

Smart Notes

Enhanced energy savings
and sustainability



Q What technologies make it possible to reduce energy consumption and environmental impact with high performance floor model centrifuges?

A

Superspeed centrifuges are critical instruments in both basic research and bioprocessing applications and their continuous use can significantly contribute to the overall energy consumption of the lab.

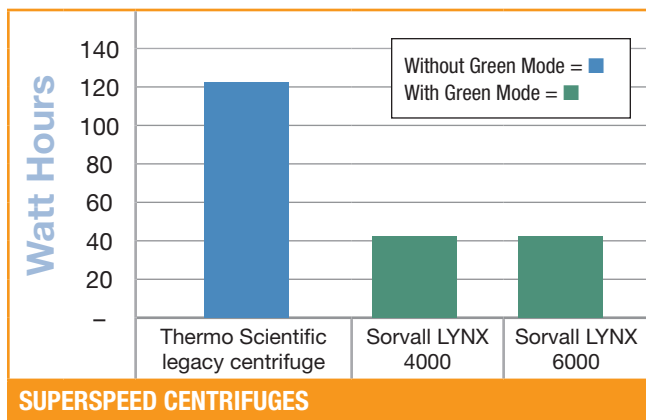
To manage energy and environmental impact in high-use environments, the Thermo Scientific™ Sorvall™ LYNX 4000 and LYNX 6000 superspeed centrifuges feature a Green Mode, enabling the centrifuge to sleep when not in use for more than two hours. With the Sorvall LYNX 6000 centrifuge, further energy savings are made possible with its Smart Vacuum feature. Additionally, these centrifuges comply with RoHS (Restriction of Hazardous Substances) and WEEE (Waste Electrical and Electronic Equipment) directives, and are packaged with environmentally-friendly materials.



Green Mode

When not in use for more than two hours, a Sorvall LYNX superspeed centrifuge can be set to sleep with the Green Mode. A simple touch on the control panel wakes the centrifuge for immediate use. During low-use periods, such as nights and weekends, this can save significant power – up to 64% when compared to our previous generation of Thermo Scientific superspeed centrifuges.

Energy Use Comparison With vs. Without Green Mode¹

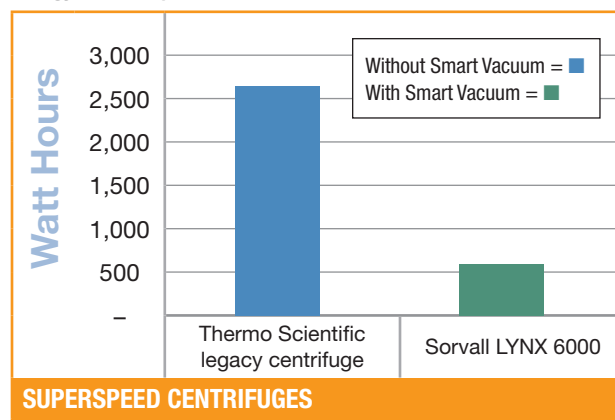


¹Comparison of energy use while centrifuge is idle.

Smart Vacuum

Smart Vacuum, available on the Sorvall LYNX 6000 centrifuge, removes up to 80% of the air inside the centrifuge chamber. As a result, air friction on the spinning rotor is greatly reduced, as is the power required to spin and cool the rotor by up to 74% when compared to identical run conditions on our previous generation of Thermo Scientific superspeed centrifuges.

Energy Use Comparison With vs. Without Smart Vacuum²



²Comparison of 6 x 1000 mL rotors run at 8,500 rpm, 4°C.

Eco-Friendly Product Packaging

Superspeed centrifuges are packaged with recycled corrugated carton and a biodegradable protective cover. Additionally, the fresh wood fiber used for transportation is produced on sustainable plantations where each tree cut down is replaced by two new plants, supporting forest ecosystem management.



Summary

In both high-use research and bioprocessing environments, Thermo Scientific Sorvall LYNX superspeed centrifuges provide substantial energy savings with Green Mode and Smart Vacuum options, as well as enhanced sustainability in an eco-friendly package.

▶ **Discover how you can simplify performance with energy savings and sustainability at www.thermofisher.com/lynxsuperspeed.**

thermofisher.com/centrifuges

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