

1236

Multi-Purpose Bench top Centrifuge for up to 12,000 g

Ideal for the centrifugation with various sample containers from microtubes to 250 ml bottles and microplates



- Bench top, multi-purpose centrifuge with automatic door release
- Max. 12,000 rpm/ 15,520 g, Time setting to 99 min 59 sec or continuous
- "Pulse" key for quick runs
- Automatic conversion of RPM/RCF value
- 5 acceleration ramps and 5 deceleration ramps
- Radius correction function for the correct force calculation applied to sample
- LCD display of speed, remaining time, and ACC/DEC ramp
- Program memory for up to 100
- Automatic rotor identification when spinning starts to avoid unacceptable operation
- Automatic recognition and alarms for imbalance, over-speed and over-heat
- Three layered safe door with auto-lock function
- Unique air-flow cooling internal design
- Many fixed angle rotors, swing rotors and buckets, and adaptors available

Display and Control Interface



Technical Specifications

	Fixed Angle Rotor	Swing Rotor
Max. capacity	30 x 1.5/2.0 ml 24 x 15 ml 6 x 85 ml	4 x 12 x 15 ml 4 x 4 x 50 ml 4 x 2 x 85 ml 4 x 250 ml 4 x 4 x MTP
Max. RPM/RCF	12,000/15,520	5,000/5,394
Time control	Pulse, timed < 100 min, or continuous	
RCF/RPM conversion	Yes	
Noise level (dependent on rotor)	≤60 dB	
Acceleration ramp	5	
Deceleration ramp	5	
Program memory	100	

Rotor Identification	Automatic
Imbalance cutout	Yes
Display	Blue LCD
Safety lid lock	Yes
Lid drop protection	Yes
Automatic door release at completion	Yes
Power supply	220V/50~60Hz (110V optional)
Power requirement	900 VA
Dimension (W x D x H)	475 x 561 x 330 mm
Weight without rotor	40 kg
CE mark	Yes
Cat. No.	7,637,514,301

Rotors & Accessories



Swing rotor, **7,603,111,050**
4 loadings
Angle : 90°
Area dimension (mm) : 86 x 70.3
Max height for tube fit (mm) : 125



Rectangular bucket,
7,603,111,120
Bucket bore(wxdxh)mm : 86 x 70.3 x 125



Microplate holder,
7,604,111,060
Bucket bore(wxdxh)mm : 88 x 128.5 x 80

Tube												
Tube capacity(ml)	5	3	15	10	15 ml conical	50	50 ml conical	250	85	15	MTP	DWP
Tube rack											None	None
Cat. No.	7,603,111,110		7,603,111,140		7,603,111,170	7,603,111,200	7,603,111,230	7,603,111,260	7,604,111,852		-	-
Rack Φ x L(mm)	13.5 x 80	13.5 x 58	17.5 x 90		17.5 x 90	30.2 x 90	30.5 x 90	62.5 x 90	38.5 x 90	17 x 90	-	-
Rack capacity(ea/4)	12/48	12/48	12/48		9/36	4/16	3/12	1/4	2/8		4/16	1/4
Max.rpm	4,000											
Max.rcf(g-force)	3,134										2,737	
Radius(mm)	175.2										153	

Rotors & Accessories



Swing rotor, **7,603,111,255**
4 loadings
Angle : 90°
Hole diameter (Φ, mm) : 60.5
Max height for tube fit (mm) : 130



Conical bucket,
7,603,111,720
Bucket Bore(ΦxL)mm : 60.5 x 130

Tube	
Tube capacity(mL)	250 mL conical
Max.rpm	5,000
Max.rcf(g-force)	5,394
Radius(mm)	193



Angle rotor, **7,603,111,090**
24 x 15 mL/15 mL conical
Angle : 45°
Hole diameter (Φ, mm) : 18
Max height for tube fit (mm) : 135 (125 for conical)



Steel sleeves, **7,601,111,040**
Sleeve bore (Φ x h)mm : 18 x 135
Sleeve bore (Φ x h)mm : 18 x 125(Conical)

Tube						
Tube capacity(mL)	15	3	4	5	10	15 mL conical
Adaptor	None				None	None
Cat. No.	-	7,601,113,030	7,601,113,035	7,601,113,040	-	-
Adaptor Φ x L(mm)	-	13 x 63	13 x 65	13 x 85	-	-
Max.rpm	4,000					
Max.rcf(g-force)	3,134	2,776	2,830	2,990	3,121	3,068
Radius(mm)	175.5	155.2	158.2	167.2	174.5	171.5



Fixed angle rotor, **7,603,111,550**
6 x 85 mL
Angle : 34°
Hole diameter (Φ, mm) : 38.5
Max height for tube fit (mm) : 125

Tube						
Tube capacity(mL)	15	10	15 mL conical	50	50 mL conical	85
Adaptor						None
Cat. No.	7,604,113,010	7,604,113,020	7,604,113,030	7,604,113,040	-	-
Adaptor Φ x L(mm)	16.2 x 97	17 x 105	29 x 90	29.5 x 100	-	-
Max.rpm	10,000					
Max.rcf(g-force)	11,515	11,404	11,292	11,627	11,404	12,298
Radius(mm)	103	102	101	104	102	110



Fixed angle rotor,
7,603,111,010
24 x 1.5/2.0 mL
Angle : 45°
Hole diameter (Φ, mm) : 11.1
Max height for tube fit (mm) : 56



Fixed angle rotor,
7,603,111,500
30 x 1.5/2.0 mL
Angle : 45°
Hole diameter (Φ, mm) : 11.1
Max height for tube fit (mm) : 56

Tube			
Tube capacity(mL)	1.5/2.0	0.2	0.5
Adaptor	None		
Cat. No.	-	7,600,113,010	7,600,113,020
Adaptor Φ x L(mm)	-	6.5 x 23	8 x 31
Max.rpm	12,000		
Max.rcf(g-force) of (24/30)	13,572/15,520	10,786/12,718	11,752/13,845
Radius(mm) of (24/30)	84.3/96.4	67/79	73/86