04

WATER HEATING, SOLAR & DEHUMIDIFICATION

Our diverse range of MIDAS heat pumps always fulfils the increasing demands of our customers and the market: we focus on energy neutrality and low-noise operation. With our products, we set reliable standards in full-inverter heat pump technology and fulfil your expectations at the highest level. Retrofitting your pool with our MIDAS heat pump models is uncomplicated and easily and conveniently at any time. Our entire range of MIDAS heat pumps is PV-compatible and can be seamlessly connected to your existing PV system.
Benefit from our MIDA.Sunny solar collectors, which are not only energy-neutral but also extremely efficient. The combination of solar collectors and MIDAS heat pumps offers an extremely attractive and cost-effective hybrid solution for warm water temperatures of up to 43°C. We also offer a wide selection of heat exchangers and swimming pool dehumidifiers to round off the product range for your personal oasis of well-being. Immerse yourself in the world of modern pool technology and be inspired by our innovative solutions!

OVERVIEW

QUICK OVERVIEW HEAT PUMPS DIFFERENCES

STANDARD EQUIPMENT ON ALL MODELS:

- PV Ready*
- Titanium heat exchanger, ideal for salt water and chlorine
- Digital display
- Manometer
- Cooling, heating and automatic function
- Automatic defrosting device
- Flow monitor
- Winter cover
- Registered with WEEE reg. no. DE 54436223 for the recycling of old appliances

*The heat pumps already fulfil the technical requirements for operation with renewable energies (photovoltaics, solar, etc.).

Heating function **Cooling function** **Automatic function**

COMPARISON TABLE

	MIDA.Maxx Full-Inverter**	MIDA.Boost Full-Inverter**	MIDA.Force Full-Inverter**	MIDA.Joy Full-Inverter	MIDA.Quick ON/OFF
Temperature range	from -15°C to +43°C	vfrom -15°C to +43 °C	from -10°C to +40 °C	from -5°C to +43°C	from -5°C to +35 °C
Housing	Stainless steel V2A/AISI 304	ABS Plastic	ABS Plastic	ABS Plastic	Galvanised steel
Sizes	14-31 kW	12-29 kW	7-20 kW	7-17 kW	4-26 kW
Fan alignment	vertical	horizontal	horizontal	horizontal	horizontal
up to max. pool volume	approx. 120 m³	approx. 120 m³	approx. 95 m³	approx. 75 m³	approx. 100 m³
WiFi included	yes	yes	yes	no	no
WiFi optional	-	-	-	yes	yes
Refrigerant	R32	R32	R32	R32	R410A
Display	5" Colour touchscreen LCD	5" Colour touchscreen LCD	4,7" Glass touch LED display B/W	4,7" Glass touch LED display S/W	LED
min./max. water temperature	+8 °C/+43 °C	+8 °C/+43 °C	+8 °C/+43 °C	+8 °C/+35 °C	+8 °C/+40 °C

R32 KÄLTEMITTEL *Environmentally friendly refrigerant R32*

**Distribution only via specialised dealers

FULL-INVERTER HEAT PUMPS

HIGHLY EFFICIENT AND ENERGY-SAVING

With the MIDA.Maxx, MIDA.Boost, MIDA.Force and MIDA.Joy heat pumps, you are opting for the technically advanced solution of full inverter technology. With this technology, the compressor speed adjusts continuously from 20 - 95 Hz (depending on the model) exactly to the required cooling or heating demand. Compared to conventional heat pumps, this effective control achieves particularly energy-saving and material-friendly operation with a high seasonal performance factor. The heat pumps also operate very quietly. When starting up, the inverter technology requires only 1/3 of the time compared to conventional systems.

Compared to conventional heat pumps, MIDA.Maxx, MIDA.Boost, MIDA.Force and MIDA.Joy heat pumps have a higher COP value and require a much shorter start-up time. This saves costs.

What are the additional benefits of full inverter technology?

FULL INVERTER

- ✓ Stepless control
- ✓ Longer service life (heat pump rarely runs at full load)
- ✓ Shorter heat pump start-up curve
- ✓ Significantly lower start-up currents
- ✓ Very quiet running
- ✓ improved COP values

HEAT PUMPS

R32 KÄLTEMITTEL *Environmentally friendly refrigerant R32*

FULL-INVERTER HEAT PUMP MIDA.MAXX

EXKLUSIVE MIDAS

ENERGY-SAVING

FULL INVERTER

PV-Ready!*

With protective housing for the display

6 Years warranty on Mitsubishi compressor

Inclusive WiFi ADAPTER

Laden im App Store

JETZT BEI Google Play

#2603

SPECIAL FEATURES

- Available in sizes from 14-31 kW
- COP value up to 12.70
- Operating range from -15°C to +43°C
- Pool volume up to approx. 120 m³ (depending on size)
- Housing made of high-quality stainless steel V2A/AISI 304
- Infinitely variable control - separate silent mode possible (e.g. at midday or in the evening)
- Operating modes: heating, cooling, automatic
- Automatic defrosting device
- With titanium heat exchanger, ideal for salt water and chlorine

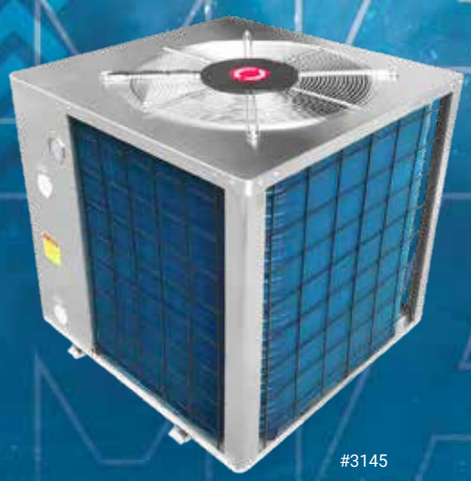
- Operating modes: heating, cooling, automatic
- With 5’ colour touchscreen LCD display
- Including winter cover
- Including flow switch- max. water temperature (operation) up to +43°C
- Refrigerant R32- pressure gauge
- Electrical protection: slow-blow fuse (C-automatic), RCD 30 mA < 0.1s

Accessories see from catalogue page 151

*As the design 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 will be happy to provide on request. Simply scan the QR code!

EXECUTIONS MIDA.MAXX

	Typ	MIDA.Maxx 14	MIDA.Maxx 17	MIDA.Maxx 21	MIDA.Maxx 25	MIDA.Maxx 31
	Air outlet	vertical	vertical	vertical	vertical	vertical
	Pool volume*	max. ca. 60 m³	max. 75 m³	max. 85 m³	max. ca. 100 m³	max. ca. 120 m³
	Water flow rate (recommended)	5,7 m³/h	7,1 m³/h	7,13 m³/h	9,0 m³/h	12,0 m³/h
	Water connection	50 mm right	50 mm right	50 mm right	50 mm right	50 mm right
Measuring conditions Air temperature 27°C* Water temperature 26°C	Heating output	3,66 - 13,48 kW 12,4 - 45,8 kBtu/h	3,41 - 16,83 kW 11,6 - 57,2 kBtu/h	5,1 - 21,6 kW 17,34 -73,44 kBtu/h	5,49 - 24,26 kW 18,6 - 82,5 kBtu/h	8,87 - 31,21 kW 30,2 - 106,1 kBtu/h
	Input power	0.27-1,93 kW	0,26-2,53 kW	0,43-4,29 kW	0,39-3,67 kW	0,57-5,08 kW
	Operating current	1,74-8,37 A	1,5-11,1 A	3 x 0,99 - 5,1 A	3 x 0,9 - 6,1 A	3 x 1,2 - 8,2 A
	COP	6,99-13,35	6,64-12,99	5,03-11,86	6,6-17,19	6,14-15,65
Measuring conditions Air temperature 15°C* Water temperature 26°C	Heating output	2,67-10,0kW 9,1 - 34 kBtu/h	2,72-12,72 kW 9,2 - 43,2 Btu/h	3,9-16,3 kW 13,09 - 55,42 Btu/h	4,05 -18,79 kW 13,7 - 63,9 kBtu/h	6,55 - 23,6 kW 22,3 - 80,2 kBtu/h
	Input power	0,43-2,01 kW	0,42-2,86 kW	0,59-3,82 kW	0,57-3,71 kW	0,79-4,73 kW
	Operating current	1,89-8,73A	2,0-11,1 A	3 × 1,20-6.10 A	3 x 1,2 - 6,1 A	3 x 1,6-7,7 A
	COP	4,98-6.19	5,3-6,77	4,27-6.53	5,06-7,1	5,0-8,23
	min. Water temperature	+8°C	+8°C	+8 C	+8°C	+8°C
	Fuse protection	16 A	16 A	3 x 16 A	3 x 16 A	3 x 16 A
	Voltage/ Frequency range	230V/1 pH 20-75 Hz	230V/1 pH 20-80 Hz	400V/3 pH 20-70 Hz	400V/3 pH 20-85 Hz	400V/3 pH 20-80 Hz
	Compressor Brand	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
	Compressor	rotating	rotating	rotating	rotating	rotating
	Number of fans	1	1	1	1	1
	Cable cross-section	3 x 2,5 mm²	3 x 2,5 mm²	5 x 2,5 mm²	5 x 2,5 mm²	5 x 2,5 mm²
	Sound pressure level[1]	24-34 dB(A)	26-36 dB(A)	28-38dB(A)	30-40 dB(A)	33-43 dB(A)
	Sound pressure level[2]	44-54 dB(A)	46-56 dB(A)	48-58 dB(A)	50-60 dB(A)	53-62 dB(A)
	Protection class	IPX4	IPX4	IPX4	IPX4	IPX4
	Refrigerant quantity	R32/0,65 kg	R32/0,8 kg	R32/1,35 kg	R32/1,65 kg	R32/1,8 kg
	GWP-value	675	675	675	675	675
	Displacement Display	possible	possible	possible	possible	possible
	Refrigerant	R32	R32	R32	R32	R32
	Net dimensions W x D x H	723 x 835 x 865 mm	723 x 835 x 865 mm	770 x 990 x 970 mm	790 x 990 x 970 mm	920 x 960 x 1025 mm
	Delivery dimensions W x D x H	773 x 885 x 915 mm	773 x 885 x 915 mm	820 x 1040 x 1000 mm	820 x 1040 x 1000 mm	970 x 1010 x 1075 mm
	Net weight	69 kg	75 kg	95 kg	106 kg	116 kg
	Delivery weight	82 kg	88 kg	110 kg	121 kg	130 kg
	Article number	3140	3141	3145	3142	3143



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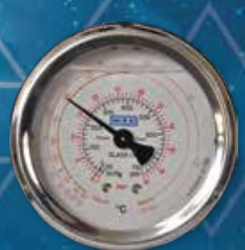


*This heat pump already fulfils the technical requirements for operation with renewable energies (photovoltaics, solar, etc.).

1) Measured sound pressure level at 10 m (22 – 85 Hz) 2) Measured sound pressure level at 1 m (22 – 85 Hz) * at 70 % - 80 % humidity

FULL-INVERTER HEAT PUMP MIDA.BOOST

EXCLUSIVE MIDAS

ENERGY-SAVING

FULL INVERTER

PV-Ready!*

R32 KÄLTEMITTEL *Environmentally friendly refrigerant R32*

6 Years warranty
on Mitsubishi compressor

#3130 + #3131

With protective housing for the display

Inclusive WiFi ADAPTER

SPECIAL FEATURES

- Available in sizes from 12 - 29 kW
- COP value up to 13.57
- Operating range from -15°C to +43°C
- Pool volume up to approx. 120 m³ (depending on size)
- Housing made of ABS plastic, colour: white
- Infinitely variable control - separate silent mode possible (e.g. at midday or in the evening)

- Operating modes: heating, cooling, automatic
- Automatic defrosting system
- With titanium heat exchanger, excellent suitable for salt water and chlorine
- With 5’ colour touchscreen LCD display
- Winter cover included
- Including flow switch
- Max. water temperature (operation) up to +43 °C
- R32 refrigerant pressure gauge
- Electrical protection: slow-blow fuse (C-Automat), RCD 30 mA < 0.1s

#2603

#3132 + #3133

*As the design of the heat pump depends on several factors, the current heat requirement should generally be determined beforehand. We are happy to provide you with a calculation aid for this purpose. Simply scan the QR code!

Accessories see from catalogue page 151

EXECUTIONS MIDA.BOOST

	Typ	MIDA.Boost 12	MIDA.Boost 18	MIDA.Boost 24	MIDA.Boost 29
	Air outlet	horizontal	horizontal	horizontal	horizontal
	Pool volume*	max. ca. 60 m³	max. ca. 75 m³	max. ca. 85 m³	max. ca. 120 m³
	Water flow rate (recommended)	4,2 m³/h	5,3 m³/h	8,6 m³/h	10 m³/h
	Water connection	50 mmbackside	50 mm backside	50 mm backside	50 mm backside
Measuring conditions Air temperature 27°C** Water temperature 26°C	Heating output	2,85 – 12 kW/ 9,69 – 40,8 kBtu/h	3,77 – 17 kW/ 12,58 – 57,8 kBtu/h	5,7 – 24,2 kW/ 19,38 – 82,38 kBtu/h	6,7 – 28,3 kW/ 22,78 – 96,22 kBtu/h
	Input power	0,21 – 2,12 kW	0,3 – 3,02 kW	0,46 – 4,8 kW	0,54 – 5,57 kW
	Operating current	0,95 – 9,2 A	1,3 – 13,1 A	3 x 2,3 – 8,5 A	3 × 1,52–8,19 A
	COP	5,66 – 13,57	5,63 – 12,57	5,04 – 12,39	5,08 – 12,41
Measuring conditions Air temperature 15°C* Water temperature 26°C	Heating output	2,25 – 9,7 kW/ 7,65 – 32,98 kBtu/h	2,92 – 12,4 kW/ 9,93 – 42,16 kBtu/h	4,68 – 19,9 kW/ 15,91 – 67,66 kBtu/h	5,46 – 23,3 kW/ 18,56 – 79,22 kBtu/h
	Input power	0,32 – 2,08 kW	0,44 – 2,86 kW	0,72 – 4,74 kW	0,83 -5,49 kW
	Operating current	1,4 – 9 A	2 – 12,4 A	3 x 1,8 – 8 A	3 x 1,55–7,76 A
	COP	4,66 – 7,03	4,34 – 6,64	4,2 – 6,5	4,24 – 6,58
	min. Water temperature	+8 °C	+8 °C	+8 °C	+8°C
	Fuse protection	16 A	16 A	3 x 16 A	3 x16 A
	Voltage/ Frequency range	230 V/1 pH 20–70 Hz	230 V/1 pH 20–85 Hz	400 V/3 pH 20–70 Hz	400 V/3 pH 20–85 Hz
	Compressor Brand	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
	Compressor	rotating	rotating	rotating	rotating
	Number of fans	1	1	2	2
	Cable cross-section	3 x 2,5 mm²	3 x 2,5 mm²	5 x 2,5 mm²	5 x 2,5 mm2
	Sound pressure level[1]	22–32 dB(A)	24–33 dB(A)	26–37 dB(A)	26-38 dB(A)
	Sound pressure level[2]	42–52 dB(A)	44–53 dB(A)	46–57 dB(A)	48-58 dB(A)
	Protection class	IPX4	IPX4	IPX4	IPX4
	Refrigerant quantity	R32/0,6 kg	R32/0,8 kg	R32/1,2 kg	R32/1,5 kg
	GWP-value	675	675	675	675
	Displacement Display	possible	possible	possible	possible
	Refrigerant	R32	R32	R32	R32
	Net dimensions W x D x H	1046 x 453 x 768 mm	1161 x 490 x 862 mm	1161 x 470 x 1274 mm	1161 x 470 x 1274 mm
	Delivery dimensions W x D x H	1130 x 480 x 780 mm	1210 x 510 x 880 mm	1210 x 495 x 1300 mm	1210 x 495 x 1300 mm
	Net weight	65 kg	75 kg	117 kg	120 kg
	Delivery weight	80 kg	90 kg	137 kg	137 kg
	Article number	3130	3131	3132	3133

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

1) Measured sound pressure level at 10 m (22 – 85 Hz) 2) Measured sound pressure level at 1 m (22 – 85 Hz) * at 70 % air humidity **at 80 % humidity

FULL-INVERTER HEAT PUMP MIDA.FORCE

PV-Ready!*

EXCLUSIVE MIDAS

FULL INVERTER

R32 KÄLTEMITTEL

Environmentally friendly refrigerant R32

ENERGY-SAVING

PV-Ready!*

6 Years warranty
on Mitsubishi compressor

Inclusive WiFi ADAPTER

Laden im App Store

JETZT BEI Google Play

#2603

SPECIAL FEATURES

- Available in sizes from 7-20 kW
- COP value up to 11.25
- Operating range from -10°C to +40°C
- Pool volume up to approx. 95 m³ (depending on size)
- Housing made of ABS plastic Colour: black
- Infinitely variable control
- Max. water temperature (operation) up to +43 °C
- Refrigerant R32
- pressure gauge
- Electrical protection: slow-blow fuse (C-automatic), residual current circuit breaker 30 mA < 0.1s
- With protective housing for the display

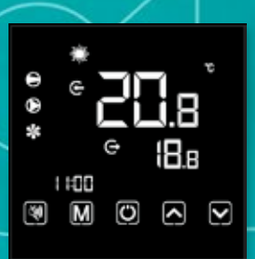
- Operating modes: heating, cooling, automatic
- Automatic defrosting device- With titanium heat exchanger, ideal for salt water and chlorine
- With 4.7’ glass touch LED display B/W
- Including winter cover- Including flow switch

Accessories see from catalogue page 151

*As the design 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 will be happy to provide on request. Simply scan the QR code!

EXECUTIONS MIDA.FORCE

	Typ	MIDA.Force 7	MIDA.Force 12	MIDA.Force 17	MIDA.Force 20
	Air outlet	horizontal	horizontal	horizontal	horizontal
	Pool volume*	max. ca. 35 m³	max. ca. 60 m³	max. ca. 75 m³	max. ca. 95 m³
	Water flow rate (recommended)	2,4 m³/h	3,0 m³/h	4,9 m³/h	6 m³/h
	Water connection	50 mm back side	50 mm back side	50 mm back side	50 mm back side
Measuring conditions Air temperature 27°C** Water temperature 26°C	Heating output	1,12-6,80 kW	1,80-11,90 kW	3,25-16,80 kW	3,5-19,7 kW
	Input power	0,11-1,27 kW	0,16-1,92 kW	0,30-2,91 kW	0,32-3,65 kW
	Operating current	1,14-5,81 A	1,08-8,96 A	1,30-12,65 A	1,33-15,8 A
	COP	5,35-10,18	6,19-11,25	5,77-10,83	5,39-10,94
Measuring conditions Air temperature 15°C* Water temperature 26°C	Heating output	0,95-5,5 kW	1,60-8,40 kW	2,55-12,60 kW	2,55-14,0 kW
	Input power	0,21-1,25 kW	0,26-1,81 kW	0,44-2,80 kW	0,47-3,24 kW
	Operating current	0,91-5,43 A	1,13-7,86 A	1,91-12,17 A	2,04-14,08 A
	COP	4,40-5,70	4,64-6,15	4,50-5,80	5,43-4,32
	min. Water temperature	+8 °C	+8 °C	+8 °C	+8 °C
	Fuse protection	10 A	16 A	16 A	20 A
	Voltage/ Frequency range	230 V/1 pH 20–70 Hz	230 V/1 pH 20–95 Hz	230 V/1 pH 20–85 Hz	230 V/1 pH 20-95 Hz
	Compressor Brand	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
	Compressor	rotierend	rotierend	rotierend	rotierend
	Number of fans	1	1	1	1
	Cable cross-section	3 x 2,5 mm²	3 x 2,5 mm²	3 x 2,5 mm²	3 x 2,5 mm²
	Sound pressure level[1]	19-29 dB(A)	22-32 dB(A)	24-33 dB(A)	24-34 dB(A)
	Sound pressure level[2]	38-50 dB(A)	42-53 dB(A)	43-54 dB(A)	43-55 dB(A)
	Protection class	IPX4	IPX4	IPX4	IPX4
	Refrigerant quantity	675	675	675	675
	GWP-value	möglich	möglich	möglich	möglich
	Displacement Display	R32/0,35 kg	R32/0,48 kg	R32/0,6 kg	R32/0,67 kg
	Net dimensions W x D x H	1000 x 418 x 605 mm	1000 x 418 x 605 mm	1046 x 435 x 767 mm	1160 x 490 x 862 mm
	Delivery dimensions W x D x H	1030 x 435 x 615 mm	1030 x 435 x 615 mm	1130 x 480 x 780 mm	1210 x 510 x 880 mm
	Net weight	42 kg	46 kg	60 kg	70 kg
	Delivery weight	51 kg	55 kg	73 kg	88 kg
	Article number	3120	3121	3122	3123



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

1) Measured sound pressure level at 10 m (20 – 85 Hz) 2) Measured sound pressure level at 1 m (20 – 85 Hz) *at 70 % air humidity ** at 80 % humidity

FULL-INVERTER HEAT PUMP MIDA.JOY

EXCLUSIVE MIDAS

ENERGY-SAVING

FULL INVERTER

R32 KÄLTEMITTEL *Environmentally friendly refrigerant R32*

PV-Ready!*

6 Years warranty on Mitsubishi compressor

OPTIONAL WiFi ADAPTER

Laden im App Store

JETZT BEI Google Play

#2603

SPECIAL FEATURES

- Available in sizes from 7-17 kW
- COP value up to 11.25
- Operating range from -5°C to +43°C
- Pool volume up to approx. 75 m³ (depending on size)
- Housing made of ABS plastic Colour: grey
- Infinitely variable control
- Max. water temperature (operation) up to +35 °C
- Refrigerant R32
- Pressure gauge
- Electrical protection: slow-blow fuse (C-automatic), residual current circuit breaker 30 mA < 0.1s

- Operating modes: heating, cooling, automatic
- Automatic defrosting device
- With titanium heat exchanger, ideal for salt water suitable for salt water and chlorine- with 4.7' glass touch LED display B/W
- Including winter cover- including flow switch

Accessories see from catalogue page 151

*As the design 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 will be happy to provide on request. Simply scan the QR code!

EXECUTIONS MIDA.JOY

	Typ	MIDA.Joy 7	MIDA.Joy 12	MIDA.Joy 17
	Air outlet	horizontal	horizontal	horizontal
	Pool volume*	max. ca. 35 m³	max. ca. 60 m³	max. ca. 75 m³
	Water flow rate (recommended)	2.4 m³/h	4.1 m³/h	5.2 m³/h
	Water connection	50 mm back side	50 mm back side	50 mm back side
Measuring conditions Air temperature 27°C** Water temperature 26°C	Heating output	1,12-6,80 kW	1,80-11,90 kW	3,25-16,80 kW
	Input power	0,11-1,27 kW	0,16-1,92 kW	0,30-2,91 kW
	Operating current	1,14-5,81 A	1,08-8,96 A	1,30-12,65 A
	COP	5,35-10,18	6,19-11,25	5,77-10,83
Measuring conditions Air temperature 15°C* Water temperature 26°C	Heating output	0,95-5,5 kW	1,60-8,40 kW	2,55-12,60 kW
	Input power	0,21-1,25 kW	0,26-1,81 kW	0,44-2,80 kW
	Operating current	0,91-5,43 A	1,13-7,86 A	1,91-12,17 A
	COP	4,40-5,70	4,64-6,15	4,50-5,80
	min. Water temperature	+8 °C	+8 °C	+8 °C
	Fuse protection	10 A	16 A	16 A
	Voltage/ Frequency range	230V/1pH 20-65 Hz	230V/1pH 20-90 Hz	230V/1pH 20-85 Hz
	Compressor Brand	Panasonic	Panasonic	Mitsubishi
	Compressor	rotating	rotating	rotating
	Number of fans	1	1	1
	Cable cross-section	3 x 2,5 mm²	3 x 2,5 mm²	3 x 2,5 mm²
	Sound pressure level[1]	19-29 dB(A)	22-32 dB(A)	24-33 dB(A)
	Sound pressure level[2]	38-50 dB(A)	42-53 dB(A)	43-54 dB(A)
	Protection class	IPX4	IPX4	IPX4
	Refrigerant quantity	675	675	675
	GWP-value	possible	possible	possible
	Displacement Display	R32/0,35 kg	R32/0,45 kg	R32/0,6 kg
	Net dimensions W x D x H	1000 x 418 x 605 mm	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	1030 x 435 x 615 mm	1130 x 480 x 780 mm
	Net weight	47 kg	51 kg	66 kg
	Delivery weight	58 kg	62 kg	79 kg
	Article number	3110	3111	3112

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

1) Measured sound pressure level at 10 m (20 - 85 Hz) 2) Measured sound pressure level at 1 m (20 - 85 Hz) * at 70 % air humidity ** at 80 % air humidity

HEAT PUMP MIDA.QUICK

EXCLUSIVE MIDAS

ENERGY-SAVING

R410A
OZONE FRIENDLY

PV-Ready!*

6 Years warranty
on Gree compressoron
Mitsubishi compressoron
Sanyo compressor

EXECUTIONS MIDA.QUICK

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

	Typ	MIDA.Quick 4	MIDA.Quick 7	MIDA.Quick 10	MIDA.Quick 13
	Air outlet	horizontal	horizontal	horizontal	horizontal
	Pool volume*	max. approx10 m³	max. approx 20 m³	max. approx 45 m³	max.approx. 60 m³
	Water flow rate (recommended)	1,5 m³/h	2,3 m³/h	4,5 m³/h	5,3 m³/h
	Water connection	50 mm backside	50 mm backside	50 mm backside	50 mm backside
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
	min. Water temperature	+8 °C	+8 °C	+8 °C	+8 °C
	Fuse protection	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 mm²	3 x 1,5 mm²	3 x 2,5 mm²	3 x 2,5 mm²
	Sound pressure level[1]	35 dB(A)	38 dB(A)	40 dB(A)	40 dB(A)
	Sound pressure level[2]	47 dB(A)	51 dB(A)	53 dB(A)	53 dB(A)
	Protection class	IPX4	IPX4	IPX4	IPX4
	Refrigerant quantity	2088	2088	2088	2088
	GWP-value	0,37 kg	0,6 kg	0,85 kg	1,0 kg
	Displacement 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

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

SPECIAL FEATURES

- available in sizes from 4-26 kW
- COP value of 3.7 - 5.9
- Operating range from -5°C to +35°C
- Pool volume up to approx. 100 m³ (depending on size)

- Housing made of galvanised steel, colour: RAL 7016 anthracite grey- Operating modes: heating, cooling, automatic
- Automatic defrosting device
- With titanium heat exchanger, ideal for salt water and chlorine
- With LED display- Includes winter cover
- Includes flow switch
- Max. water temperature (operation) up to +40°C
- Refrigerant R410 A
- Pressure gauge
- Electrical protection: slow-blow fuse (C-automatic), RCD 30 mA < 0.1s

Accessories see from catalogue page 151

*As the design 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 will be happy to provide on 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. approx135 m³
6,0 m³/h	8,0 m³/h	7,9 m³/h
50 mm rückseitig	50 mm seitlich	50 mm seitlich
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	+8 °C	+8 °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

1) Measured sound pressure level at 10 m 2) Measured sound pressure level at 1 m * at 60-70 % air humidity

HEAT PUMP MIDA.BLACK

EXCLUSIVE MIDAS

R410A
OZONE FRIENDLY

PV-Ready!*

5 years warranty
on Gree-compressor
on Highly-compressor

VERSIONS OF MIDA.BLACK

#2950 #2951 #2952 #2953 #2954 #2955

	Type	MIDA.Black 8	MIDA.Black 11	MIDA.Black 14
	Air outlet	horizontal	horizontal	horizontal
	Pool Volume*	max. 30 m³	max. 55 m³	max. 75 m³
	Water flow (recommended)	5,0 m³/h	6,0 m³/h	7,0 m³/h
	Connection	50 mm backside	50 mm backside	50 mm backside
Measurement conditions Air temperature 24°C* Water temperature 26°C	Heating power	7,6 kW/ 25,9 kBtu/h	10,7 kW/ 36,5 kBtu/h	14,5 kW/ 49,5 kBtu/h
	Input power	1,36 kW	1,96 kW	2,29 kW
	Operating current	6,22 A	9,01 A	11,09 A
	COP	5,6	5,5	6,3
Measurement conditions Air temperature 15°C* Water temperature 26°C	Heating power	6,1 kW/ 20,7 kBtu/h	8,4 kW/ 28,7 kBtu/h	11,9 kW/ 40,6 kBtu/h
	Input power	1,21 kW	1,79 kW	2,22 kW
	Operating current	5,55 A	8,19 A	10,71 A
	COP	5,0	4,7	5,1
	min. water temperature	+8 °C	+8 °C	+8 °C
	Safeguarding	16 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
	Compressor brand	Gree	Gree	Gree/Highly
	Compressor	rotating	rotating	rotating
	Number of fans	1	1	1
	Cable cross section	3 x 2,5 mm²	3 x 2,5 mm²	3 x 4,0 mm²
	Noise pressure level[1]	38 dB(A)	38 dB(A)	40 dB(A)
	Noise pressure level[2]	52 dB(A)	52 dB(A)	55 dB(A)
	Protection class	IPX4	IPX4	IPX4
	GWP-value	675	675	675
	Alternative placement display	possible	possible	possible
	Display extension	incl. 10 m Cable	incl. 10 m Cable	incl. 10 m Cable
	Refrigerant charge	0,75 kg	0,9 kg	1,0 kg
	Net dimensions B x T x H	970 x 360 x 585 mm	1045 x 370 x 625 mm	1110 x 416 x 711 mm
	Shipping dimensions B x T x H	1060 x 380 x 615 mm	1130 x 390 x 665 mm	1150 x 450 x 840 mm
	Net weight	48 kg	54 kg	68 kg
	Delivery weight	55 kg	62 kg	81 kg
	Code	2950	2951	2952

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

FEATURES

- available in sizes from 8 – 26 kW
- COP value up to 4,5-6,6
- operating range from -10°C to +40°C
- pool volume about 150 m³ (depending on size)
- housing made of ABS plastic, color: black

- operating modes: cooling, heating, automatic
- automatic defrosting
- with Titanumium heat exchanger, excellent suitable for salt water and chlorine
- with LED-Display
- incl. winter cover
- incl. flow switch
- max. water temperature (operation) +40°C
- refrigerant R32
- manometer
- electrical protection: fuse slow (C-machine), RCCB 30mA <0.1s

For accessories see catalog page 151

*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!

MIDA.Black 17	MIDA.Black 21	MIDA.Black 26
horizontal	horizontal	horizontal
max. 95 m³	max. 120 m³	max. 150 m³
10,0 m³/h	12,0 m³/h	15,0 m³/h
50 mm backside	50 mm backside	50 mm seitlich
17,1 kW/ 58,4 kBtu/h	20,6 kW/ 70,3 kBtu/h	24,6 kW/ 83,6 kBtu/h
2,74 kW	3,14 kW	3,94 kW
3 x 5,97 A	3 x 7,36 A	3 x 8,29 A
6,3	6,6	6,2
13,9 kW/ 47,5 kBtu/h	7,92 kW/ 61,1 kBtu/h	20,7 kW/ 70,6 kBtu/h
2,72 kW	3,57 kW	4,26 kW
3 x 5,89 A	3 x 7,45 A	3 x 8,66 A
5,1	5,0	4,9
+8 °C	+8 °C	+8 °C
3 x 10 A	3 x 10 A	3 x 16 A
400 V/3 pH/50 Hz	400 V/3 pH/50 Hz	400 V/3 pH/50 Hz
Gree	Gree	Gree
rolling	rolling	rolling
1	1	2
5 x 2,5 mm²	5 x 2,5 mm²	5 x 2,5 mm²
41 dB(A)	42 dB(A)	42 dB(A)
59 dB(A)	60 dB(A)	60 dB(A)
IPX4	IPX4	IPX4
675	675	675
possible	possible	possible
incl. 10 m Cable	incl. 10 m Cable	incl. 10 m Cable
1,1 kg	1,45 kg	1,75 kg
1110 x 416 x 711 mm	1110 x 446 x 958 mm	1110 x 446 x 1260 mm
1150 x 450 x 840 mm	1150 x 475 x 1088 mm	1150 x 475 x 1388mm
84 kg	100 kg	118 kg
97 kg	117 kg	136 kg
2953	2954	2955

MIDA.Black 26

1) measured sound pressure level at 10 m 2) measured sound pressure level at 1 m * at 60-70% humidity

HEAT PUMP MIDA.PUBLIC

EXCLUSIVE MIDAS

PV-Ready!*

2 years manufacturer's warranty

Warranty on Sanyo and Copeland compressors: 6 years

VERSIONS OF MIDA.PUBLIC

	Typ	MIDA.Public 55	MIDA.Public 95	MIDA.Public 120
	Air outlet	vertical	vertical	vertical
	Pool Volume*	max. 250 m³	max. 440 m³	max. 550 m³
	Water flow (recommended)	25 m³/h	2,3 m³/h	35 m³/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 mm²	5 x 16 mm²	5 x 16 mm²
	Noise pressure level²	60 dB(A)	61 dB(A)	62 dB(A)
	Schutzklasse	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 Titanumium 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

For accessories see catalog page 151

*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 m³	max. 850 m³
42 m³/h	60 m³/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 mm²	5 x 35 mm²
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 × 1220 × 2200 mm	2240 × 1220 × 2120 mm
664 kg	891 kg
709 kg	964 kg
2684	2685

2) measured sound pressure level at 1 m * at 60-70% humidity * at 59,2% humidity

HEAT PUMP MIDA.COOL

EXCLUSIVE MIDAS

PV-Ready!*

R410A
OZONE FRIENDLY

2 years manufacturer's warranty

Warranty on Sanyo and Copeland compressors: 6 years

VERSIONS OF MIDA.COOL

	Typ	MIDA.Public 55	MIDA.Public 95	MIDA.Public 120
	Air outlet	vertical	vertical	vertical
	Pool Volume*	max. 190 m³	max. 350 m³	max. 450 m³
	Water flow (recommended)	10 m³/h	20 m³/h	25 m³/h
	Connection	63 mm	90 mm	110 mm
HEATING Measurement conditions Air temperature 24°C* Water temperature 26°C	Heating power	45.0 kW / 153.0 kBtu/h	85 kW.0 / 289.0 kBtu/h	105.0 kW / 357.0 kBtu/h
	Input power	9.5 kW / 32.3 kBtu/h	18.4 kW / 62.56 kBtu/h	21.6 kW / 73.44 kBtu/h
	Operating current	3,5 A	5,7 A	3 x 39 A
	COP	4,6	5,1	5,9
HEATING Measurement conditions Air temperature 15°C* Water temperature 26°C	Heating power	2,6 kW / 8,9 kBtu/h	4,2 kW / 14,2 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 43°C* Water temperature 32°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
	Refrigerant	R407C	R407C	R407C
	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 mm²	5 x 16 mm²	5 x 16 mm²
	Noise pressure level²	60 dB(A)	61 dB(A)	62 dB(A)
	Schutzklasse	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 W x T x H	1448 x 730 x 1060 mm	2180 x 1080 x 1930 mm	2180 x 1080 x 1930 mm
	Shipping dimensions W 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	2690	2691	2692

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 Titanumium 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

For accessories see catalog page 151

*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 m³	max. 750 m³
40 m³/h	60 m³/h
110 mm	110 mm
160.0 kW / 544.0 kBtu/h	210.0 kW / 714.0 kBtu/h
34.2 kW / 116.28 kBtu/h	44.8 kW / 152.32 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
R407C	R407C
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 mm²	5 x 35 mm²
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 × 1220 × 2200 mm	2240 × 1220 × 2120 mm
664 kg	891 kg
709 kg	964 kg
2693	2694

2) measured sound pressure level at 1 m * at 60-70% humidity * at 59,2% humidity

WIFI ADAPTER FOR HEAT PUMPS

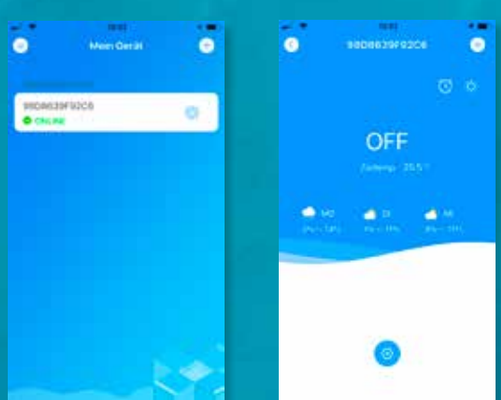
WIFI-ADAPTER

FOR MOBILE MONITORING AND CONTROL OF HEAT PUMPS

Location-independent heat pump control with your smartphone, tablet PC or PC with internet access. Control your heat pump with the various MIDAS apps and find out about important parameters such as the current water temperature, operating status or other indicators and save energy. The apps are available free of charge from the Google Play Store (Android) or the Apple App Store (iOS).

#2603
#2609

Aqua Temp App



Article	Code
WIFI adapter for inverter heat pumps	2603
WIFI adapter for ON/OFF heat pumps	2609

Also for retrofitting.

Customer photo: T.R BAUTRANSPORT GMBH

ACCESSORIES FOR HEAT PUMPS

CONNECTION MODULE FOR LINK-TOUCH

Required as an accessory for the temperature control of the heat pump via Link-Touch (see catalogue page 260). The connection is made between the circuit board and the display via the heat pump's contact plug. Suitable for: MIDA.Maxx (from 2020 series), MIDA.Boost, MIDA.Force and MIDA. JoyNote: **Cannot** be connected at the same time as the WiFi module.

Article	Code
Verbindungsstecker	3601

#3601

BYPASS SET FOR HEAT PUMPS

EXCLUSIVE MIDAS

Scope of delivery consisting of the following individual parts:

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 à 15 cm
1 x Griffon PVC adhesive WDF-05 125 ml
1 x Griffon cleaner can 125 ml
2 x Hose clamp St. vz. 32-50 mm
2 x Hose nozzle 50 mm Adhesive x 38 mm spigot

The individual parts are supplied loose (**not** glued, the complete set is practically packed together in a cardboard box).

#2600

Article	Code
Bypass set for heat pumps - 50 mm	2600

PRO CLEAN

HEAT PUMP CLEANER

Gentle cleaner, acid-free, for most surfaces with a strong cleaning effect, no rinsing necessary. For removing dirt and deposits, removes mechanical grease, insects, dirt particles, dust and weather-related soiling.

Article	VPE	Code
1 liter spray bottle	6	8047

#8047

STAINLESS STEEL CARE SPRAY

Care, protection and cleaning of shiny and matt stainless steel. Ideal for our MIDA.Maxx heat pump, pool ladders, stainless steel splash showers, outdoor showers or the edges of stainless steel pools.

Article	VPE	Code
400 ml Spray	12	8048

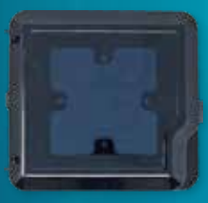
#8048

HEAT PUMP ACCESSORIES

#2670-E40

#3000-E32

#2670-E41



#3000-E33

Article	Code
MIDA.Force, MIDA.Joy & MIDA.Quick empty housing for external display attachment	3000-E33
MIDA.Maxx & MIDA.Boost empty housing for external display attachment	2670-E41
MIDA.Quick 10 m extension cable display/WiFi module	3000-E32
MIDA.Maxx, MIDA.Boost, MIDA.Force & MIDA.Joy10 m extension cable display/WiFi module	2670-E40
MIDA.Black 10 m extension cable display / WiFi module	2900-E44

WINTER COVERS FOR HEAT PUMPS

Winter cover for	Dimensions (W x D x H)	Material	Code
MIDA.Maxx 14	800 x 750 x 750 mm	PET 80 gr/m²>1 mm	2633
MIDA.Maxx 17	800 x 750 x 750 mm	PET 80 gr/m²>1 mm	2633
MIDA.Maxx 21	787 x 827 x 887 mm	PET 80 gr/m²>1 mm	2634
MIDA.Maxx 25	787 x 827 x 887 mm	PET 80 gr/m²>1 mm	2634
MIDA.Maxx 31	920 x 960 x 910 mm	PET 80 gr/m²>1 mm	2635
MIDA.Boost 12	1100 x 440 x 750 mm	PET 80 gr/m²>1 mm	2624
MIDA.Boost 18	1190 x 470 x 850 mm	PET 80 gr/m²>1 mm	2625
MIDA.Boost 24	1190 x 495 x 1275 mm	PET 80 gr/m²>1 mm	2626
MIDA.Boost 29	1190 x 495 x 1275 mm	PET 80 gr/m²>1 mm	2626
MIDA.Force 7	1030 x 410 x 595 mm	PET 80 gr/m²>1 mm	2631
MIDA.Force 12	1030 x 410 x 595 mm	PET 80 gr/m²>1 mm	2631
MIDA.Force 17	1100 x 440 x 750 mm	PET 80 gr/m²>1 mm	2624
MIDA.Force 20	1110 x 440x 750 mm	PET 80 gr/m²>1 mm	2632
MIDA.Joy 7	1030 x 410 x 595 mm	PET 80 gr/m²>1 mm	2631
MIDA.Joy 12	1030 x 410 x 595 mm	PET 80 gr/m²>1 mm	2631
MIDA.Joy 17	1100 x 440 x 750 mm	PET 80 gr/m²>1 mm	2624
MIDA.Quick 4	800 x 300 x 580 mm	PET 80 gr/m²>1 mm	2627
MIDA.Quick 7	800 x 300 x 580 mm	PET 80 gr/m²>1 mm	2627
MIDA.Quick 10	1000 x 400 x 630 mm	PET 80 gr/m²>1 mm	2628
MIDA.Quick 13	1000 x 400 x 630 mm	PET 80 gr/m²>1 mm	2628
MIDA.Quick 17	1140 x 455 x 840 mm	PET 80 gr/m²>1 mm	2629
MIDA.Quick 21	1200 x 500 x 1300 mm	PET 80 gr/m²>1 mm	2630
MIDA.Quick 26	1200 x 500 x 1300 mm	PET 80 gr/m²>1 mm	2630

SOLAR ABSORBER

MIDA.SUNNY SOLAR ABSORBER

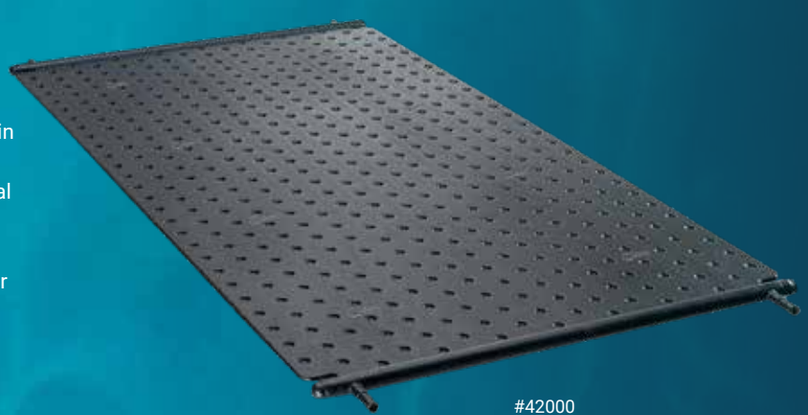
ENERGY-SAVING

EXCLUSIVE MIDAS

High-quality solar absorbers for free heating of the pool water through UV radiation with high efficiency. The CoEx process used in production results in a two-layer material structure of the absorber with different material properties. This results in high stability and weather resistance, as well as permanent UV resistance, which guarantees the longevity of the swimming pool absorber. The material can be walked on and is frost-proof (draining in winter or frost-proof in combination with antifreeze). The solar absorber surface should be at least 55% of the pool surface. The heating depends on the pool size, running time, desired water temperature, utilisation period, climatic conditions and wind conditions, as well as the use of a pool cover.

SPECIAL ADVANTAGES:

- Made of UV-resistant PE-HD with a max. temperature of +65°C (absorption)- No soot particles that can appear in the pool years later in the pool after years
- One model with 8 connections for all applications (vertical or horizontal, on the edge or in the centre)
- Quick installation due to large format, fewer connections and only two fixing points per absorber on the profile rail
- Minimal pressure loss of 0.003 bar - only absorber in the CoEx process



#42000

MOUNTING OPTIONS

Roof mounting

Freestanding

Open space installation

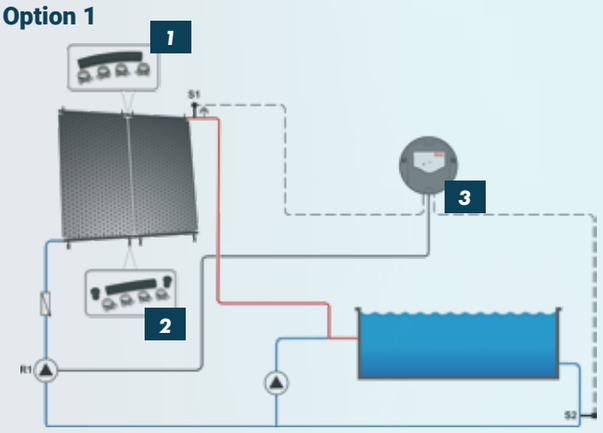
Technical data	
Installation	horizontal or vertical
Connections	4x 40 mm and 4x 25 mm
Pressure loss	0,003 bar with 200 l/h
Flow rate	120-180 l/h
Max. Pressure	3 bar
Operating pressure	1 bar
Surface area	2,2 m²
Dimensions	200 cm x 111 cm x 1,5 cm
Weight	14 kg

Article	Code
MIDA.Sunny solar absorber	42000

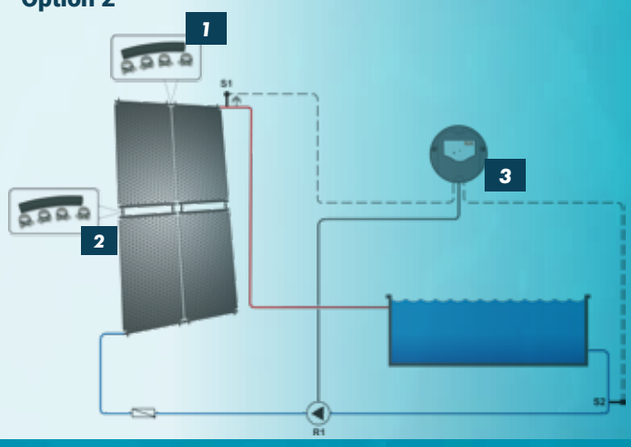
INSTALLATION

1. Connection set 40 mm (#42010)
2. End cap set 25 mm (#42012)
3. Temperature difference control 230V (#42030)

Option 1



Option 2



MIDA.SUNNY MOUNTING ACCESSORIES


#42001


#42010
#42011


#42012


#42020


#42021


#42022


#42023


#42030


#42013
#42014


#42015
#42016

Article	Code
Hose clamp for 25 mm	42014
Hose clamp for 40 mm	42013
Connection for mounting rails 300 x 35 x 15 mm	42022
Connection set 25 mm for 2 connections	42011
End plug set 25 mm for 2 connections	42012
Connection set 40 mm for 2 connections	42010
Stainless steel fixing anchor universal	42023
Aluminium mounting rail short 1,110 x 40 x 20 mm	42021
Connection set 50 mm, **including** drainage and ventilation	42001
Long aluminium mounting rail 2,230 x 40 x 20 mm	42020
Fabric hose 25 mm, length: 5m	42016
Fabric hose 40 mm, length: 5m	42015
Temperature difference control 230V, **including** 2 temperature sensors	42030

HEAT EXCHANGER

For fast and flexible heating: A heat exchanger is used to transfer heat energy from one medium to another without mixing the two media. The heat exchanger can be easily installed in the existing installation. All models can be installed on electrically operated boilers, boilers fuelled with firewood, pellets or oil, heat pumps and solar systems and can be connected to them. The design and materials used for the heat exchangers allow them to be used in a wide variety of pool systems.

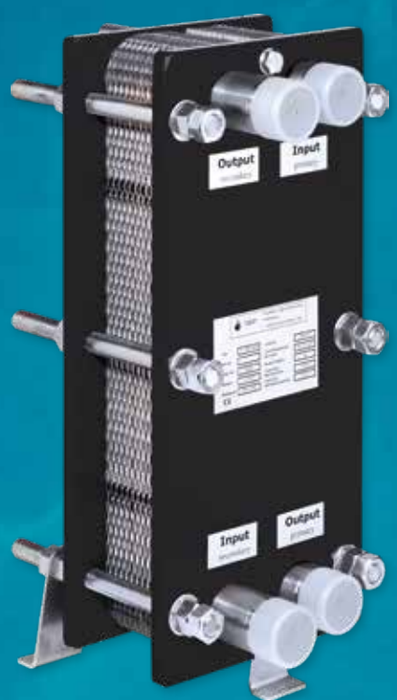
PLATE HEAT EXCHANGER SCREWED

AT LOW TEMPERATURE 55°C FLOW

ENERGY-SAVING

These plate heat exchangers are designed for heating bath water with hot water. Thanks to the large exchange surface, they are ideal for low-temperature heating systems such as solar systems, geothermal systems, heat pumps and similar alternative and innovative heating systems.

Available in stainless steel V4A/AISI 316 or titanium version.
Installation direction: horizontal and vertical

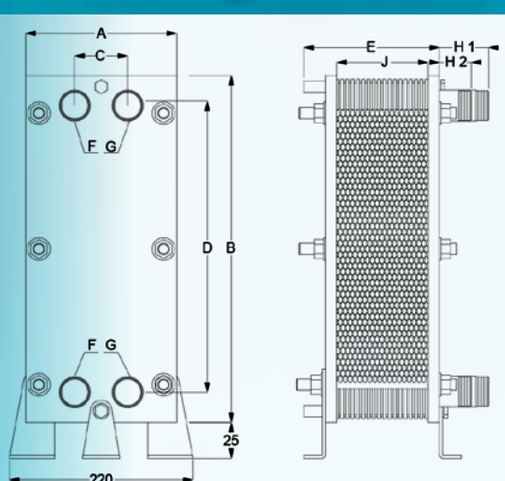


Note on corrosion prevention:
The following water values must not be exceeded:

Stainless steel V4A/AISI 316	Chloride content:	max. 500 mg/l
	Free chlorine:	max. 1 mg/l
	pH:	max. 6,8 - 7,8
Titan:	Chloride content:	max. 3000 mg/l
	Free chlorine:	unlimited
	pH:	max. 6,8 - 7,8
	Salt:	max. 3,5 %

If these limit values are not observed, the heat exchanger may be destroyed by corrosion.

Attention: Sterilisation devices must always be installed downstream of the heat exchanger in such a way that no chemicals or gases can enter the heat exchanger even during downtimes.



Version	A	B	C	D	E	H1/F	H2/G	J
32 kW	200 mm	460 mm	69 mm	380 mm	110 mm	1¼" x 50 x 40	1¼"/42 mm	26,5 mm
55 kW	200 mm	460 mm	69 mm	380 mm	110 mm	1¼" x 50 x 40	1¼"/42 mm	38 mm
75 kW	200 mm	460 mm	69 mm	380 mm	110 mm	1¼" x 50 x 40	1¼"/42 mm	49,5 mm
100 kW	200 mm	460 mm	69 mm	380 mm	170 mm	1¼" x 50 x 40	1¼"/42 mm	61 mm
120 kW	200 mm	460 mm	69 mm	380 mm	170 mm	1¼" x 50 x 40	1¼"/42 mm	72,5 mm

Technical information	32 kW		55 kW		75 kW		100 kW		120 kW	
	Stainless steel	Titan	Stainless steel	Titan	Stainless steel	Titan	Stainless steel	Titan	Stainless steel	Titan
Material sheets	V4A/AISI 316	Titan	V4A/AISI 316	Titan	V4A/AISI 316	Titan	V4A/AISI 316	Titan	V4A/AISI 316	Titan
Material threaded rods	V2A/AISI 304		V2A/AISI 304		V2A/AISI 304		V2A/AISI 304		V2A/AISI 304	
Heat output	32 kW		55 kW		75 kW		100 kW		120 kW	
Primary on/off	55/37,5 °C		55/36,5 °C		55/34,5 °C		55/35,5°C		55/34°C	
Secondary on/off	20/37,2 °C		20/37,6 °C		20/36 °C		20/38,8 °C		20/37,5 °C	
Heat output	23 kW		40 kW		54 kW		70 kW		84 kW	
Primary on/off	45/32,5 °C		45/31,6 °C		45/30,3 °C		45/31,5°C		45/30,4°C	
Secondary on/off	20/32,5 °C		20/33 °C		20/31,5 °C		20/33,2 °C		20/32 °C	
Primary flow rate	1,6 m^3/h		2,6 m^3/h		3,2 m^3/h		4,5 m^3/h		5 m^3/h	
Secondary flow rate	1,6 m^3/h		2,7 m^3/h		4 m^3/h		4,6 m^3/h		6 m^3/h	
Primary pressure loss	0,17 bar		0,2 bar		0,14 bar		0,21 bar		0,19 bar	
Secondary pressure loss	0,18 bar		0,23 bar		0,28 bar		0,23 bar		0,28 bar	
Calculation basis secondary	20 °C		20 °C		20 °C		20°C		20°C	
Swimming pool installation	Bypass		Bypass		Bypass		Bypass		Bypass	
Number of discs	9		13		17		21		25	
Surface area	0,29 m^2		0,45 m^2		0,62 m^2		0,78 m^2		0,94 m^2	
Max. operating temperature	90 °C		90 °C		90 °C		90°C		90°C	
Max. operating pressure	10 bar		10 bar		10 bar		10 bar		10 bar	
Unladen weight	25 kg	24 kg	27 kg	25 kg	28 kg	26 kg	29 kg	27 kg	31 kg	29 kg
Inner frame distance (see dimension J)	26,5 mm		38 mm		49,5 mm		61 mm		72,5 mm	
Frame material	Structural steel S235JR, painted in black		Structural steel S235JR, painted in black		Structural steel S235JR, painted in black		Structural steel S235JR, painted in black		Structural steel S235JR, painted in black	
Seals bonded NBRHT	max. 150 °C		max. 150 °C		max. 150 °C		max. 150°C		max. 150°C	
Code	920	925	921	926	922	927	923	928	924	929

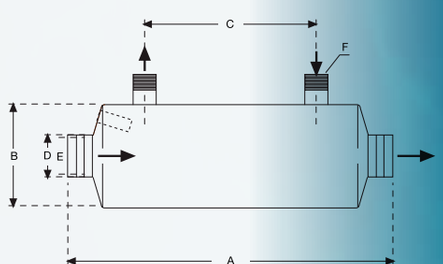
HEAT EXCHANGER VOLLTITAN*

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

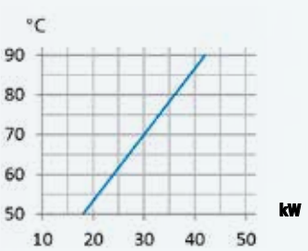
- Operating pressure: max. 10 bar on the heating side, max. 3 bar on the bath water side
- Heating by boiler, solar collectors or other hot water sources
- Installation direction: horizontal and vertical

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

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

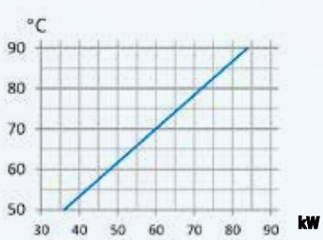


Version	A (mm)	B (Ø)	C (mm)	D (mm)	E (Zoll)	F (Zoll)
42 kW	385	125	205	NW/50	1 ½"	¾"
84 kW	680	125	495	NW/50	1 ½"	1"
126 kW	780	160	590	NW/60	2"	1"
154 kW	1050	160	820	NW/60	2"	1"



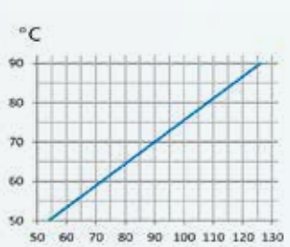
42 kW

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



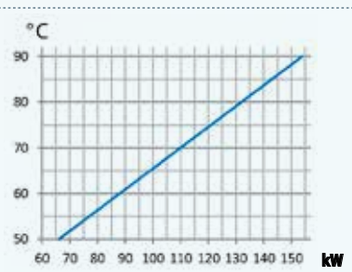
84 kW

90° = 84 kW
80° = 72 kW
70° = 60 kW
60° = 48 kW
50° = 36 kW



126 kW

90° = 126 kW
80° = 108 kW
70° = 90 kW
60° = 72 kW
50° = 54 kW



154 kW

90° = 154 kW
80° = 132 kW
70° = 110 kW
60° = 88 kW
50° = 66 kW

Heat output	Code
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

#9HWT-H4
#9HWT-H3

#9HWT-H
#9HWT-H2

* Supplied **without** bracket

HEAT EXCHANGER STAINLESS STEEL*

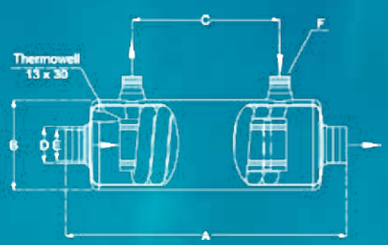
Made of acid-resistant stainless steel V4A/AISI 316, pickled and electropolished, outer casing with welded-in welded-in tube coil and immersion nozzle for electronic temperature measurement, 90/60°C.

- Operating pressure: max. 10 bar on the heating side, max. 3 bar on the bath water side
- Heating by boiler, solar collectors or other hot water sources
- Installation direction: horizontal and vertical

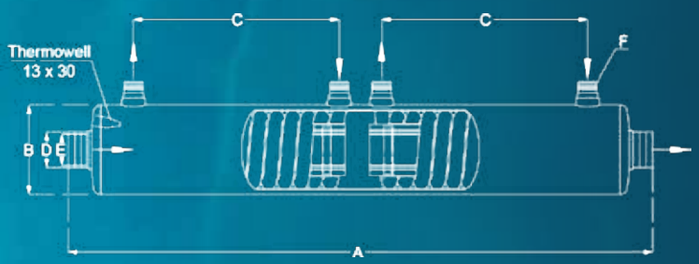
The following water values must not be exceeded, otherwise corrosion will occur.

Stainless steel V4A/AISI 316:
Chloride content: max. 500 mg/l
Free chlorine: max. 1 mg/l
pH: max. 6,8 - 7,8

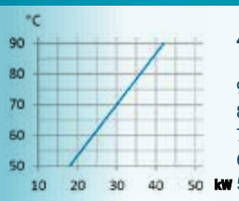
42 kW/84 kW/133 kW



175 kW/259 kW

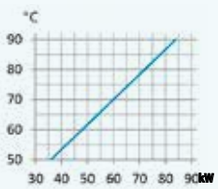


Ausführung	A (mm)	B (Ø)	C (mm)	D (mm)	E (Zoll)	F (Zoll)
42 kW	385	125	205	NW/50	1 ½" IG	¾"
84 kW	680	125	495	NW/50	1 ½" IG	1"
133 kW	780	160	590	NW/63	2" IG	1"
175 kW	1050	160	370	NW/63	2" IG	1"
259 kW	1370	160	530	NW/63	2" IG	1"



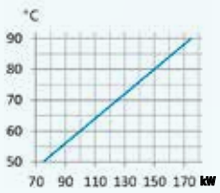
42 kW

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



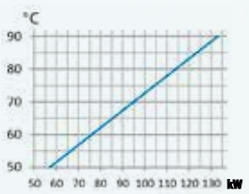
84 kW

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



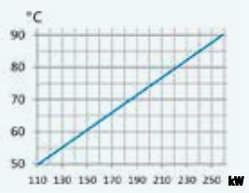
175 kW

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



133 kW

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



259 kW

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

#9HWT-H4
#9HWT-H3

#9HWT-H
#9HWT-H2

Heat output	Code
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 kW36.120 kcal /h	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** bracket

HEAT EXCHANGER

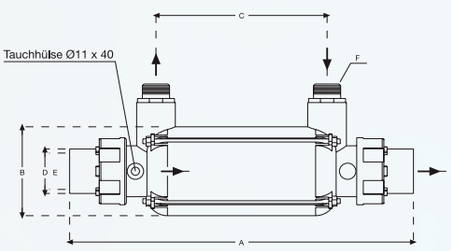
PLASTIC/STAINLESS STEEL **OR** PLASTIC/TITANIUM*

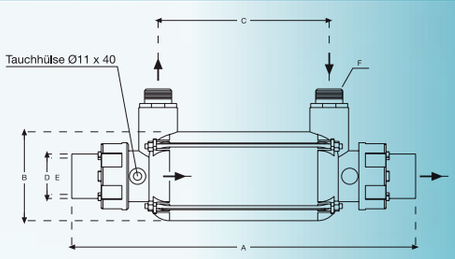
Plastic water heat exchanger with stainless steel **or** corrugated titanium pipe.
Suitable for heating swimming pools, whirlpools and other facilities.

- Operating pressure: max. 6 bar on the heating side, max. 2.5 bar on the bath water side
- Temperature: max. 90°C
- Material housing: plastic polyamide 6.6, 30 % glass fibre reinforced, adhesive sleeve: ABS, O-rings: silicone
- Heating: bath water through boilers, solar systems, heat pumps or low
- Temperature heating systems
- Installation direction: horizontal and vertical

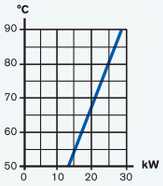
28 kW/46 kW

85 kW/108 kW



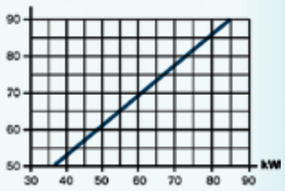


Version	A (mm)	B (mm)	C (mm)	D	E (mm)	F (Zoll)
28 kW/95,5 kBtu/h	345	110	135	63	50	¾"
46 kW/157,0 kBtu/h	415	110	205	63	50	¾"
85 kW/290,0 kBtu/h	705	110	495	63	50	1"
108 kW/368,5 kBtu/h	1015	110	805	63	50	1"



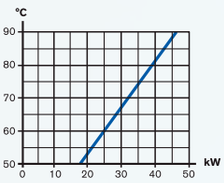
28 kW

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



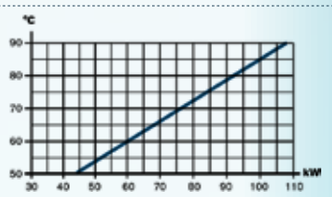
85 kW

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

MODEL PLASTIC/STAINLESS STEEL

Heat output	Code
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

MODEL PLASTIC/TITANIUM

Heat output	Code
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

* Supplied **without** bracket

HEAT EXCHANGER HI-FLOW

Suitable for pools up to 300 m³. 1 ½‘ internal thread on secondary side, 1’ external thread on primary side
• horizontal installation direction

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

Including MOUNTS

FEATURES:

- Max. pressure secondary circuit (swimming pool water) 8 bar
- Primary circuit (hot water) 30 bar
- Acid-resistant stainless steel V4A/AISI 316L
- Coil for heat medium
- Sensor compartment
- Adjustable brackets made of acid
- Resistant stainless steel
- Four output levels: 13, 28, 40 and 75 kW
- Connection to boiler, heat pump, solar system or other existing heat sources

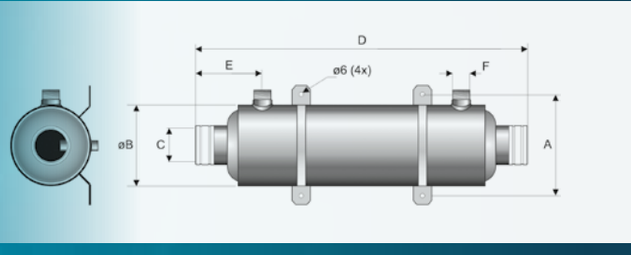
MODEL HI-FLOW TITANIUM

Including MOUNTS

FEATURES:

- Max. pressure secondary circuit (pool water) 5 bar
- Primary circuit (hot water) 10 bar
- Titanium coil for heat medium
- Sensor compartment
- Adjustable brackets made of acid-resistant stainless steel
- Three output 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 l/min	Pressure drop mWs	Secondary side, cold water l/min	Pressure drop mWs	Code
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 x (a) + 2 x (b), for heat exchanger type/model HI-FLOW.

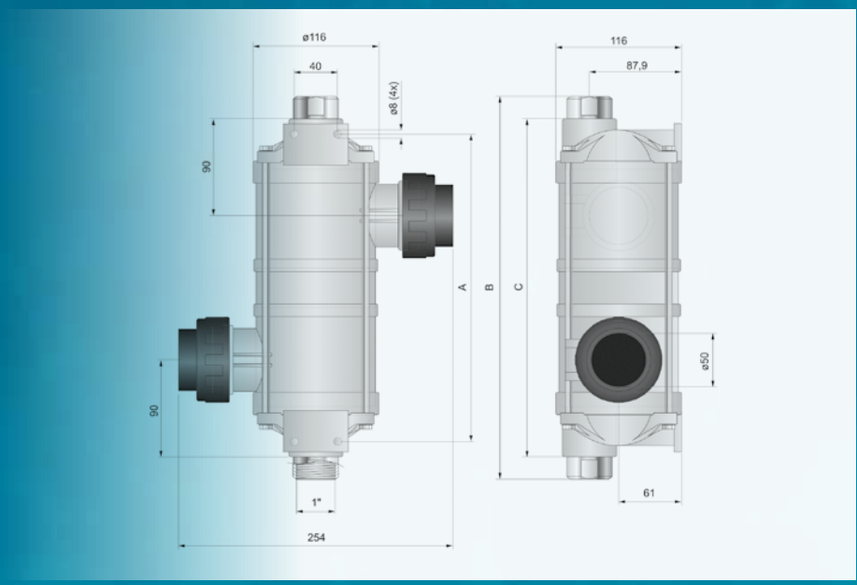
Article	Code
Bracket for heat exchanger	940-H

HEAT EXCHANGER HI-TEMP

Housing made of glass fibre reinforced plastic, heating element made of acid-resistant stainless steel V4A/AISI 316 or titanium, adhesive connection for Ø 50 mm pipe,
including holder.
Model in stainless steel: colour blue
Model in titanium: colour beige

- Max. temperature: +100°C
- Operating pressure: flow max. 5 bar
- Return: max. 4 bar
- For swimming pools up to 300 m³
- Installation direction: horizontal and 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



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

Including MOUNTS

FEATURES:
- Outer casing made of thermoplastic material
- Hot water register made of acid-resistant stainless steel
- Integrated wall mounting
- Slip connections for bonding Ø 50 mm pipes
- Connection to boiler, heat pump, solar thermal system or other heat source

MODEL HI-TEMP IN TITANIUM

Including MOUNTS

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 thermal system or other heat source

Article	CapacitykW kBtu/h		Primary side, hot water l/min Pressure drop mWs		Secondary side, cold water l/min Pressure drop mWs		Code
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 Titanium	40	135	52	1,5	300	1,1	962-T
Hi-Temp 75 Titanium	75	260	58	2,5	300	1,2	963-T

ELECTRIC HEATERS 230V and 400V
WITH DIGITAL DISPLAY

In accordance with the electrical safety standards
EN 60335-1:2001+A1+A2 and EN 60335-2-35:2002+A1.
Housing made of thermoplastic reinforced with fiberglass, the desired pool temperature can be conveniently set and the current temperature read off using the LED display.
Overheating protection, heating element made of Incoloy 825, flow monitor, adhesive connection d 50 mm, PVC pipework.
Minimum flow rate 90 l/min, maximum pressure: 2 bar.
Suitable for swimming pools up to 100 m3

Including brackets

- Housing made of polyamide (glass fibre reinforced)
- Capacity 3-15 kW- Supplied with contactors and electronics
- Digital control and display- Heating elements made of Incoloy 825
- Equipped with overheating limit switch and flow monitor
- Dual built-in protection- Protection class IP44

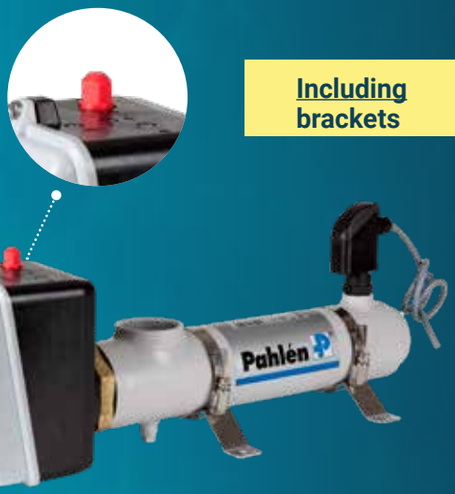
Titanium version on request

Length	Heat output	Ampere 230 V	Ampere 400 V	Code
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

Housing made of acid-resistant stainless steel V4A/AISI 316, heating coil made of Incoloy 825, pressure switch as low-water safety device 230/400 V, Overheating thermostat and control thermostat 0-45°C, 3-way fuse: Pressure switch, overheating thermostat, control thermostat 0-45°C, 1½" internal thread. Minimum flow rate 85 l/min. Maximum pressure: 4 bar
Suitable for swimming pools up to 100 m3.

Including brackets



FEATURES:

- Housing made of stainless steel V4A/AISI 316
- Capacity 3-18 kW
- Electric heater made of thermoplastic reinforced with fibreglass
- Horizontal installation, eliminates air build-up and damage to the electric heating element damage to the electric heating element
- Incoloy 825 heating elements- Equipped with overheat protection and flow switch
- Supplied with sturdy brackets- Sealing glands for Ø 50 mm pipes

Length	Heat output	Ampere 230 V	Ampere 400 V	Code
452,5 mm	3 kW	8	5	930-DS
452,5 mm	6 kW	15	9	931-DS
552,5 mm	9 kW	23	14	932-DS
552,5 mm	12 kW	31	18	933-DS
552,5 mm	15 kW	38	22	934-DS
552,5 mm	18 kW	46	27	935-DS

ELECTRIC HEATER 230V AND 400V

PLASTIC & INCOLOY

Electric heater made of thermoplastic for increased strength.
Heating element made of Incoloy 825.
Supplied with a thermostat for setting the pool temperature as well as overheating protection and flow monitor. Minimum flow rate 90 l/min. Maximum pressure: 2.5 bar.
Suitable for swimming pools up to 100 m3.

FEATURES:

- Plastic housing
- Capacity 3-18 kW
- Electric heater made of thermoplastic reinforced with fiberglass
- Horizontal installation, eliminates air accumulation and damage to the electric heating element.
- Heating elements made of Incoloy 825
- Equipped with overheat protection and flow switch
- Supplied with sturdy brackets - for easy and flexible installation
- Gasket fittings for Ø 50 mm pipes - for easy installation

Length	Heat output	Ampere 230 V	Ampere 400 V	Code
358 mm	3 kW	8	5	901
358 mm	6 kW	15	9	902
540 mm	9 kW	23	14	903
540 mm	12 kW	31	18	904
540 mm	15 kW	38	22	905
540 mm	18 kW	46	27	906

ELECTRIC HEATER

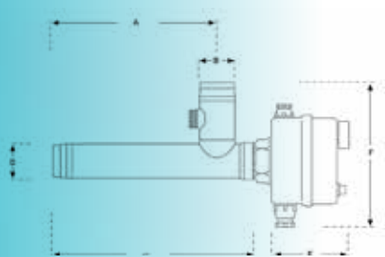
Electric heater to heat swimmingpools or whirlpools.
It is easily and simply connected to the water circuit with the gluing socket d 50 mm.
Perfect for permanent and mobile facilities.
Pressure switch for low water protection and highly corrosion proof heating elements in Incoloy 825, are very cost-effective without limiting fuctionality and quality.

CHARACTERISTICS:

- Max. pressure: 3 bar
- Control thermostat 0-40°C
- Safety thermostat 55°C
- Mounting direction horizontal and vertical

Heat performance	Ampere 400 V	Code	Weight
3 kW / 10,2 kBtu/h	4,3	9EWT-3	2,5 kg
6 kW / 20,5 kBtu/h	8,7	9EWT-6	3,0 kg
9 kW / 30,7 kBtu/h	13,0	9EWT-9	3,0 kg
12 kW / 40,9 kBtu/h	17,3	9EWT-12	3,5 kg
15 kW / 51,2 kBtu/h	21,7	9EWT-15	4,5 kg
18 kW / 61,4 kBtu/h	26,0	9EWT-18	4,5 kg

Model	A (mm)	B	C (mm)	D (mm)	E (mm)	F (mm)
3 kW / 10,2 kBtu/h	293	adhesive sleeve d 50 mm	345	475	110	225
6 kW / 20,5 kBtu/h	363	adhesive sleeve d 50 mm	415	545	110	225
9 kW / 30,7 kBtu/h	363	adhesive sleeve d 50 mm	415	545	110	230
12 kW / 40,9 kBtu/h	453	adhesive sleeve d 50 mm	505	635	110	230
15 kW / 51,2 kBtu/h	553	adhesive sleeve d 50 mm	605	735	110	240
18 kW / 61,4 kBtu/h	653	adhesive sleeve d 50 mm	705	835	110	240



SWIMMING POOL DEHUMIDIFIER

MIDA.AIR DRY 400, 500

Model	MIDA.Air DRY 400			MIDA.Air DRY 500		
Execution	Plastic	Sheet steel	Stainless steel V4A/AISI 316	Plastic	Sheet steel	Stainless steel V4A/AISI 316
Swimming pool surface	up to 45 m² - ideal for small swimming pools or spa areas			up to 60 m² - ideal for medium-sized swimming pools or spa areas		
Sound pressure level	Very quiet - 42 dB from a distance of 1 m			Very quiet - 44 dB from a distance of 1 m		
Electrical input power	700 W			1.000 W		
Heat output	1.900 W			3.500		
Dehumidification performance	max. 48 litres per day			max. 66 litres per day		
Air diffuser	600 m³/h			800 m³/h		
Pool safety light microLight LED	compatible (optional)			compatible (optional)		
Assembly	Wall mounting (floor mounting optionally possible with accessories)			Wall mounting (floor mounting optionally possible with accessories)		
Housing	✓	✓ RAL colours available on request	✓	✓	✓ RAL colours available on request	✓
Humidity controller	mechanical	digital + temperature controller	digital + temperature controller	mechanical	digital + temperature controller	digital + temperature controller
Humidity display	–	yes + temperature	yes + temperature	–	yes	yes
Display calibration	–	yes	yes	–	yes	yes
Accuracy	+/– 5 %	+/– 1 %	+/– 1 %	+/– 5 %	+/– 1 %	+/– 1 %
Dimensions (W x H x D)	780 x 660 x 255 mm	780 x 642 x 300 mm	780 x 642 x 300 mm	1.245 x 660 x 255 mm	1.245 x 642 x 300 mm	1.245 x 642 x 300 mm
Weight	40 kg	50 kg	50 kg	60 kg	77 kg	77 kg
Code	M400 K	M400 S	M400 E	M500 K	M500 S	M500 E

Available in RAL colours at no extra charge, please specify RAL code when ordering.

MIDA.Air DRY 400, 500
Stainless steel V4A/AISI 316

MIDA.Air DRY 400, 500 Sheet steel

MIDA.Air DRY 400, 500 plastic (acrylate), colour: white

MIDA.AIR DRY 800

3 YEAR WARRANTY

EXCLUSIVE MIDAS

Humidity can lead to serious problems if it is not controlled. The ideal value is around 55 - 65 %. A humidity level of over 70 % can be recognised by fogged windows and walls. This is also an excellent environment for the growth of mould and bacteria. Below 45 %, on the other hand, leads to dry air and possible damage to the mucous membranes. With the help of our dehumidifiers, you can maintain a comfortable humidity level of 55 - 65 %. Power supply 230 V/50Hz.

Advantage: high degree of heat recovery!

- **Including** automatic defrost
- For ambient temperatures from +22°C to +35 °C

Digital display MIDA.Air Sheet steel or stainless steel

MIDA.Air DRY 800
sheet steel

#MS800 S

Model	MIDA.AIR DRY 800
Execution	Sheet steel
Swimming pool surface	up to 90 m², ideal for medium-sized to large swimming pools or spa areas
Sound pressure level	very quiet, 46 dB from a distance of 1 m
Electrical input power	1.600 W
Heat output	5.100 W
Dehumidification performance	max. 90 liters per day
Air diffuser	1.100 m³/h
Pool Security microLight LED	compatible (optional)
Assembly	Floor mounting (wall mounting optionally possible with accessories)
Housing	✓
Moisture controller	digital
Humidity display	yes
Display calibration	yes
Accuracy	+/– 1 %
Dimensions (W x H x D)	1.250 x 950 x 310 mm
Weight	100 kg
Code	M800 S

OPTIONAL ACCESSORIES MIDA.AIR

Optional accessories MIDA.Air	Code
2 m cable for all sizes	M400-E2
Fresh air supply (adapter, Ø 100 mm, length 50 mm, galvanized) suitable for all versions	M301

#M400-VK, #M400-V, #M500-VK, #M500-V & #M800-V

Model	MIDA.AIR DRY 400			
Optional accessories MIDA.Air DRY 400	Plastic	Execution Stal plate	Stainless steel	Code
Air filter MIDA.Air DRY 400	✓	✓	✓	M400-F
Heating coil 3.5 kW, including solenoid valve for DRY 400 K with 230 V/5 A connection for external thermostat***	✓			M400-VK
Mobile floor console with 4 wheels for DRY 400 K, S + E	✓	✓	✓	M400-M
Wireless hygrostat (humidity and temperature)**	✓	✓	✓	M300
Heating coil 3.5 kW, including solenoid valve for DRY 400 S + E without 230 V/5 A connection, as thermostat already included***		✓	✓	M400-V
Rear wall mounting set for DRY 400 K*	✓			M400-W

#M400-M & #M500-M

#M400-W & #M500-W (Front view)

Model	MIDA.AIR DRY 500			
Optional accessories MIDA.Air DRY 400	Plastic	Execution Stal plate	Stainless steel	Code
Air filter MIDA.Air DRY 500	✓	✓	✓	M500-F
Heating coil 5.0 kW, **including** solenoid valve for DRY 500 K with 230 V/5 A connection for external thermostat***	✓			M500-VK
Mobile floor console with 4 wheels for DRY 500 K, S + E	✓	✓	✓	M500-M
Wireless hygrostat (humidity and temperature)**	✓	✓	✓	M300
Heating coil 5.0 kW, **including** solenoid valve for DRY 500 S + E without 230 V/5 A connection, as thermostat already included***		✓	✓	M500-V
Rear wall mounting set for DRY 500 K*	✓			M500-W

#M400-W & #M500-W (Rear view)

#M300

Model	MIDA.AIR DRY 800		
Optional accessories MIDA.Air DRY 800	Version Sheet steel		Code
Air filter MIDA.Air DRY 800	✓		M800-F
Wall mounting set for DRY 800 K*	✓		M800-W
Wireless hygrostat (humidity and temperature)**	✓		M300
Heating coil 7.0 kW, including solenoid valve for DRY 800***	✓		M800-V

Fig. shows rear wall installation

If ordered separately without a dehumidifier, we charge a 50% surcharge

* max. wall thickness 400 mm
** max. range 30 m in buildings or up to 100 m without restrictions
***when ordering, please specify the position (left, right, top, rear)