

## AVANTI® J-26 XP SERIES

*The only high-performance centrifuge your lab may ever need*

### 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 81,800 x g, run 24 microplates at a time and separate live cell populations with elutriation.*

### WORKS FAST – ENERGY EFFICIENT

*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 significantly less energy than traditional centrifuges. Saves precious time and money.*

### WORKS SAFE

*The Avanti J-26 XP offers multiple layers of engineered safety systems, such as a full containment barrier, Automatic Rotor Identification and enhanced biosafety via FRS and available HEPA\*\* filtration. Provides 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 29 rotors, including lightweight carbon fiber designs, continuous flow and elutriation, and a full line of BioCertified\*\*\* rotors, the Avanti J-26 XP Series may be the only high-performance centrifuge your lab will ever need.*

*The exclusive JS-5.3 AllSpin Rotor processes the highest capacity of tubes, bottles and plates at high g-forces, in a BioCertified\*\*\* rotor which has been third-party tested to contain liquids and aerosols. The AllSpin Rotor is unbeatable for cellular, protein and genetic applications.*



*Delivering the most efficient separations and a full 6-liter capacity, the JLA-8.1000 BioCertified\*\* rotor 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 81,800 x g with the JA-30.50 Ti rotor.*



## ERGONOMIC DESIGN

- Lower worksurface 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 read-outs make operation simpler



## AVANTI J-26 XP TRADITIONAL CONTROL PANEL

- Tactile knobs
- Large digital readout
- 2 accel/3 decel
- Run times: up to 3:00 and Hold



## AUTOMATIC ROTOR IDENTIFICATION

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



## AVANTI J-26 XPI 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: up to 99:59, Hold, and  $w^2t$
- Fully compatible with SpinTrace™ II software

## Ordering Information

	PART NO.	DESCRIPTION		PART NO.	DESCRIPTION	
<i>Avanti J-26 XP</i>	393124	50/60 Hz, 200/208/240V		<i>BioSafe<sup>®</sup> Avanti J-26 XP</i>	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
<i>Avanti J-26 XPI</i>	393127	50/60 Hz, 200/208/240V		<i>BioSafe<sup>®</sup> Avanti J-26 XPI</i>	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
<i>Maximum Speed/g-Force</i>	26,000 rpm/81,800 x g	26,000 rpm/81,800 x g
<i>Accel/Decel Rates</i>	2/3	12/13
<i>Set Temp Range (1° increments)</i>	-10° to 40°C	-10° to 40°C
<i>Temp Control</i>	± 2° of set temperature	± 2° of set temperature
<i>Speed Control</i>	± 10 rpm of set speed or 0.1%, whichever is greater	± 10 rpm of set speed or 0.1%, whichever is greater
<i>Ambient Temp Range</i>	16° to 38°C	16° to 38°C
<i>Drive Type / Cooling</i>	SR Drive / Air Cooled	SR Drive / Air Cooled
<i>Refrigeration System</i>	Non-CFC, non-ozone depleting refrigerant	Non-CFC, non-ozone depleting refrigerant
<i>Power Usage / Heat Output</i>	2.0 kW / 6900 Btu/hr	2.0 kW / 6900 Btu/hr
<i>Sound Level</i>	<57 dBa (0.91 m/3 ft from instrument at maximum speed)	<57 dBa (0.91 m/3 ft from instrument at maximum speed)
<i>Dimensions H x D x W</i>	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)
<i>Weight</i>	290 kg (640 lb)	290 kg (640 lb)

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

\*\* High Efficiency Particle Arresting.

\*\*\* Validation of microbiological containment was done at an independent, third-party facility (CAMR, Porton Down, UK or USAMRIID, Ft. Detrick, MD, USA). Improper use or maintenance may affect seal integrity and, thus, containment.

† BioSafe and BioSafety are terms intended to indicate the enhanced biocontainment features of our products.

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

[www.beckmancoulter.com/centrifugefirst](http://www.beckmancoulter.com/centrifugefirst)

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