

Polar Bear Plus

Part number

35760General

Plate material		Copper, chrome plated
Plate diameter	mm	149
Temperature range	°C	-40 to 150
Plate sensor		PT100
Dimensions (W x D x H)	mm	200 x 320 x 170
Weight	kg	9
Display		VGA
Set point temperature setting resolution	°C	0.01
Temperature display resolution	°C	0.01
Safety circuit min. (software)	°C	-50
Safety circuit max. (thermal fuse)	°C	160
Accuracy	°C	better than ± 1.0
Control method		PID
External Sensor		PT 100
Control accuracy with external sensor in former at 0 °C	°C	±0.10

Stirring

Stirring quantity max. (H2O)	L	1
Motor rating input	W	60
Motor rating output	W	30
Speed range	rpm	0, 200 - 1500
Speed setting resolution	rpm	1
Speed display resolution	rpm	1
Stirring bar length max.	mm	50

Heating (Plate only)

Heating output	W	180
Heating time from 20°C to 100°C	min	10

Cooling (Plate only)

Cooling time from 20°C to 0°C	min	7
Cooling time from 20°C to -20°C	min	14
Cooling time from 20°C to -40°C	min	23

Electrical

Voltage	V	220 - 240
Frequency	Hz	50/60
Power input	W	630
Fuses (External)		F0, 10A (110-230V)
Fuses (Internal)		F1, 3A (110-230V) F2, 10A (24V)

Connectivity

Ethernet interface		yes
USB Data Storage		yes
Real time historical log		yes

Environment

Permissible ambient temperature	°C	5 - 40
Permissible relative moisture		No data
Protection class according to DIN EN 60529		IP 20