



MEGALINE Fi

The heat pump for large volumes



PERFORMANCE THROUGH INNOVATION





Full Inverter Technology

Smart technology saving up to 35% on electrical consumption.

Progressivity / variability / adaptability

R32 Gas

6 times less polluting than R410A refrigerant, R32 gas is also more efficient.

Silence

On average, 10dB less than On/Off technology, acoustic pressure is divided by 10.

Stainless

Based on a 100% stainless steel structure and covered with powder-coated galvanized panels for great durability.

Connectivity

Integrated WiFi connection for a control at your fingertips on your smartphone.

Performances

Powered by multiple Mitsubishi compressors, the Megaline Fi delivers top-notch performance.

INNOVATION ABOVE ALL

Raising the bar always higher,
to offer you most effective and economical solutions, and forge strong bonds.

Through our progress, you move forward.



**HEAT PUMP WARRANTY
ON SITE***

**3
YEARS**

**COMPRESSOR
WARRANTY**

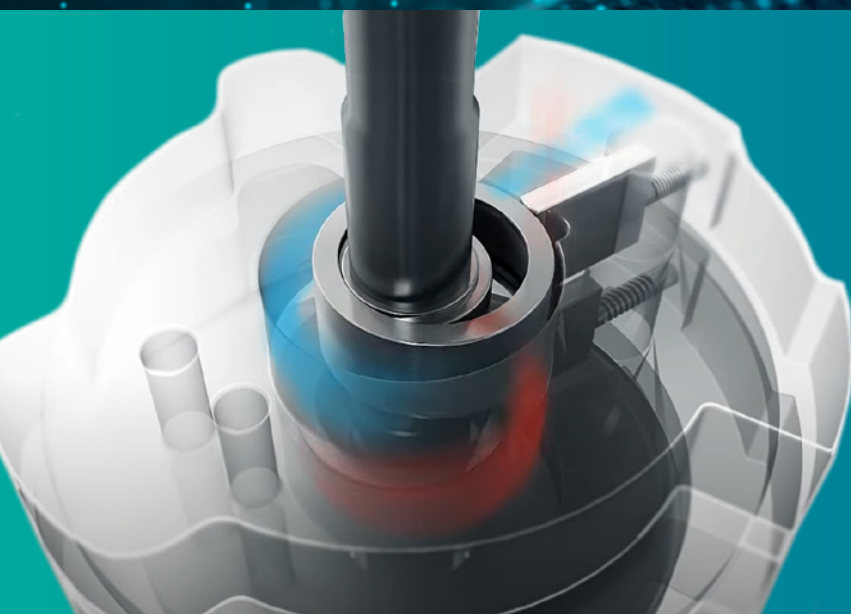
**7
YEARS**

**TITANIUM COIL
WARRANTY AGAINST CORROSION**

**15
YEARS**

*conditions on www.poolex.fr

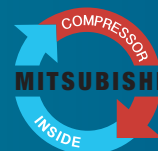
Up to
35%
**FULL
INVERTER**
Technology
energy savings
compared to an On/Off heat pump



Multi-frequency compressor

Multi-frequency rotary compressors represent the very best of today's calorific performance optimization in heat pumps.

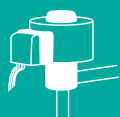
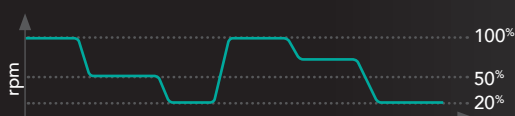
The high energy efficiency associated with controlled power consumption allows the Megaline Fi to have one of the best COPs on the market.



Variable speed fan

Coupled with smart management of power supplied, the fan modulates its rotation speed according to the temperature of the evaporator and delivers only the necessary air flow.

Air noise is therefore greatly reduced, as is electricity consumption.



Electronic
expansion valve



Eco-friendly
R32 gas

ENERGY COMPARISON

ON/OFF VS FULL INVERTER

Usage 7 months/year • Water temperature 28°C

Case N°1 - La Rochelle

250m³ swimming pool with skimmer without cover



	Average COP	Monthly KW consumed	Annual cost	
Megaline Fi 100	6.7	3,031	€6,183	€16.9 ^{VAT excl.} /day
Megaline On/Off 95	4.5	4,330	€8,833	€24.2 ^{VAT excl.} /day
Yearly savings	€ 2,650 or -30%			

Case N°2 - Saint-Raphaël

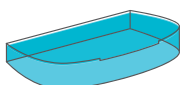
285m³ swimming pool with skimmer without cover



	Average COP	Monthly KW consumed	Annual cost	
Megaline Fi 100	7.3	2,151	€4 388	€12.0 ^{VAT excl.} /day
Megaline On/Off 95	4.5	3,267	€6 664	€18.2 ^{VAT excl.} /day
Yearly savings	€ 2,276 or -34%			

Case N°3 - La Rochelle

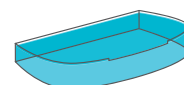
125m³ swimming pool with skimmer without cover




	Average COP	Monthly KW consumed	Annual cost	
Megaline Fi 50	6.7	1,524	€3,108	€8.51 ^{VAT excl.} /day
Megaline On/Off 45	4.2	2,160	€4,406	€12.0 ^{VAT excl.} /day
Yearly savings	€ 1,298 or -29%			

Case N°4- Saint-Raphaël

185m³ swimming pool with skimmer without cover



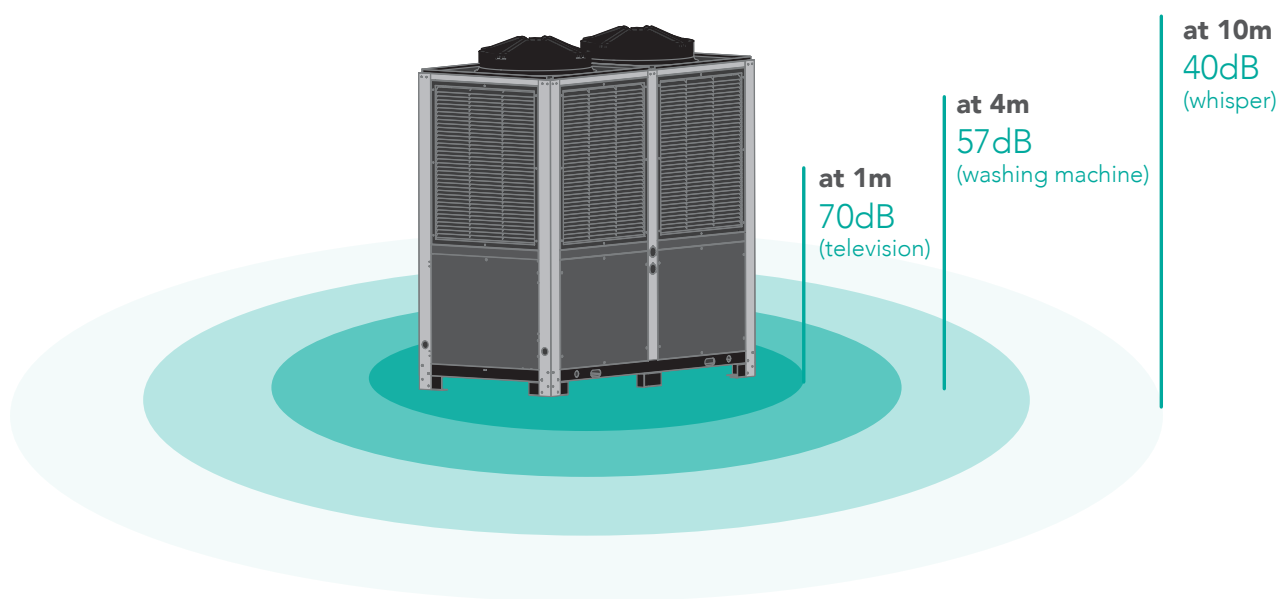
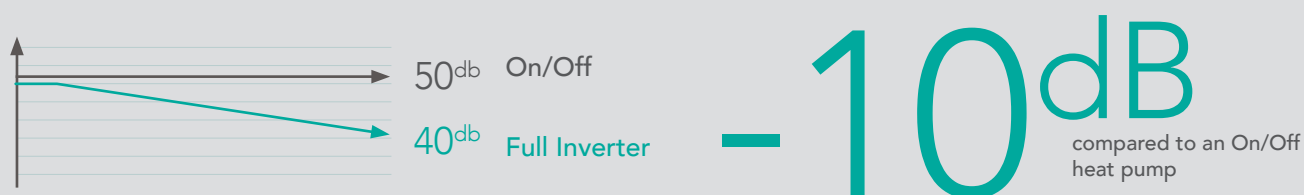
	Average COP	Monthly KW consumed	Annual cost	
Megaline Fi 50	7.3	1,080	€2,203	€6.03 ^{VAT excl.} /day
Megaline On/Off 45	4.4	1,616	€3,296	€9.03 ^{VAT excl.} /day
Yearly savings	1,093 € or -33%			

		MEGALINE FI 50	MEGALINE FI 75	MEGALINE FI 100
Reference: PC-MLP		502N	752N	1002N
Air 26°C Water 26°C Hygro 80%	Max. power output (kW)	68	102	135
	Min. power output (kW)	16.1	24.3	31.9
	Power consumption (kW)	9.8~1.2	147~1,8	19.3~2.3
	COP	13.54~6.93	13.56~6.95	13.59~6.98
Air 15°C Water 26°C Hygro 70%	Max. power output (kW)	50	75	100
	Min. power output (kW)	11,7	17.8	23,6
	Power consumption (kW)	10.1~1.6	15.1~2.4	20.0~3.1
	COP	7.52~4.93	7.55~4.96	7.58~4.99
Electricity supply		Tri 380V/3/50Hz		
Max. current		27	39	53
Cable section (at 10m)		RO2V 5x6mm²	RO2V 5x10mm²	RO2V 5x16mm²
Heating temperature range		15°C~40°C		
Cooling temperature range		8°C~28°C		
Operating range		-15°C~43°C		
Max. power (kW)		14.9	22.4	29.8
Flow (m³/h)		20	30	40
Refrigerant		R32		
Dimensions (mm)		1448x800x950	1252x1076x1865	2148x1076x2176
Weight (kg)		280	450	760
Hydraulic connections (mm)		63	75	75
Net weight (kg)		380	450	760
Noise level at 1 m (dB(A))		≤70	≤71	≤73
Noise level at 10 m (dB(A))		≤40	≤41	≤42
	Compressor	Mitsubishi Rotary Inverter		
	Fan	Variable frequency fan		
Number of compressors		1	2	2
Exchanger		Twisted Tech© Titanium		
Function		Heating (Full Inverter) / Cooling (Full Inverter) / Eco / Boost		
Conexión		Conexión WiFi a través de la aplicación de domótica (Apple Store y Google Play)		
Load losses (mCE)		4	4.2	4.8

VISUAL & SOUND ... DISCRETION



ASTONISHING ACOUSTIC PERFORMANCES!



Smart conception, vertical vent & Full Inverter technology,
the Megaline Fi provides some of the best acoustic performance on the market.

It is no longer necessary to move your heating system away to avoid noise pollution, the Megaline Fi
blends into the outdoor space.



STANDING THE
TEST OF TIME

...

STAINLESS

Made to last, we opted for a 100% stainless steel structure.

It is the guarantee of optimal lifespan, even by the seaside.

Stainless steel structure

Powder coated galvanized steel panels



COP (coefficient of performance)

With components sourced from the biggest brands on the market and smart electronic management, the Megaline Fi adapts itself to all conditions with a COP among the highest on the market.

Full Inverter Mitsubishi Double* compressor

Equipped with the latest generation of Mitsubishi Inverter compressor using R32 gas, ensuring both top-notch performance and exceptional service life.

*Unique compressor on Megaline Fi 50



WiFi control through home automation app

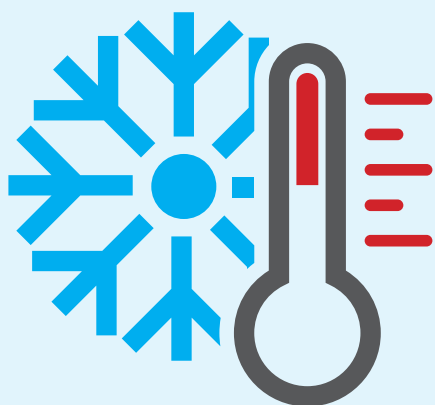
Heat pump control at the fingertips with main informations sent directly to your smartphone, wherever you are.

Vertical ventilation = Limited space

Through its design, vertical ventilation only brings advantages: limited space, reduced sound pressure, installation close to living spaces, easy maintenance.

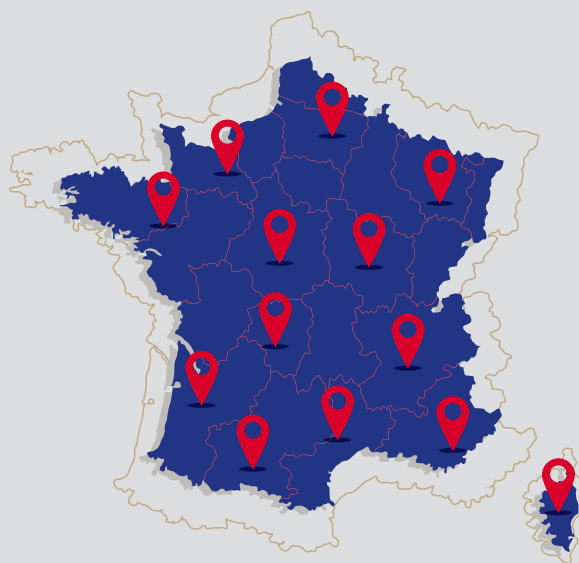
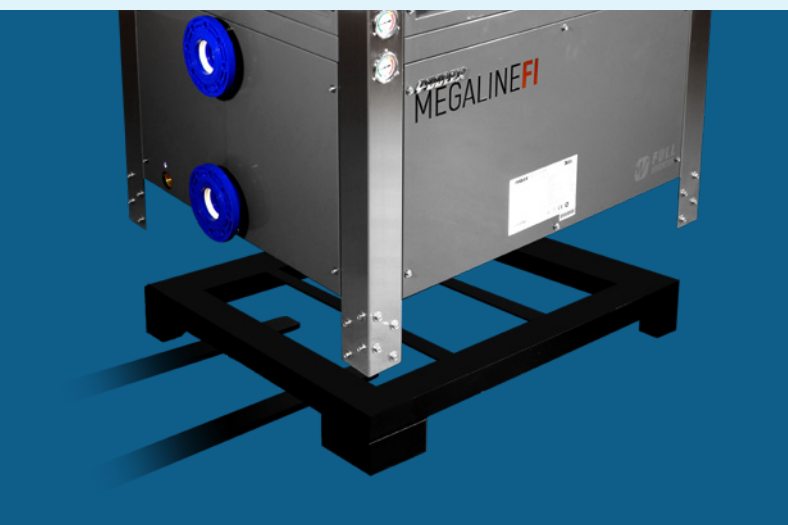
Wide range of use up to -15°C

Suited to year round, any climate use.



LCD control panel

Its large multilingual control panel displays all the information necessary for ease of use. The advanced functions also allow viewing of states and error codes history.



Integrated handling base

Poolex innovation, the Megaline Fi includes a structure designed to be lifted and handled, thus facilitating its installation.

Network of partner installers

Tailor-made support, from sizing to maintenance is possible thanks to our network of partner installers regularly trained for this type of product.

The assurance of having peace of mind

A team of experts to support you



Get your personalized study

Our Poolex experts are at your disposal to offer you the appropriate solutions for the sizing and installation of your heating system thanks to a precise thermal balance and personalized support.

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Poolex, when you choose peace of mind.