

# Avanti JXN Series

A new level of freedom and high performance.



Brilliance  
*at every turn.*

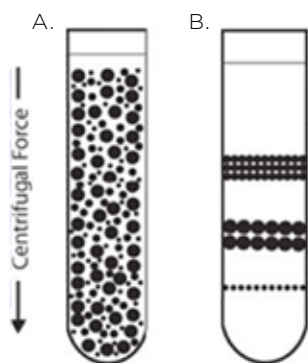
 **BECKMAN  
COULTER**

**Life Sciences**



**PERFORMANCE AT  
YOUR FINGERTIPS.**

# WORK FAST. WORK SAFE. WORK REMOTELY.



High RCF swinging bucket rotors for rate zonal separations.

Whatever your application, from simple pelleting to rate zonal separations, the Avanti JXN Series offers newfound momentum. Rely on the Avanti JXN-26 to boost your productivity, or reach speeds of up to 30,000 rpm with the Avanti JXN-30.

Flexibility reaches a whole new level with the MobileFuge remote application for Avanti centrifuges. Users can easily monitor and control centrifuge functions via computer, using Virtual Network Computing (VNC) software, or mobile device using the custom MobileFuge app available for Apple® iOS and Android™ devices. Whether you are across the lab or across the campus, you can always keep an eye on your centrifuge. Work has never been so flexible.

SPECIFICATIONS	JXN-26	JXN-30
Maximum Speed/g-Force	26,000 rpm/81,770 x g	30,000 rpm/110,500 x g
Maximum Capacity	6 Liters	4 Liters
Speed Control	1,000 to 10,000: ±10 rpm 10,001 to max: ±0.1%	1,000 to 10,000: ±10 rpm 10,001 to max: ±0.15%
Set Temperature	-10° C to 40° C in 1° increments	-20° to 40° C in 1° increments
Temperature Accuracy	±2° C of chamber temperature (after equilibration)	±2° C of chamber temperature (after equilibration)
Ambient Operating Range	16° C to 38° C	16° C to 38° C
Accel/Decel Profiles	11/12	11/12
Heat Output	5,120 Btu/hr (1.5 kW)	5,120 Btu/hr (1.5 kW)
Drive Type/Cooling	SR* drive/Air-Cooled	SR* drive/Air-Cooled
Refrigeration	Non-CFC, non-ozone depleting refrigerant	Non-CFC, non-ozone depleting refrigerant
Sound Level	<62 dBa (1 m in front of the instrument, 1.5 m above the floor)	<62 dBa (1 m in front of the instrument, 1.5 m above the floor)
Dimensions	71W x 86D x 86H cm (28W x 34D x 34H in)	71W x 86D x 86H cm (28W x 34D x 34H in)
Weight	290 kg (640 lb)	310 kg (680 lb)

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

# Avanti JXN Series

Speed up your workflow.

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## Ergonomic design

- Low work surface height for easier installation and unloading of rotors
- Foot pedal for hands-free door operation
- Door swings up and out of the way for easy access to the rotor chamber
- Large digital readouts make operation simpler

## Gain flexibility with MobileFuge

- Set and monitor run parameters and email diagnostic results
- Control and monitor the centrifuge from your Apple® iOS and Android™ device with MobileFuge
- Get alerts and diagnostics remotely

## Intuitive interface

- User-friendly, large LCD screen
- View set and actual run conditions simultaneously
- Select rotor by name, not by arcane number code
- 11 accel/12 decel rates
- Delay start
- Run times to 99:59, Hold, and  $\omega^{2t}$  integrator for applications that require exquisite reproducibility



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### Safe and sustainable

- Friction Reduction System (FRS) allows quicker, quieter, and cooler runs
- Uses less energy than traditional centrifuges
- BioSafe\* options
- Dynamic rotor inertia check
- High-torque, Switched Reluctance (SR) drive cycle shortens cycle times

### Advanced, easy-to-use data management

- Perfect for shared labs or GMP environments
- On-screen text sensitive “help” screen
- Up to 1,000 user-defined programs
- Set up and store numerous protocols
- Password protection for up to 50 unique user profiles
- Network multiple instruments
- Data logging and real-time run graphing

### Versatile across rotors and applications

- Compatible with an extensive library of rotors
- Fixed-angle and swinging bucket options available
- Fully compatible with lightweight J-Lite rotors
- Dynamic Rotor Inertia Check (DRIC) and rotor recognition provide redundant safety checks to assure no rotor can be run above its rated speed
- Temperature control is optimized ensuring sample quality and avoiding unwanted artifacts
- SW and FA rotors capable of greater than 100,000 x g



# Avanti JXN Series

Simply get results.

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High throughput and high productivity are standard fare for every Beckman Coulter centrifuge and the Avanti JXN Series is no exception. It's more than capable of delivering solutions for shared labs, GMP environments, networked instruments and more.

With the Avanti JXN Series centrifuges, you will not only manage your daily laboratory challenges, but get higher performance, better BioSafety,\* and advanced levels of networking. With the MobileFuge app, you can access modern data and user management, remote monitoring, control and error handling via networks, and mobile devices. Learn more about the Avanti JXN Series and other Beckman Coulter centrifuges at [beckmancoultercentrifugation.com](http://beckmancoultercentrifugation.com).

## Service You Can Count On

Your investment is protected with Beckman Coulter Life Sciences' service and support. Wherever you are in the world, Beckman Coulter delivers service, troubleshooting, and maintenance when you need it. Highly knowledgeable service professionals solve your problems quickly and efficiently—so you can focus on critical tasks.



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