

Technical Data

Features	Specification
Ambient conditions	<ul style="list-style-type: none"> - indoor use - maximum elevation 2000 m (6562 ft) above sea level - max. relative humidity 80 % up to 31 °C (88 °F), linearly decreasing down to 50 % relative humidity at 40 °C (104 °F).
Ambient temperature allowed	+2 °C to +40 °C (36 °F to 104 °F)
run time	<ul style="list-style-type: none"> - standard mode : 1min – 9 h 59 min, hold = permanent - extended mode : 1min – 99 h, hold
maximum speed (n_{max})	15 000 rpm (rotor-dependent, adjustable in steps of 10)
minimum speed (n_{min})	300 rpm
maximum RCF	24 652 (micro liter rotor 48 x 2ml 7500 3348)
maximum kinetic energy	<ul style="list-style-type: none"> Multifuge® 1 S (25 298 ft.lb) Multifuge® 1 S-R (25 298 ft.lb)
noise at maximum speed	<ul style="list-style-type: none"> Multifuge® 1 S < 64 dB (A) Multifuge® 1 S-R < 54 dB (A) (sound pressure level of emission according to DIN EN ISO 11 201)
Temperature set range	-9 °C to +40 °C
Dimension (H x W x D)	<ul style="list-style-type: none"> Multifuge® 1 S (14.37 x 19.69 x 24.21 inches) Multifuge® 1 S-R (14.37 x 27.0 x 26.18 inches)

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Weight without rotor Multifuge® 1 S Multifuge® 1 S-R	92 kg (203 lb) 118 kg (259 lb)
Testing standards - all devices manufactured and examined in agreement with: - for 120 V only - for 230 V only	IEC 61010-1:1990 + amendment 1:1992 + amendment 2:1995 IEC 61010-2-020:1993 + amendment 1:1996 - Pollution degree 2, - Overvoltage category II CAN/CSA-C22.2 No. 1010-1.92 CAN/CSA-C22.2 No. 1010-1.B97 amendment 2 UL 3101-1 EN 292 EN 61 010-1, EN 61 010-2-020 EN 61326, EN 55011 B

Electrical connections / fuses

Order no.	Voltage	Frequency	Nominal current	Power consumption	Fuse protection of instrument - safety fuse * thermal excess current release	Fuse protection of building
Multifuge® 1 S 7500 4311	230 V	50/60 Hz	9.1 A	1300 W	12 A * 14 A	16 AT
Multifuge® 1 S 7500 4315	120 V	60 Hz	12.0 A	1200 W	12 A * 16 A	15 AT
Multifuge® 1 S-R 7500 4331	230 V	50/60 Hz	9.2 A	1520 W	12 A * 14 A	16 AT
Multifuge® 1 S-R 7500 4335	120 V	60 Hz	12.0 A	1440 W	12 A * 16 A	15 AT