



# “EMAUX” DC Inverter Swimming Pool Heat Pump

**HIGH COP TO SAVE ENERGY COST**

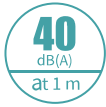
Provides you a simple saving and silent warm pool

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

- 1. Double-side Airflow Outlet** The unit uses a 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.
- 2. Optional Noise Absorbing Cover** On the cabinet, the lively interplay of sheet metal surfaces combined with irregularly shaped patterns is reminiscent of high-performance swimming pool heat pump products. More importantly, the noise absorption cover effectively reduces 8dB(A).



25% gas quota of R410a



Quiet as a fridge



Average COP 10.7  
93% free energy



Mitsubishi Twin-Rotary Inverter Compressor



Stepless Comfort Speed Conversion



DC Brushless Fan Motor

**FEATURES**

- Low Noise Running
- Double-side Airflow Outlet
- Optional Noise Absorbing Cover
- Eco-friendly R32
- Wide Voltage Application
- More than 93% free energy



Original Italian Carel Controller

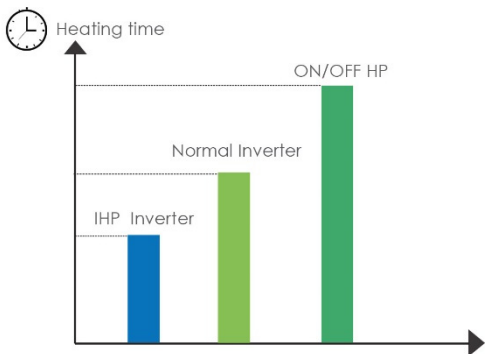
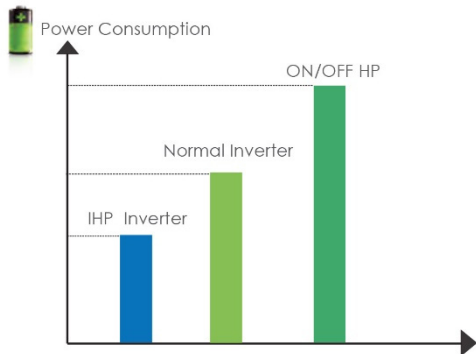


Optional Noise Absorbing Cover



Garden Friendly Flat Surface Design

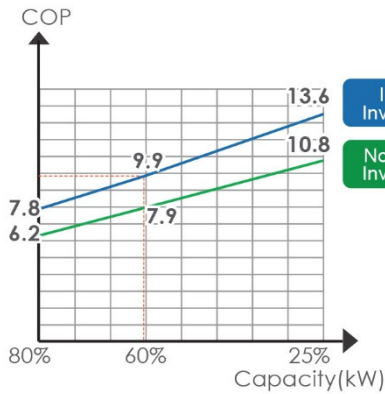
**Save Energy and Speed up Heating Time**



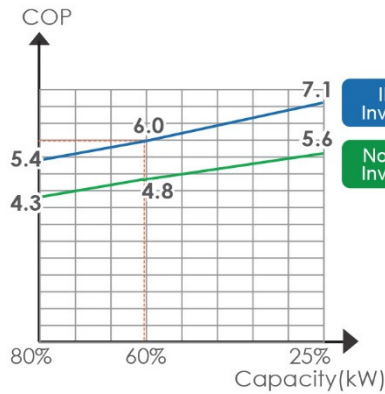
With short heating time, users don't need to wait for a long time before enjoying swimming. In the mean while, it saves more energy than ON/OFF heat pump and normal inverter heat pump.



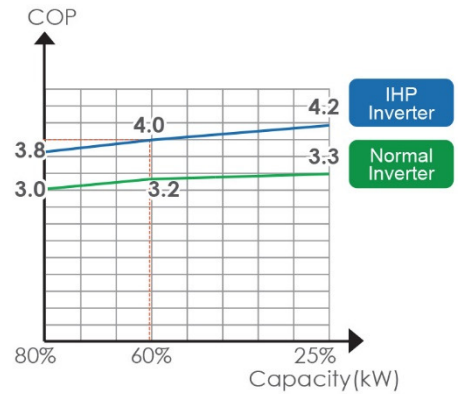
## Maintain High COP in Different Ambient Conditions



Performance condition:  
Air 27°C/Water 26°C/Humidity 80%



Performance condition:  
Air 15°C/Water 26°C/Humidity 70%



Performance condition:  
Air 2°C/Water 26°C/Humidity 80%

## Product Information

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)	Noise (Min-Max) dB(A)	Water Connections (mm)
IHP13	3.5-13.5	6-16	2-9.5	4.5-8	-15°C	0.22-2.2	1-10	42-50	50/48.3
IHP18	4.5-18	6-16	2.5-12	4.5-8	-15°C	0.35-3.2	1.8-15	42-50	50/48.3
IHP21	5-21	6.1-16.1	3-14.5	4.6-8.1	-15°C	0.4-3.4	1.8-15.5	42-52	50/48.3
IHP26	7-26	6-15.5	4-18	4.5-8.1	-15°C	0.5-4.3	2.3-21	43-53	50/48.3
IHP36	9-36	6-16	6-24	4.5-8	-15°C	0.75-6	3.4-27.3	46-54	50/48.3
IHP36S	9-36	6-16	6-24	4.5-8	-15°C	0.75-6	1.3-10.7	46-54	50/48.3

## Product Dimensions

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)
IHP13	50	58	970*370*650	1170*415*800	970*470*650	1170*515*800
IHP18	55	63	970*370*650	1170*415*800	970*470*650	1170*515*800
IHP21	75	85	1115*430*850	1200*520*990	1115*530*850	1200*620*990
IHP26	78	88	1115*430*850	1200*520*990	1115*530*850	1200*620*990
IHP36	120	135	1115*430*1350	1200*520*1500	1115*530*1350	1200*620*1500
IHP36S	120	135	1115*430*1350	1200*520*1500	1115*530*1350	1200*620*1500

Code	Model	Heating Capacity (KW)	Voltage	Phase	Frequency (Hz)
21700510095	IHP13*	3.5-13.5	220~230	1	50
21700510100	IHP18*	4.5-18	220~230	1	50
21700510105	IHP21*	5-21	220~230	1	50
21700510110	IHP26*	7-26	220~230	1	50
21700510115	IHP36*	9-36	220~230	1	50
21700510120	IHP36S*	9-36	380~415	3	50

\* สินค้าไม่มีสต็อก กรุณาสั่งล่วงหน้า 60-90 วัน / No Stock, Delivery Time 60-90 Days



# “EMAUX” B2 Series Heat Pump

## Product Features

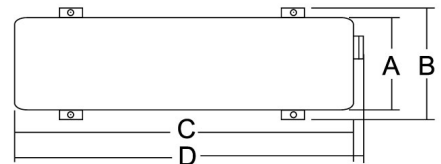
- Durable** The heating exchanger is made by PVC & Titanium tube, which can withstand prolonged exposure to swimming pool water.
- Easy Operation** The heating exchanger is made by PVC & Titanium tube, which can withstand prolonged exposure to swimming pool water.
- Quiet Operation** The unit comprises an efficient rotary compressor and a low-noise fan motor, which guarantees its quiet operation.
- Low Cost** The operational cost is very low due to its high performance



## Measuring Conditions

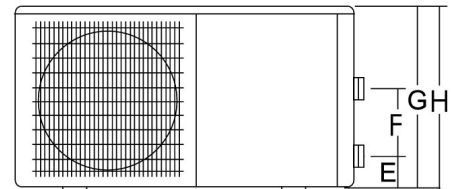
Heating : Dry bulb 24°C, Wet Bulb 19°C, Water entering temperature 27°C

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



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)
HP4.5B2	5500	4000	4500/15300	1050	4.8	220V/1PH/50Hz
HP5.6B2	6200	4500	5600/18000	1250	5.7	220V/1PH/50Hz
HP7.8B2	8900	6100	7800/26500	1650	7.5	220V/1PH/50Hz
HP9.5B2	11500	8200	9500/32500	1978	10	220V/1PH/50Hz

Code	Model	BTU	Voltage	Phase	Frequency (Hz)
21700510005	HP4.5B2*	15300	220	1	50
21700510010	HP5.6B2*	18000	220	1	50
21700510015	HP7.8B2*	26500	220	1	50
21700510020	HP9.5B2*	32500	220	1	50

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## “EMAUX” B Series Heat Pump

### Product Features

- 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. You can save as much as 80 % of cost compared to an electrical heater.
- Long Life-Span** The heat exchanger is made by PVC & Titanium tube, which can withstand and prolong exposure to swimming pool water.
- Easy Control and Operation** Simply switch it on and set the desired pool water temperature. The system includes a micro-computer controller, allowing all operation parameters to be set. Operation status can be displayed on the controller with LCD display.

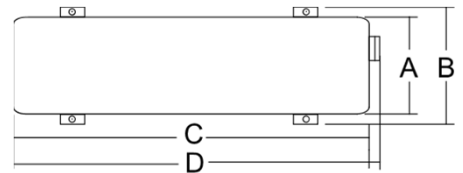


### Measuring Conditions

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

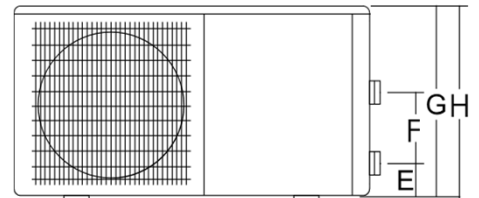
Cooling : Dry bulb 35°C, Wet Bulb 24°C, Water entering temperature 27°C

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 x 750	95	105



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)
HP5.6B	6100	4500	5600/18000	1083	5.0	3200/11000	1030	4.7	220V/1PH/50Hz
HP7.8B	8900	6500	7800/26500	1625	7.5	4800/16500	1550	7.1	220V/1PH/50Hz
HP9.5B	11500	8000	9500/32500	1938	8.8	5900/20000	1910	8.7	220V/1PH/50Hz
HP14B	15500	11000	14000/48000	2880	13.3	8600/29500	2980	13.8	220V/1PH/50Hz

Code	Model	BTU	Voltage	Power (W)	Frequency (Hz)
21700510025	HP5.6B*	18000	220	5600	50
21700510030	HP7.8B*	26500	220	7800	50
21700510035	HP9.5B*	32500	220	9500	50
21700510090	HP14B*	48000	220	14000	50

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## “EMAUX” A Series Heat Pump

### Product Features

- 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. You can save as much as 80 % of cost compared to an electrical heater.
- Long Life-Span** The heat exchanger is made by PVC & Titanium tube, which can withstand and prolong exposure to swimming pool water.
- Easy Control and Operation** Simply switch it on and set the desired pool water temperature. The system includes a micro-computer controller, allowing all operation parameters to be set. Operation status can be displayed on the controller with LCD display.

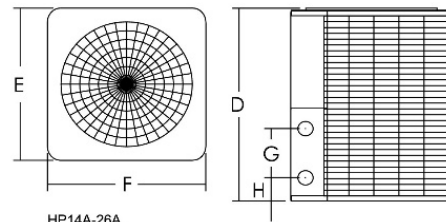


HP14A-26A

### Measuring Conditions

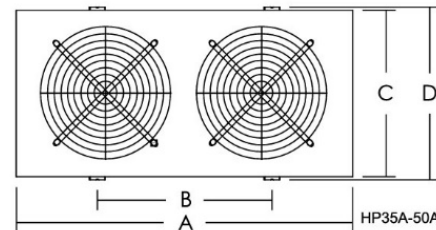
Heating : Dry bulb 24°C, Wet Bulb 19°C, Water entering temperature 27°C  
 Cooling : Dry bulb 35°C, Wet Bulb 24°C, Water entering temperature 27°C

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

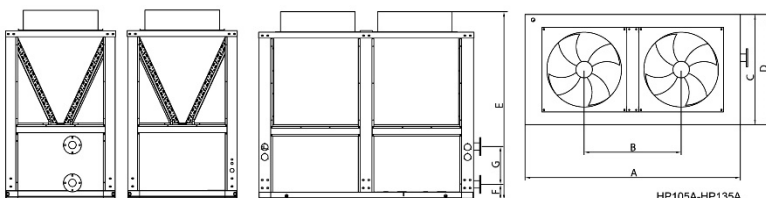


HP14A-26A

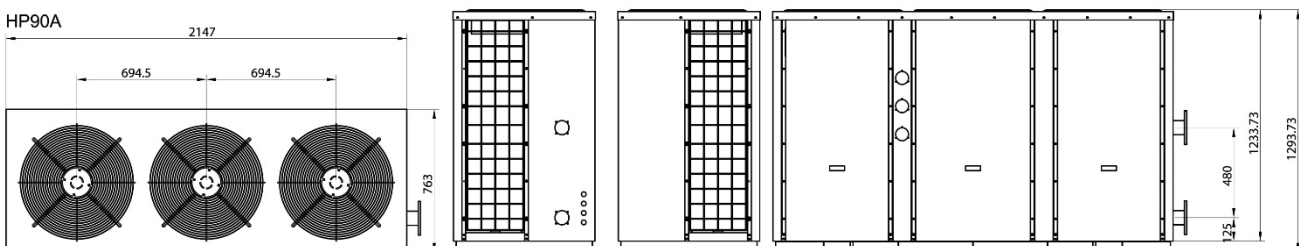
Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
HP35A	1448	690	700	770	1080	435	135
HP50A	1448	690	700	770	1280	506	120
HP90A	2150	690	700	770	1280	125	480
HP105A	2160	950	1100	1100	2030	180	380
HP135A	2160	950	1100	1100	2030	180	420



HP35A-50A



HP105A-HP135A





## “EMAUX” A Series Heat Pump

### Product Information

Model	Net Dimension L x W x H (mm)	Packing Dimension 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
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
HP90A	2150 x 770 x 1280	2275 x 900 x 1500	250	280
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



HP35A-50A

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)
HP14A	15800	11000	14000/48000	2880	13.3	8600/48000	2980	13.8	220V/1PH/50Hz
HP17A	19000	12250	17000/60000	3500	16.1	10300/35200	3600	16.9	220V/1PH/50Hz
HP21A	23000	14800	21000/73000	4250	7.9	13500/46000	4650	8.3	380V/3PH/50Hz
HP26A	27500	18000	26000/90000	5300	9.5	16000/55000	5730	10.5	380V/3PH/50Hz
HP35A	39000	25000	35000/120000	7100	12.3	29000/100000	9600	17.3	380V/3PH/50Hz
HP50A	55000	36000	50000/170000	10300	18.4	36000/123000	12100	21.6	380V/3PH/50Hz
HP90A	93000	61000	90000/306000	17500	31.2	58000/200000	18800	33.5	380V/3PH/50Hz
HP105A	120000	70000	105000/357000	22800	40.3	78000/266000	25100	44.8	380V/3PH/50Hz
HP135A	140000	92000	135000/459000	26800	47.8	96000/327000	28500	50.9	380V/3PH/50Hz



HP90A

Model	Controller	Quantity of Compressor	Compressor	Quantity of Fan	Input Power of Fan (W)	Fan Speed (RPM)	Noise Db (A)	Water Connection (mm)	Water Flow Volume (m <sup>3</sup> /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



HP105A-135A

Code	Model	BTU	Voltage	Power (W)	Frequency (Hz)
21700510040	HP14A ✘	48000	220	14000	50
21700510045	HP17A ✘	60000	220	17000	50
21700510070	HP21A ✘	73000	220	21000	50
21700510050	HP21A ✘	73000	380	21000	50
21700510055	HP26A ✘	90000	380	26000	50
21700510060	HP35A ✘	120000	380	35000	50
21700510065	HP50A ✘	170000	380	50000	50
21700510075	HP90A ✘	306000	380	90000	50
21700510080	HP105A ✘	357000	380	105000	50
21700510085	HP135A ✘	459000	380	135000	50

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