

ELECTRIC HEATERS

Evolution-2 All Titanium



SUITABLE FOR:



Above-Ground Pools



Spas



Residential Pools

Our most popular electric pool heater worldwide, the Evolution 2, is available in analogue or multi-lingual digital display. This corrosion resistant, all titanium heater, provides high performance, safe, silent operation and complete reliability to effortlessly heat any residential pool or spa to its desired temperature.

FEATURES:

- 23 models available, ranging from 1-kW to 24-kW
- Easy installation, fully equipped and pre-wired
- Robust, durable construction and compact design
- Ultra-reliable flow switch for safe operation
- Fitted with temperature thermostat and overheating sensor
- Analogue control with 1.2°C differential or digital control with 0.5°C differential and selectable multi-lingual display
- Titanium flow tube and titanium heating element
- Vortex, long life, stay clean heating element technology
- 100% efficiency throughout the product life
- Sea and salt chlorinated water compatible
- Can be floor or vertically wall mounted
- Silent operation

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SPECIFICATION

Power supply:	Single phase or 3-phase
Min. flow rate:	Up to 3-kW: 1m ³ /hr, 4-kW to 6-kW: 1.5m ³ /hr, 8.4-kW & greater: 4m ³ /hr
Max. flow rate:	17m ³ /h
Heating element:	Grade 1 titanium
Flow tube:	Grade 1 titanium
Control thermostat:	Analogue: 0>45°C (1.2°C differential). Digital: 0>45°C (0.5°C differential)
Safety thermal cut out:	60°C (manual reset)
Flow switch:	Gold tipped reed switch with titanium fulcrum pin
Contactors:	Siemens 3RT2023 or 3RT2027
Seals:	High temperature special formula EPDM ferrules. TPE end fitting gaskets
Water connections:	1 1/2" BSP female thread supplied with 1 1/2" /50mm stepped ABS unions for rigid pipe and 1 1/2" / 1 1/4" stepped hose tails for flexible pipe
Ingress protection rating:	IP44
Frequency:	50/60 Hz
Working pressure:	4 bar maximum
Mounting:	Floor or Wall mounting

TECHNICAL DATA

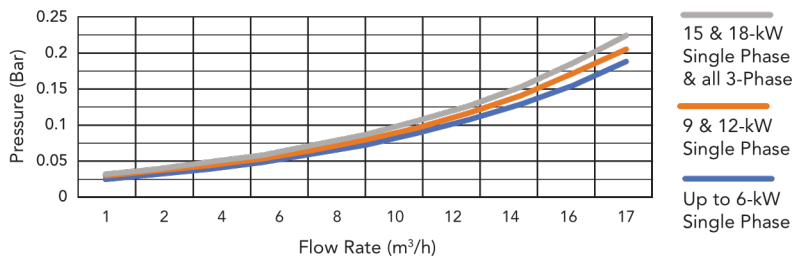
Model	Power Output	Load (amp)	Length (mm)	Net# weight(kg)	Gross# weight(kg)	Volume (m ³)	Product code	
							Analogue	Digital
220~240V 1-Phase	1-kW	4.5	462	3.9300	5.5300	0.0571	E2-1-1	E2D-1-1
	2-kW	8.5	462	3.9300	5.5300	0.0571	E2-1-2	E2D-1-2
	3-kW	13	462	3.9300	5.5300	0.0571	E2-1-3	E2D-1-3
	4.5-kW	20	462	3.9300	5.5300	0.0571	E2-1-4	E2D-1-4
	6-kW	26	462	3.9300	5.5300	0.0571	E2-1-6	E2D-1-6
	9-kW	40	462	4.2300	5.8300	0.0571	E2-1-9	E2D-1-9
	12-kW	53	462	4.2300	5.8300	0.0571	E2-1-12	E2D-1-12
	15-kW	66	462	4.5500	6.1500	0.0571	E2-1-15	E2D-1-15
	18-kW	79	462	4.5500	6.1500	0.0571	E2-1-18	E2D-1-18
230/400V Versatile	6-kW	26/8.5	592	4.7700	6.3700	0.0571	E2-V-6	E2D-V-6
	9-kW	40/13	592	4.7700	6.3700	0.0571	E2-V-9	E2D-V-9
	12-kW	53/18	592	4.7700	6.3700	0.0571	E2-V-12	E2D-V-12
400V 3-Phase	15-kW	22	592	4.5500	6.1500	0.0571	E2-3-15	E2D-3-15
	18-kW	26	592	4.5500	6.1500	0.0571	E2-3-18	E2D-3-18
	24-kW	34	592	4.5500	6.1500	0.0571	E2-3-24	E2D-3-24
220~240V 3-Phase	6-kW	15	592	4.5500	6.1500	0.0571	E2-3-6-D	E2D-3-6-D
	9-kW	23	592	4.5500	6.1500	0.0571	E2-3-9-D	E2D-3-9-D
	12-kW	30	592	4.5500	6.1500	0.0571	E2-3-12-D	E2D-3-12-D
	15-kW	38	592	4.5500	6.1500	0.0571	E2-3-15-D	E2D-3-15-D
	18-kW	46	592	4.5500	6.1500	0.0571	E2-3-18-D	E2D-3-18-D
120V 1-Phase	1-kW	8.5	462	3.9300	5.5300	0.0571	E2-1-1-120	E2D-1-1-120
	1.5-kW	12.5	462	3.9300	5.5300	0.0571	E2-1-1.5-120	
	2-kW	17	462	3.9300	5.5300	0.0571	E2-1-2-120	

Weights stated above are for analogue models only. #Please subtract 0.17kg for digital models.

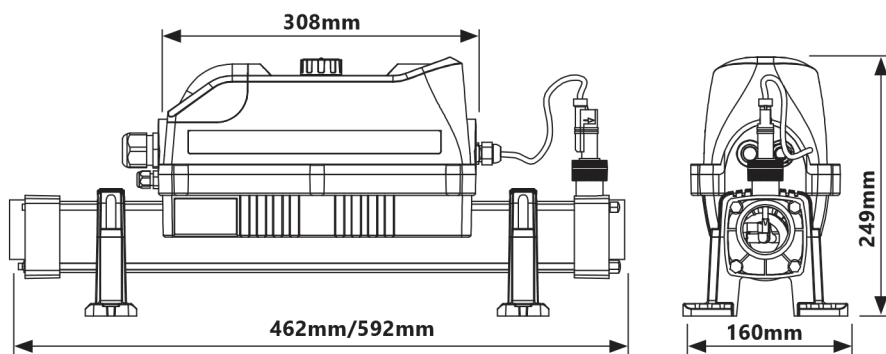
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PRESSURE DROP



TECHNICAL DRAWINGS



SYSTEM SETUP

