

SPECIFICATIONS OF IMPULSE

Photos						
Accessories inside the carton						
Model No.	SPARK-17	SPARK-21	SPARK-28	SPARK-35	SPARK-28S	SPARK-35S
* Heating Capacity at Air 26°C, Humidity 80%, Water 26°C in, 28°C out						
Heating Capacity (kW)	17~3.8	21~4.8	28~6.8	35~8.8	28~6.8	35~8.8
Power Input (kW)	2.5~0.24	3.09~0.30	4.12~0.43	5.15~0.56	3.97~0.43	5.15~0.56
COP	15.8~6.8	15.8~6.8	15.8~6.8	15.8~6.8	15.8~6.8	15.8~6.8
* Heating Capacity at Air 15°C, Humidity 70%, Water 26°C in, 28°C out						
Heating Capacity (kW)	13.5~3	16.5~3.8	23~5.5	25.5~6.4	23~5.5	25.5~6.4
Power Input (kW)	2.76~0.39	3.37~0.5	4.7~0.72	5.2~0.84	4.7~0.72	5.2~0.84
COP	7.6~4.9	7.6~4.9	7.6~4.9	7.6~4.9	7.6~4.9	7.6~4.9
* Cooling Capacity at Air 35°C, Water 29°C in, 27°C out						
Cooling Capacity (kW)	9.4~2.1	11.6~2.7	14.9~3.8	19.3~4.9	14.9~3.8	19.3~4.9
Power Input (kW)	2.47~0.31	3.05~0.4	3.92~0.57	5.08~0.73	3.92~0.57	5.08~0.73
EER	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8
* General data						
Power supply	220~240V/1/50Hz			380~415V/3/50Hz		
Max Power Input (kW)	2.6	3.2	4.45	4.76	6.43	6.93
Max Current (A)	12	14.7	20.4	30	7.9	11.3
Water Flow Volume (m3/h)	5.5	6.5	9	12	9	12
Refrigerant	R32					
Heat Exchanger	Titanium					
Air Flow Direction	Horizontal					
Automatic defrosting	by 4 way valve					
Working temp. range (°C)	-15~43					
Casing Material	ABS					
Water Proof Level	IPX4					
Noise level 1m dB(A)	43~55	45~56	47~58	49~59	47~58	49~59
Noise level 10m dB(A)	23~35	25~36	27~38	29~39	27~38	29~39
Net Weight (kg)	54	58	88	98	88	98
Gross Weight (kg)	65	69	99	110	99	110
Net Dimensions (mm)	925*364*642			1084*399*737		
Package Dimensions (mm)	990*435*760			1146*460*862		

* Above data are subjects to modification without notice.



Swimming Pool Heat Pump
– Quiet & Energy Efficient



Excellent performance.
Extremely quiet running.
Extending your swimming season.

IMPULSE

HEAT PUMPS



Distributed by
RAPID HEAT AUSTRALIA PTY LTD
ABN 67 654 479 348
Imported by T & D Associates Pty Ltd
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3/334 Old Northern Road, Castle Hill Sydney NSW
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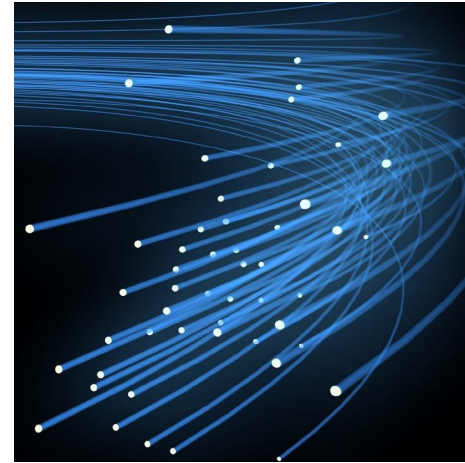
WHAT IS **IMPULSE** FULL-INVERTER TECHNOLOGY?

Thanks to the **IMPULSE** FULL-INVERTER technology, which makes pool heat pump industry enter into a new era.

FULL-INVERTER technology means the machine has adopted **INVERTER COMPRESSOR & INVERTER MOTOR**,

well-assorted with intelligent **IMPULSE DRIVER PROGRAM** to realize the various speed running automatically.

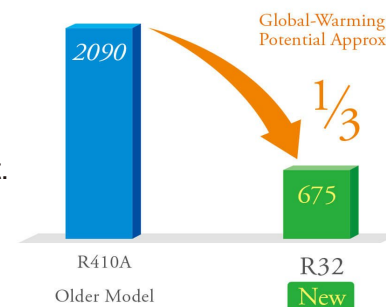
Compared to ON/OFF system, the lower speed operation of Inverters can benefit end-users with **ULTRA-QUIET EXPERIENCE & SAVING \$\$\$\$\$ YOUR ELECTRIC BILL.**



IMPULSE ADVANTAGES

1 **ECO-FRIENDLY R32 REFRIGERANT**

- ✦ Low GWP (Global Warming Potential) value=675.
- ✦ Much lower influence to environment than the old type R410A refrigerant.
- ✦ Save your cost of F-gas quota by 2/3 than R410A refrigerant.



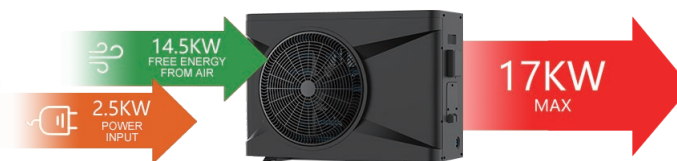
2 **ULTRA-QUIET EXPERIENCE**

- ✦ Low noise level: Down to 39~49dB(A) at 1 meter distance.
- ✦ Improve much for your swimming enjoyment.
- ✦ Keep good relationship with your neighbour.



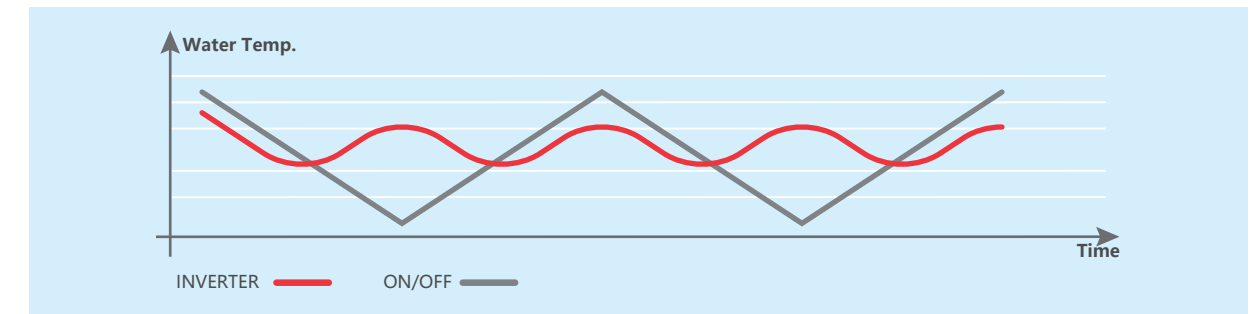
3 **EXCELLENT PERFORMANCE WITH HIGH-EFFICIENCY**

- ✦ COP (Coefficient of Performance) up to 16
- ✦ Up to 3 times energy-saving than ON/OFF system
- ✦ Saving \$\$\$\$\$ your electric bill.



4 **CONVENIENT EXPERIENCE**

Intelligent **IMPULSE** tech will operate smoothly to keep the constant pool water temperature automatically, with which offers you much more convenient swimming experience than ON/OFF system.



5 **BUILT-IN WIFI FUNCTION**

Control your pool heat pump via the APP on your smart phone, at Anywhere & Anytime.



IMPULSE FEATURES:

- Mitsubishi Inverter Compressor**
Higher-end & Quiet operation
- EEV (Electronic Expansion Valve)**
Much more precise for gas control
- Screwed Titanium Heat Exchanger**
Higher efficiency & Energy saving & Anti-corrosion
- Heating, Cooling & Auto modes**
More enjoyment with Multi-function
- Soft Start**
Frequency increasing slowly leads to a stable current
- Wide range operation**
Operation temp. down to -15°C extends much for your swimming time