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# PROTEAM iX INVERTER

## Heat Pump



[automatedenvironmentalsystems.co.uk](http://automatedenvironmentalsystems.co.uk)



## Norwegian origins

From humble origins in a Norwegian village in 1972, Proteam's manufacturing and distribution operations have expanded to several countries around the world.

There have been many changes during this time but the passion for innovation and the quest to achieve the best possible quality have remained the same.

Proteam heat pumps have always been specifically designed to give the best COP at lower temperatures when maximum energy is needed.

All Proteam heat pumps are available with R32 gas, which is a more environmentally friendly option compared to the traditional R410a gas.

Proteam is exclusively available in the UK through Automated Environmental Systems.



We work closely with the manufacturer of our Proteam iX heat pumps, through a process of continual development we can deliver more efficient performance, the latest technology and reliable build quality.

The result is a range of inverter heat pumps that deliver exceptional COP and heating efficiency, the Proteam iX Inverter range includes a new 14kW plug and play model and 30kW and 40kW high capacity models with twin fans for larger pools.

## Sizing your heat pump

Heat pumps are an investment, normally paying for themselves with the savings you make in running costs.

When sizing a heat pump we don't just ask how big your pool is, instead we ask a series of questions such as how and when you use your pool, what temperature you want to achieve, what filter equipment you have connected and how well insulated your pool is – the answers help us to advise you on the correct heat pump for your needs.

Many of our customers choose to buy larger heat pumps - the extra heating capacity can provide an extended swimming season, higher water temperature, faster heating and even the option to increase your pool size at a later date - flexibility that can easily outweigh the additional cost.



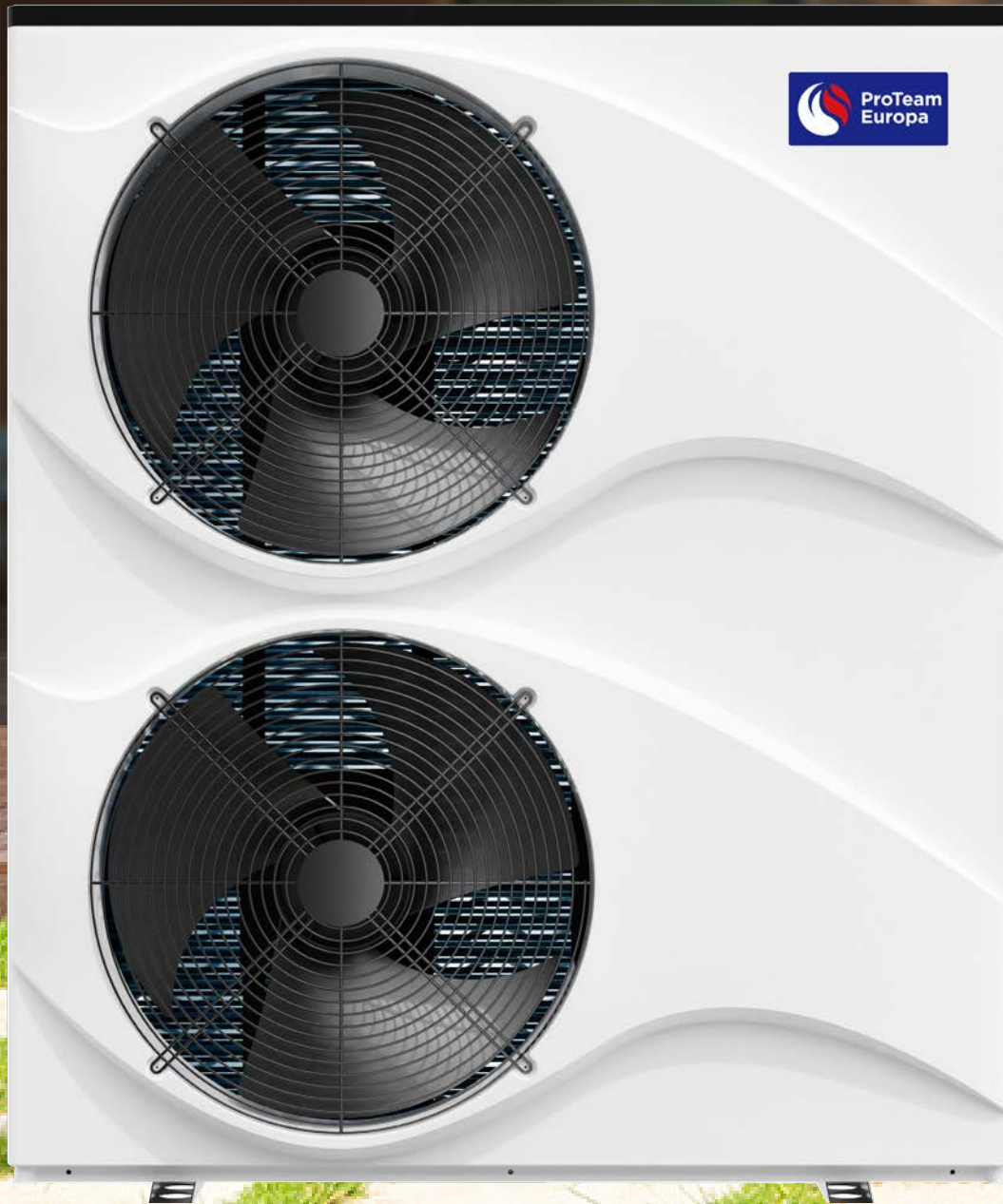


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**PROTEAM iX running modes are responsive and efficient, select Boost for fastest heating, Silent for quieter running or Smart for cost effective day to day operation**

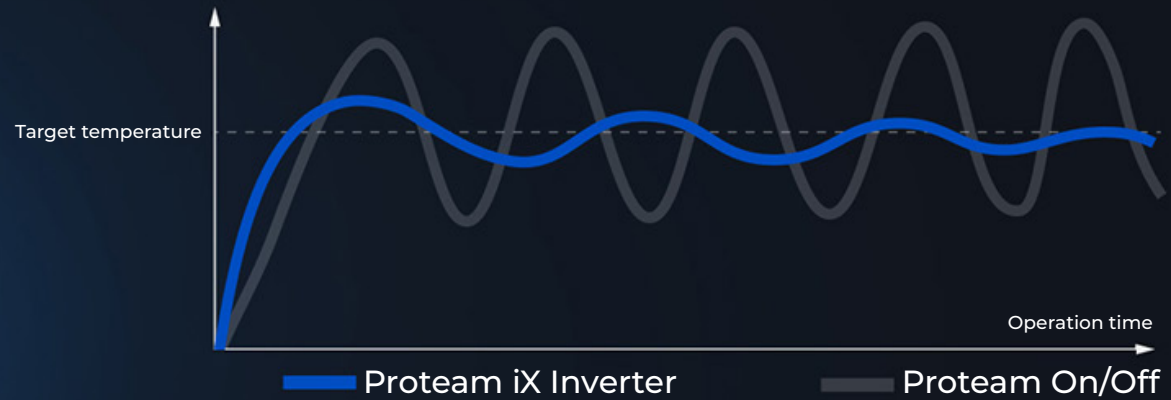


- ▶ Wi-Fi connectivity with Smart Life iOS / Android App
- ▶ Three running modes; Boost, Silent and Smart
- ▶ Timer function with additional Silent mode timer
- ▶ Waterproof flush fitted LCD display
- ▶ 7kW, 11kW and 14kW models fitted with mains cable, RCD and plug
- ▶ Higher capacity twin fan 31kW and 40kW models
- ▶ 1 1/2 inch/50mm glue socket water connections
- ▶ Heats and cools
- ▶ Corrosion resistant ABS cabinet
- ▶ Extended season model works down to -15°C
- ▶ Automatic hot gas defrosting
- ▶ Advanced stepless DC inverter system
- ▶ Low noise design, maximum noise level 45 dB(A)
- ▶ DC brushless fan motor
- ▶ Titanium heat exchanger, chlorine and salt resistant
- ▶ R32 gas
- ▶ Two year warranty, Seven year (total) parts warranty on the compressor and heat exchanger



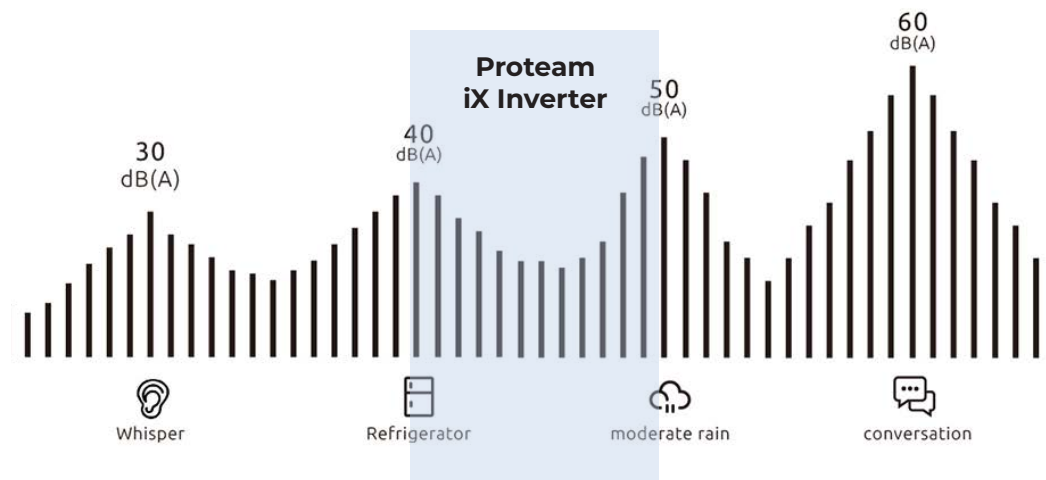
A heat pump is up to 80% more efficient than traditional methods of heating a swimming pool





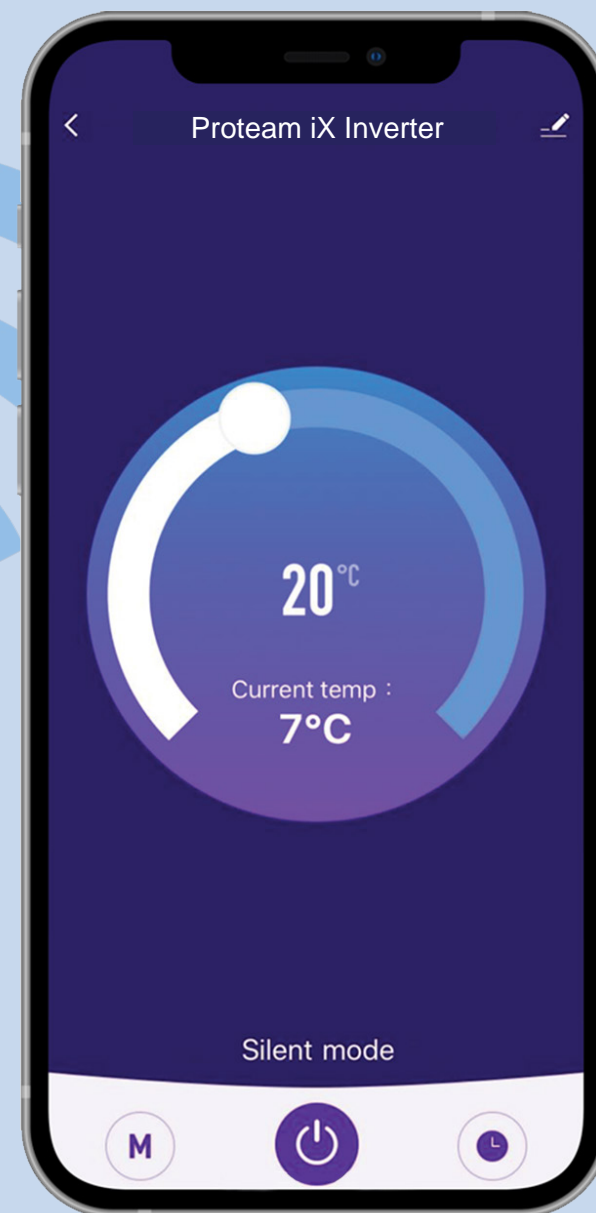
## Full inverter technology for maximum efficiency

Proteam iX Inverter heat pumps have a low noise design for very quiet operation, the maximum sound level is 45dB(A)



# Smart control, Smart life

- ▶ Easy to use LCD controller with weather cover
- ▶ Smart Life App, works from anywhere in the world
- ▶ Easily set temperature and view running status
- ▶ Set timers and switch modes from the App
- ▶ Wi-Fi module supplied pre-installed
- ▶ Smart Life App available for iOS and Android



Proteam iX Inverter must be connected to suitable Wi-Fi network

# 1



## HIGH COP

The Proteam iX Inverter heat pump range has an average COP of 16.20 at Air 27°C/ Water 27°C - meaning that for each kW of energy input, 16.20kW of heat could be output to your pool

## PROTEAM iX INVERTER SPECIFICATIONS

|                                       |               | iX7            | iX11       | iX15        | iX19         | iX22        | iX26        | iX31          | iX40        | iX31T       | iX40T       |
|---------------------------------------|---------------|----------------|------------|-------------|--------------|-------------|-------------|---------------|-------------|-------------|-------------|
| Ambient 27°C Water 27°C in, Humid 80% | Capacity (kW) | 4.3~8.5        | 5.85~11.5  | 5.6~14.75   | 9.62~19.43   | 11.61~21.85 | 14.15~26.25 | 18.75~31.01   | 21.63~40.45 | 18.78~31.07 | 21.57~40.43 |
|                                       | Input (kW)    | 0.45~1.16      | 0.62~1.42  | 0.79~2.04   | 1.13~2.67    | 1.35~3.04   | 1.79~5.26   | 2.15~4.55     | 2.85~7.06   | 2.13~4.58   | 2.83~7.02   |
|                                       | COP           | 7.35~16.60     | 8.10~17.55 | 7.23~17.53  | 7.28~17.05   | 7.20~17.02  | 7.01~16.22  | 7.79~15.01    | 7.01~15.01  | 7.96~15.02  | 7.02~15.03  |
| Ambient 15°C Water 26°C in, Humid 70% | Capacity (kW) | 2.35~5.65      | 5.25~7.9   | 4.32~10.75  | 6.13~14.15   | 7.15~16.15  | 10.25~19.67 | 14.62~22.55   | 18.5~29.56  | 14.79~23.1  | 18.56~29.66 |
|                                       | Input (kW)    | 0.43~1.11      | 0.56~1.42  | 0.72~2.06   | 0.95~2.54    | 1.08~3.04   | 1.52~3.92   | 1.87~4.25     | 2.35~6.25   | 1.93~4.28   | 2.36~6.28   |
|                                       | COP           | 5.07~8.16      | 5.58~8.55  | 5.22~8.55   | 5.57~8.25    | 5.31~8.20   | 5.02~8.01   | 5.91~8.03     | 5.21~8.01   | 6.20~8.05   | 5.28~8.01   |
| Input Power (Max)                     | kW            | 1.9            | 2.8        | 3.5         | 4.4          | 4.7         | 5.4         | 5.6           | 7.9         | 5.8         | 8.3         |
| Working Ambient Temperature           | °C            | -15 ~ 43       |            |             |              |             |             |               |             |             |             |
| Power Supply                          |               | 220V / 1Ph     |            |             |              |             |             |               |             | 415V / 3Ph  |             |
| Minimum Fuse (C Type MCB)             | A             | 13A Plug       | 13A Plug   | 13A Plug    | 25           | 32          | 32          | 32            | 40          | 16          | 16          |
| Max Current                           | A             | 8.5            | 12.5       | 15.5        | 19.5         | 21          | 24          | 25            | 35          | 9.5         | 13.5        |
| Compressor                            |               | GMCC*          |            |             |              |             |             |               |             |             |             |
| DC Fan                                |               | 1              | 1          | 1           | 1            | 1           | 1           | 2             | 2           | 2           | 2           |
| Airflow                               |               | Horizontal     |            |             |              |             |             |               |             |             |             |
| Water Flow Volume                     | m³/h          | 3~5            | 4~6        | 6~8         | 8~10         | 9~11        | 11~13       | 13~15         | 17~19       | 13~15       | 17~19       |
| Water Connector Size                  | inch / mm     | 1.5/50         | 1.5/50     | 1.5/50      | 1.5/50       | 1.5/50      | 1.5/50      | 1.5/50        | 1.5/50      | 1.5/50      | 1.5/50      |
| Refrigerant Type                      |               | R32            |            |             |              |             |             |               |             |             |             |
| Material of Casing                    |               | ABS            |            |             |              |             |             |               |             |             |             |
| Sound Pressure (Max 10m)              | dB(A)         | <29            | <29        | <29         | <30          | <30         | <30         | <45           | <45         | <45         | <45         |
| Unit Net Dimensions(L*W*H)            | mm            | 760*377*544    |            | 870*418*653 | 1020*443*708 |             |             | 1170*469*1389 |             |             |             |
| Net Weight                            | Kg            | 36             | 39         | 48          | 62           | 63          | 65          | 119           | 131         | 119         | 131         |
| Waterproof Level                      |               | IPX4           |            |             |              |             |             |               |             |             |             |
| Wi-Fi Connectivity                    |               | Smart Life App |            |             |              |             |             |               |             |             |             |

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### Two year parts and labour warranty

Seven year (total) parts warranty on the compressor and heat exchanger

Proteam heat pumps are sold exclusively through Automated Environmental Systems in the UK

\*GMCC compressors manufactured by Midea/Toshiba