

**WORLD  
OF POOLS**

**INVERPAD<sup>®</sup>**  
by **AQUARK<sup>®</sup>**

**4 SEASONS SWIMMING**  
**MR.PERFECT**



**INVERPAD<sup>®</sup>**  
**TURBO**

# INVERPAD<sup>®</sup>

## TURBO

InverPad Turbo is an innovative and unique patent owned by patent pool heat pump technology. For the first time in the pool industry, it utilises the most advanced silent technology in Turbofan, which is combined with aerodynamic optimisation and the best noise cancelling technologies to set a new milestone in noise level. You can hardly hear any mechanical noise.

Furthermore, InverPad Turbo was developed to run in the harshest conditions. Thanks to TurboFan's new airflow system, it increases the heat exchange area and maximises heat output to guarantee an excellent performance under cold weather conditions. Enjoy swimming all year long throughout the four seasons!





# PERFECT SILENCE



38.4dB(A) AVERAGE



20 TIMES MORE SILENT  
THAN AN ON/OFF HEAT PUMP

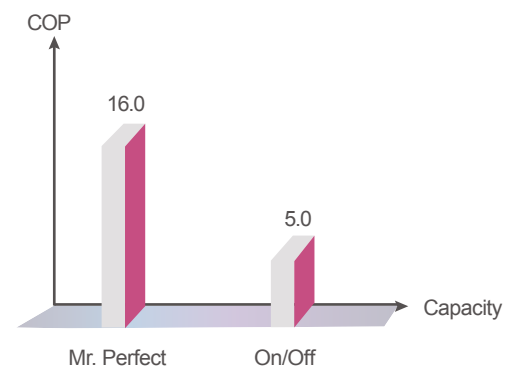




# PERFECT PERFORMANCE

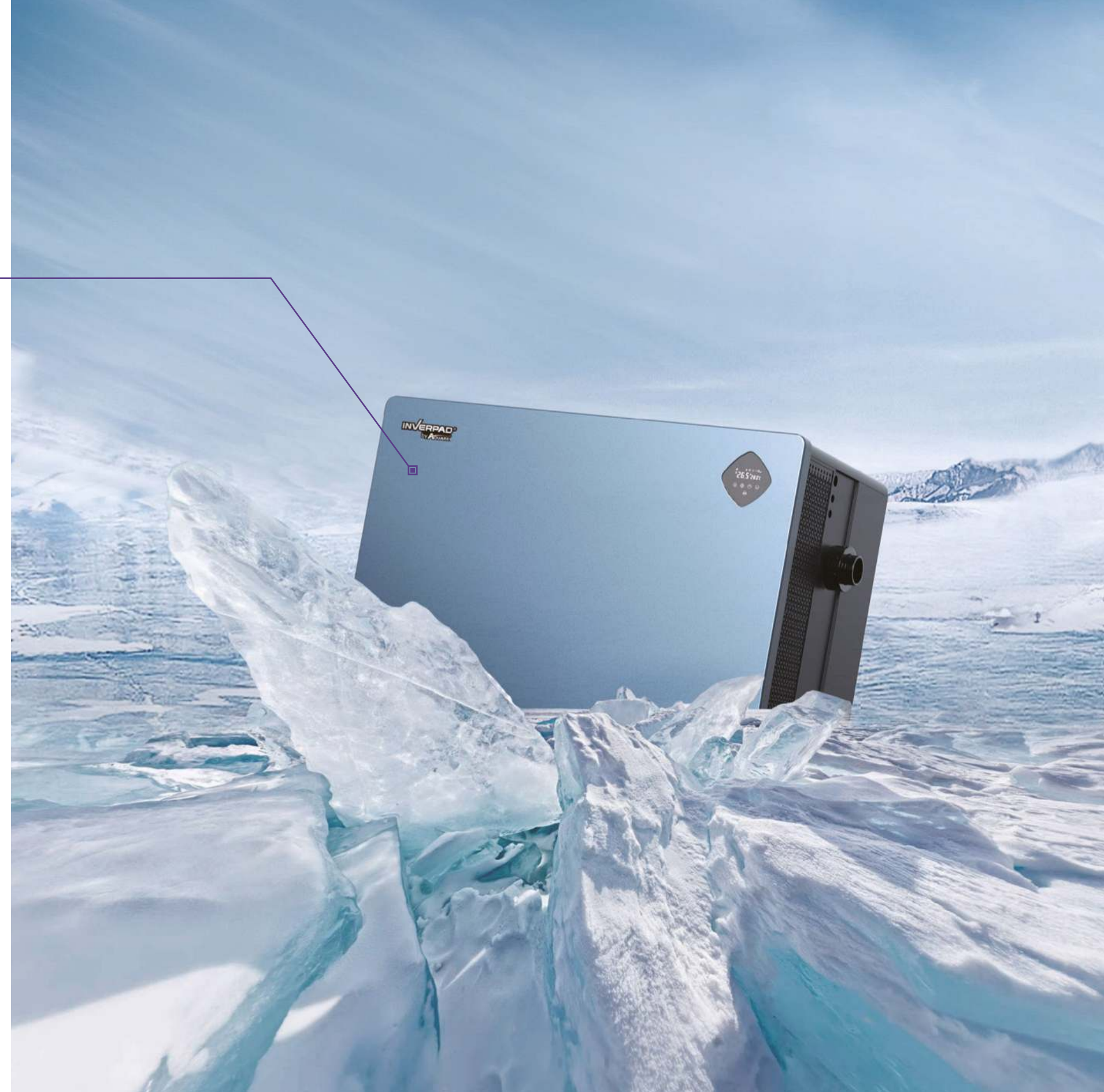
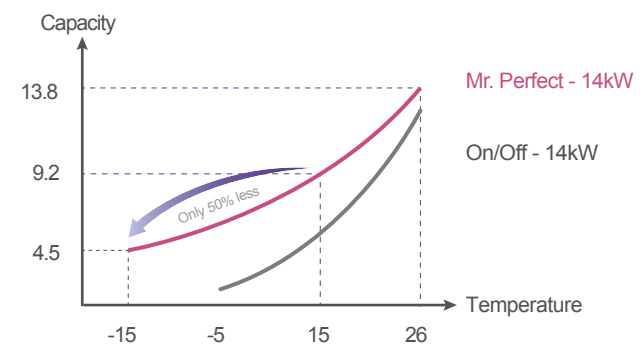
COP UP TO 16.0

69% MORE ENERGY SAVING THAN ON/OFF



AIR OPERATION -15 C\*

50% HEATING OUTPUT UNDER HARSH CONDITIONS



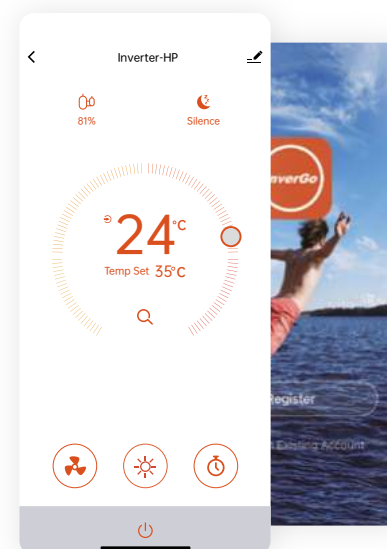
# PERFECT APPEARANCE

Mr. Perfect incorporates round corners to the classic Pad design, enhancing simplicity and uniqueness to the next level.



## Advanced Controller

The improved controller provides simple operation with advanced data monitoring. It also combines full panel tempered glass and responsive back lighting for a highly sophisticated appearance.



## Built-in Wi-Fi

With built-in Wi-Fi and the smart app InverGo, you can get all the features in the controller of your heat pump, plus much more.



## Side Vented



Side vented air grilles makes for perfect air distribution and minimum vibration.



# MORE ADVANTAGES



## WARRANTY OPTIONS

Mr Perfect heat pump comes with an automatic 5 Year Parts Only Warranty extended to 12 Years on the Compressor and Heat Exchanger! For an additional cost an optional 3 or 5 Year labour warranty is available. Applicable to UK mainland only.



Twisted titanium heat exchanger  
40% higher efficiency

Mitsubishi twin-rotary  
DC compressor

EEV Technology:  
Increase COP by 20%

Full electrical system protection:  
180V-260V and soft start

Heat to 40°C  
Cool to 12°C

Extended Season. Reverse Cycle  
Defrost operating down to -15°C

## Parameters of Mr. Perfect

	MP220	MP270	MP320	MP320S	MP410S	
<b>Technology</b>	InverPad® Turbo (Patented)					
<b>Operating air temperature (°C)</b>	-15°C-43°C					
<b>Advised pool volume (m3) *</b>	45-85	50-95	60-120	60-120	85-160	
<b>Performance</b>	Air 27°C / Water 27°C / Humidity 80%					
	Heating capacity (kW) <b>Turbo Mode</b>	22.5	26.5	31.5	31.5	40.5
	Heating capacity (kW) <b>Perfect Mode</b>	18.0	20.6	26.8	26.8	34.5
	COP range	15.5-7.4	15.2-7.3	16.0-7.2	15.8-7.2	16.0-7.0
	Average COP at 50% Speed	11.8	11.5	11.6	11.6	11.5
	Air 15°C / Water 26°C / Humidity 70%					
Heating capacity (kW) <b>Turbo Mode</b>	15.0	18.0	21.8	22.1	29.0	
Heating capacity (kW) <b>Perfect Mode</b>	12.6	14.4	18.0	18.0	23.9	
COP range	8.2-5.1	7.9-5.2	8.0-5.2	8.0-5.0	8.3-5.1	
Average COP at 50% Speed	7.0	6.8	6.9	7.0	7.0	
<b>Components</b>	Compressor					
	Mitsubishi Twin-Rotary DC Compressor					
	Fan motor					
	Turbofan					
Casing	Aluminium Alloy					
	Power supply					
		230V 1Ph	400V 3Ph			
<b>Sound</b>	Sound level at 1m dB(A) *	39.5-49.8	39.8-50.2	40.3-50.8	40.5-50.9	40.6-51.3
	Sound level by 50% speed 1m dB(A) *	43.0	43.1	45.1	45.6	45.7
	Sound level at 10m dB(A) *	19.5-29.8	19.8-30.2	20.3-30.8	20.5-30.9	20.6-31.3
<b>Others</b>	Rated input power (kW)	0.45-3.33	0.54-4.00	0.59-4.36	0.60-4.42	0.78-5.80
	Input power at 50% Speed (kW)	0.90	1.06	1.30	1.29	1.71
	Rated input current (A)	1.96-14.48	2.35-17.39	2.56-18.96	0.86-6.41	1.13-8.41
	Advised water flux (m³/h)	6-9	8-10	10-12	10-12	12-18
	Water connection (inch)	1.5	1.5	1.5	1.5	1.5
<b>Dimensions</b>	Net dimensions LxWxH (mm)	980*504*756	1135*514*756	1029*512*1107	1029*512*1107	1139*512*1106
	Net weight (kg)	91	114	136	142	160

Remarks: \* Advised pool volume assumes the following conditions:

- ~ Private pool use
- ~ Pool has been installed below ground
- ~ Water table below pool construction depth
- ~ Average water depth 1.30m
- ~ Thermal cover applied 20 hours per day

- ~ Filtration cycle 12-24 hours per day dependent on summer/extended season usage
- ~ For all year-round heating application multiple units, please use reference guide on following page and discuss with your pool dealer for advice. Back-up heating may be required.
- ~ dB(A) sound levels do not include surrounding ambient noise



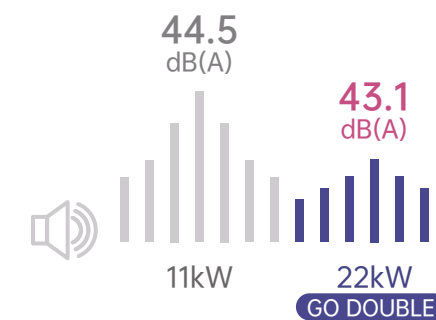
# GO DOUBLE 4 seasons

Go Double - Choosing a double capacity inverter heat pump can extend your swimming season, maximising your swimming enjoyment and investment.



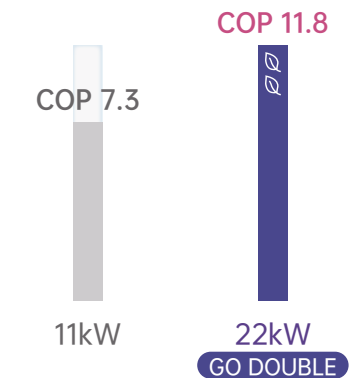
## Extreme silence

Over 1.4 times more silent



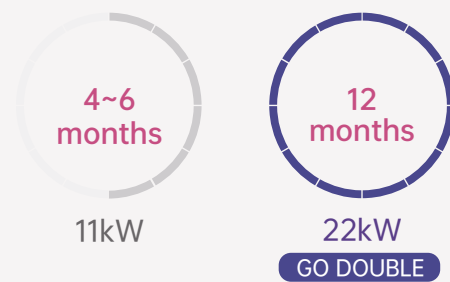
## Extreme saving

More than 38% saving.



## Double season

Extend your pool season by two and enjoy swimming for most of the year.



## Double value

A 22kW heat pump doubles your pool season. Therefore, it doubles your pool investment return.



## Sizing Reference



volume(m3)

Different pool size vs capacity of heat pump

