

# 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
<b>BIO</b>	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
<b>BIO</b>	J6-MI	JA-14	339247	6,000	5,520	9,608	6x250	62x120	1.5 L
<b>BIO</b>	J6-MI	JA-20.1	342095	6,000	5,440	4,124	32x15	18x99	480 mL
<b>BIO</b>	J6-MI	JA-18	369679	6,000	5,320	5,095	10x100	38x102	1 L
<b>BIO</b>	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
<b>BIO</b>	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
<b>BIO</b>	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
<b>BIO</b>	J-HC & J6-MI	JS-4.2	339080	4,200	5,020	11,504	6x1 L 18 Microplates	97x167	6 L
<b>BIO</b>	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
<b>BIO</b>	J6-MI	JS-4.0	339086	4,000	4,040	15,334	4x1 L 12 Microplates	97x167	4 L
<b>BIO</b>	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.

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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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