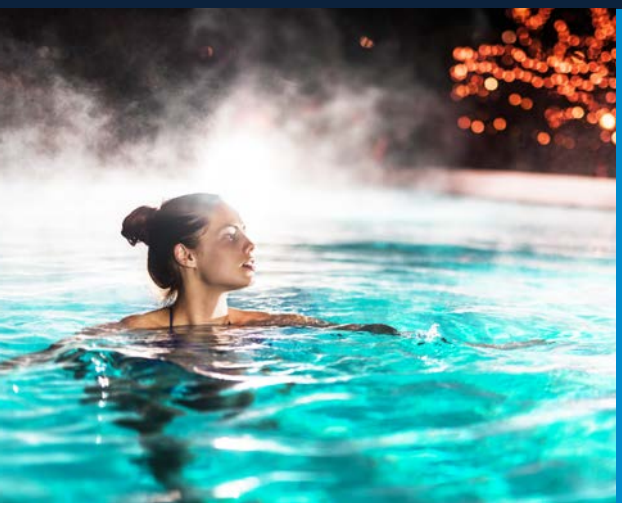


HEAT PUMP

CF COMFORT INVERTER R290

The heat pump with very high energy efficiency and low impact on the environment

CF

TRUST THE POOL EXPERTS

HEAT PUMP

CF COMFORT INVERTER R290

The optimum combination of the best of Full-Inverter technology and the qualities of the new, natural, eco-friendly R290 gas. Using an extremely environmentally-friendly gas, the CF Comfort Inverter R290 heat pump offers a highly efficient heating and cooling solution. Its Full-Inverter technology guarantees accomplished performance, while its sleek, modern design blends harmoniously with its surroundings.

+ product bonus

New R290 gas with very low emissions.

Operates from -25 °C.

Connected and controllable by app.

Available in 3 power ratings depending on the characteristics of the pool.

PRO HINT

To prevent heat loss and save energy, it is strongly recommended that pools heated by a heat pump are fitted with an automatic slatted cover or a cover.

USEFUL TO KNOW

It is essential to carry out a heat analysis to determine which model is best suited to your pool's configuration. Ask your pool specialist for advice.

LivePool Heater

Control your CF Comfort Inverter R290 heat pump remotely with to the free LivePool Heater application.

PERFORMANCE

- Corrosion-resistant titanium heat exchanger: guarantees exceptional system durability and optimum long-term performance.
- Inverter compressor and variable speed fan motor with step-by-step adjustment: offers precise regulation, adapting the heat pump's power in real time to maximise its energy efficiency.
- 3 control modes: Boost / Smart / Eco Silence.

ALL-SEASON

- Operates from -25 °C, ensuring constant comfort all year round, even in extreme winter conditions.
- Reversible heating / cooling.
- Automatic defrosting.

EASE OF USE

- Silent: pump body insulation and variable speed operation reduce noise pollution.
- Intuitive, practical control via the app or touch screen.
- The front-mounted fan, concealed by an elegant design, allows the heat pump to blend harmoniously into any environment.

Accessories included for easy installation and optimum system maintenance: anti-vibration feet, winter cover, 50 mm hydraulic connection kit, condensate drainage kit.

EN 17645 standard assesses the efficiency of the environmental performance of permanently installed outdoor domestic swimming pools and their equipment. The CF Comfort Inverter R290 heat pump is rated A.

Greener gas

R290 is a new refrigerant gas with an extremely low Global Warming Potential value (GWP = 3), making it one of the gases with the lowest impact on global warming. It does not destroy the ozone layer. R290 has excellent thermodynamic characteristics and a number of benefits:

STABLE

Stable even at very low temperatures (from -25 °C)

LESS GAS

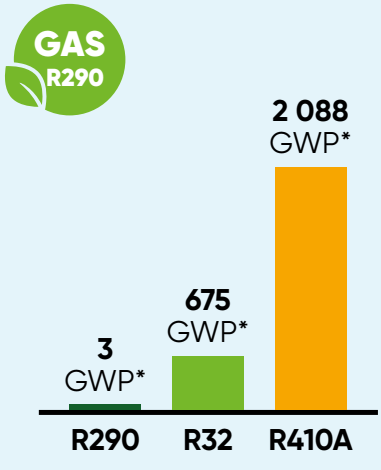
Reduced refrigerant charge (20% less than R32 and 30% less than R410A)

MORE EFFICIENT

Higher cooling capacity than R32 gas

ENERGY SAVING

Excellent thermodynamic performance, providing a real advantage in terms of the environment and lower energy bills



** GWP: Global Warming Potential, the warming power of a greenhouse gas.*

DESIGN EXCLUSIVE

3 YEARS WARRANTY

	CFHPINR10	CFHPINR13	CFHPINR20
POOL CHARACTERISTICS			
Recommended pool volume in zone A (m^3)	30-50	40-70	70-100
Recommended pool volume in Zone B (m^3)	25-40	30-60	55-85
Water operating range (°C)	From + 8 °C to + 32 °C		
Air operating range (°C)	From - 25 °C to + 43 °C		
Power supply	230 V / 1 PH+N / 50 Hz		
HEATING CAPACITY (KW) UNDER CONDITIONS: AIR 26 °C / WATER 26 °C / HUMIDITY 80%.			
Power output in Boost mode	10.4 kW	13.1 kW	20.3 kW
C.O.P in Boost mode	6.9	6.9	5.9
Power output in Smart mode	10.4 ~ 6.22 kW	13.1 ~ 8.78 kW	20.3 ~ 12.01 kW
C.O.P in Smart mode	10.4 ~ 6.9	11.2 ~ 6.9	9.9 ~ 5.9
Power output in Eco / Silence mode	6.2 kW	8.8 kW	12.0 kW
C.O.P in Eco / Silence mode	10.4	11.2	9.9
HEATING CAPACITY (KW) UNDER CONDITIONS: AIR 15 °C / WATER 26 °C / HUMIDITY 70% (NF-414)			
Power output in Boost mode	7.9 kW	10.2 kW	14.8 kW
C.O.P in Boost mode	5.3	5.2	5.2
Power output in Smart mode	7.9 ~ 4.8 kW	10.2 ~ 6.24 kW	14.8 ~ 9.76 kW
C.O.P in mode Smart	7.3 ~ 5.3	7.8 ~ 5.2	6.7 ~ 5.2
Power output in Eco / Silence mode	4.8 kW	6.2 kW	9.8 kW
C.O.P in Eco / Silence mode	7.3	7.8	6.7
HEATING CAPACITY (KW) UNDER CONDITIONS: AIR -15 °C / WATER 26 °C / HUMIDITY 0%.			
Power output in Boost mode	3.2 kW	3.9 kW	5.9 kW
C.O.P in Boost mode	2.7	2.2	2.3

	Zone A		Zone B	
	Classic season	Long season	Classic season	Long season
Lowest monthly average air temperature for the season	16 °C	9 °C	14 °C	7 °C
Lowest monthly average insolation for the season	8 h/d	5 h/d	6 h/d	4 h/d
Lowest monthly average humidity for the season	80%	85%	80%	85%

(1) Long season: use from mid-March to mid-November, sun cover outside swimming periods, water temperature 26 °C, filtration 15 hours a day (24 hours a day to bring up to temperature). Pool located in the Bouches-du-Rhône French department, 20 m altitude. Criteria are not exhaustive. A heat balance is essential to determine the most suitable model.

(1b) Classic season: use from mid-May to mid-September, sun cover outside swimming periods, water temperature 26 °C, filtration 15 hours a day (24 hours a day to bring up to temperature). Pool located in the Bouches-du-Rhône French department, 20 m altitude. Criteria are not exhaustive. A heat balance is essential to determine the most suitable model.

cf-poolproducts.com

a brand by CF group

FOR MORE INFORMATION PLEASE ASK YOUR POOL EXPERT

dinotec GmbH
Water & Pool Technology
Philipp-Reis-Str. 28
61130 Nidderau/Germany
Phone: +49 (6187) 41379-0
Fax: +49 (6187) 41379-90
E-mail: mail@dinotec.de
www.dinotec.de
www.niedrig-energie-pool.de
www.Poolpflege.info

a member of CF.GROUP
Dreams, health & care with water