



Toyesi

Energy Efficient Commercial Heat Pumps and Chillers



TOO EASY WITH TOYESI

Australian Designed & Built
Swimming Pool & Spa Heat Pumps



Poseidon Performance Series

20 kW to 80 kW





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20 kW to 80 kW

For Dependable Performance when you Need it.

When performance and longevity really matter, Toyési holds nothing back in the design and construction of its heat pumps. Taking advantage of our in-house patent heat exchanger technology and stepping it up to a tri-core for even more energy efficient energy transfer, Toyési really delivers with the core of its Poseidon Performance range.

Ideal for swim schools and commercial pools where reliability and ease of service, where customer satisfaction is paramount.



Key Features

- ✓ Extremely energy efficient with C.O.P from 4 to 8 depending ambient conditions.
- ✓ Available in 8 models from 20kW to 80kW
- ✓ Customisable for both outdoor and indoor installations.
- ✓ Low ambient air performance
- ✓ 304 Stainless steel chassis – upgradable to 316 marine grade stainless steel
- ✓ Advanced system protect features including: Flow switch, low and high pressure cut out switches.
- ✓ Horizontal air flow to prevent inefficiencies due to vertical cold air mushrooming.
- ✓ Advanced Defrost intelligence to minimise down time.
- ✓ Unique Toyési water balance kit & COP Gauge for increased efficiencies year-round.

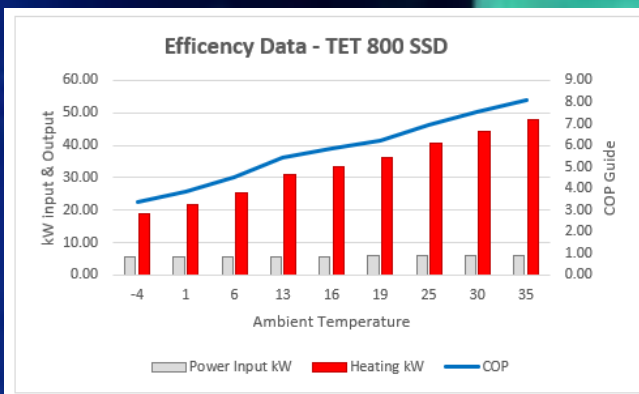
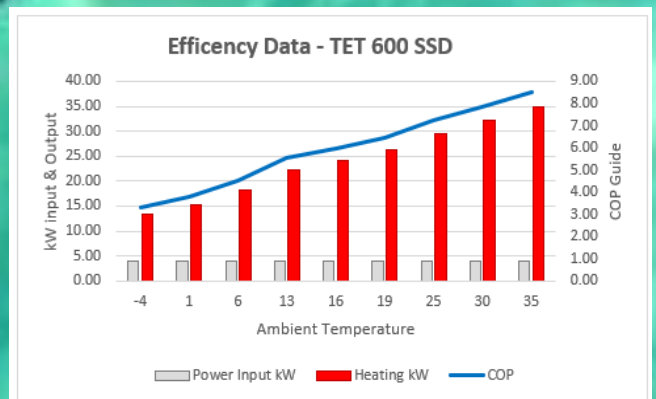
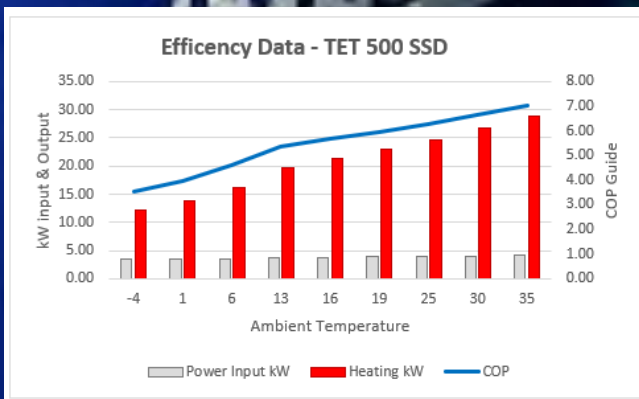


TOYESI AUSTRALIA

MODEL	TET 500	TET 600	TET 750	TET 800
* Winter Output (kW)	20.0	26.0	30.0	38.0
# Summer Output (kW)	24.8	29.4	35.1	41.6
Cooling Capacity (kW)	14.0	18.2	21.0	26.6
Power Input (kW)	4.5	4.9	6.3	7.1
COP	5.5	6.0	5.6	5.9
Power Supply: (1-phase / 3-phase)	240 / 415	240 / 415	415	415
RLA / Phase (A) 3-phase	21 / 10	33 / 11	12	14
Circuit Protect (A) 3-phase	40 / 25	50 / 25	25	32
Sound @ 1m dB(A)	71	72	65	65
Refrigerant	407 C	407 C	407 C	407 C
Compressor Type	Copeland Scroll	Copeland Scroll	Copeland Scroll	Copeland Scroll
Water Connection (mm)	40	40	40	40
Min. Water Flow Rate (L/s)	0.8	0.9	1.2	1.4
Pressure Drop kPa	45 to 75	45 to 75	45 to 75	45 to 75
Dimensions L X W x H (mm)	1160 x 550 x 935	1160 x 550 x 935	1160 x 800 x 1240	1160 x 800 x 1240
Weight (kg)	145	185	250	250

* Nominal Winter Conditions - Pool Water Heating considered to be at 27°C and Ambient 15°C

Nominal Summer Conditions - Pool Water Heating considered to be at 27°C and Ambient 25°C



Swim All Year Round In Comfort

With A Toyesi Heat Pump

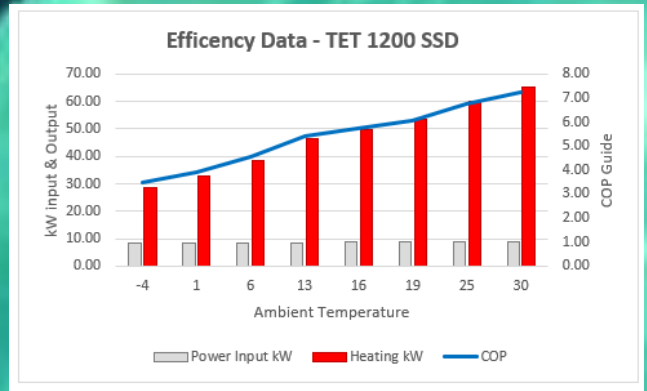
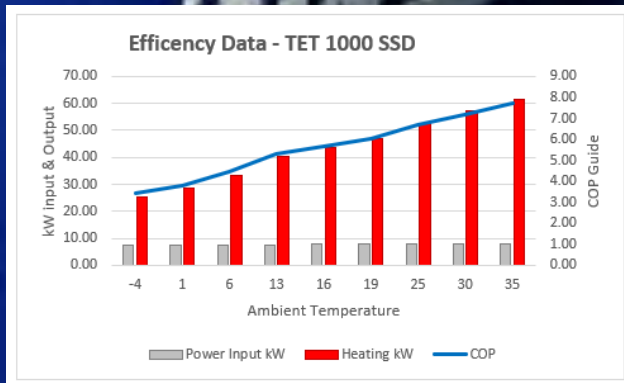


AUSTRALIA

MODEL	TET 1000	TET 1200	TET 1400	TET 1600
* Winter Output (kW)	48.0	58.0	71.0	80.0
# Summer Output (kW)	52.5	63.0	80.0	90.0
Cooling Capacity (kW)	33.6	40.6	49.7	56.0
Power Input (kW)	7.9	10.9	12.7	14.2
COP	6.7	5.8	6.3	6.3
Power Supply: (1-phase / 3-phase)	415	415	415	415
RLA / Phase (A) 3-phase	20	21	24	28
Circuit Protect (A) 3-phase	32	32	40	40
Sound @ 1m dB(A)	74	74	71	71
Refrigerant	407 C	407 C	407 C	407 C
Compressor Type	Copeland Scroll	Copeland Scroll	Copeland Scroll	Copeland Scroll
Water Connection (mm)	50	50	50	50
Min. Water Flow Rate (L/s)	2.8	3.0	3.4	3.8
Pressure Drop kPa	45 to 75	45 to 75	45 to 75	45 to 75
Dimensions L X W x H (mm)	1400 x 800 x 1240	1400 x 800 x 1240	1840 x 890 x 1365	1840 x 890 x 1365
Weight (kg)	331	331	400	400

* Nominal Winter Conditions - Pool Water Heating considered to be at 27°C and Ambient 15°C

Nominal Summer Conditions - Pool Water Heating considered to be at 27°C and Ambient 25°C





Toyesi

Energy Efficient Commercial Heat Pumps and Chillers

The Toyesi Difference



Proudly an Australian company since it's creation in 1989.

- Australian Manufactured Heat Pumps
- 30+ Years of industry experience
- Immense Tacit Knowledge
- Designed, Manufacture, Tested & Supported Right Here in Australia
- Local supplier, Local Support, Local Knowledge



Eco-Friendly Energy Efficient Design

- Industry leader in efficient heat pumps since 1989
- Typical COPs of 5 to 10 or more achievable, pending set up
- Up to 1000% more efficient than other heating technologies
- Water Balance Kits & COP Gauges as standard for tweaking performance
- R407C Refrigerant Used



Unmatched Design Flexibility

- Because we manufacture our own equipment, we have this unmatched flexibility.
- Customisable Chassis – Low-line, Slim-line, stackable, 304 or 316 Stainless Steel & Coatings.
- Heat Exchanger Options – Copper-Nickle & Titanium options
- Standard outdoor designs, Dedicated In-plant systems
- Sound Attenuation, Ducting and more.
- New Transthermal Technology offering amazing multi-function heat pumps.



True Green Solution

- Energy Efficient
- Long life-cycle design
- Serviceable for life
- Minimum plastics used
- Design to be as close to 100% recyclable as possible.
- Being an Australian Manufacture means we must build to Australian standards.
- Multi-function Transthermal Technology unique to Toyesi

We've been making efficient commercial heat pump and chiller projects easy since 1989

The Specialists in Water Heating and Chilling



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