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## *Thermo Scientific Sorvall ST 16 and ST 40 Centrifuge Series*

The Thermo Scientific Sorvall ST general purpose centrifuge series, providing industry-leading capacity and ergonomics at an exceptional value for everyday sample preparation – clinical protocols, cell culture applications, microplate processing and a variety of separation needs.

### Specifications

Specifications	Sorvall ST 16/16R	Sorvall ST 40/40R
<b>Swinging Bucket Rotors</b>		
<b>Max Capacity</b>	4 x 400 ml (with TX-400 rotor)	4 x 750 ml (with TX-750 and BIOLiner rotors)
<b>Max Speed</b>	5500 rpm (with TX-200 rotor)	5300 rpm (with BIOShield 1000A rotor)
<b>Max RCF</b>	5580 x g (with TX-200 rotor)	5590 x g (with BIOShield 1000A rotor)
<b>Fixed Ane Rotors</b>		
<b>Max Capacity</b>	6 x 100 ml (with F15-6x100 rotor)	6 x 100 ml (with F15-6x100 rotor)
<b>Max Speed</b>	15200 rpm (with 30x2 ml rotor)	15200 rpm (with 48x2 ml rotor)
<b>Max RCF</b>	25830 x g (with 30x2 ml rotor)	25314 x g (with 48x2 ml rotor)
<b>Control System</b>	Microprocessor	
<b>Drive System</b>	Direct, brushless induction low profile motor	
<b>Rotor Locking System</b>	Auto-Lock III	
<b>Imbalance Detection System</b>	SMARTSpin	
<b>Programs</b>	6, direct access	
<b>Temperature Set Range*</b>	-10 °C to +40 °C	
<b>Pre-Cooling Function*</b>	Yes, with direct button	

<b>Refrigeration System*</b>	CFC free	
<b>Pulse (Short) Run</b>	Yes	
<b>Acceleration/ Deceleration Rates</b>	9/ 10	
<b>Centrifugation Chamber</b>	Stainless Steel	
<b>Max Timer Range</b>	9h, 99min + continuous	
<b>Sound Level (dBA), with swinging bucket rotor at top speed</b>	< 61/<55* dB (TX-400)	< 61/< 57* (TX-750)
<b>Other Features</b>	Certified ClickSeal biocontainment system, language selection, motorized lid latch	
<b>Max Power Consumption (W) 120V</b>	850/ 1200*	1400
<b>230V</b>	1010/ 1400*	1700/1950*

<b>Max Heat Output (BTU/h) 120V</b>	2900/ 4096*	4776
<b>230V</b>	3447/ 4776*	5800/ 6653*
<b>Dimensions</b>		
<b>Height (lid open)</b>	87 cm/ 34.3 in	90 cm/ 35.4 in
<b>Height (lid closed)</b>	36 cm/ 14.2 in	36 cm/ 14.2 in
<b>Width</b>	44 cm/ 17.3 in 62.3 cm*/ 24.5 in*	56.5 cm/ 22.2 in 74.5 cm*/ 29.3 in*
<b>Depth</b>	60.5 cm/ 23.8 in	67 cm/ 26.4 in
<b>Weight</b>	57.5 kg/ 126.8 lb 91.5 kg*/ 201.7 lb*	86 kg/ 189.6 lb 116 kg*/ 255.7 lb*

<b>Technical Standards</b>	IEC 61010-1, IEC 61010-202, IEC 61010-2-101 230 V only: EN 292, EN 61326, EN 55011B
<b>Certifications</b>	UL listed / CSA certified / CE marked / IVD compliant / Certified Biosafety, RoHS compliant, WEE compliant



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