A1. Specifications. Polar Bear Cub

Part number		**41330**
Commodity Code		8419500090

<u>General</u>

Plate material		Copper, chrome plated
Plate diameter	mm	149
Temperature range	°C	-40 to +30
Plate temperature 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	0.1
Temperature display resolution	°C	0.1
Safety circuit (thermal fuse)	°C	70
Typical accuracy over the temperature range	°C	± 1.5*
Control method		PID
External Temperature Sensor		PT 100
Control accuracy with external sensor in 5mL former at 0 °	°C	±1.5

<u>Stirring</u>

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

<u>Cooling (Plate only)</u>*

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

<u>Electrical</u>

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)

<u>Connectivity</u>

RS485	Optional

<u>Environment</u>

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