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Julabo
THE TEMPERATURE CONTROL COMPANY

The Power of Thermodynamics™

PRESTO® A85 / A85t W85 / W85t

Highly Dynamic Temperature Control Systems for laboratory and industrial scale



Power & performance

- Extremely wide temperature range from -85 to +250 °C
- Cooling capacity up to 2.8 kW
- Heating capacity up to 15 kW
- Pump capacity up to 3.2 bar or 80 l/min

Ideal for professional temperature control solutions; e. g. jacketed reactors, reactor systems, mini plants, pilot plants, kilo labs, process technology, vacuum chambers, material and component testing, and more



PRESTO® A85 / A85t

JULABO	PRESTO A85	PRESTO A85t
JULABO order number	9 420 852	9 420 852.T
Working temperature range °C	-85 ... +250	-85 ... +250
Temperature stability °C	±0.05 ... ±0.1	±0.05 ... ±0.1
Setting / display resolution °C	±0.01	±0.01
Integrated programmer	8 x 60 steps	8 x 60 steps
Temperature display	5.7" TFT Touchscreen	5.7" TFT Touchscreen
Heating capacity kW	6 @ 400V; 6 @ 230V; 5.5 @ 208V	15 @ 400V / 15 @ 230V / 12.5 @ 208V
Cooling capacity °C (Bath fluid Thermal HL60 / Ethanol) kW	200 / 20 0 -20 -40 -60 -80 2.8 / 2.5 2.4 2.4 2.4 2.2 0.4	200 / 20 0 -20 -40 -60 -80 2.8 / 2.5 2.4 2.4 2.4 2.2 0.4
Pump capacity flow rate l/min	35... 80	35... 80
Pump capacity pressure bar	0.48 ... 3.2 @ 400V; 0.48 ... 3.2 @ 230V; 0.48 ... 3.0 @ 208V	0.48 ... 3.2 @ 400V; 0.48 ... 3.2 @ 230V; 0.48 ... 3.0 @ 208V
Pump connections	M30 x 1.5	M30 x 1.5
Refrigerant	R507 / R23	R507 / R23
Pt100 external sensor connection	Included	Included
Digital interfaces	RS232, RS485, Optional Profibus, SD memory card, USB, Ethernet, Modbus	RS232, RS485, Optional Profibus, SD memory card, USB, Ethernet, Modbus
Analog inputs/outputs	Optional	Optional
Cooling of compressor	Dual stage, air-cooled	Dual stage, air-cooled
Process volume min. liters (active heat exchanger volume)	9.5 (5)	9.5 (5)
Internal usable expansion volume liters	7	7
Classification acc. to DIN 12876-1	Class III (FL)	Class III (FL)
Viscosity max. cSt.	50	50
Permissible ambient temperature °C	5 ... 40	5 ... 40
Cooling water connection	-	-
Dimensions W x L x H cm	61 x 108 x 125	61 x 108 x 125
Weight kg	365	365

Available voltage versions

JULABO order number	9 420 852.07	9 420 852.06	9 420 852.16	9 420 852.07.T	9 420 852.06.T	9 420 852.16.T
Nominal voltage V / Hz	3 x 400 / 50 ±10 %	3 x 230 / 50 ±10 %	3 x 208-230 / 60 ±5 %	3 x 400 / 50 ±10 %	3 x 230 / 50 ±10 %	3 x 208-230 / 60 ±5 %
Nominal current A	18	30	30 A @ 208 V / 33 A @ 230 V	31	52	52 A @ 208 V / 55 A @ 230 V
Plug	32A CEE plug	63A CEE plug	Without plug	32A CEE plug	64A CEE plug	Without plug

All data refers to the nominal voltage and nominal frequency and ambient temperature of +20 °C. Cooling capacity measured at max. pump stage.
All pump data refers to a bath fluid with a specific density of 1 kg/dm³.



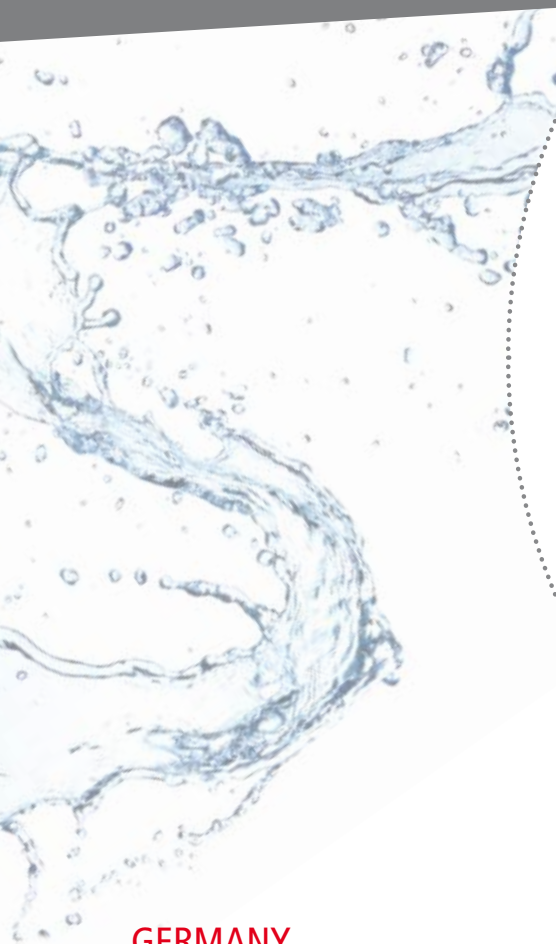
PRESTO® W85 / W85t

JULABO	PRESTO W85	PRESTO W85t
JULABO order number	9 421 852	9 421 852.T
Working temperature range °C	-85 ... +250	-85 ... +250
Temperature stability °C	±0.05 ... ±0.1	±0.05 ... ±0.1
Setting / display resolution °C	±0.01	±0.01
Integrated programmer	8 x 60 steps	8 x 60 steps
Temperature display	5.7" TFT Touchscreen	5.7" TFT Touchscreen
Heating capacity kW	6 @ 400V; 6 @ 230V; 5.5 @ 208V	15 @ 400V; 15 @ 230V; 12.5 @ 208V
Cooling capacity °C (Bath fluid Thermal HL60 / Ethanol) kW	200 / 20 0 -20 -40 -60 -80 2.8 / 2.5 2.4 2.4 2.4 2.2 0.4	200 / 20 0 -20 -40 -60 -80 2.8 / 2.5 2.4 2.4 2.4 2.2 0.4
Pump capacity flow rate l/min	35... 80	35... 80
Pump capacity pressure bar	0.48 ... 3.2 @ 400V; 0.48 ... 3.2 @ 230V; 0.48 ... 3.0 @ 208V	0.48 ... 3.2 @ 400V; 0.48 ... 3.2 @ 230V; 0.48 ... 3.0 @ 208V
Pump connections	M30 x 1.5	M30 x 1.5
Refrigerant	R507 / R23	R507 / R23
Pt100 external sensor connection	Included	Included
Digital interfaces	RS232, RS485, Optional Profibus, SD memory card, USB, Ethernet, Modbus	RS232, RS485, Optional Profibus, SD memory card, USB, Ethernet, Modbus
Analog inputs/outputs	Optional	Optional
Cooling of compressor	Dual stage, water-cooled	Dual stage, water-cooled
Process volume min. liters (active heat exchanger volume)	9.5 (5)	9.5 (5)
Internal usable expansion volume liters	7	7
Classification acc. to DIN 12876-1	Class III (FL)	Class III (FL)
Viscosity max. cSt.	50	50
Permissible ambient temperature °C	5 ... 40	5 ... 40
Cooling water connection	G 3/4" with barbed fittings for tubing 1/2" ID	G 3/4" with barbed fittings for tubing 1/2" ID
Dimensions W x L x H cm	61 x 84.5 x 125	61 x 84.5 x 125
Weight kg	335	335

Available voltage versions

JULABO order number	9 421 852.07	9 421 852.06	9 421 852.16	9 421 852.07.T	9 421 852.06.T	9 421 852.16.T
Nominal voltage V / Hz	3 x 400 / 50 ±10 %	3 x 230 / 50 ±10 %	3 x 208-230 / 60 ±5 %	3 x 400 / 50 ±10 %	3 x 230 / 50 ±10 %	3 x 208-230 / 60 ±5 %
Nominal current A	18	30	30 A @ 208 V / 33 A @ 230 V	31	52	52 A @ 208 V / 55 A @ 230 V
Plug	32A CEE plug	63A CEE plug	Without plug	32A CEE plug	63A CEE plug	Without plug

All data refers to the nominal voltage and nominal frequency and ambient temperature of +20 °C. Cooling capacity measured at max. pump stage.
 All pump data refers to a bath fluid with a specific density of 1 kg/dm³.



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