

A1. Specifications. Polar Bear Cub

Part number	41330
Commodity Code	8419500090

General

Plate material		Aluminium
Plate diameter	mm	149
Temperature range	°C	-40 to +30
Plate sensor		PT100
Dimensions (W x D x H)	mm	200 x 320 x 170
Weight	kg	8
Display		LED
Set point temperature setting resolution	°C	0.01
Temperature display resolution	°C	0.01
Safety circuit (thermal fuse)	°C	70
Typical accuracy over the temperature range	°C	± 1.0*
Control method		PID
External Sensor		PT 100
Control accuracy with external sensor in 5mL former at 0 °C	°C	±0.05

Stirring

Stirring quantity max. (H2O)	L	1
Motor rating input	W	60
Motor rating output	W	30
Speed Selection (3 fixed settings)	rpm	0, 500 and 1000
Stirring bar length max.	mm	50

Cooling (Plate only)*

Cooling time from 20°C to 0°C	min	9
Cooling time from 20°C to -20°C	min	20
Cooling time from 20°C to -30°C	min	29
Cooling time from 20°C to -40°C	min	54

* with our silicone insulation

Electrical

Voltage	V	110 - 240
Frequency	Hz	50/60
Power input	W	630
Fuses (External, Plug)		F0, 13A (110-230V)
Fuses (Internal)		F1, 10A (110V) or 5A (230V) F2, 10A (24V)

Connectivity

RS485		Optional
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Environment

Permissible ambient temperature	°C	5 - 40
Permissible relative moisture		No data
Protection class according to DIN EN 60529		IP 20
Packing box dimensions (L x W x H)	cm	43 x 31 x 43
Packing box dimension with palette (L x W x H)	cm	54 x 41 x 55
Packing box weight with palette	kg	9±1

*For an proper representation of the accuracy, the user should refer to the performance charts on our website