SPECIFICATIONS OF FULL-INVERTER®

Model	InO 06	InO 08	InO 12	InO 14	InO 18
Advised pool volume (m^3)	20~40	30~55	40-75	50-95	65-120
Operating air temperature (°C)			-7~43		
Performance Condition: Air 26°C / Water 26°C / Humidity 80%					
Heating capacity (kW)	8.0	12.0	17.3	21.0	27.3
COP	14.7~7.0	14.8~5.7	15.5~5.9	15.2~5.7	15.3~6.2
COP at 50% capacity	10.6	10.3	10.8	10.5	11.0
Performance Condition: Air 15°C / Water 26°C / Humidity 70%					
Heating capacity (kW)	5.8	8.0	11.4	14.3	18.0
COP	7.3~4.8	7.4~4.3	7.8~4.3	7.7~4.2	8.1~4.6
COP at 50% capacity	6.5	6.2	6.3	6.2	6.7
Sound pressure at 1m dB(A)	38.8~48.2	42.1~50.7	43.1~53.8	40.9~54.2	43.5~54.9
Sound pressure of 50% capacity at 1m dB(A)	41.4	45.7	46.5	46.4	48.4
Sound pressure at 10m dB(A)	18.8~28.2	22.1~30.7	23.1~33.8	20.9~34.2	23.5~34.9
Compressor			Twin-rotary Mitsubishi DC inverter		
Heat exchanger			Spiral titanium tube in PVC		
Casing			ABS Casing		
Power supply			230V/1 Ph/50Hz		
Rated input power at air 15°C (kW)	0.16~1.2	0.24~1.8	0.3~2.6	0.36~3.3	0.53~3.8
Rated input current at air 15°C (A)	0.7~5.2	1.04~7.8	1.3~11.3	1.57~14.3	2.3~16.5
Max input current (A)	8.0	10.0	13.5	17.5	21.0
Circuit breaker (A)	10.5	12.0	16.0	21.0	25.0
Power cord (mm^2)	3×1.5	3×2.5	3×2.5	3×4	3×6
Advised water flux (m^3/h)	2~4	4~6	6.5~8.5	8~10	10~12
Water pipe in-out size (mm)			50		
Gas (g)	750	1000	1250	1500	2600
GWP			2088		
CO2 equivalent (tonnes)	1.57	2.09	2.61	3.13	5.43
Net dimension LxWxH (mm)	961×340×658	961×340×658	961×420×658	961×420×758	1092×420×958
Net Weight (kg)	45	50	63	68	90
Qty per 20'FT / 40'HQ (sets)	90/198	90/198	78/165	52/165	44/100

* The values indicated are valid under ideal conditions: Pool is well covered, filtration system running at least 15 hours a day.
* Above data is subject to modification without notice.

CE

TEDDINGTON FRANCE

7, avenue Philippe Lebon ,92390 Villeneuve La Garenne, FRANCE

Tel: +33 141 47 71 71 Fax: +33 147 99 95 95 Web: www.teddington.com

Teddington FRANCE

Full-inverter®

10 TIMES QUIETER AVERAGE 46 dB(A) at 1m
DOUBLE ENERGY SAVING AVERAGE COP 11
(Air 26°C/ Water 26°C/ Humidity 80%)

UNIQUE FULL-INVERTER® TECHNOLOGY

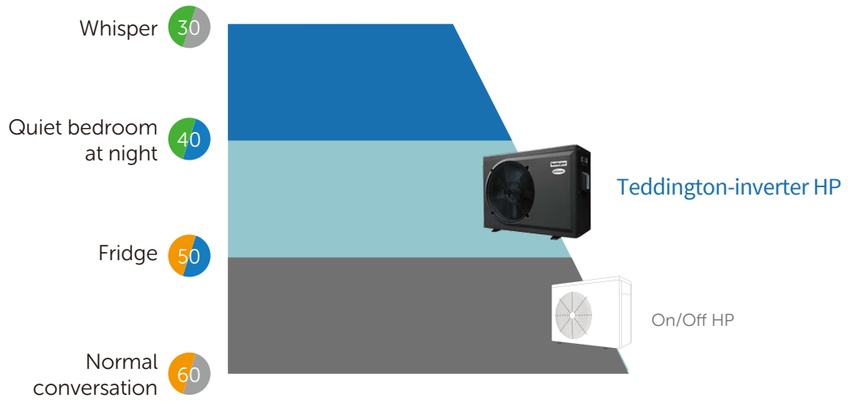
Teddington-inverter HP is powered by Full-inverter® Technology. It adopts variable speed compressor & fan motor which adjusts the compressor speed hertz by hertz and fan speed round by round. The low-speed running philosophy of Teddington-inverter can benefit the customers with higher COP and lower sound pressure.

In the first few days of swimming season, the Teddington-inverter HP runs at full capacity to heat up the pool, after that, the HP runs at AVERAGE 50% capacity to maintain the desired pool temperature. Under 50% capacity, the HP is double energy saving with AVERAGE COP 11; meanwhile, the AVERAGE sound pressure is 46 dB(A) at 1 m, it's 10 times quieter than On/Off HP and can be ignored.

1 10 Times Quieter

-AVERAGE sound pressure 46 dB(A) at 1 m

When maintaining the desired pool temperature at 50% capacity, the AVERAGE sound pressure of an Teddington-inverter HP is 46 dB(A) at 1 m, compared with sound pressure 56-60 dB(A) of an On/Off HP , it brings you 10 times quieter swimming environment.

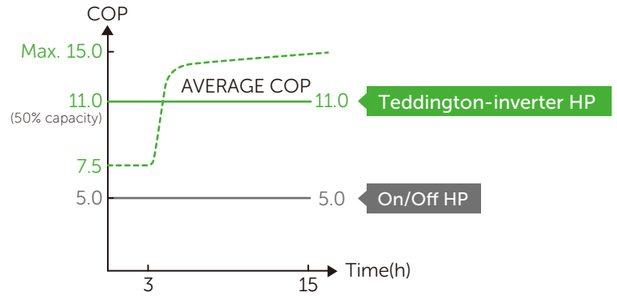


2 Double Energy Saving

-AVERAGE COP 11 at 50% capacity, Max. COP 15

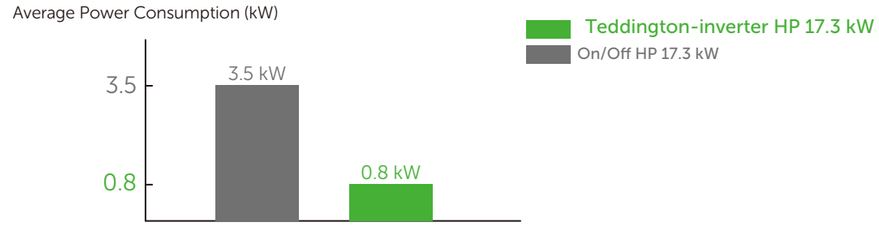
When maintaining the desired pool temperature at 50% capacity, the AVERAGE COP of an Teddington-inverter is 11, while the COP of an On/Off HP is around 5, so it is double energy saving.

◆ COP in 15 hours' heating per day
(when maintaining pool temperature)



(Air 26°C/ Water 26°C/ Humidity 80%)

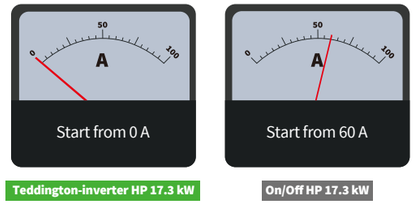
◆ Power consumption in 15 hours' heating per day
(e.g. 17.3kW at Air 26°C/ Water 26°C/ Humidity 80%)



3 Other Advantages

◆ Soft start technology

Soft Start Technology is designed to slowly draw required current from 0 Amps to the full rated current over a 2 minute period, in order to help prevent overload and triggering your safety RCD switch.
While On/Off HP will create a 5 times rated current at initial start- up which can sometimes overload your electrical system.



◆ Twin-rotary Mitsubishi DC inverter compressor

Based on "Twin mechanism" innovative solution, two rotors operate together to balance the torque for anti-shaking. It leads to higher efficiency & quieter operation.

◆ DC brushless fan motor

Lower noise & lower power consumption.