



# Specifications and Preinstallation Requirements

## SPECIFICATIONS

*Only values with tolerances or limits are guaranteed data. Values without tolerances are informative data, without guarantee.*

## CONTROL FEATURES

### Speed

Setting range .....	100 to 25 000 rpm in 100-rpm increments below 10 000 rpm; in 500-rpm increments above 10 000 rpm or equivalent rcf (in 100 × g increments)
Elutriation speed setting range.....	0 to 6 000 rpm in 10-rpm or 10 × g increments
Speed display .....	from 0 to 10 000 rpm, indicates actual rotor speed ±10 rpm from 10 000 to 25 000 rpm, indicates actual rotor speed ± 0.1%, or equivalent rcf

### Time

Setting range .....	to 180 min or continuous (hold)
Time display.....	indicates run time remaining (timed run) or elapsed time (hold run)

### Temperature

Setting range .....	-20 to +40°C (in 1°C increments)
Rotor temperature .....	±2°C of set temperature (after equilibration)
Ambient temperature range .....	16 to 38°C (60 to 100°F)
Cooling fluid .....	Refrigerant 404A (HFC)

Acceleration .....	maximum or slow
Deceleration .....	maximum, slow, or off



## OPERATIONAL FEATURES

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Door	8.2-cm (3.75-in.) thick structural foam with steel plate
Rotor chamber diameter	40.6 cm (16 in.)
Friction Reduction System (FRS)	A mechanical rotary vane pump reduces chamber pressure to one-quarter atmosphere (190 mm [7.5 in.] Hg)

## PHYSICAL DATA

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Width	71 cm (28 in.)
Depth	86 cm (34 in.)
Depth (including air diverter extending from back panel)	102 cm (40.25 in.)
Height, door closed	86 cm (34 in.)
Height to top of control head	116 cm (45.5 in.)
Height to top of open door	141 cm (55.5 in.)
Weight	264 kg (583 lb)
Clearances (for adequate ventilation)	
Sides	7.6 cm (3 in.)
Back (place air diverter against the wall)	16 cm (6.25 in.)
Surface finish	polyester control panel with polycarbonate coating overlay; polyurethane enamel on door and covers; vinyl paint on other surfaces
Maximum heat dissipation into room under steady-state conditions	7500 Btu/h (2.0 kW/hr)
Humidity restrictions	<95% (noncondensing)
Noise level 0.91 m (3 ft) in front of instrument at 25 000 rpm	57 dBa

## PREINSTALLATION REQUIREMENTS

*Do not attempt to install this instrument. Its purchase price includes installation by Beckman personnel. Installation by anyone other than an authorized Beckman representative invalidates any warranty covering the instrument.*

Preinstallation requirements have been sent prior to shipment of the instrument. The following information is provided in case the centrifuge must be relocated.