

Benchtop High-Speed Centrifuge







Scope of Application







LX-185T100-J

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. It also serves as IVD laboratory equipment when used with IVD tubes and diagnostic analysis systems, separating human blood for hematological, immunological, and cardiovascular diagnostic tests.

Product Features

-  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 xg)
-  Use of brushless induction motors to provide maintenance-free operation, eliminating carbon particle emissions
-  Optimized sound design for low noise levels ($\leq 63\text{dB(A)}$)
-  Automatic rotor identification locks the maximum rotational speed to prevent overspeed operation
-  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
-  Quick recall of up to 99 programs for quick run start by routine users
-  9 acceleration + 10 deceleration stages
-  The speed, centrifugal force, and time can be changed during the centrifugation process

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Benchtop High-Speed Centrifuge

LX-185T100-J



AWTech

Advanced Worldwide Technologies

127566 Россия, Москва,
Алтуфьевское шоссе, дом 48, корпус 1
+7 (499) 346-74-93
info@awt.ru
www.haierrus.ru



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

Screen lock function to prevent press errors



One key to recall stored programs for more convenient operation

Acceleration/Deceleration rates

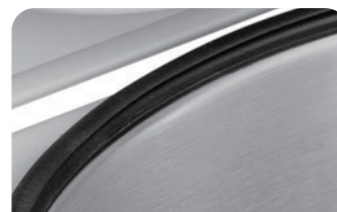
Specifications

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



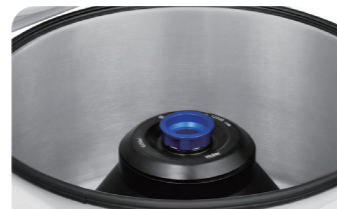
Patented anti-seismic door lock. In case of abnormal vibration, the cover can be locked reliably.



Triple-layer construction to ensure safe use.



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



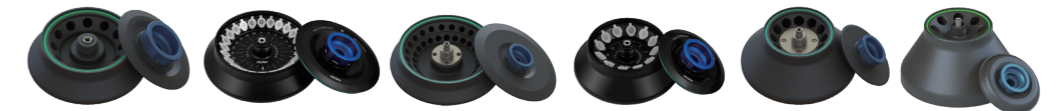
316 stainless steel centrifuge chamber is rust-free and easy to clean.



Dual gas springs for easy door opening and with safety protection.



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.



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)	1.5/2ml	1.5/2ml	1.5/2ml	5ml	10ml	15ml
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)	50ml	50ml	0.2ml 8-strip PCR	15ml	50(15)ml	100ml
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 Block

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



Bucket (Sets of 4)

BE No.	BE12FV001
Max Capacity	8*5/7ml
Tubes per bucket/rotor	8/32
Tube	
Max Tube Dimensions (Ø x L mm)	13*75/106
Tube Type	Short/long 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.	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 (Ø 16mm)

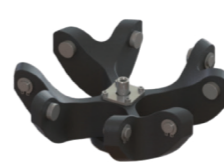
Adapter (Sets of 50) for BE12H1000

BE No.	BE12JN001
Max Capacity (ml)	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

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

Bucket (Sets of 4)

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








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

Bucket (Sets of 4)

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 (Φ16mm)	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


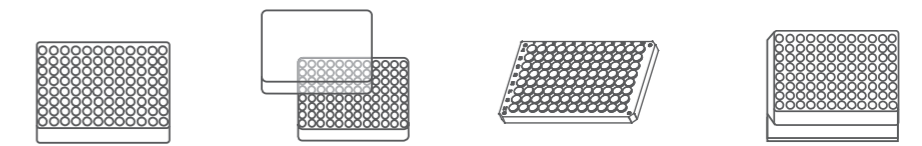


Plate Swing-Out Rotor

Plates for BE12CJ000



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