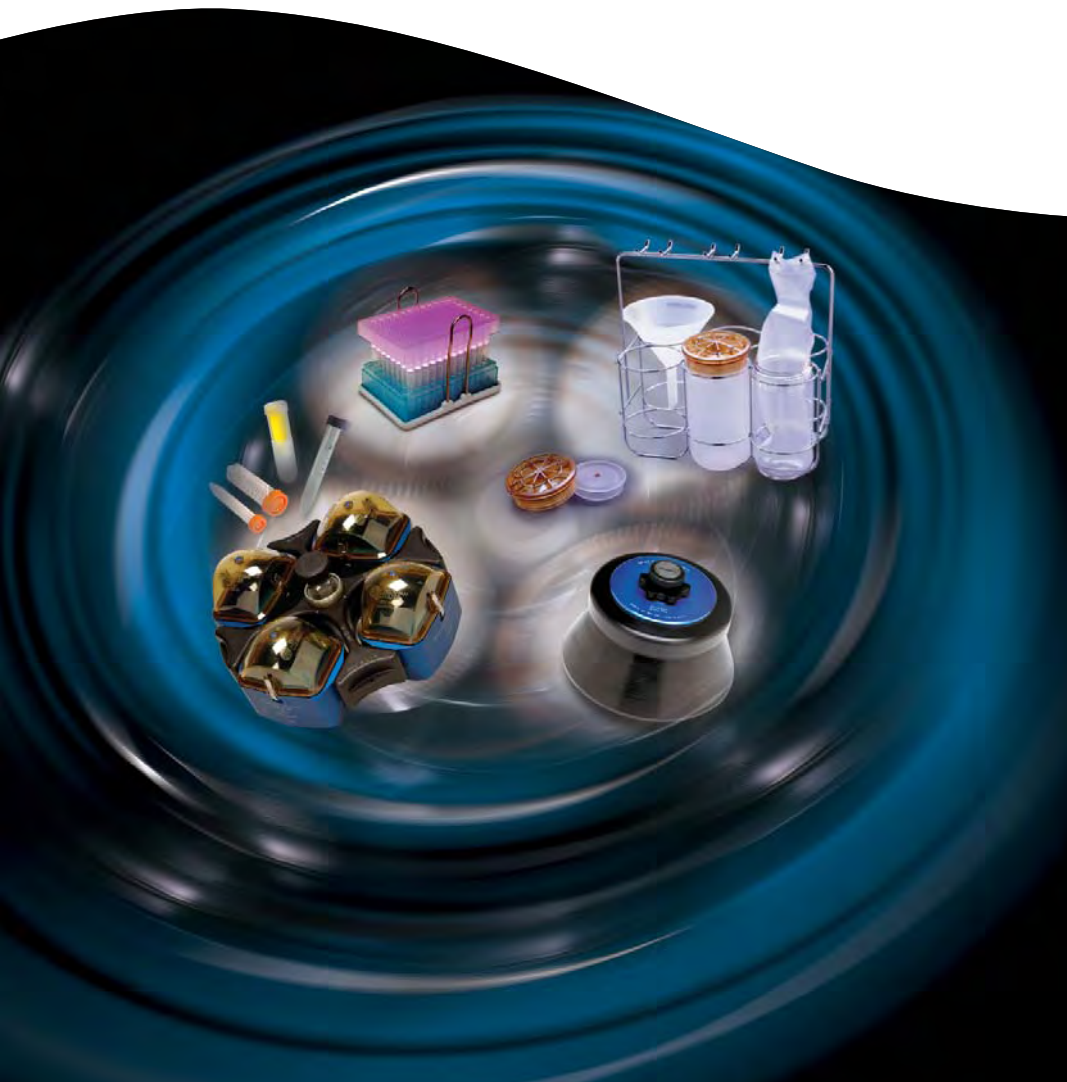




*A name you can trust for
dependability and value*

AVANTI® J SERIES
CENTRIFUGE SYSTEMS



A name you can trust for

THE AVANTI® ADVANTAGE

The Avanti series is designed, developed, produced and supported by Beckman Coulter, a company with more than 50 years of continuous excellence and leadership in centrifugation.

Building on this great history, the Avanti delivers dependability and value as the most productive and versatile high-performance centrifuge system with market-leading innovations that include:

- BioSafe systems
- High-torque drive design
- Lightweight rotors
- Ergonomic functionality
- Energy efficiency

Avanti —

A name you can trust for dependability and value.

APPLICATION VERSATILITY

The Avanti Series High-Performance Centrifuge system is an incredibly powerful and versatile tool for a wide range of separations. Whether you need high-throughput bioprocessing of up to 9 liters in a single run, fast microplate-based sample preparation, or high g-force purification of subcellular particles, the Avanti is the best solution. In fact, with its versatility, the Avanti can replace two or more older centrifuges.



SHORTER RUN TIMES — WITH HIGH-TORQUE SWITCHED RELUCTANCE (SR)[†] DRIVE

- Less waiting with fast accel and decel rates
- Imbalance tolerant drive allows eye-balancing of tubes
- Zero maintenance, brushless, SR drive technology

COMPLETE BioSafe® SYSTEMS FOR LABORATORY SAFETY



- Full line of BioSafe labware for any application
- Certified BioSafe rotors ensure containment of liquids and aerosols
- BioSafe centrifuges with HEPA filtration prevent infectious materials from being expelled into the lab environment

*Validation of microbiological containment was done at an independent, third-party testing facility, Health Protection Agency, Porton Down. Improper use or maintenance may affect seal integrity and, thus, containment.

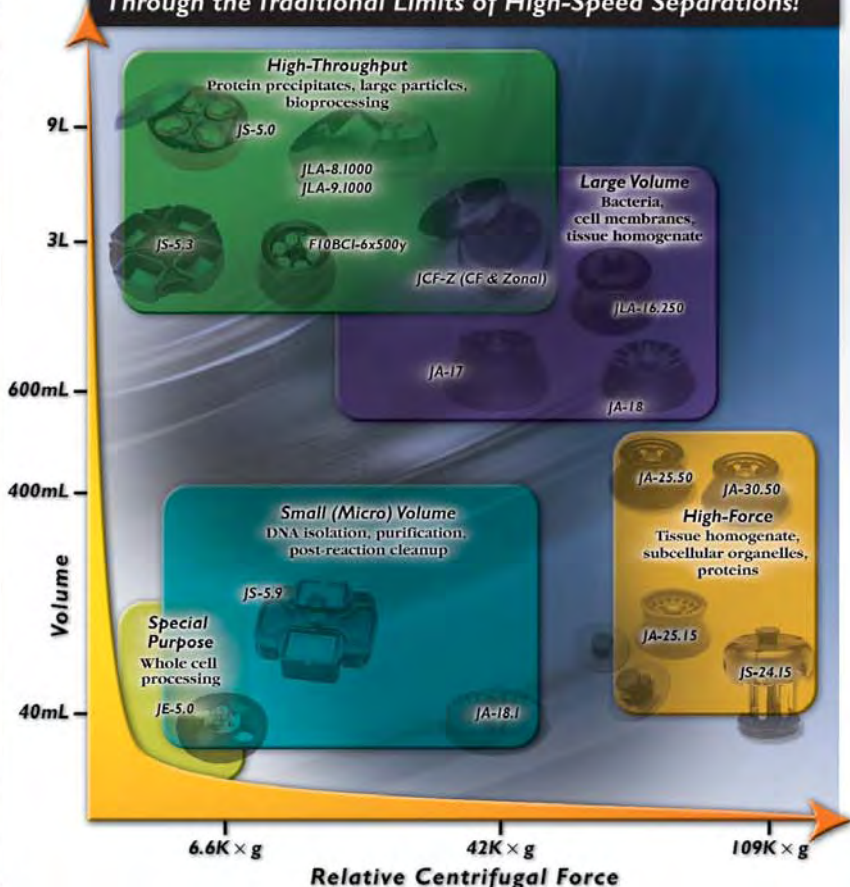
BioSafety

LARGER VOLUMES & GREATER SEPARATION FORCES WITH "SMART FRS" (FRICTION REDUCTION SYSTEM)

- Zero-maintenance partial vacuum system reduces demand on refrigeration system and drive for quieter, more economical operation
- FRS delivers higher rotor speeds, faster acceleration, and more precise temperature control
- FRS reduces laboratory air conditioning requirements, due to reduced heat output

dependability and value

Beckman Coulter's High-Performance Rotor Systems Break Through the Traditional Limits of High-Speed Separations!





AVANTI® J-30i

*Ultracentrifuge power from
a High-Performance system*

AVANTI® J-26 XP/XPi

*The only High-Performance Centrifuge
your lab may ever need*

AVANTI® J-E

*The economical performer that
fits right in your lab*

AVANTI® J-25/J25i

*Higher productivity than any other
conventional High-Speed Centrifuge*

The Avanti® J Series is an important part of a broad spectrum of centrifuges — including High Performance, Ultracentrifuge and Benchtop — for a complete range of applications, including biosafety. As the global leader in centrifugation, Beckman Coulter designs and manufactures centrifuge systems offering rotors, adapters, bottles, microplate carriers, tubes, accessories and software that increase your productivity.

* BioSafe is a term intended to describe the enhanced biosafety features of Beckman Coulter products.
Validation of microbiological containment was done at an independent, third-party testing facility, Health Protection Agency, Porton Down. Improper use or maintenance may affect seal integrity and, thus, containment.

** Online technical support available in North America

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

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AVANTI® J-E CENTRIFUGE

The economical performer that fits right in your lab

DS-9981A

SPACE CONSCIOUS

Knowing space is at a premium, we gave the Avanti J-E a small footprint, allowing you the freedom to place it right in your lab, so it's where you need it, when you need it.

SAFETY MINDED

Each rotor is automatically identified at low speed to ensure that each run is 100% safe. Even if the operator inputs incorrect run parameters, the Avanti J-E will check and reset itself and complete the run safely.

QUICK WORKER

*Avanti J-E's low height and contoured front panel help ease the burden of rotor installation and retrieval. And with exclusive high-torque, switched reluctance (SR)** drive technology, fast acceleration and deceleration mean quicker separations and less waiting.*

KEEPS ITS COOL

Avanti J-E uses a Friction Reduction System (FRS) to reduce heat generation, which means better sample cooling, a cooler lab, quieter operation, and greatly reduced energy usage. FRS uses a zero-maintenance partial vacuum system that increases overall reliability and saves you money.

READY FOR ANYTHING

Avanti J-E's extensive rotor library maximizes capacity and optimizes g-force for efficient, fast separations. The library includes: The AllSpin rotor for microplates and general purpose separations; lightweight, high-capacity 4-liter capability, and a complete range of BioSafe certified rotors.*

*BioSafe is a term intended to describe the enhanced biosafety features of Beckman Coulter products.

Validation of microbiological containment was done at an independent, third-party testing facility, Health Protection Agency, Porton Down. Improper use or maintenance may affect seal integrity and, thus, containment

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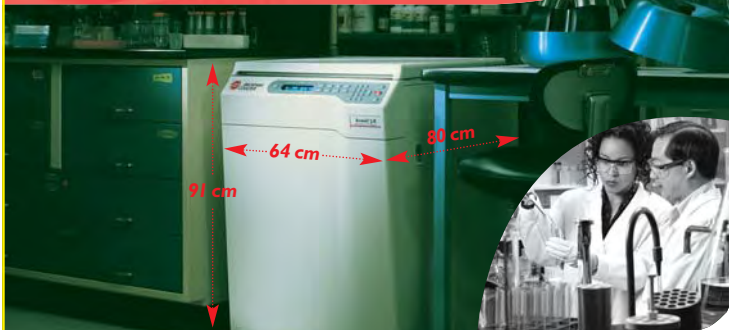
Ordering Information

	PART NO.	DESCRIPTION		PART NO.	DESCRIPTION
Avanti J-E	369001	50/60 Hz, 200/208/240V		969352	60 Hz, 208/240V
	369003	50 Hz, 230V		A20698	50 Hz, 230V
	369005	50/60 Hz, 200V		A20699	50/60 Hz, 200V

Specifications

Maximum Speed (rpm)	21,000
Maximum Force (x g)	53,300
Accel/Decel Rates	2/3
Set Temp Range (1° increments)	-10 to 40°C
Temp Control	± 2° of set temperature
Speed Control	± 50 rpm of set speed
Ambient Temp Range	15° to 35°C
Drive Type / Cooling	SR Drive / Air Cooled
Refrigeration System	Non-CFC, non-ozone depleting refrigerant
Power Usage / Heat Output	2.0 kW / 6900 Btu/hr
Dimensions H x D x W	91.4 cm (with door closed) x 80 cm x 63.5 cm (36 in x 31.5 in x 25 in)
Weight	267.5 kg (589 lb)

Why waste time traveling to and from a remote instrument room? Avanti J-E's small footprint and energy-efficient operation complement you and your workspace. But don't let Avanti J-E's diminutive size mislead you. This high-performance system delivers all the capability and versatility you need to run a wide variety of applications.



Designed for simplicity

- Touch-pad positioned on front panel for convenience
- Select rotor by name, not arcane number code
- Durable, spill-resistant coating
- Run in g-force or rpm mode
- Intuitive programming for repetitive runs



Ideally suited for high-force, high-throughput applications using microplates and a wide variety of other labware, the JS-5.3 AllSpin rotor is unbeatable for protein, genetic and cellular applications.

In addition, the Avanti J-E runs a full complement of fixed-angle and swinging-bucket rotors for your application needs.



[†] Plates available from outside manufacturers. All trademarks are the property of their respective owners.

^{††} PCR is licensed under US patent numbers 4,683,202, 4,683,195, 4,965,188 and 5,075,216 or their foreign counterparts owned by Hoffman-La Roche and F. Hoffman-La Roche Ltd.

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AVANTI® J-25 SERIES

Higher productivity than any other conventional high-speed centrifuge

- Bioprocessing with 4 liters a run — up to 24 liters an hour
- Less waiting and quicker separations with fast accel/decel rates
- High-force microplate applications and up to 10 microplates in a single run
- Ease of use due to advanced ergonomic design
- Rotor and sample safety is assured with Automatic Rotor Identification

Ordering Information

	PART No.	DESCRIPTION
Avanti J-25	363102	50/60 Hz, 200/208/240V
	363104	50 Hz, 230V
	363105	50 Hz, 220V, 3-phase
Avanti J-25I	363106	50/60 Hz, 200/208/240V
	363108	50 Hz, 230V
	363109	50 Hz, 220V, 3-phase



Specifications

	J-25	J-25I
Maximum Speed/ <i>g</i> -Force	25,000 rpm/75,600 x <i>g</i>	25,000 rpm/75,600 x <i>g</i>
Accel/Decel Rates	2/3	12/13
Set Temp Range (1° increments)	-10 to 40°C	-10 to 40°C
Temp Control	± 2° of set temperature	± 2° of set temperature
Speed Control	± 10 rpm of set speed or 0.1%, whichever is greater	± 10 rpm of set speed or 0.1%, whichever is greater
Ambient Temp Range	16° to 38°C	16° to 38°C
Drive Type / Cooling	SR Drive / Air Cooled	SR Drive / Air Cooled
Refrigeration System	Non-CFC, non-ozone depleting refrigerant	Non-CFC, non-ozone depleting refrigerant
Power Usage / Heat Output	2.0 kW / 6900 Btu/hr	2.0 kW / 6900 Btu/hr
Sound Level	<57 dBa (0.91 m/3 ft from instrument at maximum speed)	<57 dBa (0.91/3 ft from instrument at maximum speed)
Dimensions H x D x W	86 cm (with door closed) x 86 cm x 71 cm (34 in x 34 in x 28 in)	86 cm (with door closed) x 86 cm x 71 cm (34 in x 34 in x 28 in)
Weight	264 kg (583 lb)	264 kg (583 lb)

ERGONOMIC DESIGN

- Lower worksurface height for easier installation and unloading of rotors
- Footpedal for hands-free door operation
- Door swings up and out of the way for easy access to the rotor chamber
- Large digital read-outs make operation simpler



TRADITIONAL CONTROL PANEL

- Tactile knobs
- Large digital readout
- 2 accel/3 decel



DIGITAL INTERFACE

- View set and actual run conditions simultaneously
- Select rotor by name, not by arcane number code
- 12 accel/13 decel rates
- Delay start
- Run times to 99:59, Hold, and w^2t
- Fully compatible with SpinTrace™ II



AUTOMATIC ROTOR IDENTIFICATION

- Dynamic Rotor Inertia Check — means no rotor can be run above its rated speed
- Temperature control is optimized based on the automatically identified rotor — no more too cold or too warm samples

*SR Drives are manufactured by Beckman Coulter with technology licensed from Switched Reluctance Drives Limited

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AVANTI® J-26 XP SERIES

The only High-Performance Centrifuge your lab may ever need

DS-9980A

BEST IN CLASS

The Avanti J-26 XP Series enables such a vast range of separations that it is capable of replacing the work of two or three older instruments. A single J-26 XP can process 6 liters of fermentor output in less than 10 minutes, deliver a subcellular fraction at 82,000 x g, run 24 microplates at a time, and separate live cell populations with elutriation.

WORKS FAST

*Using the high-torque, switched reluctance (SR)** drive technology, the Avanti J-26 XP Series shortens cycle times and eliminates waiting for your sample at the end of the run. Plus with its Friction Reduction System (FRS), the Avanti J-26 XP Series runs quicker, quieter, cooler, and uses less energy than traditional centrifuges.*

WORKS SAFE

Multiple layers of engineered safety systems, such as a full containment barrier, Automatic Rotor Identification, and enhanced biosafety, means peace of mind for users and lab managers.

ALWAYS THERE FOR YOU

Although you might not be using all of its potential right away, as your research needs change, the Avanti J-26 XP Series will be ready. With an extensive library of 26 rotors, including lightweight carbon fiber designs, continuous flow and elutriation, and a full line of BioSafe rotors, the Avanti J-26 XP Series may be the only High Performance Centrifuge your lab will ever need.*



Ideally suited for high-force, high-throughput applications using microplates and a wide variety of other labware, the JS-5.3 AllSpin rotor is unbeatable for protein, genetic and cellular applications.



Delivering the most efficient separations and a full 6-liter capacity, the JLA-8.1000 can process up to 36 liters per hour, making it the most efficient 6-liter rotor available.



Subcellular fractionation separations are easily handled at up to 82,000 x g with the JA-30.50 Ti rotor.

ERGONOMIC DESIGN

- Lower worksurface height for easier installation and unloading of rotors
- Footpedal for hands-free door operation
- Door swings up and out of the way for easy access to the rotor chamber
- Large digital read-outs make operation simpler



TRADITIONAL CONTROL PANEL

- Tactile knobs
- Large digital readout
- 2 accel/3 decel



DIGITAL INTERFACE

- View set and actual run conditions simultaneously
- Select rotor by name, not by arcane number code
- 12 accel/13 decel rates
- Delay start
- Run times to 99:59, Hold, and w²t
- Fully compatible with SpinTrace™ II software



AUTOMATIC ROTOR IDENTIFICATION

- Dynamic Rotor Inertia Check — means no rotor can be run above its rated speed
- Temperature control is optimized based on the automatically identified rotor — no more too cold or too warm samples

Ordering Information

	PART NO.	DESCRIPTION		PART NO.	DESCRIPTION
Avanti J-26 XP	393124	50/60 Hz, 200/208/240V	BioSafe* Avanti J-26 XP	A25577	50/60 Hz, 200/208/240V
	393125	50 Hz, 230V		A25578	50 Hz, 230 V
	393126	50 Hz, 220V, 3-phase		A25579	50 Hz, 220V, 3-phase
Avanti J-26 XPI	393127	50/60 Hz, 200/208/240V	BioSafe Avanti J-26 XPI	A25574	50/60 Hz, 200/208/240V
	393128	50 Hz, 230V		A25575	50 Hz, 230V
	393129	50 Hz, 220V, 3-phase		A25576	50 Hz, 220V, 3-phase

Elutriation systems are available. Please contact your sales representative.

Specifications

	J-26 XP	J-26 XPI
Maximum Speed/g-Force	26,000 rpm/82,000 x g	26,000 rpm/82,000 x g
Accel/Decel Rates	2/3	12/13
Set Temp Range (1° increments)	-10 to 40°C	-10 to 40°C
Temp Control	± 2° of set temperature	± 2° of set temperature
Speed Control	± 10 rpm of set speed or 0.1%, whichever is greater	± 10 rpm of set speed or 0.1%, whichever is greater
Ambient Temp Range	16° to 38°C	16° to 38°C
Drive Type / Cooling	SR Drive / Air Cooled	SR Drive / Air Cooled
Refrigeration System	Non-CFC, non-ozone depleting refrigerant	Non-CFC, non-ozone depleting refrigerant
Power Usage / Heat Output	2.0 kW / 6900 Btu/hr	2.0 kW / 6900 Btu/hr
Sound Level	<57 dBA (0.91 m/3 ft from instrument at maximum speed)	<57 dBA (0.91 m/3 ft from instrument at maximum speed)
Dimensions H x D x W	86 cm (with door closed) x 86 cm x 71 cm (34 in x 34 in x 28 in)	86 cm (with door closed) x 86 cm x 71 cm (34 in x 34 in x 28 in)
Weight	290 kg (640 lb)	290 kg (640 lb)

*BioSafe is a term intended to describe the enhanced biosafety features of Beckman Coulter products.
Validation of microbiological containment was done at an independent, third-party testing facility, Health Protection Agency, Porton Down. Improper use or maintenance may affect seal integrity and, thus, containment.
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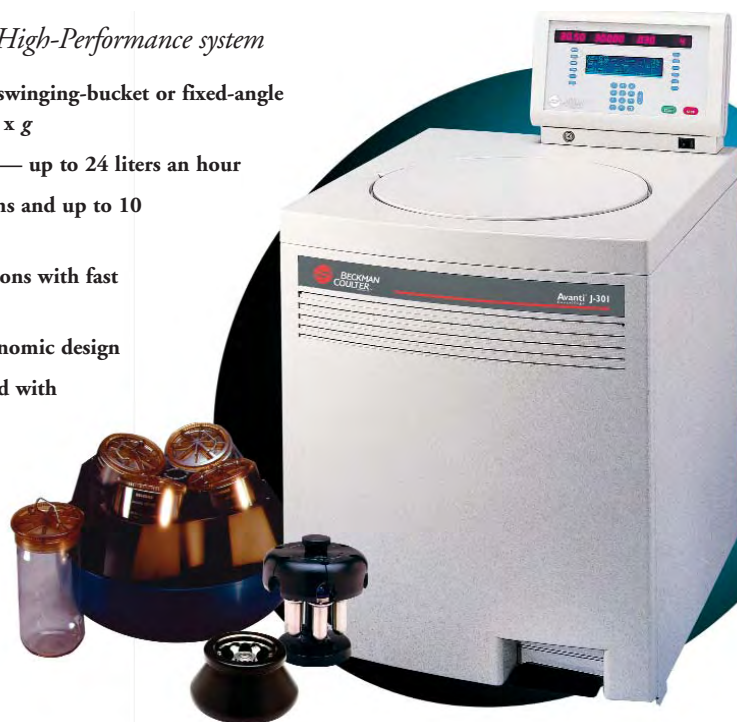
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AVANTI® J-30I

Ultracentrifuge power from a High-Performance system

- Subcellular separations in either swinging-bucket or fixed-angle rotors with g -forces over 100,000 $\times g$
- Bioprocessing with 4 liters a run — up to 24 liters an hour
- High-force microplate applications and up to 10 microplates in a single run
- Less waiting and quicker separations with fast accel/decel rates
- Ease of use due to advanced ergonomic design
- Rotor and sample safety is assured with Automatic Rotor Identification



Ordering Information

	PART NO.	DESCRIPTION		PART NO.	DESCRIPTION
Avanti J-30I	363118	50/60 Hz, 200/208/240V	BioSafe* Avanti J-30I	A20691	50/60 Hz, 200/208/240V
	363120	50 Hz, 230V		A20692	50 Hz, 230V
	363121	50 Hz, 220V, 3-phase		A20693	50 Hz, 220V, 3-phase

Specifications

Maximum Speed/ g -Force	30,000 rpm/110,500 $\times g$
Accel/Decel Rates	12/13
Set Temp Range (1° increments)	-20 to 40°C
Temp Control	$\pm 2^\circ$ of set temperature
Speed Control	± 10 rpm of set speed or 0.15%, whichever is greater
Ambient Temp Range	16° to 38°C
Drive Type / Cooling	SR** Drive / Air Cooled
Refrigeration System	Non-CFC, non-ozone depleting refrigerant
Power Usage / Heat Output	2.0 kW / 6900 Btu/hr
Sound Level	<57 dBA (0.91 m/3 ft from instrument at maximum speed)
Dimensions H x D x W	86 cm (with door closed) x 86 cm x 71 cm (34 in x 34 in x 28 in)
Weight	310 kg (680 lb)

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AVANTI® J-HC

A complete solution for batch bioprocessing

HIGH CAPACITY & HIGH g-FORCE

From process development and pilot production through manufacturing, the Avanti J-HC bioprocessing system offers the following:

- Spin 9 liters at 5,000 rpm and 7,480 x g for greater sample throughput
- Process up to 36 liters per hour when harvesting bacteria
- J-Wide labware is part of a biosafety system that facilitates rapid harvesting of samples
- HarvestLine System Liners eliminate time-consuming scraping of harvested samples which can be sealed and stored for future use
- SpinTrace™ II Network software with connectivity for up to 32 Avanti J instruments provides paperless documentation, data management and cGMP compliance
- Optional laser bar code scanner for accurate data logging
- Viewport strobing for instrument calibration and certification for regulatory agency compliance



Ordering Information

	PART NO.	DESCRIPTION
Avanti J-HC	367501	50/60 Hz, 200/208/240V
	367502	50 Hz, 230V
	367503	50 Hz, 220V, 3-phase

Specifications

Maximum Speed/g-Force	10,000 rpm/17,700 x g	Drive Type / Cooling	SR* Drive / Air Cooled
Accel/Decel Rates	2/3	Refrigeration System	Non-CFC, non-ozone depleting refrigerant
Set Temp Range (1° increments)	-10 to 40°C	Power Usage / Heat Output	2.0 kW / 6900 Btu/hr
Temp Control	± 2° of set temperature	Sound Level	≤60 dBa (0.91 m/3 ft from instrument at maximum speed)
Speed Control	± 10 rpm of set speed or 0.15%, whichever is greater	Dimensions H x D x W	86 cm (with door closed) x 86 cm x 71 cm (34 in x 34 in x 28 in)
Ambient Temp Range	15° to 40°C		
Weight	300 kg (660 lb)		

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HIGH-PERFORMANCE ROTORS[†]

Fixed-Angle Rotors

	ROTOR TYPE	PART No.	MAX SPEED (rpm)	MAX FORCE AT R MAX. (g)	g FACTOR	No. TUBES x VOLUME	MAX TUBE SIZE MM	ROTOR CAPACITY	J-26 XP SERIES	J-E	J-30I	J-25 SERIES	J-HC
	JA-30.50 Ti Dual-Locking Lid	363421 363420	30,000	108,860	280	8 x 50 mL	29 x 104	400 mL	•		•	•	
Biosafety	JA-25.50 Dual-Locking Lid	363055 363058	25,000	75,600	418	8 x 50 mL	29 x 105	400 mL	•	•	•	•	
Biosafety	JA-25.15 Dual-Locking Lid	363054 363050	25,000	74,200/60,200	265/380	24 x 15 mL	18 x 100	360 mL	•		•	•	
	JA-21	334845	21,000	50,400	470	18 x 10 mL	16 x 80	180 mL	•	•	•	•	
Biosafety	JA-20.1	342095	20,000	51,500/43,900	371/465	32 x 15 mL	18 x 100	480 mL	•	•	•	•	
Biosafety	JA-20	334831	20,000	48,400	770	8 x 50 mL	29 x 105	400 mL	•	•	•	•	
	JA-18.1	347824	18,000	42,100	156 [†]	24 x 1.8 mL	11 x 39	43.2 mL	•		•	•	
Biosafety	JA-18	369679	18,000	47,900	566	10 x 100 mL	38 x 102	1 liter	•	•	•	•	
Biosafety	JA-17	369691	17,000	39,800	690	14 x 50 mL	29 x 105	700 mL	•	•	•	•	
	JLA-16.250 Dual-Locking Lid	363934 363930	16,000	38,500	1,350	6 x 250 mL	62 x 120	1.5 liter	•	•	•	•	
Biosafety	JA-14	339247	14,000	30,100	1,764	6 x 250 mL	62 x 134	1.5 liters	•	•	•	•	
Biosafety	JA-12 Dual-Locking Lid	360993 360992	12,000	23,200	1,244	12 x 50 mL	30 x 103	600 mL	•	•	•	•	
	JA-10	369687	10,000	17,700	3,610	6 x 500 mL	69 x 160	3 liters	•	•	•	•	•
	F10BCI-6x500y	393033	10,000	17,700	3,417	6 x 500 mL	69 x 160	3 liters	•	•	•	•	
Biosafety	JLA-10.500	360830	10,000	18,500	2,850	6 x 500 mL	69 x 160	3 liters	•	•	•	•	
Biosafety	JLA-9.1000	366754	9,000	16,800	2,540	4 x 1,000 mL	95 x 191	4 liters	•	•	•	•	
Biosafety	JLA-8.1000	363688	8,000	15,900	2,500	6 x 1,000 mL	95 x 191	6 liters	•				•

Swinging-Bucket Rotors

	ROTOR TYPE	PART No.	MAX SPEED (rpm)	MAX FORCE AT R MAX. (g)	g FACTOR	No. TUBES x VOLUME	MAX TUBE SIZE MM	ROTOR CAPACITY	J-26 XP SERIES	J-E	J-30I	J-25 SERIES	J-HC
	JS-24.38 Bucket Set -38 mL	360743 362397	24,000	103,900	334	6 x 38.5 mL	25 x 89	231 mL	•		•	•	
	JS-24.15 Bucket Set -15 mL	362396 362398	24,000	110,500	376	6 x 15 mL	16 x 96	90 mL	•		•	•	
	JS-13.1	346963	13,000	26,500	1,841	6 x 50 mL	29 x 104	300 mL	•	•	•	•	
	JS-7.5	336380	7,500	10,400	5,287	4 x 250 mL	62 x 136	1 liter	•		•	•	
	JS-5.9	369331	5,900	6,570	NA	10 96-well plates		288 mL			•	•	
Biosafety	JS-5.3 AllSpin	368690	5,300	6,870	NA	4 x 500 mL		2 liters	•	•			
	JS-5.0	367820	5,000	7,480	9,171	4 buckets		9 liters					•
Biosafety	JS-4.3	362734	4,300	4,220	11,800	4 x 750 mL	96 x 130	3 liters	•				
Biosafety	JS-4.2	339080	4,200	5,020	11,500	6 x 1,000 mL	97 x 167	6 liters					•
Biosafety	JS-4.0	339086	4,000	4,050	15,300	4 x 1,000 mL	97 x 167	4 liters	•				

Special-Purpose Rotors

ROTOR TYPE	PART No.	MAX SPEED (rpm)	MAX g AT POINT OF ELUTRIATION	CHAMBER CAPACITY	SAMPLE CAPACITY	J-26 XP SERIES	J-E	J-30I	J-25 SERIES	J-HC
JE-6B Elutriator Rotor	347514	6,000	3,470	5.0 mL	up to 10 ¹⁰ cells			•	•	
JE-5.0 Elutriator Rotor	356900	5,000	4,700	5.0 or 40 mL	up to 10 ¹⁰ cells	•				
MAXIMUM FORCE										
ROTOR TYPE	PART No.	MAX SPEED (rpm)	At r MAX. g	ROTOR CAPACITY						
JCF-Z Continuous Flow	335140	20,000	39,900	400 mL in std. core		•		•	•	

[†] Maximum rotor speeds may differ between instrument models. For complete rotor specifications, available tubes, bottles and accessories and required parts, refer to BR-8102. BioSafe is a term intended to describe the enhanced biosafety features of Beckman Coulter products. Validation of microbiological containment was done at an independent, third-party testing facility, Health Protection Agency, Porton Down. Improper use or maintenance may affect seal integrity and, thus, containment.

ROTOR SELECTION BY APPLICATION*

APPLICATIONS FOR SELECTED ROTORS FOR USE IN AVANTI® J SERIES CENTRIFUGES

BIOSEPARATION	SPECIFIC APPLICATION	J5-5.3	J5-13.1	J5-24.38	JLA-8.1000	JA-10	F10BC1-6x500y	JLA-10.500	JA-12	JLA-16.250	JA-17	JA-18	JA-20	JA-21	JA-25.15	JA-25.50	JA-30.50
Proteins	Pelleting ammonium sulfate precipitation		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Sucrose/glycerol gradient		•	•		•	•	•	•	•	•	•	•	•	•	•	•
	Centrifugal filtration 1-50 ml	•		•					•	•				•	•	•	•
	Centrifugal filtration < 1.0 ml	•	•														
Subcellular Fractions				•							•	•	•	•	•	•	•
Chromatin/Nucleosomes	Sucrose gradient isolation												•	•	•	•	•
Microsomes	Pelleting			•							•	•	•	•	•	•	•
	Microsomal membrane fraction			•							•	•	•	•	•	•	•
Mitochondria	Pelleting			•								•	•	•	•	•	•
	Sucrose gradient isolation			•							•	•	•	•	•	•	•
Nucleic	Pelleting			•							•	•	•	•	•	•	•
Cell membranes	Pelleting			•							•	•	•	•	•	•	•
	Sucrose gradient isolation			•									•	•	•	•	•
	Binding studies	•	•	•							•	•	•	•	•	•	•
Ribosomes/Polysomes	Pelleting			•		•	•		•	•	•	•	•	•	•	•	•
	Sucrose gradient isolation			•									•	•	•	•	•
Cytosol	Clarification			•							•	•	•	•	•	•	•
Lysate/Tissue Homogenates	Clearing debris and large particles	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clearing Media	Clearing debris and large particles	•		•	•	•	•		•							•	•
Nucleic Acids	Pelleting alcohol precipitation		•	•		•	•	•	•	•	•	•	•	•	•	•	•
	Phenol/chloroform extraction	•	•	•													•
	Minipreps in 96-well plates	•															
	Spin columns	•															
Cells	Pelleting bacteria	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Pelleting mammalian cells	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Density gradient separation	•	•	•				•	•	•	•	•	•	•	•	•	•
Viruses	Pelleting			•									•	•	•	•	•
	PEG precipitates	•	•	•				•		•	•	•	•	•	•	•	•
	Density gradient isolation	•		•									•	•	•	•	•
Blood	Pelleting	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Plasma protein precipitation		•	•		•	•	•	•	•	•	•	•	•	•	•	•
	Blood component separation	•	•	•	•	•	•		•								
	Ficoll-Hypaque and other commercial reagents to isolate blood cells	•	•	•		•	•	•									

* Selected rotor has the capability (x g, volume, labware) to accommodate the application, but may not be the most optimal/efficient choice for the specific application

For additional information, please contact your local Beckman Coulter representative or visit our web site at:

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