



Thermo Scientific Sorvall T1 Centrifuge Series Specifications



Specifications	Sorvall T1	Sorvall RT1
Max Capacity		
Swing-Out	4 x 280 ml	4 x 280 ml
Fixed Angle	6 x 100 ml	6 x 100 ml
Max Density	1.2	1.2
Max Load	1.34 kg	1.34 kg
Max Speed		
Swing-Out	4,100 rpm	4,100 rpm
Fixed Angle	14,600 rpm	14,600 rpm
Max RCF		
Swing-out	3,176 x g	3,176 x g
Fixed Angle	23,113 x g	23,113 x g
Control System	Microprocessor	Microprocessor
Programs	4	4 + pre-cooling with direct recall
Speed Set/Display		
Range	500–14,600 rpm	500–14,600 rpm
Step	10 rpm	10 rpm
Display Accuracy	+/- 10 rpm	+/- 10 rpm
RCF Set/Display		
Range	18–23,113	18–23,113
Step	1 x g across the whole range	1 x g across the whole range
Display Accuracy	+/- 1 x g	+/- 1 x g
Radius Control Accuracy	1 mm	1 mm
Timer Set/Display	30 sec–99 min + continuous	30 sec–99 min + continuous
Temperature Set/Display	N/A	-9°C to 40°C
Acceleration Rates	5	5
Braking Rates	5 + no brake	5 + no brake
Drive System	Direct	Direct
Motor Type	Brushless induction	Brushless induction
Power (average / max)	350 / 500W	550 / 800 W
Sound level (6 x 50 ml at 10000 rpm)	61 dBA	54 dBA
Sound level (4 x 280 ml at 4100 rpm)	62 dBA	59 dBA
Standards	IEC 1010-1, IEC 1010-2-020, CE marked, UL listed, cUL certified	IEC 1010-1, IEC 1010-2-020, CE marked, UL listed, cUL certified

Ordering Information	Sorvall T1	Sorvall RT1
Catalog Numbers		
230V–50/60 Hz	75002381	75002383
120 V–60 Hz	75002382	75002384
Product Dimensions		
Height (lid closed) [cm / in]	37 / 14.6	37 / 14.6
Width [cm / in]	40 / 15.7	57 / 22.4
Depth [cm / in]	50 / 19.7	60 / 23.6
Weight [kg / lb]	40 / 88.1	72 / 158.7
Packing Dimensions		
Height [cm / in]	60 / 23.6	61 / 24.0
Width [cm / in]	61 / 24.0	76 / 29.9
Depth [cm / in]	54 / 21.2	74 / 29.1
Weight [kg / lb]	52 / 114.6	85 / 187.3

A History of Performance and Reliability

For nearly 60 years, our Thermo Scientific Sorvall centrifuges have stood for outstanding performance and reliability in the lab. That tradition continues today. From basic benchtop instruments to advanced floor models, we take pride in manufacturing centrifuges that deliver

reliable operation and consistent results year after year.

Worldwide Service and Support

We are committed to keeping your lab equipment working at peak performance levels. Our goal is to help you lower ownership costs, manage labs more

effectively, and increase productivity.

Contact your local account representative to learn more about our service offerings, including service agreements, preventive maintenance, on-site field repair, depot repair, compliance services and educational services.

©2007 Thermo Fisher Scientific Inc. All rights reserved. Sorvall, AUTO-LOCK and Nalgene are registered trademarks of Thermo Fisher Scientific Inc. and its subsidiaries. FIBERLite is a registered trademark of Piramoon Technologies Inc. Falcon is a trademark of BD Biosciences. Vacutainer, Hemogard and Microtainer are trademarks or registered trademarks of BD. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.