

J6-MI and Avanti J-HC

The capacity to impress.



Brilliance
at every turn.



J6-MI

It spins volumes.

With six-liter capacity and an innovative range of rotors, carriers, and adapters, this centrifuge can handle multiple high-capacity applications. Ideal for bioprocessing, clinical and blood sample preparation, the J6-MI is the standard for quiet and convenient operation.

Its self-balancing rotor system corrects for imbalances during a run, without shutdown. Its microprocessor-controlled induction motor provides high torque, fast acceleration, and long motor life. And the J6-MI generates speeds and forces up to 6,000 rpm and 6,840 × g.

Avanti J-HC

Process more, in less time.

The Avanti J-HC is your complete solution for batch bioprocessing. Its capacity enables you to process up to nine liters spun at 5,000 rpm and 7,480 × g or 36 liters per hour when harvesting bacteria. And its selection of large-volume swinging bucket and fixed-angle rotors helps accommodate a wide range of processing applications.

Avanti J-HC labware is part of a BioSafety* system that facilitates rapid harvesting of samples. Your samples can be spun directly in our exclusive HarvestLine system liners, which eliminate time-consuming scraping of samples from labware and allow sealing and storing for future use.

SPECIFICATIONS

Maximum Speed/g-Force

Maximum Capacity

Speed Control

Set Temperature

Temperature Control

Ambient Operating Range

Accel/Decel Profiles

Heat Output

Drive Type/Cooling

Refrigeration

Sound Level

Dimensions

Weight

J6-MI

6,000 rpm/6,840 × g

6 Liters

±20 rpm of set speed

-20° C to 40° C in 1° increments

±2° C of set temperature after equilibration

16° C to 38° C

9/9

<7000 BTU/hr (1.9 kW)

Ultra-smooth inductive drive motor, indirect drive system

Non-CFC, non-ozone depleting refrigerant

<59 dBa (0.91 m/3 ft from instrument at maximum speed)

71W x 84D x 91H cm
(28W x 33D x 36H in)

252 kg (555 lb)

Avanti J-HC

10,000 rpm/17,700 × g

9 Liters

±25 rpm of set speed

-10° C to 40° C in 1° increments

±2° C of set temperature after equilibration

15° C to 40° C**

2/3

<6900 BTU/hr (2.0 kW)

SR† drive/Air-cooled

Non-CFC, non-ozone depleting refrigerant

≤60 dBa (0.91 m/3 ft from instrument at maximum speed)

71W x 86D x 86H cm
(28W x 34D x 34H in)

300 kg (660 lb)

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

*BioSafe and BioSafety are terms intended to describe the enhanced biocontainment features of our products.

**Ambient temperature range for 50 Hz centrifuges running the JLA-8.1000 rotor—15° C to 38° C.

†SR drives are manufactured by Beckman Coulter with technology licensed from Switched Reluctance Drives Limited.

ORDERING INFORMATION

CENTRIFUGE MODELS

Model	Part No.	Description
Avanti J-HC	367501	200/208/240V, 50/60 Hz
Avanti J-HC	367502	230V, 50 Hz
Avanti J-HC	367503	220V, 50 Hz, 3-phase
J6-MI	360291	208V, 60 Hz
J6-MI	360292	240V, 60 Hz
J6-MI	360293	220V, 50 Hz

FIXED-ANGLE ROTORS

	Model	Rotor Type	Part No.	Max Speed (rpm)	Max RCF, x g	k Factor	No. Tubes x Volume (mL)	Max Tube Size (mm)	Rotor Capacity
	J-HC	JA-10	334833	10,000	17,700	3,610	6x500	69x160	3 L
BIO	J-HC	JLA-8.1000	363688	8,000	15,970	2,500	6x1000	95x191	6 L
	J6-MI	JA-10	334833	6,000	6,370	10,027	6x500	69x160	3 L
BIO	J6-MI	JA-14	339247	6,000	5,520	9,608	6x250	62x120	1.5 L
BIO	J6-MI	JA-20.1	342095	6,000	5,440	4,124	32x15	18x99	480 mL
BIO	J6-MI	JA-18	369679	6,000	5,320	5,095	10x100	38x102	1 L
BIO	J6-MI	JA-17	369691	6,000	4,960	5,536	14x50	29x104	700 mL
	J6-MI	JA-18.1	347824	6,000	4,680	1,405	24x1.8	11x38	43.2 mL
BIO	J6-MI	JA-20	334831	6,000	4,360	8,559	8x50	29x104	400 mL
	J6-MI	JA-21	334845	6,000	4,110	5,762	18x10	16x80	180 mL

SWINGING BUCKET ROTORS

	Model	Rotor Type	Part No.	Max Speed (rpm)	Max RCF, x g	k Factor	No. Tubes x Volume (mL)	Max Tube Size (mm)	Rotor Capacity
	J-HC	JS-5.0	368968	5,000	7,480	9,171	4x2.25 L	—	9 L
BIO	J6-MI	JS-5.2**	339087	5,200	6,840	9,051	4x1 L 12 Microplates	97x167	4 L
	J6-MI	JS-7.5	336380	6,000	6,650	8,264	4x250	62x136	1 L
	J6-MI	JS-13.1	346963	6,000	5,640	8,650	6x50	29x104	300 mL
BIO	J-HC & J6-MI	JS-4.2	339080	4,200	5,020	11,504	6x1 L 18 Microplates	97x167	6 L
BIO	J6-MI	JS-4.2A	366695	4,200	5,020	11,504	6x1 L 18 Microplates	97x167	6 L
	J6-MI	JS-4.2SM	348394	4,200	4,900	10,911	—	97x167	6 L
	J6-MI	JS-4.2SMA	366670	4,200	4,900	10,911	—	97x167	6 L
BIO	J6-MI	JS-4.0	339086	4,000	4,040	15,334	4x1 L 12 Microplates	97x167	4 L
BIO	J6-MI	JS-3.0	339081	3,000	2,560	22,548	6x1 L 18 Microplates	97x167	6 L

SPECIAL APPLICATION

Model	Rotor Type	Part No.	Max Speed (rpm)	Max RCF, x g	k Factor	Max Volume	Elutriation Boundary
J6-MI	JE-5.0	356900	5,000	2,410	13,242	40 mL	86 mm (2,410 g)
J6-MI	JCF-Z	335140 (standard core)	6,000	—	3,918	660 mL	—
J6-MI	JCF-Z	357544 (small pellet core)	6,000	—	3,918	240 mL	—
J6-MI	JCF-Z	357521 (large pellet core)	6,000	—	3,918	1,250 mL	—

BIO BioCertified is a term used to describe our products which have been tested and validated to demonstrate containment of microbiological aerosols by an independent, third-party facility (Health Protection Agency, Porton Down, UK or USAMRIID, Ft. Detrick, MD, USA). Improper use or maintenance may affect seal integrity and, thus, containment.

**Rotor is BioCertified when used in conjunction with part number 343686 (BioSafe Bucket Covers).



J6-MI and Avanti J-HC

Revolutionize your process.

Beckman Coulter helps create the world's most productive and efficient laboratories by providing the finest centrifuges available. Finest, and most accommodating. Because we believe life-altering research should not be confined by the size of a lab, or the size of its throughput.

With the Avanti Series, we've set an all-new standard for enhanced performance and flexibility. Limits are now a thing of the past. In the footsteps of our founder, Beckman Coulter remains dedicated to your resourcefulness.

Service and Support

When you invest in Beckman Coulter instruments, you're backed by an incomparable support organization. In North America, our 24/7 customer support center directs a team of engineers with extensive product knowledge who have the power to solve your problems quickly and efficiently. And no matter where you are in the world, as a Beckman Coulter customer you have access to experienced, courteous service. Because when your issues are taken care of, you can return your attention to critical tasks.



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