HEATING EQUIPMENT

HET Series Heat Exchanger NEW

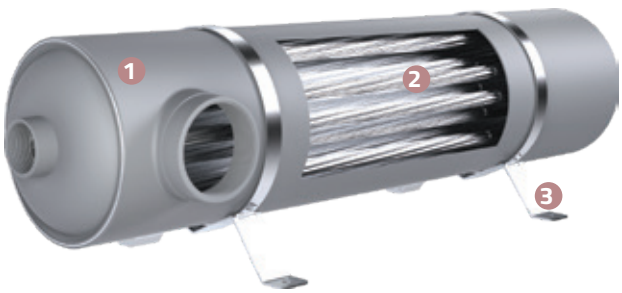
Connects to different kinds of boilers, heat pumps and solar panel systems

PREMIUM THERMAL CONDUCTIVITY

The Emaux HET series heat exchanger is constructed from titanium, making it ideal for demanding installations with a high risk of corrosion, particularly in saltwater pools or when using a salt chlorinator. Renowned for its impressive output and exceptional heat transfer capabilities, this series is suitable for a variety of applications. Each model is designed for easy installation and compatibility with various systems, including boilers, heat pumps, and solar panel setups. The Emaux HET series is distinguished by its reliability and performance, ensuring effective thermal management in diverse environments.

Product Features:

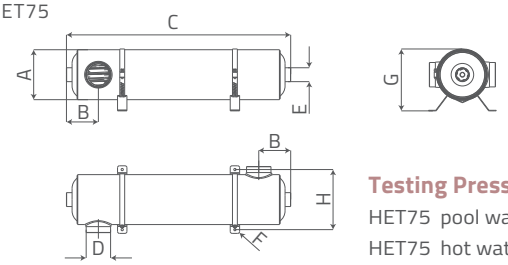
1. Titanium casing: HET75 (Ø133 x1.5mm)
   HET200 (Ø196 x1.5mm)
2. Titanium twisted tubes for heat transfer
3. SS AISI-316 stainless steel base
4. Suitable for pools up to 300m³
5. 75kW or 200kW availability
6. Vertical installation



Product Dimensions and Technical Information

Code	Model	Capacity kw	Capacity kBtu/h	Weight kg	Hot Water Flow (l/min)	Pool Water Flow (l/min)	A mm	B mm	C mm	D inch	E inch	F mm	G mm	H mm
9170201	HET75	75	260	3.8	35	300	Φ133	84	537	2"	1"	Φ6	165	160
9170202	HET200	200	680	13.2	95	600	Φ196	143	626	2.5"	2"	Φ6	213	230

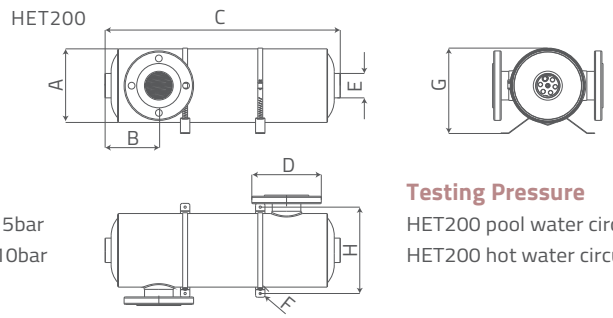
HET75



Testing Pressure

HET75 pool water circuit 5bar
HET75 hot water circuit 10bar

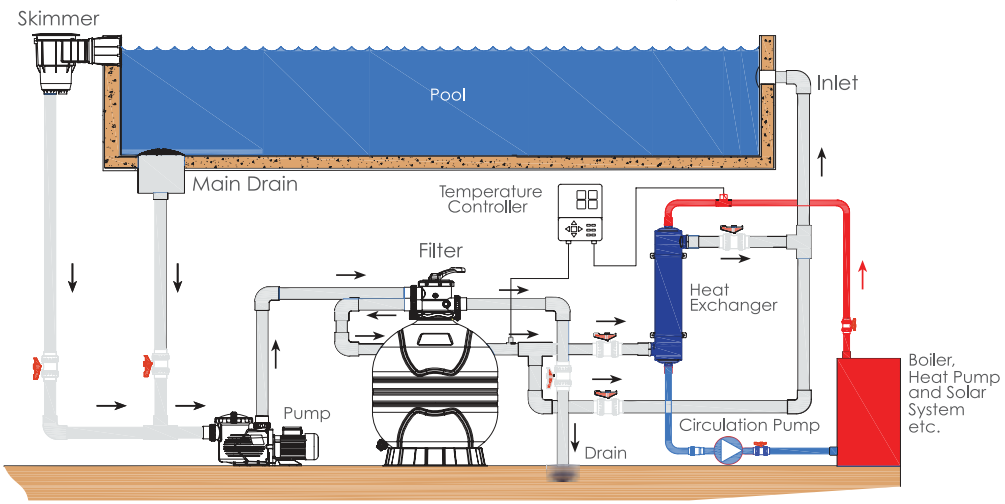
HET200



Testing Pressure

HET200 pool water circuit 4bar
HET200 hot water circuit 10bar

Installation



HST Series Heat Exchanger NEW

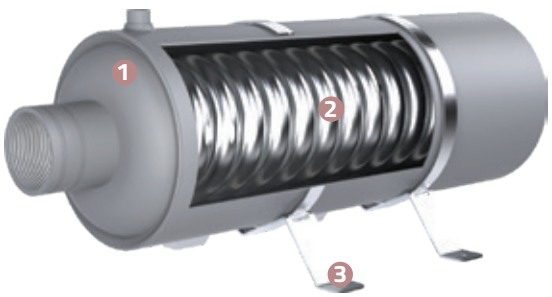
Connects to different kinds of boilers,heat pumps and solar panel systems

ENGINEERED FOR EXCELLENCE IN HEAT TRANSFER!

The Emaux HST series heat exchanger is made from titanium, making it perfect for challenging environments prone to corrosion, especially in saltwater pools or with salt chlorinators. Its innovative spiral heat tubes design enhances heat distribution, ensuring the system is both efficient and energy-saving. Known for its impressive output and superior heat transfer capabilities, this series is versatile for multiple applications. Each model is designed for straightforward installation and compatibility with various systems, including boilers, heat pumps, and solar panel setups. The Emaux HST series stands out for its reliability and performance, providing effective thermal management across diverse environments.

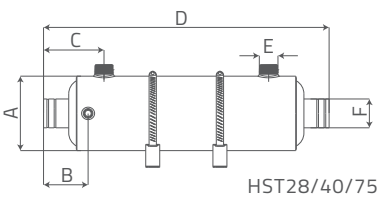
Product Features:

1. Titanium casing (Ø133x1.5mm)
2. Titanium spiral tubes for heat transfer
3. SS AISI-316 stainless steel base
4. Suitable for pools up to 300m³
5. 28kW to 75kW availability
6. Horizontal installation

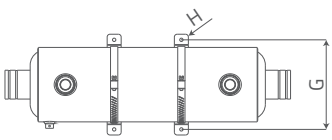


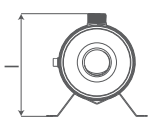
Product Dimensions and Technical Information

Code	Model	Capacity kw	Capacity kBtu/h	Weight kg	Hot Water Flow (l/min)	Pool Water Flow (l/min)	A mm	B mm	C mm	D mm	E inch	F inch	G mm	H mm	I mm
9170203	HST28	28	100	2.2	20	300	Φ133	79.6	95	470	1"	1.5"	160	Φ6	183
9170204	HST40	40	135	2.3	40	300	Φ133	79.6	108	510	1"	1.5"	160	Φ6	183
9170205	HST75	75	260	3.7	45	300	Φ133	79.6	108	754	1"	1.5"	160	Φ6	183



HST28/40/75



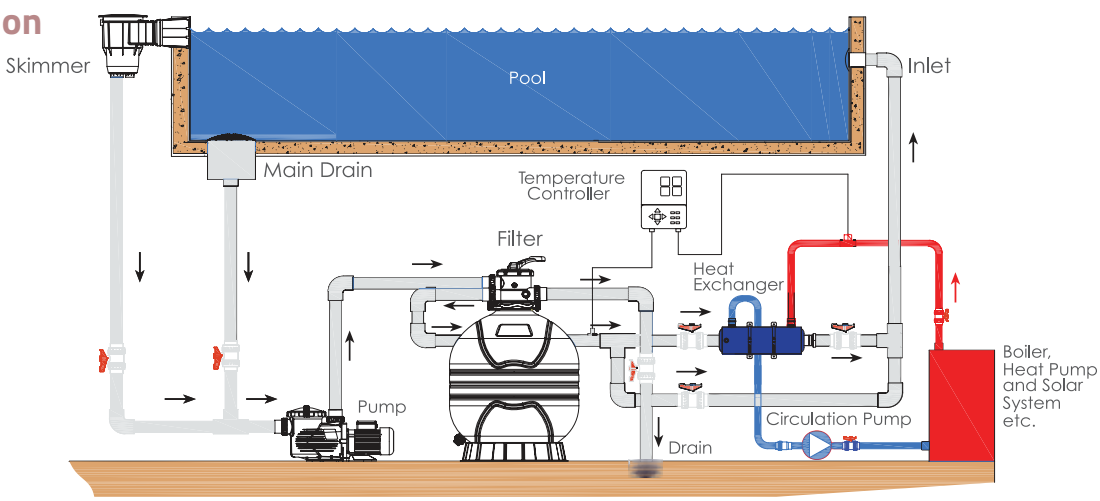


Testing Pressure

Pool Water Circuit: 5 Bar

Hot Water Circuit: 30 Bar

Installation



HE Series Heat Exchanger

Connects to different kinds of boilers, heat pumps and solar panel systems

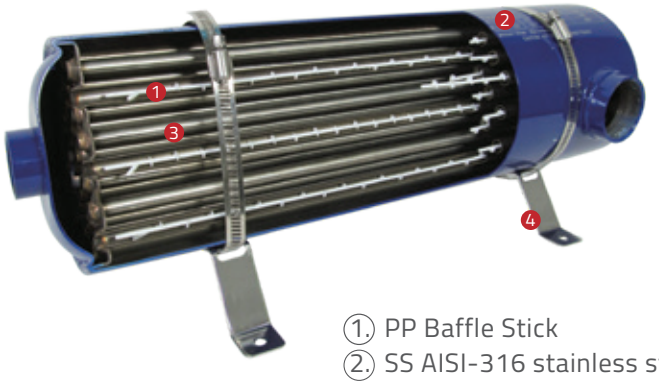
EXCELLENT HEAT TRANSFER CAPABILITY

A heat exchanger is used to continually transfer heat/cold from one media to another in order to carry process energy.

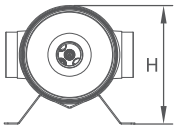
Emaux HE series Heat exchanger produces high output and has excellent heat transfer capability. All models can be installed and connected to different kinds of boilers, heat pumps and solar panel systems.

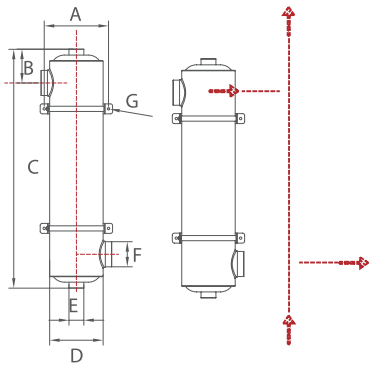
Product Features:

1. High quality acid-resistant AISI-316 stainless steel
2. Precision-welded outer jacket
3. Seamless pipes equipped with flow restrictors for high heat exchange capacity
4. Four size: 40, 60, 75, 120 kW, suitable for swimming pools of up to 450m³



1. PP Baffle Stick
2. SS AISI-316 stainless steel casing (Ø133x1.5mm)
3. SS AISI-316 stainless steel heat transfer tubes(Ø10x0.6mm)
4. SS AISI-316 stainless steel base





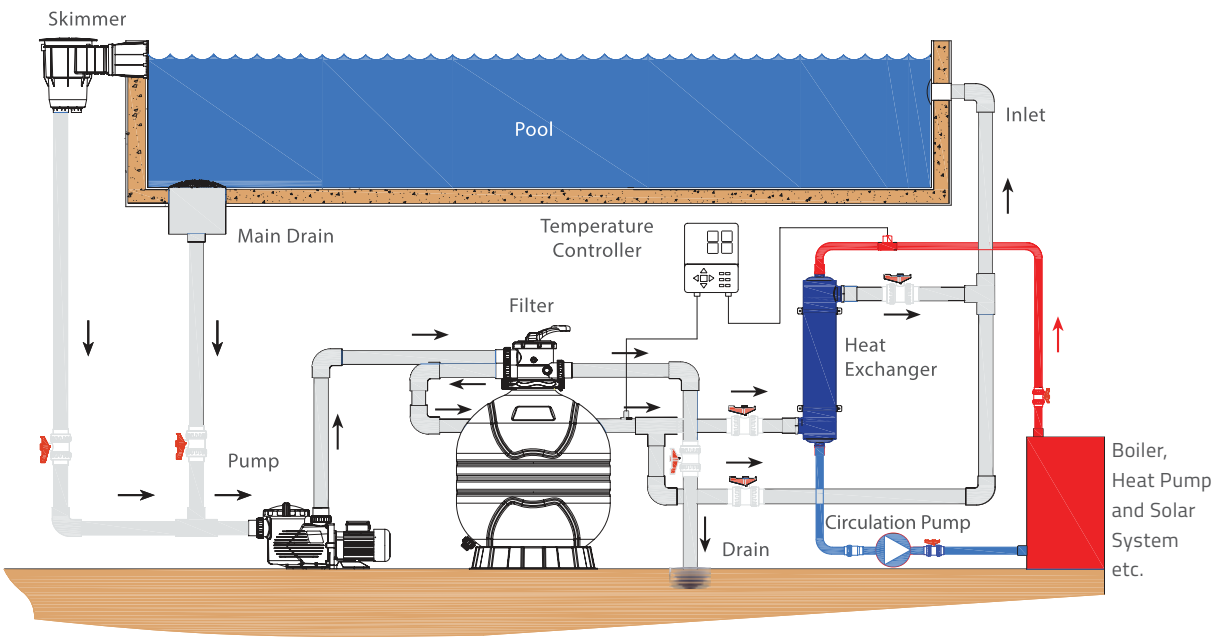
Testing Pressure:

1. Pool Water Circuit: 5 Bar
2. Hot Water Circuit: 10 Bar

Product Dimensions and Technical Information

Code	Model	Capacity kw	Capacity kBtu/h	Weight kg	Hot Water Flow (l/min)	Pool Water Flow (l/min)	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm
9170105	HE30	30	100	3.3	20	150	160	75	310	Ø133	1"	1.5"	Ø6	165mm
9170101	HE40	40	135	4.0	25	200	160	75	360	Ø133	1"	1.5"	Ø6	165mm
9170102	HE60	60	200	5.2	30	250	160	75	480	Ø133	1"	1.5"	Ø6	165mm
9170103	HE75	75	260	6.4	35	300	160	85	600	Ø133	1"	2"	Ø6	165mm
9170104	HE120	120	400	10.8	50	360	160	85	1070	Ø133	1.5"	2"	Ø6	165mm
9170106	HE200	200	680	16.2	100	500	160	85	1740	Ø133	1.5"	2"	Ø6	165mm

Installation



Inverter Heat Pump

Connects to different kinds of boilers, heat pumps and solar panel systems

HIGH COP TO SAVE ENERGY COST

Industry leading efficient stepless DC inverter control system. With smart conversion of compressor, fan motor and pressure system, it provides amazing energy saving performance with max COP of 16.1.

R32

25% gas quota of R410a

40 dB(A) at 1 m

Quiet as a fridge

Stepless DC Inverter

Average COP 10.7
93% free energy

INVERPAD TECHNOLOGY

Thanks to the InverPad technology, the inverter provides an average of 93% free energy from ambient air.

SILENCE TO RELAX YOUR MIND

A fully enclosed cabinet is specially designed for the compressor so that the running noise can be kept inside and the noise of the whole unit can maintain very low.

Double-side Airflow Outlet

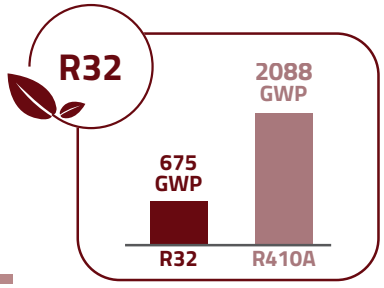
The unit uses double-side airflow cabinet which through years of application in the market is proven to be highly efficient in heat exchange and outstandingly silent during operation.

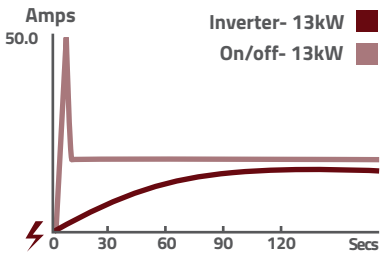
Optional Noise Absorbing Cover

On the cabinet, the lively interplay of sheet metal surfaces combined with irregular shaped pattern is reminiscent of a high-performance swimming pool heat pump products. More importantly, noise absorption cover effectively reduces 8dB(A).

Eco-friendly R32

32% GWP, 25% CO2 carbon consumption & 25% quota cost comparing to R410A.





Full Protection on Electrical system

With a DC inverter compressor, inverter will start from 0 amps and increase steadily. There is no rush to the house electricity system.

Wide Voltage Application

Self-adjustment to fit in unstable power supply, therefore voltage range can be 180V ~260V.

Product Information

Code	Model	Heating capacity in A27°C/ W27°C (kW)	COP Range	Heating capacity in A15°C/ W26°C (kW)	COP Range	Operating Temp.	Heating Input Power (kW)	Rated Heating Running Current (A)	Cooling Capacity (KW)	Cooling Input Power (kW)	Cooling Running Current (A)	Power Supply (V/Ph/Hz)	Water Flow Volume (m^3)	Noise (Min-Max) dB(A)	Water Connections (mm)
31000001	IHP13	3.5-13.5	6-16	2-9.5	4.5-8	-15°C	0.22-2.2	1-10	1.8-5	0.4-1.4	1-9	220-230V/1Ph/50Hz	4-7	42-50	50/48.3
31000002	IHP18	4.5-18	6-16	2.5-12	4.5-8	-15°C	0.35-3.2	1.8-15	4.5-8	1-2.3	1.5-14	220-230V/1Ph/50Hz	5-8	42-50	50/48.3
31000003	IHP21	5-21	6.1-16.1	3-14.5	4.6-8.1	-15°C	0.4-3.4	1.8-15.5	5-10	1.1-3.4	1.5-14.5	220-230V/1Ph/50Hz	5-8	42-52	50/48.3
31000004	IHP26	7-26	6-15.5	4-18	4.5-8.1	-15°C	0.5-4.3	2.3-21	5.5-11	1.3-3.9	2-19	220-230V/1Ph/50Hz	5-8	43-53	50/48.3
31000005	IHP36	9-36	6-16	6-24	4.5-8	-15°C	0.75-6	3.4-27.3	6.5-14	1.4-7.4	3-26.5	220-230V/1Ph/50Hz	6-10	46-54	50/48.3
31000006	IHP36S	9-36	6-16	6-24	4.5-8	-15°C	0.75-6	1.3-10.7	6.5-14	1.4-7.4	1-10	380-415V/3Ph/50Hz	6-10	46-54	50/48.3

Product Dimensions

Code	Model	Net weight (KG)	Gross weight (KG)	Net dimensions (without front cover) (mm)	Packing dimensions (without front cover) (mm)	Net dimensions (with front cover) (mm)	Packing dimensions (with front cover) (mm)
31000001	IHP13	50	58	970*370*650	1170*415*800	970*470*650	1170*515*800
31000002	IHP18	55	63	970*370*650	1170*415*800	970*470*650	1170*515*800
31000003	IHP21	75	85	1115*430*850	1200*520*990	1115*530*850	1200*620*990
31000004	IHP26	78	88	1115*430*850	1200*520*990	1115*530*850	1200*620*990
31000005	IHP36	120	135	1115*430*1350	1200*520*1500	1115*530*1350	1200*620*1500
31000006	IHP36S	120	135	1115*430*1350	1200*520*1500	1115*530*1350	1200*620*1500

Heat Pumps

Durable, low cost, easy and quiet operation

B2 SERIES HEAT PUMP

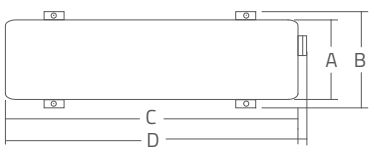
Product Features:

1. **Durable** The long-life heat exchanger is made by PVC & titanium tube, which can withstand prolonged exposure to pool water.
2. **Easy Operation** The unit is very easy to operate: switch it on and set the desired pool water temperature. Operates in a normal ambient temperature of 12-35°C.
3. **Quiet Operation** The unit comprises an efficient rotary compressor and a low-noise fan motor, which guarantee its quiet operation.
4. **Low Cost** The running costs are very low due to its high performance.

Measuring Conditions

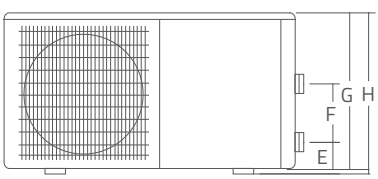
Heating : Dry bulb 24°C, Wet Bulb 19°C, Water entering temperature 27°C

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
HP4.5B2	260	293	754	770	100	260	460	485
HP5.6B2	280	360	936	950	110	250	520	550
HP7.8B2	280	360	936	950	110	250	520	550
HP9.5B2	300	370	1010	1085	110	270	580	615



Product Information

Model	Net Dimensions L x W x H (mm)	Packing Dimensions L x W x H (mm)	Net Weight (kg)	Gross Weight (kg)
HP4.5B2	754 x 293 x 485	760 x 295 x 490	36	39
HP5.6B2	936 x 360 x 550	1090 x 390 x 580	39	42
HP7.8B2	936 x 360 x 550	1090 x 390 x 580	54	57
HP9.5B2	1010 x 370 x 615	1170 x 415 x 645	63	67



Code	Model	Heating Capacity in A27°C/W27°C (W)	Heating Capacity in A15°C/W26°C (W)	Rated Heating Capacity (W/BTU)	Heating Input Power (W)	Heating Running Current (A)	Power Supply (V/PH/HZ)
88360703	HP4.5B2	5500	4000	4500/15300	1050	4.8	220V/1PH/50Hz
88360704	HP5.6B2	6200	4500	5600/18000	1250	5.7	220V/1PH/50Hz
88360705	HP7.8B2	8900	6100	7800/26500	1650	7.5	220V/1PH/50Hz
88360706	HP9.5B2	11500	8200	9500/32500	1978	10	220V/1PH/50Hz

Model	Controller	Number of Compressor	Compressor	Number of Fan	Input Power of Fan (W)	Fan Speed (RPM)	Noise Db (A)	Water Connection (mm)	Water Flow Volume (m^3/h)	Water Pressure Drop (kpa)
HP4.5B2	Mechanical	1	Rotary	1	25	900	54	50	4-6	10
HP5.6B2	Mechanical	1	Rotary	1	25	900	55	50	4-6	12
HP7.8B2	Mechanical	1	Rotary	1	25	900	55	50	4-7	12
HP9.5B2	Mechanical	1	Rotary	1	30	890	57	50	4-7	15

B SERIES HEAT PUMP

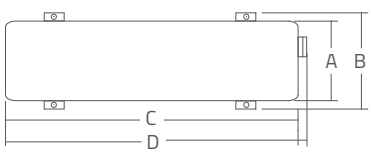
Product Features:

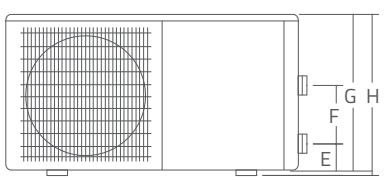
1. **High Efficiency** With a COP value up to 5.0, our heat pumps are very efficient when transferring heat from the air to the swimming pool water. Savings as much as 80 % of running costs are possible compared to an electrical heater.
2. **Long life-span** The heat exchanger is made by PVC & Titanium tube, which can withstand and prolong exposure to pool water.
3. **Easy Control and Operation** Easy control and operation by simply switching on and setting the desired water temperature. The built-in com puterised controller permits the setting of the operational. The status can be displayed in the LCD Display

Measuring Conditions

Heating : Dry bulb 24°C, Wet Bulb 19°C, Water entering temperature 27°C
Cooling : Dry bulb 35°C, Wet Bulb 24°C, Water entering terriperature 27°C

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
HP5.6B	280	360	936	950	110	250	520	550
HP7.8B	280	360	936	950	110	250	520	550
HP9.5B	300	370	1010	1085	110	270	580	615
HP14B	420	470	1100	1150	80	350	664	700





Product Information

Model	Net Dimensions L x W x H (mm)	Packing Dimensions L x W x H (mm)	Net Weight (kg)	Gross Weight (kg)
HP5.6B	936 x 360 x 550	1090 x 390 x 580	53	56
HP7.8B	936 x 360 x 550	1090 x 390 x 580	54	57
HP9.5B	1010 x 370 x 615	1170 x 415 x 645	63	67
HP14B	1170 x 470 x 690	1240 x 500 x750	95	105

Code	Model	Heating Capacity in A27°C/W27°C (W)	Heating Capacity in A15°C/W26°C (W)	Rated Heating Capacity (W/BTU)	Heating Input Power (W)	Heating Running Current (A)	Rated Cooling Capacity (W/BTU)	Cooling Input Power (W)	Cooling Running Current (A)	Power Supply (V/PH/HZ)
88360304	HP5.6B	6100	4500	5600/18000	1083	5.0	3200/11000	1030	4.7	220V/1PH/50Hz
88360305	HP7.8B	8900	6500	7800/26500	1625	7.5	4800/16500	1550	7.1	220V/1PH/50Hz
88360306	HP9.5B	11500	8000	9500/32500	1938	8.8	5900/20000	1910	8.7	220V/1PH/50Hz
88360508	HP14B	15500	11000	14000/48000	2880	13.3	8600/29500	2980	13.8	220V/1PH/50Hz

Model	Controller	Number of Compressor	Compressor	Number of Fan	Input Power of Fan (W)	Fan Speed (RPM)	Noise Db (A)	Water Connection (mm)	Water Flow Volume (m^3/h)	Water Pressure Drop (kpa)
HP5.6B	Electronic	1	Rotary	1	25	950	48	50	2-4	12
HP7.8B	Electronic	1	Rotary	1	25	950	48	50	3-5	12
HP9.5B	Electronic	1	Rotary	1	30	950	48	50	4-7	15
HP14B	Electronic	1	Scroll	1	60	950	50	50	5-8	15

A SERIES HEAT PUMP

Product Features:

1. **High Efficiency** With a COP value up to 5.0, our heat pumps are very efficient when transferring heat from the air to the pool water. Savings as much as 80 % of running costs are possible compared to an electrical heater.
2. **Long life-span** The heat exchanger is made by PVC & titanium tube, which can withstand and prolong exposure to pool water.
3. **Easy Control and Operation** Easy control and operation by simply switching on and setting the desired water temperature. The built-in computerised controller permits the setting of the operational. The status can be displayed in the LCD Display.

HP14A-26A

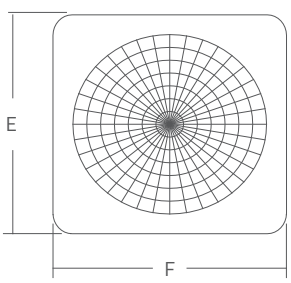
Product Information

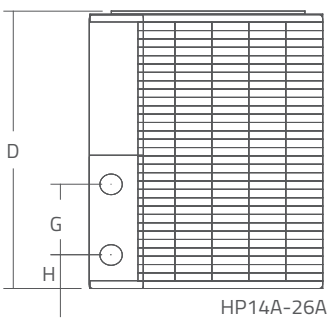
Model	Net Dimensions L x W x H (mm)	Packing Dimensions L x W x H (mm)	Net Weight (kg)	Gross Weight (kg)
HP14A	660 x 660 x 860	770 x 740 x 1010	105	113
HP17A	660 x 660 x 960	770 x 740 x 1110	108	120
HP21A	660 x 660 x 960	770 x 740 x 1110	111	123
HP26A	660 x 660 x 960	770 x 740 x 1110	112	125

Measuring Conditions

Heating : Dry bulb 24°C, Wet Bulb 19°C, Water entering temperature 27°C
Cooling : Dry bulb 35°C, Wet Bulb 24°C, Water entering terriperature 27°C

Model	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
HP14A	860	660	660	320	95
HP17A	860	660	660	450	95
HP21A	960	660	660	450	95
HP26A	960	660	660	500	95





HP14A-26A

HP35A-50A

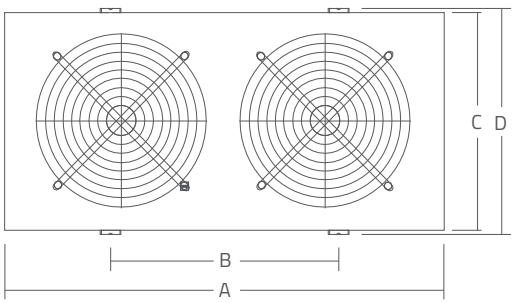
Product Information

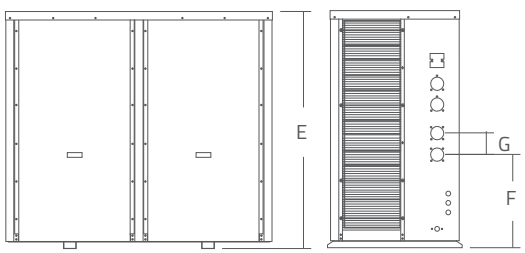
Model	Net Dimensions L x W x H (mm)	Packing Dimensions L x W x H (mm)	Net Weight (kg)	Gross Weight (kg)
HP35A	1448 x 730 x 1080	1630 x 830 x 1350	242	270
HP50A	1448 x 730 x 1280	1630 x 830 x 1450	243	272

Measuring Conditions

Heating : Dry bulb 24°C, Wet Bulb 19°C, Water entering temperature 27°C
Cooling : Dry bulb 35°C, Wet Bulb 24°C, Water entering terriperature 27°C

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
HP35A	1448	690	700	770	1080	435	135
HP50A	1448	690	700	770	1280	506	120





HP35A-50A

HP90A

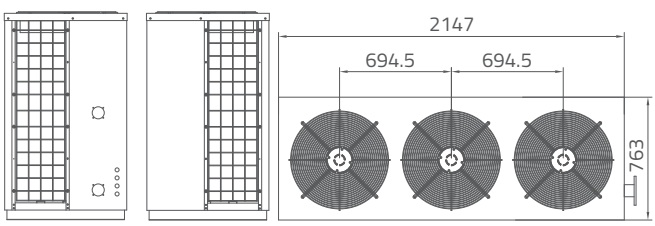
Product Information

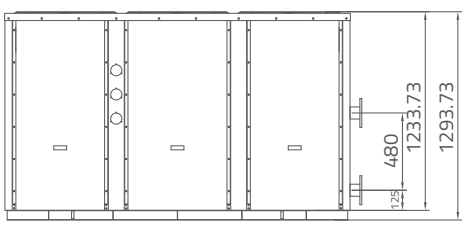
Model	Net Dimensions L x W x H (mm)	Packing Dimensions L x W x H (mm)	Net Weight (kg)	Gross Weight (kg)
HP90A	2150 x 770 x 1280	2275 x 900 x 1500	250	280

Measuring Conditions

Heating : Dry bulb 24°C, Wet Bulb 19°C, Water entering temperature 27°C
Cooling : Dry bulb 35°C, Wet Bulb 24°C, Water entering terriperature 27°C

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
HP90A	2150	690	700	770	1280	125	480





HP90A

HP105A-135A

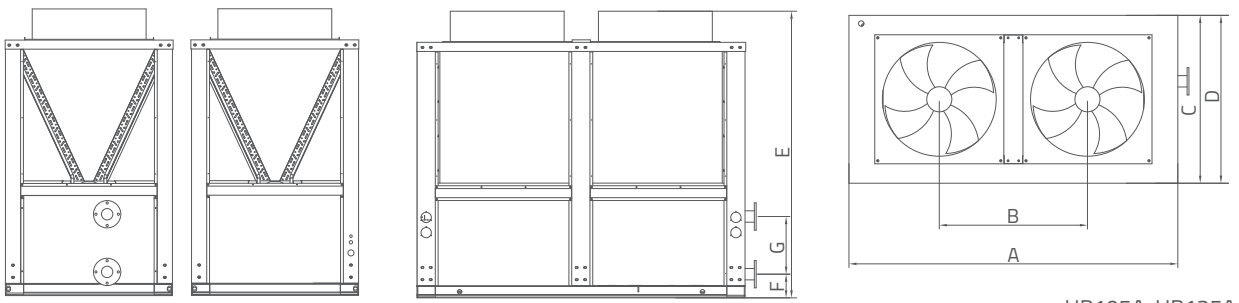
Product Information

Model	Net Dimensions L x W x H (mm)	Packing Dimensions L x W x H (mm)	Net Weight (kg)	Gross Weight (kg)
HP105A	2160 x 1100 x 2030	2200 x 1220 x 2150	600	630
HP135A	2160 x 1100 x 2030	2200 x 1220 x 2150	630	660

Measuring Conditions

Heating : Dry bulb 24°C, Wet Bulb 19°C, Water entering temperature 27°C
Cooling : Dry bulb 35°C, Wet Bulb 24°C, Water entering terriperature 27°C

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
HP105A	2160	950	1100	1100	2030	180	380
HP135A	2160	950	1100	1100	2030	180	420



HP105A-HP135A

Technical Information

Code	Model	Heating Capacity in A27°C/W27°C (W)	Heating Capacity in A15°C/W26°C (W)	Rated Heating Capacity (W/BTU)	Heating Input Power (W)	Heating Running Current (A)	Rated Cooling Capacity (W/BTU)	Cooling Input Power (W)	Cooling Running Current (A)	Power Supply (V/PH/HZ)
88360108	HP14A	15800	11000	14000/48000	2880	13.3	8600/48000	2980	13.8	220V/1PH/50Hz
88360109	HP17A	19000	12250	17000/60000	3500	16.1	10300/35200	3600	16.9	220V/1PH/50Hz
88360110	HP21A	23000	14800	21000/73000	4250	7.9	13500/46000	4650	8.3	220V/1PH/50Hz
88360210	HP21A	23000	14800	21000/73000	4250	7.9	13500/46000	4650	8.3	380V/3PH/50Hz
88360211	HP26A	27500	18000	26000/90000	5300	9.5	16000/55000	5730	10.5	380V/3PH/50Hz
88360212	HP35A	39000	25000	35000/120000	7100	12.3	29000/100000	9600	17.3	380V/3PH/50Hz
88360214	HP50A	55000	36000	50000/170000	10300	18.4	36000/123000	12100	21.6	380V/3PH/50Hz
3166360001	HP90A	93000	61000	90000/306000	17500	31.2	58000/200000	18800	33.5	380V/3PH/50Hz
3166370001	HP105A	120000	70000	105000/357000	22800	40.3	78000/266000	25100	44.8	380V/3PH/50Hz
3166380001	HP135A	140000	92000	135000/459000	26800	47.8	96000/327000	28500	50.9	380V/3PH/50Hz

Model	Controller	Number of Compressor	Compressor	Number of Fan	Input Power of Fan (W)	Fan Speed (RPM)	Noise Db (A)	Water Connection (mm)	Water Flow Volume (m^3/h)	Water Pressure Drop (kpa)
HP14A	Electronic	1	Scroll	1	200	850	60	50	5-8	15
HP17A	Electronic	1	Scroll	1	200	830	60	50	5-8	16
HP21A	Electronic	1	Scroll	1	200	830	60	50	6-10	16
HP26A	Electronic	1	Scroll	1	200	830	60	50	6-12	16
HP35A	Electronic	2	Scroll	2	200 x 2	830	61	63	8-15	18
HP50A	Electronic	2	Scroll	2	200 x 2	830	61	63	8-15	18
HP90A	Electronic	3	Scroll	3	200 x 3	830	61	63	35-55	28
HP105A	Electronic	4	Scroll	2	750 x 2	830	61	75	45-55	31
HP135A	Electronic	4	Scroll	2	750 x 2	830	61	75	55-65	32

Emaux

EMAUX WATER TECHNOLOGY CO., LTD

ADDRESS: 2/F, LOCKHART CENTRE, NO. 301-307 LOCKHART ROAD,
WANCHAI, HONG KONG
PHONE +852 2832 9880
https://www.emauxgroup.com

YOUR PREMIER SUPPLIER

Websites and Social Media