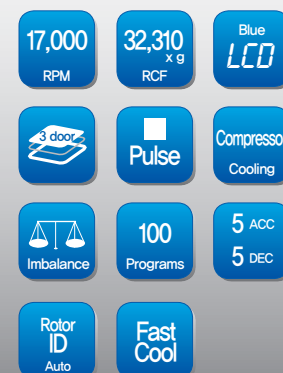


❄️ Refrigerated

1736R

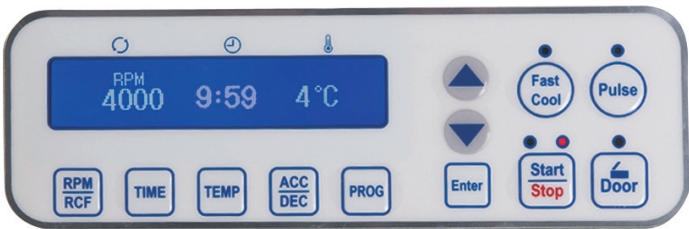
High Speed Refrigerated Centrifuge for up to 17,000 rpm

Ideal for multi-purpose centrifugation at high-speed



- Floor type, compact high speed centrifuge
- Max. 17,000 rpm/ 32,310 g, Time setting to 9hr 59min or continuous, Temp setting to -20°C
- Useful for a wide range of tubes from microtubes to 250 ml bottles at high speed
- Fast Cool function (reach 4°C within 5 min)
- “Pulse” key for quick runs
- Automatic conversion of RPM/RCF value
- 5 acceleration ramps and 5 deceleration ramps
- LCD display of speed, remaining time, and temperature
- 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
- Compressor-off when the door is open to minimize frosting and rust
- Environment friendly R404a refrigerant
- Mounted on four-wheel canister for easy movement and lock-up
- Many fixed angle rotors, swing rotors and buckets, and adaptors available

Display and Control Interface



Technical Specifications

Max. capacity	Fixed Angle Rotor	Swing Rotor	Program memory	100
	30 x 1,5/2,0 ml	4 x 12 x 15 ml	Rotor Identification	Automatic
	8 x 15 ml	4 x 4 x 50 ml	Imbalance cutout	Yes
	8 x 50 ml	4 x 2 x 85 ml	Display	Blue LCD
	6 x 85 ml	4 x 250 ml	Safety lid lock	Yes
	4 x 250 ml	4 x 4 x MTP	Lid drop protection	Yes
Max. RPM/RCF	17,000/32,310	4,000 / 3,134	Power supply	220V/50~60Hz (110V optional)
Temp. range	-20°C to 40°C		Power requirement	2.5 KVA
FAST cool button	Yes		Dimension (W x D x H)	473 x 600 x 840 mm
Time control	Pulse, timed < 10 hr, or continuous		Weight without rotor	110 kg
RCF/RPM conversion	Yes		CE mark	Yes
Noise level (dependent on rotor)	≤60 dB		Cat. No.	7,622,319,101
Acceleration ramp	5			
Deceleration ramp	5			

SCANSPEED



Rotors & Accessories



Swing rotor, [7,622,319,201](#)
4 loadings
Angle : 90°
Area dimension (mm) : 86 x 70.3
Max height for tube fit (mm) : 125



Rectangular bucket,
[7,800,500,022](#)
Bucket bore(wxdh)mm : 86 x 70.3 x 125



Microplate holder,
[7,800,500,015](#)
Bucket bore(wxdh)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	



Fixed angle rotor, [7,622,319,209](#)
6 x 250 ml
Angle : 25°
Hole diameter (Φ , mm) : 62
Max height for tube fit (mm) : 130

Tube	
Tube capacity(ml)	250
Max. RPM	10,000
Max. RCF(g-force)	14,981
Radius(mm)	134



Fixed angle rotor, [7,622,319,208](#)
6 x 85 ml
Angle : 25°
Hole diameter (Φ , mm) : 38.3
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	15,000					
Max. RCF(g-force)	23,268	23,017	22,765	23,520	23,017	25,029
Radius(mm)	92.5	91.5	90.5	93.5	91.5	99.5



Fixed angle rotor, [7,622,319,205](#)
6 x 50 ml
Angle : 34°
Hole diameter (Φ, mm) : 29.5
Max height for tube fit (mm) : 125



Fixed angle rotor, [7,622,319,207](#)
8 x 50 ml
Angle : 34°
Hole diameter (Φ, mm) : 29.5
Max height for tube fit (mm) : 120



Fixed angle rotor, [7,622,319,206](#)
6 x 50 ml conical
Angle : 25°
Hole diameter (Φ, mm) : 29.5
Max height for tube fit (mm) : 125



Fixed angle rotor, [7,622,319,203](#)
24 x 1.5/2.0 ml
Angle : 45°
Hole diameter (Φ, mm) : 11.1
Max height for tube fit (mm) : 46



Fixed angle rotor, [7,622,319,204](#)
30 x 1.5/2.0 ml
Angle : 45°
Hole diameter (Φ, mm) : 11.1
Max height for tube fit (mm) : 46

Tube				
Tube capacity(ml)	50	15	10	15 ml conical
Adaptor	None			
Cat. No.	-	7,601,113,041		7,601,113,042
Adaptor Φ x L(mm)	-	17 x 97		17 x 105
Max. RPM (6/8)	17,000/15,000			
Max. RCF(g-force) (6/8)	32,310/25,910	29,241/23,520	28,918/23,268	30,048/24,149
Radius(mm) (6/8)	100/103	90.5/93.5	89.5/92.5	93/96

Tube	
Tube capacity(ml)	50 ml conical
Adaptor	None
Max. RPM	15,000
Max. RCF(g-force)	24,753
Radius(mm)	98.4

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 (24/30)	17,000/15,000		
Max. RCF(g-force) (24/30)	27,237/24,249	21,648/19,872	23,910/21,633
Radius(mm) (24/30)	84.3/96.4	67/79	73/86