



LLS QUICK VIEW · YAMATO SCIENTIFIC

Benchtop Water Circulator (Chiller) 3.4 L, 220V

SKU CB-100-220V · Cold Storage · Chillers

The Yamato CB-100-220V is the 220V version of Yamato's compact benchtop water circulator (chiller), holding a setpoint to $\pm 0.1^\circ\text{C}$ across a wide -10



TECHNICAL SPECIFICATIONS

TEMP RANGE

-10°C to 80°C

BASE MODEL

Yamato CB-100

CIRCULATION PUMP

Induction motor, 40 W

TEMPERATURE SENSOR / DISPLAY

Pt100 Ω ; 7-segment 3-digit white LED, resolution 0.1°C

POWER SOURCE

220V single phase (base brochure rates AC115V 13A...)

WATER BATH CAPACITY

~ 3.4 L (liquid volume 2.3 L)

SYSTEM / CIRCULATING WATER

Closed circulation / tap water (anti-freeze solution for...)

TEMPERATURE CONTROL ACCURACY

$\pm 0.1^\circ\text{C}$

WEIGHT

~ 22 kg

MAX. FLOW RATE

8 L/min

COOLING CAPACITY

~ 230 W (liquid temp. 10°C)

MAX. HEAD

4.7 m

COOLING PIPE / BATH

SUS304

REFRIGERATOR / REFRIGERANT

Air-cooling / 100 W / R134a (GWP 1430)

TEMPERATURE CONTROL SYSTEM

Refrigerator control + heater PID (-10 to 50°C ...)

OPERATING AMBIENT TEMPERATURE

5 to 30°C

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