,20~1,78 kW	0,31~3,00 kW	0,60~3,78 kW	0,61~4,33 kW
	operating current	0,87~7,74 A	1,35~13,04 A	0,91~5,74 A	0,93~6,58 A
	COP	8,1~5,1	8,1~4,9	8,2~5,0	8,2~4,9
	water temperature	+8 °C to +35°C			
	air temperature	-15°C to +43°C			
	safeguarding	16 A	16 A	3 x 13 A	3 x 16 A
	voltage / frequency range	220-240V / 1Ph		380V / 3N	
	compressor brand	Mitsubishi		Panasonic	
	compressor	rotating			
	number of fans	1			
	cable cross section	3 x 2,5 mm²		5 x 2,5 mm²	
	noise pressure level ¹	15-25 dB(A)	19-29 dB(A)	22-32 dB(A)	24-33 dB(A)
	noise pressure level ²	35-45 dB(A)	39-49 dB(A)	42-52 dB(A)	44-53 dB(A)
	protection class	IPX4			
	GWP-value	675			
	refrigerant charge	0,5 kg	0,8 kg	1,3 kg	1,3 kg
	alternative placement display	possible with additional external display			
	net dimensions W x D x H	1030 x 455 x 635 mm	1210 x 530 x 900 mm	1210 x 530 900 mm	1210 x 530 x 900 mm
	delivery dimensions W x D x H	1090 x 465 x 775 mm	1250 x 530 x 1010 mm	1245 x 530 x 1010 mm	1245 x 530 x 1010 mm
	net weight	60 kg	90 kg	90 kg	100 kg
	delivery weight	75 kg	110 kg	110 kg	120 kg
	Article Number	4052	4054	4057	4058

*supplied with 2 m cable and plug

**supplied with 3 m cable without plug

This heat pump can be upgraded to PV-ready functionality with an additional external display.



FULL-INVERTER HEAT PUMP MIDA.JOY

Discontinued model
Only while supplies last!

EXCLUSIVE MIDAS

ENERGY-SAVING

PRICE REDUCTION

FULL INVERTER

R32 environmentally friendly refrigerant R32



KNX

6 years warranty on Panasonic and Mitsubishi compressor

OPTIONAL
WiFi ADAPTER



Download on the **App Store**

GET IT ON **Google Play**



#2603

FEATURES

- available in sizes from 12-17 kW
- COP value up to 11,25
- operating range from -5°C to +43°C
- pool volume up to approx. 75 m³ (depending on the size)
- housing made of ABS plastic
- color: Gray
- stepless control
- max. water temperature (operation) to +35 °C
- refrigerant R32
- manometer
- electrical protection: slow-blow fuse (C-Automat), residual current circuit breaker (RCCB) 30 mA < 0,1s



- operating modes: heating, cooling, automatic
- automatic defrost system
- equipped with titanium heat exchanger – for saltwater and chlorinated water
- with 4,7" glass touch LED display S/W
- **includes** winter cover
- **includes** flow switch
- supplied with 2 m cable and plug

Accessories – see page 134

*Since the sizing of the heat pump depends on several factors, the current heating demand should always be determined in advance. We offer a calculation aid for this purpose, which we will be happy to provide upon request. Simply scan the QR code!



VERSIONS MIDA.JOY

	Technical Specifications	MIDA.Joy 12	MIDA.Joy 17
	air outlet	horizontal	horizontal
	pool volume*	max. approx. 60 m ³	max. approx. 75 m ³
	flow rate (recommended)	4.1 m ³ /h	5.2 m ³ /h
	water connection	50 mm back side	50 mm back side
measuring conditions air temperature 27°C** water temperature 26°C	heating output	1,80-11,90 kW	3,25-16,80 kW
	input power	0,16-1,92 kW	0,30-2,91 kW
	operating current	1,08-8,96 A	1,30-12,65 A
	COP	6,19-11,25	5,77-10,83
measuring conditions air temperature 15°C* water temperature 26°C	heating output	1,60-8,40 kW	2,55-12,60 kW
	input power	0,26-1,81 kW	0,44-2,80 kW
	operating current	1,13-7,86 A	1,91-12,17 A
	COP	4,64-6,15	4,50-5,80
	water temperature	+8 °C to +35°C	+8 °C to +35°C
	air temperature	-5°C to +43°C	-5°C to +43°C
	safeguarding	16 A	16 A
	voltage / frequency range	230V/1pH 20-90 Hz	230V/1pH 20-85 Hz
	compressor brand	Panasonic	Mitsubishi
	compressor	rotating	rotating
	number of fans	1	1
	cable cross section	3 x 2,5 mm ²	3 x 2,5 mm ²
	noise pressure level ¹	22-32 dB(A)	24-33 dB(A)
	noise pressure level ²	42-53 dB(A)	43-54 dB(A)
	protection class	IPX4	IPX4
	GWP-value	675	675
	alternative placement display	possible	possible
	refrigerant/quantity	R32/0,45 kg	R32/0,6 kg
	net dimensions W x D x H	1000 x 418 x 605 mm	1046 x 435 x 767 mm
	delivery dimensions W x D x H	1030 x 435 x 615 mm	1130 x 480 x 780 mm
	net weight	51 kg	66 kg
	delivery weight	62 kg	79 kg
	Article Number	3111	3112



This heat pump already meets the technical requirements to be operated with renewable energy sources (photovoltaic, solar, etc.).

HEAT PUMP MIDA.BLACK

Discontinued model
Only while supplies last!

EXCLUSIVE
MIDAS



#2950 #2954

PV-Ready!*

5 years warranty
on Gree compressor

FEATURES

- available in sizes 8 or 21 kW
- COP value up to 6,6
- operating range from -10°C to +40°C
- pool volume up to approx. 120 m³ (depending on the size)
- housing made of ABS plastic
- color: Black
- max. water temperature (operation) to +40 °C
- refrigerant R32
- manometer
- electrical protection: slow-blow fuse (C-Automat), residual current circuit breaker (RCCB) 30 mA < 0,1s



- operating modes: heating, cooling, automatic
- automatic defrost system
- equipped with titanium heat exchanger – for saltwater and chlorinated water
- with LED display
- **includes** winter cover
- **includes** flow switch

Accessories – see page 134

*Since the sizing of the heat pump depends on several factors, the current heating demand should always be determined in advance. We offer a calculation aid for this purpose, which we will be happy to provide upon request. Simply scan the QR code!

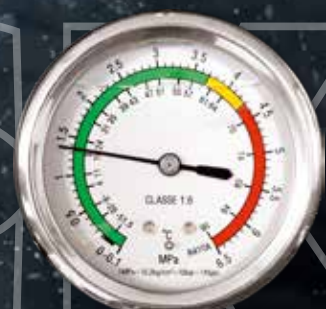


VERSIONS OF MIDA.BLACK

Technical Specifications	MIDA.Black 8	MIDA.Black 21	
air outlet		horizontal	
pool volume*	max. 30 m ³	max. 120 m ³	
water flow (recommended)	5,0 m ³ /h	12,0 m ³ /h	
connection		50 mm backside	
measurement conditions air temperature 24°C* water temperature 26°C	heating power	7,6 kW/ 25,9 kBtu/h	20,6 kW/70,3 kBtu/h
	input power	1,36 kW	3,14 kW
	operating current	6,22 A	3 x 7,36 A
	COP	5,6	6,6
measurement conditions air temperature 15°C* water temperature 26°C	heating power	6,1 kW/20,7 kBtu/h	7,92 kW/61,1 kBtu/h
	input power	1,21 kW	3,57 kW
	operating current	5,55 A	3 x 7,45 A
	COP		5,0
min. water temperature		+8 °C	
safeguarding	16 A	3 x 10 A	
voltage / frequency range	230 V/1 pH/50 Hz	400 V/3 pH/50 Hz	
compressor brand		Gree	
compressor	rotating	rolling	
number of fans		1	
cable cross section	3 x 2,5 mm ²	5 x 2,5 mm ²	
noise pressure level ¹	38 dB(A)	42 dB(A)	
noise pressure level ²	52 dB(A)	60 dB(A)	
protection class		IPX4	
GWP-value		675	
alternative placement display		possible	
display extension		incl. 10 m Cable	
refrigerant charge	0,75 kg	1,45 kg	
net dimensions B x T x H	970 x 360 x 585 mm	1110 x 446 x 958 mm	
delivery dimensions B x T x H	1060 x 380 x 615 mm	1150 x 475 x 1088 mm	
net weight	48 kg	100 kg	
delivery weight	55 kg	117 kg	
Article number	2950	2954	



*This heat pump already meets the technical requirements for operation with renewable energies (photovoltaic, solar, etc.).



HEAT PUMP MIDA.QUICK

Discontinued model
Only while supplies last!



6 years warranty
on Gree compressor
on Mitsubishi compressor
on Sanyo compressor

#2700, #2708, #2703, #2704, #2705

VERSIONS MIDA.QUICK

Technical Specifications	MIDA.Quick 4	MIDA.Quick 7	MIDA.Quick 10	MIDA.Quick 13	
air outlet	horizontal	horizontal	horizontal	horizontal	
pool volume*	max. approx.10 m ³	max. approx. 20 m ³	max. approx. 45 m ³	max. approx. 60 m ³	
flow rate (recommended)	1,5 m ³ /h	2,3 m ³ /h	4,5 m ³ /h	5,3 m ³ /h	
water connection	50 mm rear side	50 mm rear side	50 mm rear side	50 mm rear side	
measuring conditions air temperature 24°C* water temperature 26°C	heating output	3,5 kW/ 11,9 kBtu/h	6,7 kW/ 22,7 kBtu/h	9,5 kW/ 32,4 kBtu/h	12,5 kW/ 42,65 kBtu/h
	input power	0,76 kW	1,31 kW	1,9 kW	2,8 kW
	operating current	3,5 A	5,7 A	8,7 A	12,8 A
COP	4,6	5,1	5,0	4,5	
measuring conditions air temperature 15°C* water temperature 26°C	heating output	2,6 kW/ 8,9 kBtu/h	4,2 kW/ 14,2 kBtu/h	7,1 kW/ 24,2 kBtu/h	9,4 kW/ 32,1 kBtu/h
	input power	0,7 kW	0,97 kW	1,8 kW	2,3 kW
	operating current	3,0 A	4,21 A	8,2 A	10,7 A
COP	3,7	4,3	4,0	4,1	
water temperature	+8 °C to +40°C	+8 °C to +40°C	+8 °C to +40°C	+8 °C to +40°C	
air temperature	-5°C to +35°C	-5°C to +35°C	-5°C to +35°C	-5°C to +35°C	
safeguarding	10 A	10 A	16 A	20 A	
voltage / frequency range	230 V/1 pH/50 Hz	230 V/1 pH/50 Hz	230 V/1 pH/50 Hz	230 V/1 pH/50 Hz	
compressor brand	Gree	Gree	Gree	Gree	
compressor	rotating	rotating	rotating	rotating	
number of fans	1	1	1	1	
cable cross section	3 x 1,5 mm ²	3 x 1,5 mm ²	3 x 2,5 mm ²	3 x 2,5 mm ²	
noise pressure level ¹	35 dB(A)	38 dB(A)	40 dB(A)	40 dB(A)	
noise pressure level ²	47 dB(A)	51 dB(A)	53 dB(A)	53 dB(A)	
protection class	IPX4	IPX4	IPX4	IPX4	
GWP-value	2088	2088	2088	2088	
refrigerant charge	0,37 kg	0,6 kg	0,85 kg	1,0 kg	
alternative placement display	possible	possible	possible	possible	
net dimensions W x D x H	811 x 305 x 583 mm	811 x 305x 583 mm	974 x 385 x 605 mm	974 x 385 x 605 mm	
delivery dimensions W x D x H	910 x 310 x 590 mm	910 x 310 x 590 mm	1070 x 390 x 615 mm	1070 x 390 x 615 mm	
net weight	35 kg	39 kg	58 kg	63 kg	
delivery weight	37 kg	41 kg	60 kg	70 kg	
Article Number	2700	2708	2703	2704	



FEATURES

- available in sizes from 4-26 kW
- COP value up to 3,7 – 5,9
- operating range from -5°C to +35°C
- pool volume up to approx. 100 m³ (depending on the size)
- housing made of galvanized steel
- color: RAL 7016 Anthracite



- operating modes: heating, cooling, automatic
- automatic defrost system
- equipped with titanium heat exchanger – for saltwater and chlorinated water
- with LED display
- **includes** winter cover
- **includes** flow switch
- max. water temperature (operation) to +40°C
- refrigerant R410 A
- manometer
- electrical protection: slow-blow fuse (C-Automat), residual current circuit breaker (RCCB) 30 mA < 0,1s

Accessories – see page 134



*Since the sizing of the heat pump depends on several factors, the current heating demand should always be determined in advance. We offer a calculation tool for this purpose, which we will gladly provide upon request. Simply scan the QR code!

MIDA.Quick 17	MIDA.Quick 21	MIDA.Quick 26
horizontal	horizontal	horizontal
max. approx. 95 m³	max. approx. 120 m³	max. approx. 135 m³
6,0 m³/h	8,0 m³/h	7,9 m³/h
50 mm rear side	50 mm lateral	50 mm lateral
15,8 kW/ 53,91 kBtu/h	18,6 kW/ 63,46 kBtu/h	25,0 kW/ 85,0 kBtu/h
2,7 kW	3,2 kW	5,0 kW
13,3 A	15,6 A	3 x 8,3 A
5,9	5,9	5,0
12,5 kW/ 42,65 kBtu/h	15,4 kW/ 52,54 kBtu/h	18,4 kW/ 62,78 kBtu/h
2,5 kW	3,0 kW	4,1 kW
12,6 A	15,1 A	7,9 A
4,9	5,1	4,5
+8 °C to +40°C	+8 °C to +40°C	+8 °C to +40°C
-5°C to +35°C	-5°C to +35°C	-5°C to +35°C
20 A	20 A	3 x 16 A
230 V/1 pH/50 Hz	230 V/1 pH/50 Hz	400 V/3 pH/50 Hz
Mitsubishi	Sanyo	Sanyo
rotating	rotating	rotating
1	2	2
3 x 4,0 mm²	3 x 4,0 mm²	5 x 2,5 mm²
40 dB(A)	40 dB(A)	42 dB(A)
53 dB(A)	53 dB(A)	58 dB(A)
IPX4	IPX4	IPX4
2088	2088	2088
1,3 kg	2,6 kg	2,7 kg
possible	possible	possible
1134 x 475 x 845 mm	1120 x 475 x 1240 mm	1120 x 470 x 1240 mm
1230 x 495 x 855 mm	1200 x 490 x 1280 mm	1200 x 490 x 1280 mm
97 kg	103 kg	130 kg
111 kg	118 kg	140 kg
2705	2706	2707



#2706, #2707

This heat pump can be upgraded to PV-ready functionality with an additional external display.

HEAT PUMP MIDA.PUBLIC

PV-Ready!*



2 years manufacturer's warranty

Warranty on Sanyo and Copeland compressors: 6 years

VERSIONS OF MIDA.PUBLIC

Technical Specifications	MIDA.Public 55	MIDA.Public 95	MIDA.Public 120
air outlet	vertical	vertical	vertical
pool Volume*	max. 250 m ³	max. 440 m ³	max. 550 m ³
water flow (recommended)	25 m ³ /h	2,3 m ³ /h	35 m ³ /h
connection	63 mm	110 mm	110 mm
HEATING Measurement conditions Air temperature 24°C* Water temperature 26°C	heating power 55 kW / 187,7 kBtu/h	95 kW / 324,1 kBtu/h	120 kW / 409,4 kBtu/h
input power	9,65 kW / 32,93 kBtu/h	16,1 kW / 54,93 kBtu/h	21,8 kW / 74,38 kBtu/h
operating current	3 x 17,18 A	3 x 28,8 A	3 x 39 A
COP	5,7	5,9	5,9
HEATING Measurement conditions Air temperature 15°C* Water temperature 29°C	heating power 38 kW / 129,7 kBtu/h	62 kW / 211,5 kBtu/h	80 kW / 273 kBtu/h
input power	0,7 kW	0,97 kW	20,0 kW / 68,24 kBtu/h
operating current	3,0 A	4,21 A	3 x 35,8 A
COP	3,7	4,3	5,1
COOLING Measurement conditions Air temperature 35°C* Water temperature 30°C	cooling capacity 29,70 kW / 101,34 kBtu/h	37,25 kW / 127,09 kBtu/h	51,80 kW / 176,76 kBtu/h
consumed power	11,80 kW / 40,26 kBtu/h	17,75 kW / 60,56 kBtu/h	20,29 kW / 69,23 kBtu/h
operating current	3 x 20,26 A	3 x 35,32 A	3 x 35,28 A
EER	2,52	2,10	2,55
min. water temperature	+8 °C	+8 °C	+8 °C
safeguarding	3 x 23 A	3 x 40 A	3 x 46 A
voltage / frequency range	400 V / 3 pH / 50 Hz	400 V / 3 pH / 50 Hz	400 V / 3 pH / 50 Hz
compressor brand	Sanyo	Sanyo	Sanyo
compressor	2 x scroll	2 x scroll	2 x scroll
number of fans	2	3	3
cable cross section	5 x 8 mm ²	5 x 16 mm ²	5 x 16 mm ²
noise pressure level ²	60 dB(A)	61 dB(A)	62 dB(A)
protection class	IPX4	IPX4	IPX4
refrigerant charge	2 x 2,5 kg	4 x 2,4 kg	2 x 6,5 kg
alternative placement display	possible	possible	possible
net dimensions B x T x H	1448 x 730 x 1060 mm	2180 x 1080 x 1930 mm	2180 x 1080 x 1930 mm
shipping dimensions B x T x H	1630 x 810 x 1180 mm	2240 x 1200 x 2050 mm	2240 x 1200 x 2050 mm
net weight	260 kg	644 kg	622 kg
delivery weight	299 kg	712 kg	707 kg
Code	2681	2682	2683

FEATURES

- available in sizes from 55 – 190 kW
- COP value of 5.7 – 5.9
- operating range is -15 °C to +43 °C
- pool volume is 250 – 850 m³
- housing made of galvanized steel with powder painting
- color: white



- cooling & heating function
- automatic defrosting
- with titanium heat exchanger, excellent suitable for salt water and chlorine
- with digital LCD display
- **included** water flow switch
- max. water temperature +43 °C
- refrigerant R410A
- RS485 connection port (centralized control)
- pressure gauge
- supplied without cable

Accessories – see page 134



*Since the version of the heat pump depends on several factors, the current heat requirement should generally be determined beforehand. There is a calculation aid for this, which we can provide on request. Simply scan the QR code!

*This heat pump already meets the technical requirements for operation with renewable energies (photovoltaic, solar, etc.).



MIDA.Public 145	MIDA.Public 190
vertical	vertical
max. 650 m ³	max. 850 m ³
42 m ³ /h	60 m ³ /h
110 mm	110 mm
145 kW / 494,7 kBtu/h	190 kW / 648,3 kBtu/h
25,4 kW / 86,66 kBtu/h	32,8 kW / 111,91 kBtu/h
3 x 45,4 A	3 x 58,6 A
5,71	5,79
90 kW / 307, kBtu/h	125 kW / 426,5 kBtu/h
29,4 kW / 100,31 kBtu/h	30,8 kW / 105,09 kBtu/h
3 x 42,0 A	3 x 55,1 A
5,1	5,2
59,56 kW / 203,23 kBtu/h	95,80 kW / 326,85 kBtu/h
27,45 kW / 93,66 kBtu/h	37,88 kW / 129,25 kBtu/h
3 x 51,71 A	3 x 75,34 A
2,17	2,53
+8 °C	+8 °C
3 x 55 A	3 x 82 A
400 V / 3 pH / 50 Hz	400 V/3 pH/50 Hz
Copeland	Copeland
2 x scroll	4 x scroll
2	2
5 x 25 mm ²	5 x 35 mm ²
63 dB(A)	67 dB(A)
IPX4	IPX4
2 x 8,0 kg	4 x 6,0 kg
possible	possible
2180 x 1080 x 2060 mm	2180 x 1080 x 2060 mm
2330 x 1220 x 2200 mm	2240 x 1220 x 2120 mm
664 kg	891 kg
709 kg	964 kg
2684	2685



HEAT PUMP ACCESSORIES

CONNECTION MODULE FOR LINK-TOUCH

Required as an accessory for temperature control of the heat pump via Link-Touch (see page 236). The connection is made between the circuit board and the display via the heat pump's connector. Compatible with MIDA.Perla, MIDA.Diva, MIDA.Cosma, MIDA.Maxx, MIDA.Force, MIDA.Boost & MIDA.Joy. Note: **Cannot** be connected simultaneously with the Wi-Fi module.



#3601

Article	Article Number
connection plug	3601



BYPASS-SET FOR HEAT PUMPS

EXCLUSIVE MIDAS

PRICE REDUCTION

Scope of delivery includes the following individual components:

- 3 x PVC-U ball valve, d 50 mm
- 2 x PVC-U T-piece, d 50 mm
- 6 x PVC-U pipe, d 50 mm, 15 cm each
- 1 x Griffon PVC adhesive WDF-05, 125 ml
- 1 x Griffon cleaner, 125 ml can
- 2 x hose clamp, galvanized steel, 32–50 mm
- 2 x hose tail, 50 mm socket (glue) x 38 mm spigot

The individual parts are delivered loose (**not** glued; the complete set is conveniently packed in one box).



#2600

Article	Article Number
bypass-Set for heat pumps – 50 mm	2600

PRO CLEAN HEAT PUMP CLEANER

Gentle, acid-free cleaner for most surfaces with strong cleaning power. No rinsing required. Effectively removes dirt and deposits, including mechanical grease, insects, dust particles, and weather-related soiling.



#8047

Article	PU	Article Number
1 liter spray bottle	6	8047





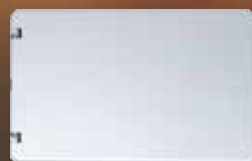
HEAT PUMP ACCESSORIES

NEW

#3161-E20
#3161-E30
#4052-E30



#4052-E30



#2670-E41



#3000-E33

NEW

Article	Article Number
Mr. Silence 30 replacement display with Wi-Fi module	3161-E20
Mr. Silence 30 10 meter cable for external display mounting including controller	3161-E30
MIDA.Cosma 5" black/white screen display with UV protection cover	4052-E30
MIDA.Diva, MIDA.Force, MIDA.Joy & MIDA.Quick empty housing for external display attachment	3000-E33
MIDA.Quick 10 m extension cable display/Wi-Fi module	3000-E32
MIDA.Perla, MIDA.Diva, MIDA.Cosma, MIDA.Force & MIDA.Joy 10 m extension cable display/Wi-Fi module	2670-E40
MIDA.Perla, MIDA.Maxx & MIDA.Boost empty housing for external display attachment	2670-E41
MIDA.Black 10m extension cable display / Wi-Fi module	2900-E44



#2670-E40



#3000-E32



#2900-E44



WINTER COVERS FOR HEAT Pumps

winter covers for discontinued models

Winter cover for	Dimensions (W x D x H)	Material	Article Number
MIDA.Maxx 14	800 x 750 x 750 mm	PET 80 gr/m ² >1 mm	2633
MIDA.Maxx 17	800 x 750 x 750 mm	PET 80 gr/m ² >1 mm	2633
MIDA.Maxx 21	787 x 827 x 887 mm	PET 80 gr/m ² >1 mm	2634
MIDA.Maxx 25	787 x 827 x 887 mm	PET 80 gr/m ² >1 mm	2634
MIDA.Maxx 31	920 x 960 x 910 mm	PET 80 gr/m ² >1 mm	2635
MIDA.Boost 12	1100 x 440 x 750 mm	PET 80 gr/m ² >1 mm	2624
MIDA.Boost 18	1190 x 470 x 850 mm	PET 80 gr/m ² >1 mm	2625
MIDA.Boost 24	1190 x 495 x 1275 mm	PET 80 gr/m ² >1 mm	2626
MIDA.Boost 29	1190 x 495 x 1275 mm	PET 80 gr/m ² >1 mm	2626
MIDA.Force 7	1030 x 410 x 595 mm	PET 80 gr/m ² >1 mm	2631
MIDA.Force 12	1030 x 410 x 595 mm	PET 80 gr/m ² >1 mm	2631
MIDA.Force 17	1100 x 440 x 750 mm	PET 80 gr/m ² >1 mm	2624
MIDA.Force 20	1110 x 440x 750 mm	PET 80 gr/m ² >1 mm	2632
MIDA.Joy 7	1030 x 410 x 595 mm	PET 80 gr/m ² >1 mm	2631
MIDA.Joy 12	1030 x 410 x 595 mm	PET 80 gr/m ² >1 mm	2631
MIDA.Joy 17	1100 x 440 x 750 mm	PET 80 gr/m ² >1 mm	2624
MIDA.Quick 4	800 x 300 x 580 mm	PET 80 gr/m ² >1 mm	2627
MIDA.Quick 7	800 x 300 x 580 mm	PET 80 gr/m ² >1 mm	2627
MIDA.Quick 10	1000 x 400 x 630 mm	PET 80 gr/m ² >1 mm	2628
MIDA.Quick 13	1000 x 400 x 630 mm	PET 80 gr/m ² >1 mm	2628
MIDA.Quick 17	1140 x 455 x 840 mm	PET 80 gr/m ² >1 mm	2629
MIDA.Quick 21	1200 x 500 x 1300 mm	PET 80 gr/m ² >1 mm	2630
MIDA.Quick 26	1200 x 500 x 1300 mm	PET 80 gr/m ² >1 mm	2630



NEW

Winter cover for the new heat pump models

Winter cover for	Dimensions (W x D x H)	Article Number
Mr.Silence 30; 12 kW	955 x 515 x 640 mm	2636
Mr.Silence 30; 17 kW	1055 x 515 x 640 mm	2637
Mr.Silence 30; 23 kW	1125 x 515 x 747 mm	2638
Mr.Silence 30; 34 kW	1350 x 535 x 930 mm	2644
Mr.Silence 30; 42 kW	1425 x 535 x 1050 mm	2645
MIDA.Perla 13	1100 x 450 x 750 mm	2644
MIDA.Perla 19	1190 x 470 x 850 mm	2625
MIDA.Perla 24	1190 x 470 x 850 mm	2625
MIDA.Perla 32	1190 x 470 x 850 mm	2625
MIDA.Cosma 13	1030 x 440 x 605 mm	2645
MIDA.Cosma 20	1180 x 510 x 850 mm	2646
MIDA.Cosma 28	1180 x 510 x 850 mm	2646
MIDA.Cosma 35	1180 x 510 x 850 mm	2646
MIDA.Diva 11	680 x 630 x 910 mm	2647
MIDA.Diva 17	680 x 630 x 910 mm	2647
MIDA.Diva 25	740 x 720 x 1075 mm	2648
MIDA.Diva 35	800 x 780 x 1240 mm	2649





HEAT EXCHANGER

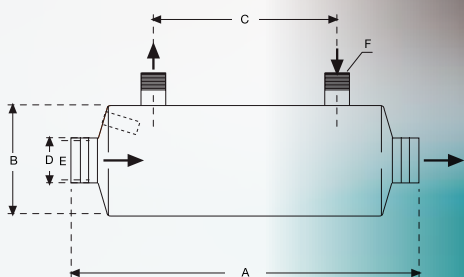
HEAT EXCHANGE SOLID TITANIUM *

Water heat exchanger made of solid titanium, ideally suited for heating bathing water with high disinfection requirements, such as brine pools, salt electrolysis systems, or seawater. 90/60°C.

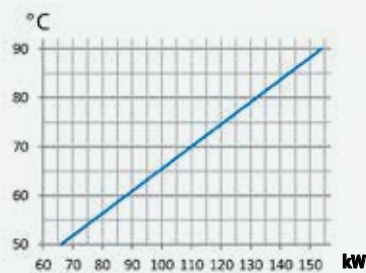
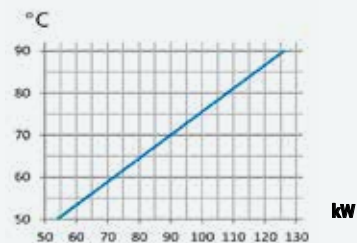
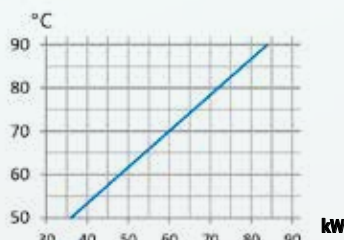
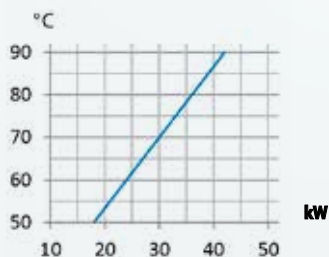
- Operating pressure: heating side: max. 10 bar, pool water side: max. 3 bar
- heating via boiler, solar collectors, or other hot water sources
- installation orientation: horizontal and vertical

The following water values must **not** be exceeded, otherwise corrosion may occur.

Titanium: Chloride content: max. 3000 mg/l
 pH: max. 6,8 - 7,8
 salt: max. 3,5%



Version	A (mm)	B (Ø)	C (mm)	D (mm)	E (inch)	F (inch)
42 kW	385	125	205	NW/50	1 ½"	¾"
84 kW	680	125	495	NW/50	1 ½"	1"
126 kW	780	160	590	NW/60	2"	1"
154 kW	1050	160	820	NW/60	2"	1"



Heat output	Article Number
rubber hose assembly kit NW 50 mm for Ø 125 mm	9HWT-H4
rubber hose assembly kit NW 60 mm for Ø 160 mm	9HWT-H3
pair of plastic brackets for Ø 125 mm	9HWT-H
pair of plastic brackets for Ø 160 mm	9HWT-H2
36.120 kcal/h = 42 kW	9TWT-35
72.240 kcal/h = 84 kW	9TWT-65
108.360 kcal/h = 126 kW	9TWT-105
132.440 kcal/h = 154 kW	9TWT-115



HEAT EXCHANGER STAINLESS STEEL *

The following water values must not be exceeded, otherwise corrosion may occur.

Stainless steel V4A/AISI 316:

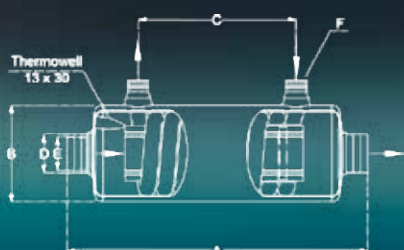
Chloride content: max. 500 mg/l
 Free chlorine: max. 1 mg/l
 pH: max. 6,8 - 7,8

Made of acid-resistant stainless steel V4A / AISI 316, pickled and electro polished.
 Outer shell with welded-in coil and immersion nozzle for electronic temperature measurement. 90/60°C.

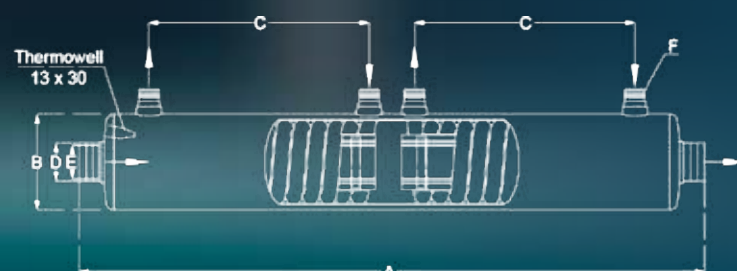
- operating pressure: Heating side max. 10 bar, pool water side max. 3 bar
- heating via boiler, solar collectors, or other hot water sources
- installation orientation: horizontal or vertical

PRICE REDUCTION
 #9HWT-40
 #9HWT-75
 #9HWT-105
 #9HWT-140
 #9HWT-209

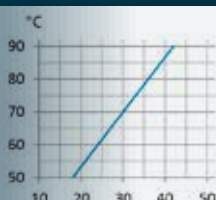
42 kW/ 84 kW/ 133 kW



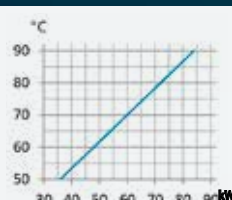
175 kW/ 259 kW



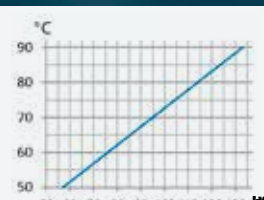
Version	A (mm)	B (Ø)	C (mm)	D (mm)	E (inch)	F (inch)
42 kW	385	125	205	NW/50	1 ½" IG	¾"
84 kW	680	125	495	NW/50	1 ½" IG	1"
133 kW	780	160	590	NW/63	2" IG	1"
175 kW	1050	160	370	NW/63	2" IG	1"
259 kW	1370	160	530	NW/63	2" IG	1"



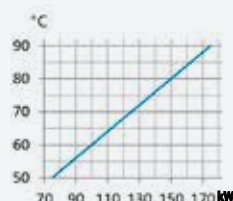
42 kW
 90° = 42 kW
 80° = 36 kW
 70° = 30 kW
 60° = 24 kW
 50° = 18 kW



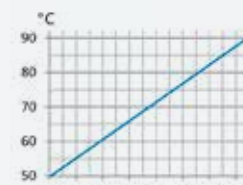
84 kW
 90° = 84 kW
 80° = 73 kW
 70° = 60 kW
 60° = 48 kW
 50° = 36 kW



133 kW
 90° = 133 kW
 80° = 114 kW
 70° = 95 kW
 60° = 76 kW
 50° = 57 kW



175 kW
 90° = 175 kW
 80° = 150 kW
 70° = 125 kW
 60° = 100 kW
 50° = 75 kW



259 kW
 90° = 259 kW
 80° = 222 kW
 70° = 185 kW
 60° = 148 kW
 50° = 111 kW

Heat output	Article Number
rubber hose assembly kit NW 50 mm for Ø 125 mm	9HWT-H4
rubber hose assembly kit NW 60 mm for Ø 160 mm	9HWT-H3
pair of plastic brackets for Ø 125 mm	9HWT-H
pair of plastic brackets for Ø 160 mm	9HWT-H2
36.120 kcal/h = 42 kW	9HWT-40
72.240 kcal/h = 84 kW	9HWT-75
114.380 kcal/h = 133 kW	9HWT-105
150.500 kcal/h = 175 kW	9HWT-140
222.740 kcal/h = 259 kW	9HWT-209



* supplied without mounting bracket



04 WATER HEATING

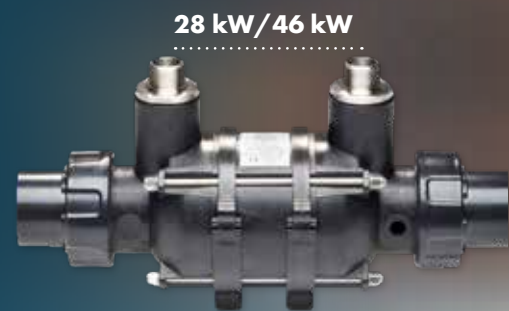
HEAT EXCHANGER

PLASTIC/STAINLESS STEEL **OR** PLASTIC/TITANIUM*

Plastic water heat exchanger with corrugated stainless steel **or** titanium tubing. Suitable for heating swimming pools, hot tubs, and other systems.

- operating pressure: heating side max. 6 bar, pool water side max. 2.5 bar
- temperature: max. 90 °C
- housing material: polyamide 6.6 plastic, 30% glass fiber reinforced; bonding socket: ABS; o-rings: Silicone
- heating method: pool water heated via boiler, solar system, heat pump, or low-temperature heating systems
- installation orientation: horizontal or vertical

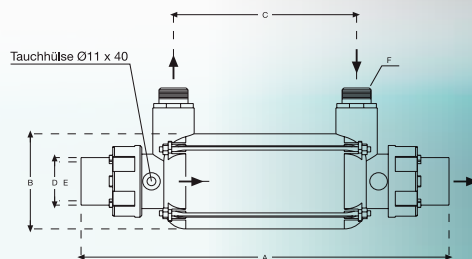
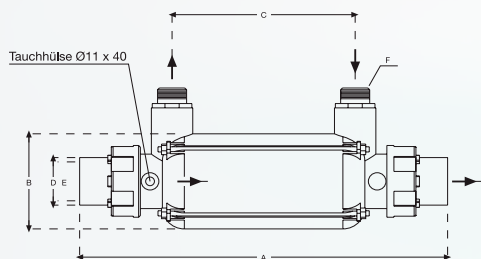
PRICE REDUCTION
 #9KWT-VA28
 #9KWT-VA46
 #9KWT-VA85
 #9KWT-VA108
 #9KWT-TI28
 #9KWT-TI46
 #9KWT-TI85
 #9KWT-TI108



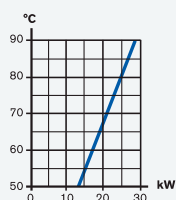
28 kW/46 kW



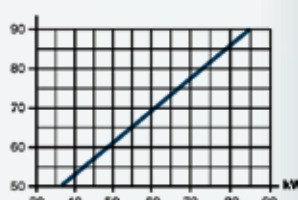
85 kW/108 kW



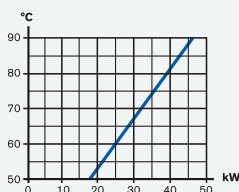
Version	A (mm)	B (mm)	C (mm)	D	E (mm)	F (inch)
28 kW/95,5 kBtu/h	345	110	135	63	50	¾"
46 kW/157,0 kBtu/h	415	110	205	63	50	¾"
85 kW/290,0 kBtu/h	705	110	495	63	50	1"
108 kW/368,5 kBtu/h	1015	110	805	63	50	1"



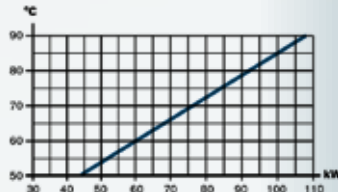
28 kW
 90° = 28 kW
 80° = 24,5 kW
 70° = 21 kW
 60° = 17,5 kW
 50° = 14 kW



85 kW
 90° = 85 kW
 80° = 73 kW
 70° = 61 kW
 60° = 49 kW
 50° = 37 kW



46 kW
 90° = 46 kW
 80° = 39 kW
 70° = 32 kW
 60° = 25 kW
 50° = 18 kW



108 kW
 90° = 108 kW
 80° = 92 kW
 70° = 76 kW
 60° = 60 kW
 50° = 44 kW

PLASTIC/STAINLESS STEEL MODEL

Heat output	Article Number
28.000 kcal/h = 28 kW	9KWT-VA28
46.000 kcal/h = 46 kW	9KWT-VA46
85.000 kcal/h = 85 kW	9KWT-VA85
108.000 kcal/h = 108 kW	9KWT-VA108
Pair of plastic holders	9HWT-H

PLASTIC/TITANIUM MODEL

Heat output	Article Number
28.000 kcal/h = 28 kW	9KWT-TI28
46.000 kcal/h = 46 kW	9KWT-TI46
85.000 kcal/h = 85 kW	9KWT-TI85
108.000 kcal/h = 108 kW	9KWT-TI108
Pair of plastic holders	9HWT-H

HEAT EXCHANGER HI-FLOW

Suitable for pools up to 300 m³. 1½" female thread on the secondary side, 1" male thread on the primary side
 • installation orientation: horizontal

PRICE REDUCTION
 #960
 #961
 #11334

HI-FLOW MODEL STAINLESS STEEL (V4A / AISI 316)



INCLUDING
BRACKETS

FEATURES:

- max. pressure secondary circuit (pool water) 8 bar
- primary circuit (hot water) 30 bar
- acid-resistant stainless steel V4A/AISI 316L
- heating medium coil
- sensor slot
- adjustable brackets made of acid-resistant stainless steel
- four performance levels: 13, 28, 40 and 75 kW
- connection to boiler, heat pump, solar system, or other existing heat sources

HI-FLOW MODEL TITANIUM

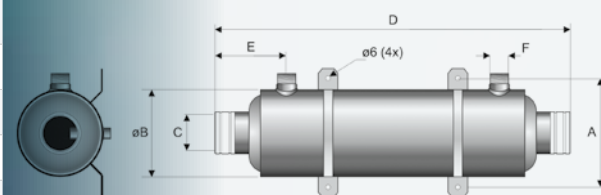


INCLUDING
BRACKETS

FEATURES:

- max. pressure secondary circuit (pool water) 5 bar
- primary circuit (hot water) 10 bar
- titanium
- heating medium coil
- sensor slot
- adjustable brackets made of acid-resistant stainless steel
- three performance levels: 28, 40 and 75 kW
- connection to boiler, heat pump, solar system, or other existing heat sources

Dimensions	A	B	C	D	E	F
HI-Flow 13 stainless steel	139 mm	129 mm	1 ½"	235 mm	72 mm	¾"
HI-Flow 28 stainless steel	139 mm	129 mm	1 ½"	407 mm	75 mm	¾"
HI-Flow 40 stainless steel	139 mm	129 mm	1 ½"	455 mm	85 mm	1"
HI-Flow 75 stainless steel	139 mm	129 mm	2"	702 mm	85 mm	1"
HI-Flow 28 Titan	139 mm	113 mm	1 ½"	470 mm	95 mm	1"
HI-Flow 40 Titan	139 mm	127 mm	1 ½"	510 mm	108 mm	1"
HI-Flow 75 Titan	139 mm	127 mm	1 ½"	754 mm	108 mm	1"



Article	Power kW	Primary side, hot water		Secondary side, cold water		Article Number
		l/min	Pressure drop m head	l/min	Pressure drop m head	
HI-Flow HF 13 stainless steel	13	25	0,90	200	0,60	958
HI-Flow HF 28 stainless steel	28	25	1,70	300	1,60	959
HI-Flow HF 40 stainless steel	40	60	1,30	300	1,60	960
HI-Flow HF 75 stainless steel	75	60	2,60	300	1,10	961
HI-Flow T 28 Titan	28	20	1,00	300	1,10	11332
HI-Flow T 40 Titan	40	40	2,30	350	1,70	11333
HI-Flow T 75 Titan	75	45	5,20	350	1,70	11334



BRACKET FOR HEAT EXCHANGER

Set consisting of 2 × (a) + 2 × (b), for heat exchanger type/model HI-FLOW



Article	Article Number
bracket for heat exchanger	940-H



HEAT EXCHANGER HI-TEMP

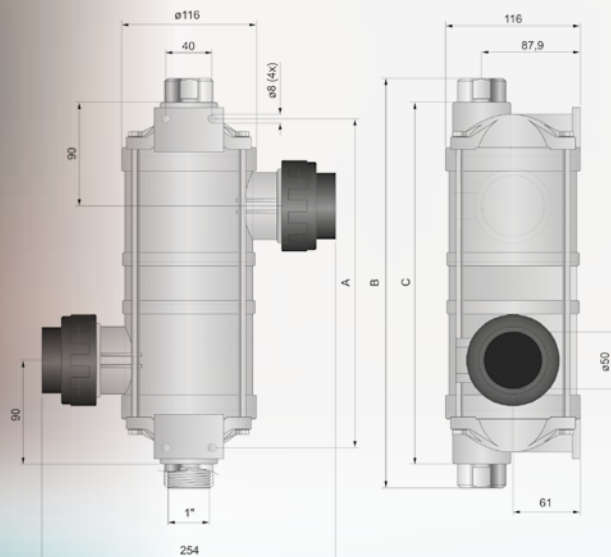
PRICE REDUCTION

Housing made of glass fiber reinforced plastic, heating element made of acid-resistant stainless steel V4A / AISI 316 or titanium, solvent socket for Ø 50 mm piping, **including** bracket.

model in stainless steel: color blue
model in titanium: color beige

- max. temperature: +100 °C
- operating pressure: Flow line max. 5 bar
- return line: max. 4 bar
- for swimming pools up to 300 m³
- installation orientation: horizontal or vertical

Dimensions	A	B	C
Hi-Temp 40 stainless steel	359 mm	317 mm	277 mm
Hi-Temp 75 stainless steel	534 mm	492 mm	452 mm
Hi-Temp 40 Titan	417 mm	375 mm	335 mm
Hi-Temp 75 Titan	667 mm	625 mm	585 mm



HI-TEMP STAINLESS STEEL MODEL (V4A / AISI 316)



INCLUDING BRACKETS

FEATURES:

- outer casing made of thermoplastic material
- hot water coil made of acid-resistant stainless steel
- integrated wall mounting
- slip connections for bonding Ø 50 mm pipes
- connection to boiler, heat pump, solar system, or another heat source

HI-TEMP MODEL TITANIUM



INCLUDING BRACKETS

FEATURES:

- outer casing made of thermoplastic material
- hot water coil made of titanium
- integrated wall mounting
- slip connections for bonding Ø 50 mm pipes
- connection to boiler, heat pump, solar system, or another heat source

Article	Capacity		Primary side, hot water		Secondary side, cold water		Article Number
	kW	kBtu/h	l/min	Pressure drop m head	l/min	Pressure drop m head	
Hi-Temp 40 Stainless steel	40	135	34	1,9	300	1,3	962
Hi-Temp 75 Stainless steel	75	260	43	6	300	1,7	963
Hi-Temp 40 Titan	40	135	52	1,5	300	1,1	962-T
Hi-Temp 75 Titan	75	260	58	2,5	300	1,2	963-T

ELECTRIC HEATERS 230V AND 400V WITH DIGITAL DISPLAY

PRICE REDUCTION

Compliant with electrical safety standards EN 60335-1:2001+A1+A2 and EN 60335-2-35:2002+A1. Housing made of fiberglass-reinforced thermoplastic. The desired pool temperature can be conveniently set and the current temperature read via the LED display. Equipped with overheat protection, heating element made of Incoloy 825, flow switch, and solvent socket for Ø 50 mm PVC piping. minimum flow rate: 90 l/min, maximum pressure: 2 bar. suitable for swimming pools up to 100 m³.

- housing made of fiberglass-reinforced polyamide
- capacity: 3–15 kW
- delivered with supports and electronics
- digital control and display
- heating elements made of Incoloy 825
- equipped with overheat limit protection and flow switch
- dual built-in safety protection
- protection rating: IP44

INCLUDING BRACKETS



titanium version available on request

Length	Heat output	Ampere 230 V	Ampere 400 V	Article Number
425 mm	3 kW	–	5	910
425 mm	3 kW	13	–	915
425 mm	6 kW	26	–	916
425 mm	6 kW	–	9	911
607 mm	9 kW	–	13	912
607 mm	12 kW	–	18	913
607 mm	15 kW	–	22	914

ELECTRIC HEATER 230V AND 400V COMPACT MODEL

PRICE REDUCTION

Housing made of acid-resistant stainless steel V4A / AISI 316. Heating elements made of Incoloy 825. Pressure switch as low-water protection, 230/400 V. Overheat thermostat and control thermostat 0–45 °C. Triple safety system: pressure switch, overheat thermostat, control thermostat (0–45 °C). 1½" female thread. Minimum flow rate: 85 l/min. Maximum pressure: 4 bar. Suitable for swimming pools up to 100 m³.

FEATURES:

- housing made of stainless steel V4A / AISI 316
- capacity: 3–18 kW
- electric heater made of fiberglass-reinforced thermoplastic
- horizontal installation to eliminate air pockets and prevent damage to the heating element
- heating elements made of Incoloy 825
- equipped with overheat protection and flow switch
- delivered with sturdy mounting brackets
- sealing fittings for Ø 50 mm pipes

INCLUDING BRACKETS



Length	Heat output	Ampere 230 V	Ampere 400 V	Article Number
452,5 mm	3 kW	13	5	930-DS
452,5 mm	6 kW	26	9	931-DS
552,5 mm	9 kW	-	14	932-DS
552,5 mm	12 kW	-	18	933-DS
552,5 mm	15 kW	-	22	934-DS
552,5 mm	18 kW	-	27	935-DS



ELECTRIC HEATER 230V AND 400V PLASTIC & INCOLOY

PRICE
REDUCTION 

Electric heater made of thermoplastic for increased strength. Heating elements made of Incoloy 825. Overheat thermostat and control thermostat 0–45 °C, triple safety system: pressure switch, overheat thermostat, control thermostat 0–45 °C.
1½" female thread.
minimum flow rate: 90 l/min
maximum pressure: 2.5 bar
suitable for swimming pools up to 100 m³



FEATURES:

- housing made of plastic
- capacity: 3–18 kW
- electric heater made of fiberglass-reinforced thermoplastic
- horizontal installation eliminates air accumulation and prevents damage to the heating element
- heating elements made of Incoloy 825
- equipped with overheating protection and flow switch
- delivered with sturdy brackets – for easy and flexible installation
- sealing unions for Ø 50 mm pipes – for easy installation

Length	Heat output	Ampere 230 V	Ampere 400 V	Article Number
358 mm	3 kW	13	5	901
358 mm	6 kW	26	9	902
540 mm	9 kW	-	14	903
540 mm	12 kW	-	18	904
540 mm	15 kW	-	22	905
540 mm	18 kW	-	27	906

