

ENERGY EFFICIENCY AND ABSOLUTE PEACE OF MIND



Z650iQ

1 SILENCE AND DISCRETION

Thanks to its **multilayer acoustic insulation**, enhanced around the compressor, the Z650iQ is one of the **quietest heat pumps** on the market. It's easy to forget its presence, so you can swim in complete tranquillity. Its streamlined design and finish combine quality, aesthetics and durability. Thanks to its **lateral blowing**, the footprint required for installation is reduced. It can therefore be **discreetly and easily fitted** into tight spaces or surrounded by vegetation.



2 PERFORMANCE AND ENERGY EFFICIENCY

Rated "A" according to the **EN 17645 standard**, the Z650iQ guarantees **high performance and reduced power consumption**. Equipped with Full Inverter technology and offering 4 operating modes: Boost, Smart, Ecosilence and Smart+, the Z650iQ self-adjusts intelligently and automatically to the heating needs of the pool, whether for fast, economical or silent heating, to **optimise energy consumption**.



3 SUITED TO ALL CONDITIONS

Thanks to its ability to operate in outdoor temperatures **as low as -15°C**, the Z650iQ maintains optimum performance, **even in the harshest weather conditions**. Furthermore, with **8 power levels**, the Z650iQ heat pump is suitable for **all sizes** of residential pools.



4 EASY-TO-USE

The Z650iQ heat pump can be **controlled remotely** via your smartphone using the Fluidra Pool[®] application, making it possible to access settings, control operating modes, monitor the temperature and to start/stop the heat pump. Last but not least, updates to the application mean that the experience is constantly being enhanced.



HEAT PUMP
Z650iQ

SILENCE AND DISCRETION

Why choose the Z650iQ heat pump?

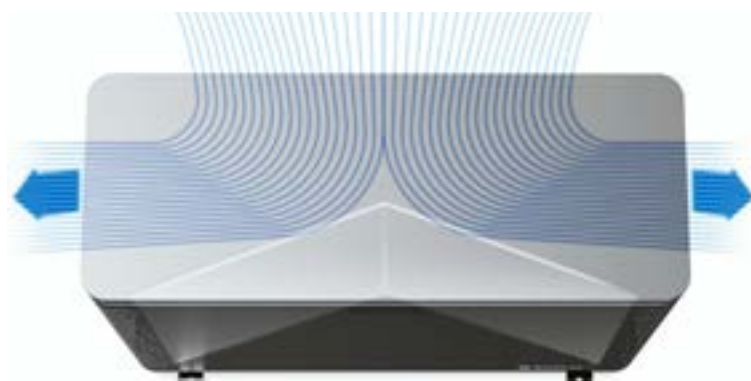
The Z650iQ heat pump delivers powerful performance with whisper-quiet operation. Designed to blend seamlessly into any space, it provides reliable comfort without sacrificing efficiency.

ACOUSTIC SOLUTIONS FOR A TOTAL DISCRETION



Reinforced insulation by honeycomb foam of the compressor, components and cover guarantees quietness even closed by.

Mounted on the provided anti-vibration feet, **vibrations are absorbed**, also protecting the heat pump



Lateral blowing

Perfectly suited for limited spaces and restricted gardens the 2 sides blowing **reduces the direct impact of the airflow on nearby plants and objects.**



FULL INVERTER TECHNOLOGY PERFORMANCE

4 OPERATING MODES



BOOST

- Maximum power for quick heating at the beginning of the season



SMART

- Automatic power adjustment between Ecosilence and Boost



SMART+

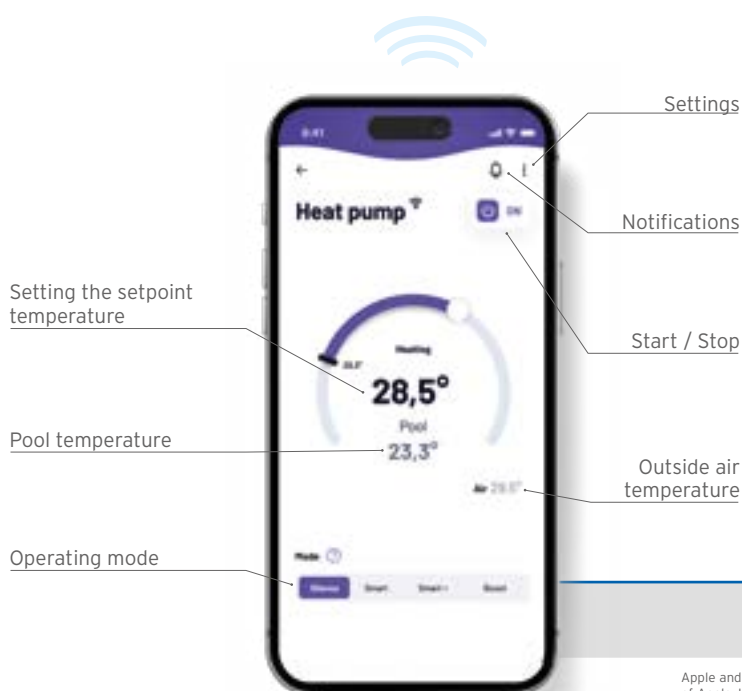
- Automatic heating and cooling power adjustment



ECO-SILENCE

- Greater energy savings and lower noise level

EMBEDDED CONNECTIVITY



The smartphone application **Fluidra Pool®** connects the **Z650iQ** heat pump to all your swimming preferences: **use, configure and view** available operating modes. You can also follow energy consumption.

With updates through the application, Z650iQ is continually improving.



Fluidra Pool® is a secure application that complies with privacy, data protection and security standards (GDPR).

SPECIFICATIONS

-15°C

Operate as low as -15°C
optimum performance, even in the harshest weather conditions.



Full Inverter Technology
4 operating modes
(Boost, Smart, Smart + & Eco-silence).

WHAT TYPE OF POOLS?

1 FOR IN-GROUND, SEMI-IN-GROUND AND ABOVE-GROUND POOLS



2 OUTDOOR POOLS AND INDOOR POOLS UP TO 200 M³



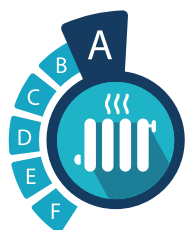
3 SUITABLE FOR ALL TYPES OF WATER TREATMENT



TECHNICAL INFORMATION

MODEL	Z650iQ MD4	Z650iQ MD5	Z650iQ MD6	Z650iQ MD8	Z650iQ TD8	Z650iQ MD10	Z650iQ TD10	Z650iQ TD12
EN 17456 Rating	A							
EN 17456 SCOP	7,9	7,4	7,4	7,3	7,3	7,4	7,2	7,2
Performance: Air 26°C / Water 26°C / Humidity 80%								
Output power (kW speed max-min)	10,7 - 2,6	12,5 - 4,1	15,3 - 4	21,7 - 5,3	21,7 - 5,9	25 - 4,6	25 - 7,8	31,5 - 7,8
Input power (kW speed max-min)	1,7 - 0,2	1,8 - 0,35	2,25 - 0,4	3,5 - 0,5	3,6 - 0,55	3,7 - 0,4	3,8 - 0,7	4,8 - 0,7
COP: coefficient of performance	6,4 - 12	6,9 - 11,5	6,8 - 11	6,2 - 10,8	6,1 - 10,7	6,5 - 11	6,8 - 10,8	6,5 - 10,8
Performance: Air 15°C / Water 26°C / Humidity 70%								
Output power (kW speed max-min)	7,6 - 1,9	9,6 - 3	12 - 3	17 - 4,65	17 - 4,5	19,5 - 4,6	19,5 - 7	24,5 - 7
Input power (kW speed max-min)	1,4 - 0,3	1,8 - 0,35	2,3 - 0,45	3,5 - 0,7	3,4 - 0,7	3,8 - 0,75	3,8 - 1,1	4,9 - 1,1
COP: coefficient of performance	5,4 - 6,7	5,2 - 6,3	5,1 - 6,5	5 - 6,5	5 - 6,6	5 - 6,2	5,2 - 6,5	5 - 6,5
Technical specifications								
Recommended* pool volume (m ³)	60	75	95	140	140	160	160	200
Electric power supply	220-240V / 1N / 50Hz				380-400 / 3 / 50-60 Hz			
Hydraulic connection	PVC 1/2 unions, ø 50 , glued							
Winter cover	Yes							
Acoustic pressure at 10m (dB(A)) (speed max-min)	33 - 23	33 - 23	34 - 25	34 - 24	35 - 25	35 - 27	35 - 28	35 - 28
Dimensions (mm)	1061 x 787,2 x 467 mm			1161 x 885,2 x 500 mm		1351 x 983 x 530 mm		

*Maximum values estimated for a private pool with isothermal cover and use from May 15 to September 15.



► A NEW STANDARD - EN17645

This standard promotes sustainability for pool equipment which includes Heat Pumps by establishing a performance rating from "A" to "F", based on a SCOP (Seasonal Performance Coefficient) calculation. This SCOP is calculated thanks to several COP measurements. The best rating, "A", is a SCOP \geq 7.

► WHAT IS THE COP ?

The COP (Coefficient Of Performance) is the ratio between the heating capacity and power consumed.

Easy to integrate and efficient, the **Z650iQ heat pump is the perfect solution for small spaces**. Thanks to its performance and capabilities, your pool heats up quickly while saving energy costs and optimising space.

5 YEARS
WARRANTY

5 YEARS WARRANTY FOR THE COMPRESSOR
10 YEARS WARRANTY FOR THE CORROSION RESISTANT CONDENSER