

Centrifuge 5811 R Performance Data Sheet



Key Features

- > **Sustainability:**
 - Climate friendly refrigerant
 - ECO shut-off function and aerodynamic bucket design for reduced energy consumption
- > **Ergonomics and convenience:**
 - Aerosol-tight Eppendorf QuickLock® rotor lids and caps for safe and stressless operation
- > **Versatility:**
 - 7 different swing-bucket rotors (incl. 2 plate rotors)
 - 7 different fixed-angle rotors with speeds up to 20,913 x *g*
 - Mixed bucket loading for enhanced flexibility

Additional Features

- > Broad adapter portfolio for different vessel types and sample volumes offer outstanding versatility
- > Low loading height for convenient and easy loading and unloading
- > Light-weight rotor design for convenient handling
- > Soft touch lid closure

Technical Specifications

Maximum speed	Max RCF	
	Fixed-angle rotors	20,913 x <i>g</i>
	Swing-bucket rotors	4,500 x <i>g</i>
	Max. rotational speed	14,000 rpm
Max. capacity	4 x 750 mL	
Max. power consumption	1,650 W (230 V) / 1,300 W (120 V)	
Noise level	< 56 dB(A) ¹⁾	
Temperature range	-9°C – 40°C	
Detachable power cord	Yes	

Dimensions

W x D x H	700 x 646 x 353 mm
Height with open lid	793 mm
Footprint	
Base plate	700 x 591 mm
Foot spacing	670 x 473 mm
Weight (w/o accessories)	89 kg
Shipping weight	115 kg ²⁾

Materials of construction and refrigerant

Housing	Galvanized steel with chemical resistance powder coating
Front part and outer lid	Flame-retardant thermoplastic
Rotor bowl	Stainless steel
Fixed-angle rotors	Aluminum
Swing-bucket	Aluminum / Stainless steel
Refrigerant	R290 (90 g)

Certifications and Registration

Company	ISO 9001 ISO 14001 ISO 13485
Centrifuge	-CE Certificate (incl. all relevant directives and safety standards) -Factory acceptance test/Inspection report -Certificate of containment testing for aerosol-tight rotors

¹⁾ With Rotor S-4-104

²⁾ Including palette

Technical specifications are subject to change. Errors and omissions excepted.

Capacity of Rotor S-4-104, swing-bucket

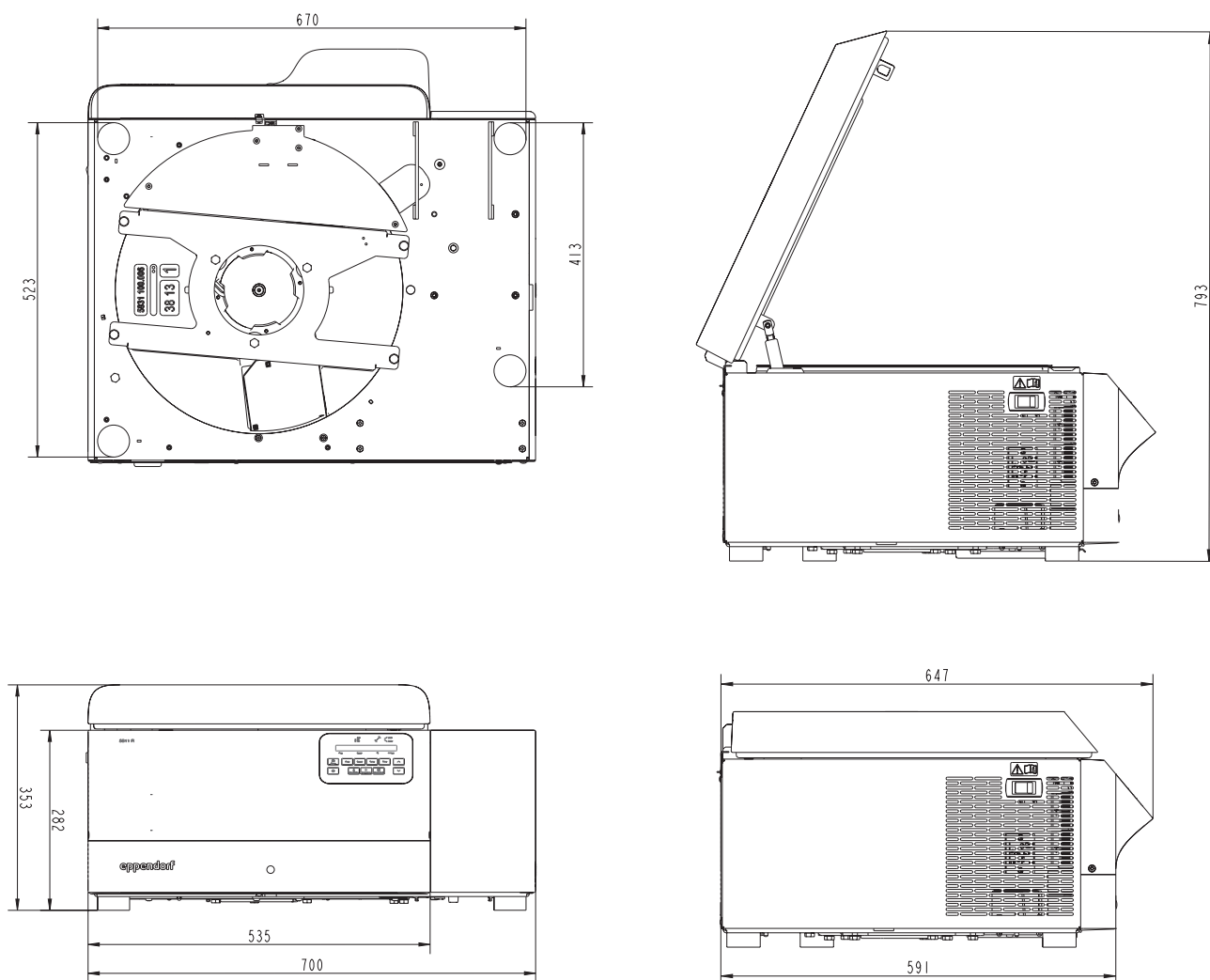
Storage	Capacity
Bottles	
750 mL Eppendorf bottles	4
Corning® 500 mL conical bottle	4
250 mL flat bottles	4
175 – 225 mL conical bottles	4
Tubes	
50 mL Conical tubes (aerosol-tight)	28
50 mL conical tubes, skirted	20
25 mL conical tubes	28
155 mL conical tubes	56
5 mL conical tubes	56
1.5/2.0 mL conical tubes	200
Plates ³⁾	
MTP plates	16
DWP plates	4
Blood collection tubes	
ø 13 mm	92
ø 16 mm	80
ø 17.5 mm	80

³⁾ With Plate bucket for Rotor S-4-104

Capacity of fixed-angle rotors

Storage	Capacity
Rotor	
Rotor F-34-6-38	6 x 85 mL
Rotor FA-45-6-30	6 x 50 mL conical tubes
Rotor FA-45-20-17	20 x 5.0 mL conical tubes
Rotor FA-45-48-11	48 x 1.5/2.0 mL tubes
Rotor F/A-45-30-11	30 x 1.5/2.0 mL tubes
Rotor F-35-48-17	48 x ø 16 mm tubes, 40 x 15 mL conical tubes

Dimensions



All dimensions in mm.

Your local distributor: www.eppendorf.com/contact
 Eppendorf SE · 22339 Hamburg · Germany
eppendorf@eppendorf.com · www.eppendorf.com

www.eppendorf.com

For more information and article numbers, visit

www.eppendorf.link/centrifuge-5811R