



Technical Specifications

Technical Data

Sorvall ST 8

Environmental Conditions	Use in interior spaces Altitudes of up to 2000 m above sea level Max. relative humidity 80% up to 31 °C; decreasing linearly to 50% relative humidity at 40 °C
Environmental Conditions during Storage and Shipping	Temperature: -10 °C to +50 °C Humidity: 15% to 85%
Permissible Ambient Temperature during Operation	+2 °C to +35 °C

Heat Dissipation ¹	100 V, 50 / 60 Hz	120 V, 60 Hz	230 V, 50 / 60 Hz
	0.31 kWh/h; 1060 Btu/h; 1120 kJ/h	0.31 kWh/h; 1060 Btu/h; 1120 kJ/h	0.31 kWh/h; 1060 Btu/h; 1120 kJ/h
Overvoltage Category	II		
Pollution Degree	2		
IP	20		
Running Time	99 h 59 min 50 sec, hold		
Maximum Speed n_{max}	16000 rpm		
Minimum Speed n_{min}	300 rpm		
Maximum RCF Value at n_{max}	24328 x g		
Noise Level at Maximum Speed ¹	< 58 dB (A) (measured with a TX-150 rotor); < 61 dB (A) (measured with a MicroClick 24x2 rotor)		
Maximum Kinetic Energy	8.12 kJ		

Dimensions	
Height (open door / closed door)	660 mm / 310 mm
Width	370 mm
Depth	490 mm
Weight ²	35 kg

¹ Front Side Measurement, 1 m in front of the instrument at 1.6 m height

² Without Rotor

Sorvall ST 8R

Environmental Conditions	Use in interior spaces Altitudes of up to 3000 m above sea level Max. relative humidity 80% up to 31 °C; decreasing linearly to 50% relative humidity at 40 °C
Environmental Conditions during Storage and Shipping	Temperature: -10 °C to +50 °C Humidity: 15% to 85%
Permissible Ambient Temperature during Operation	+2 °C to +35 °C

Heat Dissipation ¹	100 V, 50 / 60 Hz	120 V, 60 Hz	230 V, 50 / 60 Hz
	0.35 kWh/h; 1170 Btu/h; 1140 kJ/h	0.35 kWh/h; 1170 Btu/h; 1140 kJ/h	0.35 kWh/h; 1170 Btu/h; 1140 kJ/h
Overvoltage Category	II		
Pollution Degree	2		
IP	20		
Running Time	99 h 59 min 50 sec, hold		
Maximum Speed n_{max}	17850 rpm		
Minimum Speed n_{min}	300 rpm		
Maximum RCF Value at n_{max}	30279 x g		
Noise Level at Maximum Speed ¹	< 56 dB (A) (measured with a TX-150 rotor)		
Maximum Kinetic Energy	10.1 kJ		
Temperature Setting Range	-10 °C to +40 °C		

Dimensions	
Height (open door / closed door)	700 mm / 320 mm
Width	460 mm
Depth	670 mm
Weight ²	74 kg

¹ Front Side Measurement, 1 m in front of the instrument at 1.6 m height

² Without Rotor