

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.

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.



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 ($\leq 63\text{dB(A)}$)

Qingdao Haier Biomedical Co., Ltd.

No.280 Feng Yuan Road, High-tech Zone,
Qingdao, 266111, P.R. China
E-mail: inquiry@haierbiomedical.com
Website: www.haiermedical.com
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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

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



Product Parts



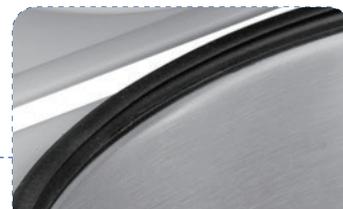
Patented anti-seismic door lock. In case of abnormal vibration, the cover can be locked reliably



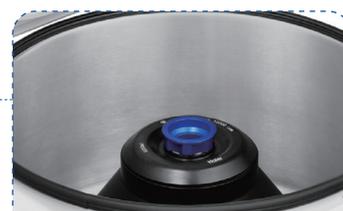
Unique air duct structure design, the heat inside the centrifugal chamber can dissipate quickly



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 xL 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 |

*Haier Biomedical also can provide 0.2ml adapter (sets of 24) (BE12J2003), 0.5ml adapter (sets of 24) (BE12JN002) for 1.5/2ml tube rotor



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 xL 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 xL 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. | 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 (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



BD CPT tube bucket (sets of 4)



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



| | |
|---------------------------------------|------------------|
| 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 |

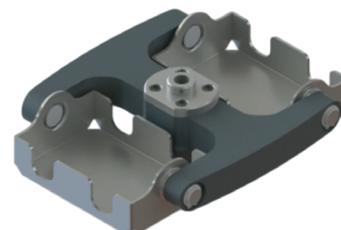
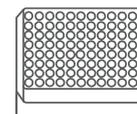
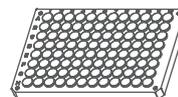
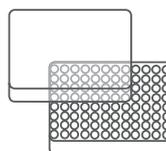
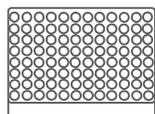


Plate Swing-Out Rotor

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 |