



DuratechTM
heat pumps

dura PRO

Dura_{PRO} heat pumps

Dura PRO Inverter heat pumps have the flexibility to vary the rotation speed of the compressor and the fan motor.

This allows it to use less energy to maintain the set temperature of the pool while also being able to heat up the pool faster at start-up. So you can enjoy further savings on your electricity bills.

exceptional energy-saving performance

Dura PRO Inverter heat pumps are designed to give you exceptional energy savings and performance.

After the set temperature is reached, less power is required to maintain the water temperature. This inverter technology provides a highly precise method of maintaining the set temperature.

one touch away

Unlike normal inverter pool heaters, the Dura PRO Inverter has a controller with a 5 inch colour touch screen display.

It provides complete functions and perfect user experience.

Visualisation and logging of temperature and power on the display gives the user an indication of the energy consumed.

soft start technology

When the Dura PRO Inverter heat pump turns on, the soft start technology reduces the current peak on the electricity supply.



This results in a stressless start-up.

features

- Compared to regular heat pumps, inverter driven pumps automatically optimise the refrigerant flow rate by varying the speed of both the fan and the compressor.
- Inverter technology makes it possible to reach extremely high C.O.P. regardless of the outside temperature. This not only saves energy but the pool is also swim-ready in no time. The desired water temperature can be adjusted in steps of 0.1°C.
- Equipped with a 5 inch full colour touch screen display.
- 5 different models ranging from 12, 17, 21, 25 and 28kW.
- Easy to use digital control panel.
- Soft start.
- Low noise, multi-speed fan.
- Corrosion resistant and chlorine resistant thanks to the extensive use of Titanium and ABS parts.
- Microprocessor controlled and equipped with electronic display for easy operation.
- Automatic hot gas defrosting.
- Titanium heat exchanger.
- Operates in air temperatures as low as -15°C.
- Capable of heating and cooling, all year round.

model codes

- | | | |
|-----------------|--------------|---------------------------|
| • 17 70 396 212 | Dura PRO-12 | (single phase) |
| • 17 70 396 217 | Dura PRO-17 | (single phase) |
| • 17 70 396 221 | Dura PRO-21 | (single phase) |
| • 17 70 396 225 | Dura PRO-25 | (single phase) |
| • 17 70 397 228 | Dura PRO-28T | (three phase) |
| • 12 70 066 500 | Smart Touch | (wireless remote control) |

					
	Dura PRO-12	Dura PRO-17	Dura PRO-21	Dura PRO-25	Dura PRO-28T
Maximum pool volume*	30–60 m³	40–75 m³	50–95 m³	65–120 m³	90–169 m³
Advised pool volume**	40 m³	50 m³	65 m³	75 m³	95 m³
Operating air temperature	-15 ~ 43°C				
Air: 27°C, Water: 26°C, Humidity: 80%					
Heating capacity	2.85–12 kW 9,690–40,800 BTU	3.77–17 kW 12,818–57,800 BTU	4.6–19.5 kW 15,640–66,300 BTU	5.7–24.2 kW 19,380–82,280 BTU	6.7–28.3 kW 22,780–96,220 BTU
Consumed power	0.21–2.12 kW	0.3–3.02 kW	0.37–3.94 kW	0.46–4.8 kW	0.54–5.57 kW
C.O.P.	13.57–5.66	12.57–5.63	12.43–4.95	12.39–5.04	12.41–5.08
Air: 15°C, Water: 26°C, Humidity: 70%					
Heating capacity	2.25–9.7 kW 7,650–32,980 BTU	2.92–12.4 kW 9,928–42,160 BTU	3.84–15.4 kW 13,056–52,360 BTU	4.68–19.9 kW 15,912–67,660 BTU	5.46–23.3 kW 18,564–79,220 BTU
Consumed power	0.32–2.08 kW	0.44–2.86 kW	0.6–3.81 kW	0.72–4.74 kW	0.83–5.49 kW
C.O.P.	7.03–4.66	6.64–4.34	6.4–4.04	6.5–4.2	6.58–4.24
Air: 10°C, Water: 26°C, Humidity: 64%					
Heating capacity	1.88–8 kW 6,329–27,200 BTU	2.5–10.7 kW 8,500–36,380 BTU	3.38–14.4 kW 11,492–48,960 BTU	4.2–17.8 kW 14,280–60,520 BTU	4.9–20.8 kW 16,660–70,720 BTU
Consumed power	0.33–1.95 kW	0.45–2.64 kW	0.62–3.62 kW	0.75–4.4 kW	0.87–5.1 kW
C.O.P.	5.7–4.1	5.56–4.05	5.45–3.98	5.6–4.05	5.63–4.08
Power supply	230 V, 50 Hz				380–400 V (3 phase)
Nominal heating capacity	7.1 kW	9.7 kW	11.5 kW	14.3 kW	16.6 kW
Nominal power input	0.99 kW	1.38 kW	1.72 kW	2.1 kW	2.46 kW
Maximum power input	2.5 kW	3.2 kW	4.88 kW	5.52 kW	6.72 kW
Nominal running current	4.3 A	6 A	7.5 A	9.1 A	4.6 A
Current range	0.9–9.2 A	1.3–13.1 A	1.6–17.1 A	2–20.9 A	1.13–9.29 A
Maximum current	13 A	13.96 A	21.17 A	24.09 A	11.2 A
Compressor quantity	1				
Compressor type	Rotary				
Refrigerant	R410A				
Fan quantity	1	1	1	2	2
Fan power input	100 W	120 W	120 W	200 W	200 W
Fan rotary speed	600–800 RPM	600–750 RPM	600–900 RPM	400–800 RPM	400–800 RPM
Fan direction	Horizontal				
Noise	42 dB(A)	44 dB(A)	45 dB(A)	46 dB(A)	48 dB(A)
Water connection	50 mm	50 mm	50 mm	50 mm	50 mm
Nominal water flow	4.2 m³/hr	5.3 m³/hr	6.6 m³/hr	8.6 m³/hr	10 m³/hr
Water pressure drop (maximum)	4.5 kPa	5 kPa	6 kPa	11 kPa	15 kPa
Unit nett dimensions (L x W x H)	1003 x 396 x 767 mm	1117 x 430 x 868 mm	1117 x 430 x 868 mm	1163 x 447 x 1275 mm	1163 x 447 x 1275 mm
Unit shipping dimensions (L x W x H)	1130 x 460 x 790 mm	1210 x 510 x 880 mm	1210 x 510 x 880 mm	1210 x 495 x 1300 mm	1210 x 495 x 1300 mm
Nett weight	59 kg	77 kg	82 kg	110 kg	110 kg
Shipping weight	69 kg	89 kg	95 kg	125 kg	125 kg

* Advised pool volume for an entirely insulated pool, with cover, free from wind and exposed to the sun. In case the pool volume is close to the maximum value, the inverter heatpump will nearly always run at full power.

** Advised pool volume for efficient heating.

