

# Benchtop High-Speed Centrifuge

**LX-185T100-J**



## Scope of Application:

Mainly applied to the experimental processes of collecting, separating, and purifying samples such as cells, macromolecular proteins, body fluids, DNA/RNA, plasmids, and viruses. Widely used in universities, third party testing organizations, disease prevention, medical and health, biological pharmaceutical and other related fields.



Wide range of rotors for application flexibility, compatible with tubes/bottles from 0.2 ml to 100ml



Fast sample processing at maximum speeds of up to 18,500 rpm (30,130 x g)



Optimized sound design for low noise levels ( $\leq 63\text{dB(A)}$ )

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24-07-2025\_v1



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## Product Features



Wide range of rotors for application flexibility, compatible with tubes/bottles from 0.2 ml to 100ml



Optimized sound design for low noise levels ( $\leq 63\text{dB(A)}$ )



Fast sample processing at maximum speeds of up to 18,500 rpm (30,130 xg)



Automatic rotor identification locks the maximum rotational speed to prevent overspeed operation



Use of brushless induction motors to provide maintenance-free operation, eliminating carbon particle emissions



Real time loading imbalance detection, immediate shutdown protection in case of imbalance



## Intuitive Interface



LCD keypad and control knob for easy operation, the wide viewing angle more comfortable and practical for users of all heights.



9 acceleration + 10 deceleration stages



Quick recall of up to 99 programs for quick run start by routine users



The speed, centrifugal force, and time can be changed during the centrifugation process

Screen lock function to prevent press errors

Target speed/centrifugal force/time and real-time operation data display.



One key to recall stored programs for more convenient operation

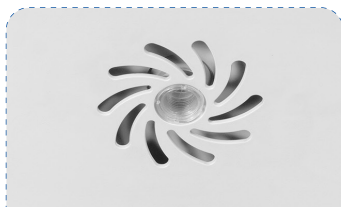
Acceleration/Deceleration rates



## Product Parts



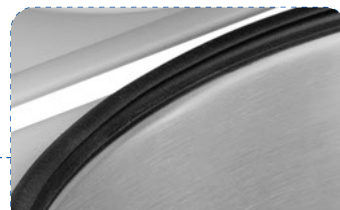
Patented anti-seismic door lock. In case of abnormal vibration, the cover can be locked reliably



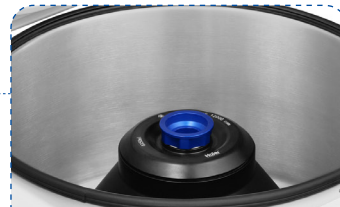
Unique air duct structure design, the heat inside the centrifugal chamber can dissipate quickly



Dual gas springs for easy door opening and with safety protection



Triple-layer construction to ensure safe use



316 stainless steel centrifuge chamber is rust-free and easy to clean



Emergency lid release, pry out the white plastic plug on the side plate with a tool and pull the attached release cord to open the lid



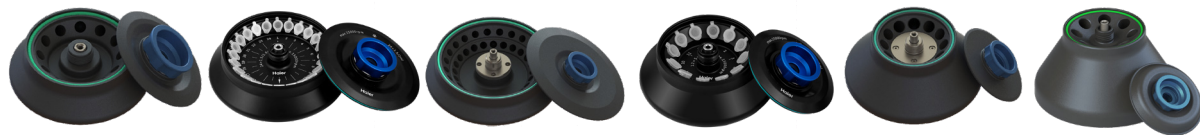
## Specifications







Model	Maximum Capacity	Speed Range (rpm)	Max RCF (xg)	Speed Accuracy (rpm)	Time Setting Range	Display	Noise dB (A)	Power Supply (V/Hz)
LX-185T100-J	6*100ml	500-18,500	30,130	±10	1s-99h/59min (1s/1min increment)	LCD	≤63	220~240/50/60

Power (W)	Exterior Dimensions (W*D*H) (mm)	Lid Opening Height (mm)	Net Weight (kg)	Packing Dimensions (W*D*H)(mm)	Gross Weight (kg)	Certification
500	440*600*346	795	47	495*670*380	51	CE



## Fixed-Angle Rotor









BE No.	BE12CK000	BE12CL000	BE12CH000	BE12DF001	BE12DH001	BE12DJ001
Type	Sealed	Sealed	Sealed	Sealed	Sealed	Sealed
Max Capacity	12*1.5/2ml	24*1.5/2ml	48*1.5/2ml	12*5ml	12*10ml	8*15ml
Max RCF (xg)	25,636	30,130	19,083	20,124	15,547	14,972
Max Speed (rpm)	18,500	17,500	13,000	15,000	12,500	12,000
Tubes per Rotor	12	24	48	12	12	8
Tube						
Max Tube Capacity (ml)	1.5/2	1.5/2	1.5/2	5	10	15
Max Tube Dimensions (Ø x L mm)	11*38	11*38	11*38	13.5*75	16*86	17*121
Tube Type	Round /Conical bottom	Round /Conical bottom	Round /Conical bottom	Round bottom	Round bottom	Conical bottom




### Fixed-Angle Rotor



BE No.	BE12DG001	BE12DK001	BE12E6000	BE12DE001	BE12DD001	BE12DC001
Type	Sealed	Sealed	Sealed	Steel sleeve	Steel sleeve	Steel sleeve
Max Capacity	6*50ml	6*50ml	12*8*0.2ml	18*15ml	6*50/15ml	6*100ml
Max RCF (xg)	15,616	16,421	14,891	3,577	3,577	3,348
Max Speed (rpm)	12,000	12,000	12,000	5,000	5,000	4,800
Tubes per Rotor	6	6	12	18	6 pcs(50ml) 6 pcs(15ml)	6
Tube						
Max Tube Capacity (ml)	50	50	0.2	15	50(15)	100
Max Tube Dimensions (Ø x L mm)	29*105	29*118	6*18	17*121	29*118 17*121	41*120
Tube Type	Round bottom	Conical bottom	PCR	Round /Conical bottom	Round /Conical bottom	Round bottom

#### Adapter(Sets of 6) for BE12DK001

BE No.	BE12JC002
Max Capacity (ml)	15
Tube	
Max Tube Dimensions (Ø x L mm)	17*121
Tube Type	Conical bottom





## Swing-Out Rotor



Swing-Out  
Rotor Block




BE No.	BE12FR001
Max. RCF (xg)	3,347
Max. speed (rpm)	4,600




Bucket  
(Sets of 4)



BE No.	BE12H1000
Max Capacity	5*10ml
Tubes per bucket/rotor	5/20
Tube	
Max Tube Dimensions (Ø x L mm)	16*106
Tube Type	Large blood collection tube (Ø16mm)

### Adapter (Sets of 50) for BE12H1000

BE No.	BE12JN001
Max Capacity	5
Tube	
Max Tube Dimensions (Ø x L mm)	13*75
Tube Type	Small blood collection tube



Swing-Out  
Rotor Block




BE No.	BE12FR001
Max. RCF (xg)	3,347
Max. speed (rpm)	4,600



Bucket  
(Sets of 4)



BE No.	BE12H2000
Max Capacity	2*15ml
Tubes per bucket/rotor	2/8
Tube	
Max Tube Dimensions (Ø x L mm)	17*121
Tube Type	Conical bottom





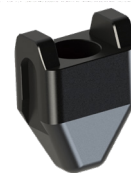
## Swing-Out Rotor



Swing-Out  
Rotor Block



Bucket  
(Sets of 4)



BE No. BE12FR001

Max. RCF (xg) 3,347

Max. speed (rpm) 4,600



BE No.

BE12H3000

Max Capacity (ml) 50

Tubes per  
bucket/rotor 1/4

Tube

Max Tube Dimensions  
(Ø x L mm) 29\*118

Tube Type Conical bottom



Swing-Out  
Rotor Block



Bucket  
(Sets of 4)



BE No. BE12FR001

Max. RCF (xg) 3,347

Max. speed (rpm) 4,600



BE No.

BE12G7000

BE12J1004

Max Capacity (ml) 100 NA

Bucket Type Flat bottom NA

Adapter(Sets of 4) for  
BE12G7000



BE No.	BE12JU003	BE12JV003	BE12JW003*	BE12JX003	BE12JY003	BE12JZ003	BE12J0004
Max Capacity	100ml	50ml	2*15ml	15ml	4*10ml	4*5/7ml	4*1.5/2ml
Tubes per adapter/rotor	1/4	1/4	2/8	1/4	4/16	4/16	4/16
Tube							
Max Tube Dimensions (Ø x L mm)	41*120	29*118	17*121	17*121	16*106	13*75/106	11*38
Tube Type	Round bottom	Conical bottom	Conical bottom	Conical bottom	Large blood collection tube (Ø16mm)	Short/long blood collection tube	Round/Conical bottom

\*During the use of this adapter, the biocontainment lid is in an unavailable state.



## Swing-Out Rotor



**Swing-Out  
Rotor Block**



**BE No.** BE12FR001

**Max. RCF (xg)** 3,347

**Max. speed (rpm)** 4,600



**BD CPT tube bucket  
(sets of 4)**



**BE No.** BE12G6000

**Max Capacity (ml)** 8

**Tubes per  
bucket/rotor** 1/4

**Tube**

**Max Tube Dimensions  
(Ø x L mm)** 16\*130

**Tube Type** Round bottom

**BE No.** BE12CJ000

**Max. RCF (xg)** 2,245

**Max. speed (rpm)** 4,500

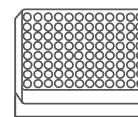
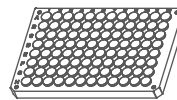
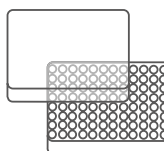
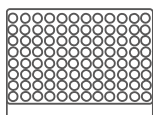
**Max Capacity** 2 plates

**Bucket Type** Rectangular bottom



**Plate Swing-Out Rotor**

**Plates for  
BE12CJ000**



Plates per rotor	4	4	4	2
<b>W*D*H (mm)</b>	128*86*15	128*86*17.5	128*86*20	128*86*44.5
<b>Plate Type</b>	MTP (without lid)	MTP (with lid)	PCR plate 96-fold	DWP