

HIGH SPEED REFRIGERATED CENTRIFUGE MBCF25M



FEATURES:

1. It is stable but not heavy, excellent compatibility, large capacity with light rotor.
2. Microcomputer controlled, AC frequency variable motor drive, without toner power pollution, and longer lifetime. Lower noise and less vibration, equipped with multiple types of rotors for users to choose.
3. Rotor recognition and speed limit control, to make centrifuge safer.
4. Imported compressor set, refrigeration and heating double temperature control, unique heat radiation system, to ensure that the cooling effect of the instrument to achieve the best.
5. Able to configure acceleration/deceleration mode, provide configuration of RPM and RCF, and convert RPM/RCF using one key.
6. Equipped with over speed, overheat, imbalance and door lid auto lock protection systems to ensure safety of machine and users
7. compact size, equipped with large torque variable-frequency motor to facilitate acceleration and deceleration and enhance efficiency. Higher performance to cost ratio.

TECHNICAL PARAMETER

| | |
|---------------------------|-------------------|
| Model | MBCF25M |
| Max Speed | 25000r/min |
| Max RCF | 64800xg |
| Max Capacity | 4000ml |
| Speed Accuracy | ±20r/min |
| Temperature Setting Range | -20°C--40°C |
| Temperature Accuracy | ±2°C |
| Time Range | 0-99h59min59sec |
| Power Supply | AC 220V 50Hz, 35A |
| Consumption | 4500W |
| Noise | ≤65dB |
| Dimension | 830×720×1250(mm) |
| Weight | 320kg |

ROTOR OPTION S

| Model | Number | Capacity | Max Speed (r/min) | Max RCF (×g) | Tube Dimension (mm) |
|-------------|--------|--------------|-------------------|--------------|---------------------|
| Angle Rotor | No.1 | 24×1.5/2.0ml | 25000 | 64800 | Ø10×42 |
| | No.2 | 18×10ml | 23000 | 60460 | Ø16×81 |
| | No.3 | 8×50ml | 20000 | 46420 | Ø29×105 |
| | No.4 | 6×250ml | 14000 | 30074 | Ø64×113 |
| | No.5 | 8×100ml | 13000 | 19830 | Ø38×124 |
| | No.6 | 6×500ml | 10000 | 17700 | Ø69×160 |
| | No.7 | 4×1000ml | 8000 | 12040 | Ø98×175 |

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MBCF21M High-Speed Refrigerated Centrifuge



FEATURES:

1. Microprocessor control, operated by touch panel, LCD & LED display, operated data can be saved automatically, RCF value can be set directly for working and convenient use.
2. Brushless converter motor which has high torque, imported super speed bearing from Europe, smoothly running and maintenance free.
3. Multistage damping system, the Freon-free compressor imported from Europe, low noise and slight vibration.
4. Steel body, stainless steel centrifugal chamber, key components are imported, easy to clean and durable.
5. The function of rotor identity System, overspeed, over temperature, door interlock, imbalance protection, emergency door open device, ensure safety.
6. The function of pre-cooling, faster temperature drop. Proprietary SCT speed control design, fast acceleration and deceleration, time saving and high efficiency.
7. Adjustable acceleration and deceleration rates from 0 to 9, 40 kinds of self-defining operating programs can be stored and recalled, to achieve the best centrifugal results.
8. Hold-on and transient centrifuging, for centrifugal diversification

TECHNICAL PARAMETER

| | |
|-----------|------------|
| Model | MBCF21M |
| Max Speed | 21000r/min |

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| | |
|----------------------|--------------------------------|
| Max RCF | 54100×g |
| Max Capacity | 3000ml |
| Speed Accuracy | ±10r/min |
| Temperature Range | -20℃-+40℃ |
| Temperature Accuracy | ±1℃ |
| Time Range | 0-99h59min59sec |
| Power Supply | AC 220V 50Hz or 110V 60Hz, 32A |
| Noise | ≤65dB |
| Dimension | 810×710×1220mm |
| Weight | 320kg |

ROTOR OPTIONS:

| Rotor Type | Rotor No. | Capacity | Max Speed(r/min) | Max RCF(×g) | Dimension of tube (mm) |
|-------------|-----------|-------------|------------------|-------------|------------------------------|
| Angle Rotor | No.3 | 16×10/1.5ml | 21000 | 49300 | Φ16×81 |
| | No.5 | 6×50ml | 20000 | 54100 | Φ28×105 |
| | No.15 | 8×50ml | 15000 | 30430 | Φ29×106.5 |
| | No.20 | 8×100ml | 12000 | 21330 | Φ38×124 |
| | No.28 | 6×300ml | 10000 | 18300 | Φ63×158 (Rounding Bottom) |
| | No.35 | 6×500ml | 9000 | 16980 | Φ74×168 |
| | No.33 | 4×1000ml | 8000 | 12500 | Φ97×175 |
| Swing Rotor | No.62 | 4×50ml | 5000 | 4390 | Φ28×105-115 |
| | No.76 | 32×15ml | 4000 | 3160 | Φ16×114-118 |
| | No.80 | 8×50ml | 4000 | 2950 | Φ28×105-115 |

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MBCF7M-12L Super Large Capacity Refrigerated Centrifuge



FEATURES:

1. Microprocessor control, operated by touch panel, LED & LCD display, operated data can be saved automatically, RCF value can be set directly for working, easy to use.
2. Brushless converter motor which has high torque, Imported super speed bearing from Europe, smoothly running and maintenance free.
3. Multistage damping system, the Freon-free compressor from Europe, low noise and slight vibration, green.
4. Vertical and steel body, stainless steel centrifugal chamber, key components are imported, easy to clean and durable.
5. Equipped with identification system, overspeed, over temperature, door interlock, imbalance protection function, and emergency door open device, ensure operation safety.
6. Pre-cooling design for centrifugal chamber, fast cooling. Proprietary SCT speed control design, fast acceleration and deceleration, high efficiency.
7. Adjustable acceleration and deceleration from grade 0 to 9, 40 kinds of self-defining operating programs can be stored and recalled, to achieve the best centrifugal result.
8. Proprietary SBT control technique and rotor design, to avoid mix up, ensure getting maximum specimen.
9. Super large capacity is 14.4L, can process 12 pieces of 400ml to 500ml blood bag at one time, high efficiency.
10. Hold-on and transient centrifuging.
11. Widely used in the field of Blood bank, Pharmacy, Biological products and so on.

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TECHNICAL PARAMETER

| | |
|----------------------|------------------------|
| Model | MBCF7M-12L |
| Max Speed | 8000r/min |
| Max RCF | 12500×g |
| Max Capacity | 14400ml |
| Speed Accuracy | ±10r/min |
| Temperature Range | -20°C -+40°C |
| Temperature Accuracy | ±1°C |
| Time Range | 0-99h59min59sec |
| Power Supply | AC 220V/380V 50Hz, 35A |
| Noise | ≤65dB |
| Dimension | 960×860×1200mm |
| Weight | 500kg |

ROTOR OPTIONS:

| Rotor Type | Number | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|--------|------------|-------------------|--------------|--|
| Angle Rotor | No.33 | 6×500ml | 8000 | 12500 | Φ74×168 |
| | No.36 | 6×1000ml | 7200 | 11850 | Φ97×175 |
| Swing Rotor | No.64 | 6×2400ml | 4200 | 5910 | 6pcs of 2400ml bottle or 12pcs of 400ml to 500ml blood bag |
| | No.67 | 2×6×1000ml | 4000 | 4680 | Biology Pharmacy |

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MBCF10MA High-Speed And Large Capacity Refrigerated Centrifuge



FEATURES:

1. Microprocessor control, operated by touch panel, LED & LCD display, operated data can be saved automatically, RCF value can be set directly for working, easy to use.
2. Brushless converter motor which has high torque, imported super speed bearing from Europe, smooth running and maintenance free.
3. Multistage damping system, the Freon-free compressor from Europe, low noise and slight vibration, green.
4. Steel body, stainless steel centrifugal chamber, key components are imported, easy to clean and durable.
5. The function of rotor identity System, overspeed, over temperature, door interlock, imbalance protection and emergency door open device, ensure safety.
6. Pre-cooling design for centrifugal chamber, fast cooling. Proprietary SCT speed control design, fast acceleration and deceleration, high efficiency
7. Adjustable acceleration and deceleration from grade 0 to 9, 40 kinds of self-defining operating programs can be stored and recalled, to achieve the best centrifugal result..
8. Proprietary SBT control technique and rotor design, to avoid mix up, ensure maximum separating effect.
9. Hold-on and transient centrifuging.
10. Not only big capacity but also high speed, it is a multi-purpose machine, widely used in research and production.

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TECHNICAL PARAMETER

| | |
|----------------------|--|
| Model | MBCF10MA |
| Max Speed | 10000r/min |
| Max RCF | 18300×g |
| Max Capacity | Swing rotor 6000ml; Angle rotor 6000ml |
| Speed Accuracy | ±20r/min |
| Temperature Range | -20°C-+40°C |
| Temperature Accuracy | ±1°C |
| Time Range | 0-99h59min59sec |
| Power Supply | AC 220V 50Hz, 32A |
| Noise | ≤65dB |
| Dimension | 830×720×1250mm |
| Weight | 320kg |

ROTOR OPTIONS:

| Rotor Type | Number | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|--------|-----------------------------|-------------------|--------------|------------------------|
| Angle Rotor | No.29 | 6×300ml | 10000 | 18300 | Φ62×139 |
| | No.33 | 6×500ml | 8000 | 12500 | Φ74×168 |
| | No.36 | 6×1000ml | 7200 | 11850 | Φ97×175 |
| Swing Rotor | No.65 | 6×1000ml (round bucket) | 4200 | 4950 | Φ100×175 |
| | | 6×1000ml (rectangle bucket) | 4200 | 4950 | 6×400-500ml blood bags |

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| | | | | |
|-------|----------|------|------|----------|
| No.66 | 4×1000ml | 4200 | 4430 | Φ100×175 |
|-------|----------|------|------|----------|

MBCF6M Low Speed Large Capacity Refrigerated Centrifuge



FEATURES:

1. Microprocessor control, operated by touch panel, LED & LCD display, operated data can be saved automatically, RCF value can be set directly for working, easy to use.
2. Brushless converter motor which has high torque, Imported super speed bearing from Europe, smooth running and maintenance free.
3. Multistage damping system, the Freon-free compressor from Europe, low noise and slight vibration, green.
4. Vertical and steel body, stainless steel centrifugal chamber, key components are imported, easy to clean and durable.
5. The function of rotor identity System, over-speed, over temperature, door interlock, imbalance protection and emergency door open device, ensure safety.
6. Pre-cooling design for centrifugal chamber, fast cooling. Proprietary SCT speed control design, fast acceleration and deceleration, high efficiency
7. Adjustable acceleration and deceleration from grade 0 to 9, 40 kinds of self-defining operating programs can be stored and recall, to achieve the best centrifugal result.
8. Proprietary SBT control technique and rotor design, to avoid mix up, ensure maximum separating effect.
9. Hold-on and transient centrifuging.
10. Can be configured with 5ml, 7ml, 10ml, 15ml, 30ml, 50ml and several kinds of adapters, meet the different customers' needs.

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11. Widely used in the field of radicalization immunity, biochemistry, pharmacy and so on, especially separation of blood products.

TECHNICAL PARAMETER

| | |
|----------------------|---------------------------------|
| Model | MBCF6M |
| Max Speed | 6000r/min |
| Max RCF | 7040×g |
| Max Capacity | 6000ml |
| Speed Accuracy | ±10r/min |
| Temperature Range | -20°C - +40°C |
| Temperature Accuracy | ±1 °C |
| Time Range | 0-99h59min59sec |
| Power Supply | AC 220V 50Hz / AC110V 60Hz, 32A |
| Noise | ≤605dB |
| Dimension | 830×720×1250mm |
| Weight | 300kg |

ROTOR OPIONS:

| Rotor Type | Number | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|--------|-----------------------------|-------------------|--------------|--------------------------------------|
| Angle Rotor | No.29 | 6×300ml | 6000 | 6030 | Φ62×139 |
| | No.33 | 6×500ml | 6000 | 7040 | Φ74×168 |
| Swing Rotor | No.65 | 6×1000ml (round bucket) | 4200 | 4950 | Φ100×175 |
| | | 6×1000ml (rectangle bucket) | 4200 | 4950 | For max 6pcs of 400-500ml blood bags |

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MBCF6M Non-refrigerated Floor standing Large Capacity Centrifuge



FEATURES:

1. Microprocessor control, operated by touch panel, LED and LCD display, operated data can be saved automatically, RCF value can be set directly for working, easy to use.
2. Brushless converter motor which has high torque, High speed bearing from Europe, smoothly running and maintenance-free.
3. Multistage damping system, low noise and slight vibration.
4. Steel body, stainless steel centrifugal chamber, imported key components, durable and easy to clean.
5. The function of overspeed, door interlock, imbalance protection, and emergency door open device ensures safety.
6. Proprietary SCT speed control design, fast acceleration and deceleration, high efficiency.
7. Adjustable acceleration and deceleration from grade 0 to 9, 40 self-defining operating programs can be stored and recall, achieving the best centrifugal result.
8. Proprietary SBT control technique and rotor design, to avoid mix up, ensure getting maximum specimen.
9. Hold-on and transient centrifuging, easy to diverse centrifugation.

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10. Can be fit for 5ml,7ml,10ml,15ml,30ml,50ml etc. various dimension of adaptors, which meet the customers' multiple needs.
11. Be widely used in the field of radicalization immunity, biochemistry, pharmacy research and production and so on, especially separation of blood products.

TECHNICAL PARAMETER

| | |
|----------------|---------------------------------|
| Model | MBCF6M Non-refrigerated |
| Max Speed | 6000r/min |
| Max RCF | 7040×g |
| Max Capacity | 6000ml |
| Speed Accuracy | ±10r/min |
| Time Range | 0-99h59min59sec |
| Power Supply | AC 220V 50Hz / AC110V 60Hz, 25A |
| Noise | ≤65dB |
| Dimension | 830×720×1250mm |
| Weight | 190kg |

ROTOR OPIONS

| Rotor Type | Number | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|--------|-----------------------------|-------------------|--------------|--------------------------------------|
| Angle Rotor | No.29 | 6×300ml | 6000 | 6030 | Φ62×139 |
| | No.33 | 6×500ml | 6000 | 7040 | Φ74×168 |
| Swing Rotor | No.65 | 6×1000ml (round bucket) | 4200 | 4950 | Φ100×175 |
| | | 6×1000ml (rectangle bucket) | 4200 | 4950 | For max 6pcs of 400-500ml blood bags |

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MBCF5M Low-Speed Refrigerated Centrifuge



FEATURES:

1. Microprocessor control, operated by touch panel, visual digital display, operated data can be saved automatically, RCF value can be set directly for working, easy to use.
2. Brushless converter motor which has high torque, Imported super speed bearing from Europe, smooth running and maintenance free.
3. Multistage damping system, Freon-free compressor, low noise and slight vibration.
4. Vertical and steel body, stainless steel centrifugal chamber, key components are imported, easy to clean and durable.
5. Overspeed, over temperature, door interlock, imbalance protection and emergency door open device, ensure safety.
6. Pre-cooling design for centrifugal chamber, fast cooling. Proprietary SCT speed control design, fast acceleration and deceleration, high efficiency
7. Adjustable acceleration and deceleration from grade 0 to 9, 40 kinds of self-defining operating programs can be stored and recall, to achieve the best centrifugal result.
8. Can be configured 5ml, 7ml, 10ml, 15ml, 30ml, 50ml and several kinds of adapters, to meet the customer's multiple needs.
9. Widely used in the field of radicalization immunity, biochemistry, pharmacy and so on.
10. Hold-on and transient centrifuging, easy to diverse centrifugation.

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TECHNICAL PARAMETER

| | |
|----------------------|---------------------------------|
| Model | MBCF5M |
| Max Speed | 5000r/min |
| Max RCF | 4660×g |
| Max Capacity | 3000ml |
| Speed Accuracy | ±10r/min |
| Temperature Range | -20°C-+40°C |
| Temperature Accuracy | ±1°C |
| Time Range | 0-999min/sec |
| Power Supply | AC 220V 50Hz / AC110V 60Hz, 16A |
| Noise | ≤60dB |
| Dimension | 760×630×920mm |
| Weight | 190kg |

ROTOR OPTIONS:

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|-----------|------------|-------------------|--------------|------------------------------|
| Angle Rotor | No.37 | 12×10/15ml | 5000 | 3030 | Φ16×81 |
| Swing Rotor | No.63 | 4×50/100ml | 5000 | 4660 | Φ28×114/Φ38×124 |
| | No.69-1 | 4×500ml | 4000 | 3150 | Φ80×140 |
| | No.69-2 | 96×5/7ml | 4000 | 3150 | Vacuum Blood Collection Tube |
| | No.70-1 | 4×250ml | 4000 | 2930 | Φ64×112 |
| | No.70-2 | 48×5/7ml | 4000 | 2930 | Vacuum Blood |

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| | | | | | |
|-------------------|---------|-------------|------|------|------------------------------|
| | No.70-3 | 72×5/7ml | 4000 | 2930 | Collection Tube |
| | No.71-1 | 4×750ml | 4000 | 3350 | Φ99×128 |
| | No.71-2 | 120×5/7ml | 4000 | 3350 | Vacuum Blood Collection Tube |
| | No.81-1 | 8×50/100ml | 4000 | 2960 | Φ28×114/Φ38×124 |
| | No.81-2 | 32×10/15ml | 4000 | 2960 | Φ16×114-118 |
| | No.97 | 6×500ml | 4000 | 3870 | Φ80×140 |
| Micro Plate Rotor | No.43-1 | 2×2×96Wells | 4000 | 2540 | PCR/Microtiter Plate |

MBCF5M Non-refrigerated Low-Speed And Large Capacity Centrifuge



FEATURES:

1. Microprocessor control, operated by touch panel, visual digital display, operated data can be saved automatically, RCF value can be set directly for working, easy to use.
2. Brushless converter motor which has high torque, Imported super speed bearing from Europe, smooth running and maintenance free.
3. Multistage damping system, low noise and slight vibration.
4. Vertical and steel body, stainless steel centrifugal chamber, key components are imported, easy to clean and durable.

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5. Overspeed, door interlock, imbalance protection functions and emergency door open device, ensure safety.
6. Special air current design, the temperature of centrifuge chamber is stable. Proprietary SCT speed control design, fast acceleration and deceleration, high efficiency
7. Adjustable acceleration and deceleration from grade 0 to 9, 40 self-defining operating programs can be stored and recalled, to achieve the best centrifugal result.
8. Can be configured 5ml, 7ml, 10ml, 15ml, 30ml, 50ml and several kinds of adapters, to meet the customer's multiple needs.
9. Hold-on and transient centrifuging, easy to diverse centrifugation.

TECHNICAL PARAMETER

| | |
|----------------|-------------------------------|
| Model | MBCF5M Non-refrigerated |
| Max Speed | 5000r/min |
| Max RCF | 4660×g |
| Max Capacity | 3000ml |
| Speed Accuracy | ±10r/min |
| Time Range | 0-999min/sec |
| Power Supply | AC 220V 50Hz / 110V 60Hz, 10A |
| Noise | ≤65dB |
| Dimension | 760×630×920mm |
| Weight | 150kg |

ROTOR OPTIONS:

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|-----------|------------|-------------------|--------------|------------------------|
| Angle Rotor | No.37 | 12×10/15ml | 5000 | 3030 | Φ16×81 |
| Swing Rotor | No.63 | 4×50/100ml | 5000 | 4660 | Φ28×114/Φ38×124 |
| | No.69-1 | 4×500ml | 4000 | 3150 | Φ80×140 |

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| | | | | | |
|-------------------|---------|-------------|------|------|------------------------------|
| | No.69-2 | 96×5/7ml | 4000 | 3150 | Vacuum Blood Collection Tube |
| | No.70-1 | 4×250ml | 4000 | 2930 | Φ64×112 |
| | No.70-2 | 48×5/7ml | 4000 | 2930 | Vacuum Blood Collection Tube |
| | No.70-3 | 72×5/7ml | 4000 | 2930 | Vacuum Blood Collection Tube |
| | No.71-1 | 4×750ml | 4000 | 3350 | Φ99×128 |
| | No.71-2 | 120×5/7ml | 4000 | 3350 | Vacuum Blood Collection Tube |
| | No.81-1 | 8×50/100ml | 4000 | 2960 | Φ28×114/Φ38×124 |
| | No.81-2 | 32×10/15ml | 4000 | 2960 | Φ16×114-118 |
| | No.97 | 6×500ml | 4000 | 3870 | Φ80×140 |
| Micro Plate Rotor | No.43-1 | 2×2×96Wells | 4000 | 2540 | PCR/Microtiter Plate |

MBCF20M-II Table-Type High-Speed Large Capacity Refrigerated Centrifuge



FEATURES:

1. Microprocessor control, operated by touch panel, LED display, operated data can be saved automatically, RCF value can be set directly for working, easy to use.
2. Brushless converter motor which has high torque, Imported super speed bearing from Europe, smooth running and maintenance free.
3. Multistage damping system, Freon-free compressor, low noise and slight vibration.
4. Bench-top model and steel body, stainless steel centrifugal chamber, key components are imported, easy to clean and durable.

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5. Equipped with identification system, overspeed, over temperature, door interlock, imbalance protection function, and emergency door open device, ensure operation safety..
6. Pre-cooling design for centrifugal chamber, fast cooling, special SCT speed control design, fast acceleration and deceleration, high efficiency.
7. Adjustable acceleration and deceleration from grade 0 to 9, 40 kinds of self-defining operating programs can be stored and recall, to achieve the best centrifugal result.
8. Hold-on and transient centrifuging, easy to diverse centrifugation
9. Multifunctional, supports not only high speed, but also low speed with large capacity swing rotor.

TECHNICALPARAMETER

| | |
|----------------------|---------------------------------------|
| Model | MBCF20M-II |
| Max Speed | 21000r/min |
| Max RCF | 31300×g |
| Max Capacity | Swing rotor 3000ml, angle rotor 600ml |
| Speed Accuracy | ±20r/min |
| Temperature Range | -20°C-+40°C |
| Temperature Accuracy | ±1°C |
| Time Range | 0-999min/sec |
| Power Supply | AC 220V 50Hz / AC110V 60Hz, 10A |
| Noise | ≤60dB |
| Dimension | 670×750×440mm |
| Weight | 110kg |

ROTOR OPTIONS:

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|-----------|--------------|-------------------|--------------|------------------------|
| Angle Rotor | No.6-1 | 12×1.5/2.0ml | 21000 | 31300 | Φ10×42 |

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| | | | | | |
|------------------------|---------|--------------|-------|-------|------------------------------|
| | No.6-2 | 18×0.5 ml | 21000 | 31300 | Φ8×32 |
| | No.9 | 24×1.5/2.0ml | 16000 | 25470 | Φ10×42 |
| | No.12 | 10×5ml | 16000 | 18600 | Φ14×54 |
| | No.16 | 12×10ml | 15000 | 22640 | Φ16×81 |
| | No.22 | 6×50ml | 14000 | 22130 | Φ28×105 |
| | No.26 | 12×15ml | 11000 | 14810 | Φ16×115 |
| | No.52-2 | 8×50ml | 10000 | 12010 | Φ29×107 |
| | No.53 | 12×30ml | 8000 | 8300 | Φ25×94 |
| | No.54 | 20×10ml | 10000 | 10780 | Φ16×81 |
| | No.56-1 | 48×1.5/2.0ml | 13000 | 14740 | Φ10×42 |
| | No.56-2 | 4×8×0.2ml | 13000 | 14740 | 8strip tubes |
| | No.56-3 | 8×8×0.2ml | 13000 | 14740 | 8strip tubes |
| | No.58 | 36×1.5/2.0ml | 15000 | 20870 | Φ10×42 |
| | No.59 | 6×100ml | 11000 | 16910 | Φ38×124 |
| Microtiter Plate Rotor | No.43-1 | 2×2×96 Wells | 4000 | 2540 | PCR/Microtiter Plate |
| | No.43-2 | 2×48 Wells | 4000 | 2540 | |
| Swing Rotor | No.63 | 4×50/100ml | 5000 | 4660 | Φ38×124 |
| | No.69-1 | 4×500ml | 4000 | 3150 | Φ80×140 |
| | No.69-2 | 72×5/7ml | 4000 | 3150 | Vacuum Blood Collection Tube |
| | No.69-3 | 96×5/7ml | 4000 | 3150 | |
| | No.69-4 | 120×5ml | 4000 | 3150 | |
| | No.70-1 | 4×250ml | 4000 | 2930 | Φ64×112 |
| | No.70-2 | 48×5/7ml | 4000 | 2930 | Vacuum Blood Collection Tube |
| | No.71-1 | 4×750ml | 4000 | 3350 | Φ99×128 |
| | No.81-1 | 8×50/100ml | 4000 | 2960 | Φ28×105-115 |
| | No.81-2 | 32×10/15ml | 4000 | 2960 | Φ16×114-118 |

MBCF20M Table-Type High-Speed Refrigerated Centrifuge



FEATURES:

1. Microprocessor control, operated by touch panel, visual digital display, operated data can be saved automatically, RCF value can be set directly for working, easy to use.
2. Brushless converter motor which has high torque, Imported super speed bearing from Europe, smooth running and maintenance free.
3. Multistage damping system, the Freon-free compressor from Europe, low noise and slight vibration.
4. Bench-top model and steel body, stainless steel centrifugal chamber, key components are imported, easy to clean and durable.
5. Equipped with overspeed, over temperature, door interlock, imbalance protection functions, and emergency door open device, ensure safety. The rotor can be high temperature & high pressure sterilization.
6. Adjustable acceleration and deceleration from grade 0 to 9, 40 kinds of self-defining operating programs can be stored and recall, to achieve the best centrifugal result.
7. Hold-on and transient centrifuging, easy to diverse centrifugation

TECHNICAL PARAMETER

| | |
|----------------------|-----------------------------|
| Model | MBCF20M |
| Speed Accuracy | ±20r/min |
| Max Capacity | 600ml |
| Temperature Range | -20°C-+40°C |
| Temperature Accuracy | ±1°C |
| Time Range | 0-999min/sec |
| Power Supply | AC 220V 50Hz/110V 60Hz, 10A |
| Noise | ≤60dB |

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| | |
|-----------|---------------|
| Dimension | 585×630×370mm |
| Weight | 95kg |

ROTOR OPTIONS:

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------------|-----------|--------------|-------------------|--------------|------------------------|
| Angel Rotor | No.6-1 | 12×1.5/2.0ml | 20500 | 29600 | Φ10×42 |
| | No.6-2 | 18×0.5ml | 20500 | 29600 | Φ8×32 |
| | No.9 | 24×1.5/2.0ml | 16000 | 25470 | Φ10×42 |
| | No.12 | 10×5ml | 16000 | 18600 | Φ14×54 |
| | No.16 | 12×10ml | 15000 | 22640 | Φ16×81 |
| | No.56-1 | 48×1.5/2.0ml | 13000 | 14740 | Φ10×42 |
| | No.22 | 6×50ml | 13000 | 19080 | Φ28×105 |
| | No.52-1 | 8×15ml | 12000 | 16740 | Φ16×115 |
| | No.59 | 6×100ml | 10000 | 13975 | Φ38×124 |
| Micro Plate Rotor | No.43-2 | 2×48Wells | 3000 | 1170 | Microtiter Plate |

MBCF16M Benchtop High Speed Refrigerated Centrifuge



FEATURES:

1. Microprocessor control, operated by touch panel, visual digital display, operated data can be saved automatically, RCF value can be set directly for working, easy to use.
2. Brushless motor which has high torque, multistage damping system, imported super speed bearing from Europe, smooth running and maintenance free.

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3. Freon-free compressor, fast cooling and low noise, unique pre-cooling design, green and high efficiency.
4. Bench-top model and steel body, stainless steel centrifugal chamber, key components are imported, easy to clean and durable.
5. Equipped with overspeed, over temperature, door interlock, imbalance protection functions, and emergency door open device, ensure safety. The rotor can be high temperature & high pressure sterilization.
6. Adjustable acceleration and deceleration from grade 0 to 9, 40 kinds of self-defining operating programs can be stored and recall, to achieve the best centrifugal result.
7. Hold-on and transient centrifuging, easy to diverse centrifugation

TECHNICALPARAMETER

| | |
|----------------------|---------------------------------|
| Model | MBCF16M |
| Speed Accuracy | ±20r/min |
| Temperature Range | -20℃ -+40℃ |
| Temperature Accuracy | ±1℃ |
| Time Range | 0-999min/sec |
| Power Supply | AC 220V 50Hz / AC110V 60Hz, 10A |
| Noise | ≤60dB |
| Dimension & N.W | 585×630×370mm, 90kg |

MBCF16M ROTOR OPTIONS:

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------------|-----------|--------------|-------------------|--------------|------------------------|
| Angel Rotor | No.6-1 | 12×1.5/2.0ml | 16600 | 19560 | Φ10×42 |
| | No.6-2 | 18×0.5ml | 16600 | 19560 | Φ8×32 |
| | No.9 | 24×1.5/2.0ml | 13000 | 16810 | Φ10×42 |
| | No.12 | 10×5ml | 13000 | 12280 | Φ14×54 |
| | No.16 | 12×10ml | 12000 | 14480 | Φ16×81 |
| | No.56-1 | 48×1.5/2.0ml | 13000 | 14740 | Φ10×42 |
| | No.22 | 6×50ml | 12000 | 16260 | Φ28×105 |
| | No.52-1 | 8×15ml | 12000 | 16740 | Φ16×115 |
| | No.59 | 6×100ml | 10000 | 13975 | Φ38×124 |
| Micro Plate Rotor | No.43-2 | 2×48Wells | 3000 | 1170 | Microtiter Plate |

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MBCF18G-II TABLE-TYPE HIGH-SPEED CENTRIFUGE



FEATURES:

1. Microprocessor control, operated by touch panel, visual digital display, operated data can be saved automatically, RCF value can be set directly for working, easy to use.
2. Brushless converter motor which has high torque, Imported super speed bearing from Europe, smooth running and maintenance free.
3. Multistage damping system, low noise and slight vibration, green.
4. Bench-top model and steel body, stainless steel centrifugal chamber, key components are imported, easy to clean and durable.
5. Equipped with identification system, overspeed, door interlock, imbalance protection function, and emergency door open device, ensure operation safety.
6. Proprietary airflow guide air-cooling design, small temperature rise, effectively maintain sample activity.
7. Particular SCT speed control design, fast acceleration and deceleration, high efficiency.
8. Adjustable acceleration and deceleration from grade 0 to 9, 40 kinds of self-defining operating programs can be stored and recalled, to achieve the best centrifugal result.
9. Multifunctional, supports not only high speed, but also low speed with large capacity swing rotor.
10. Hold-on and transient centrifuging, easy to diverse centrifugation.

TECHNICAL PARAMETES:

| | |
|--------------|---------------------------------------|
| Model | MBCF18G-II |
| Max Speed | 18600r/min |
| Max RCF | 24560×g |
| Max Capacity | Swing rotor 2000ml, Angle rotor 600ml |

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| | |
|----------------|--------------------------------|
| Speed Accuracy | ±20r/min |
| Time Range | 0-999min/sec |
| Power Supply | AC 220V 50Hz / AC110V 60Hz,10A |
| Noise | ≤65dB |
| Dimension | 460×570×440mm |
| Weight | 65kg |

MBCF18G-II ROTOR OPTIONS:

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|-----------|--------------|----------------------|-----------------|--|
| Angle Rotor | No.6-1 | 12×1.5/2.0ml | 18600 | 24560 | Φ10×42 |
| | No.6-2 | 18×0.5 ml | 18600 | 24560 | Φ8×32 |
| | No.9 | 24×1.5/2.0ml | 15000 | 22380 | Φ10×42 |
| | No.12 | 10×5ml | 16000 | 18600 | Φ14×54 |
| | No.16 | 12×10ml | 15000 | 22640 | Φ16×81 |
| | No.22 | 6×50ml | 12000 | 16260 | Φ28×105 |
| | No.31 | 4×100ml | 10000 | 12290 | Φ38×124 |
| | No.56-1 | 48×1.5/2.0ml | 13000 | 14740 | Φ10×42 |
| | No.52-1 | 8×15ml | 12000 | 16740 | Φ16×118 |
| | No.59 | 6×100ml | 10000 | 13975 | Φ38×124 |
| Micro Plate | No.43-1 | 2×2×96 Wells | 4000 | 2540 | PCR/ Microtiter Plate |
| | No.43-2 | 2×48 Wells | 4000 | 2540 | |
| Swing Rotor | No.63 | 4×50/100ml | 5000 | 4660 | Φ38×124 |
| | No.69-1 | 4×500ml | 4000 | 3150 | Φ80×140 Vacuum Blood Collection Tube |
| | No.69-2 | 72×5/7ml | 4000 | 3150 | |
| | No.69-3 | 96×5/7ml | 4000 | 3150 | |
| | No.70-1 | 4×250ml | 4000 | 2930 | Φ64×112 |
| | No.70-2 | 48×5/7ml | 4000 | 2930 | Vacuum Blood Collection Tube |
| | No.81-1 | 8×50/100ml | 4000 | 2960 | Φ28×105-115 |

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| | | | | |
|---------|------------|------|------|-------------|
| No.81-2 | 32×10/15ml | 4000 | 2960 | Φ16×114-118 |
|---------|------------|------|------|-------------|

MBCF18G, MBCF16G, MBCF16B TABLE-TYPE HIGH-SPEED CENTRIFUGE



MBCF18G

MBCF16B

FEATURES:

1. Microprocessor control, operated by touch panel, visual digital display, operated data can be saved automatically, RCF value can be set directly for working, easy to use.
2. Brushless converter motor which has high torque, Imported super speed bearing from Europe, smooth running and maintenance free.
3. Multistage damping system, low noise and slight vibration, green.
4. Steel body, stainless steel centrifugal chamber, key components are imported, easy to clean and durable.
5. Equipped with identification system, overspeed, door interlock, imbalance protection function, and emergency door open device, ensure operation safety. The rotor can be high temperature & high pressure sterilization.
6. Proprietary airflow guide air-cooling design, small temperature rise, effectively maintain sample activity. Proprietary SCT speed control design, fast acceleration and deceleration, high efficiency.
7. Adjustable acceleration and deceleration from grade 0 to 9, 40 kinds of self-defining operating programs can be stored and recall, to achieve the best centrifugal result.
8. Hold-on and transient centrifuging, easy to diverse centrifugation

TECHNICALPARAMETER:

| Model | MBCF18G | MBCF16G | MBCF16B |
|--------------|------------|------------|------------|
| Max Speed | 18600r/min | 16600r/min | 16000r/min |
| Max RCF | 24560×g | 19560×g | 18170×g |
| Max Capacity | 600ml | 600ml | 50ml |

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| | | | |
|----------------|------------------------------------|------------------------------------|-----------------------------------|
| Speed Accuracy | ±20r/min | | |
| Time Range | 0-999min/sec | | 0-99min |
| Power Supply | AC 220V 50Hz / AC110V 60Hz, 10A | AC 220V 50Hz / AC110V 60Hz, 10A | AC 220V 50Hz / AC110V 60Hz, 8A |
| Noise | ≤60dB | | |
| Dimension | 460×350×320mm | | 280×380×230mm |
| Weight | 30 kg | 30kg | 14kg |

MBCF18G ROTOR OPTIONS

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|------------------|-----------|--------------|----------------------|-----------------|---------------------------|
| Angle Rotor | No.6-1 | 12×1.5/2.0ml | 18600 | 24560 | Φ10×42 |
| | No.6-2 | 18×0.5ml | 18600 | 24560 | Φ8×32 |
| | No.9 | 24×1.5/2.0ml | 15000 | 22380 | Φ10×42 |
| | No.12 | 10×5ml | 13000 | 12280 | Φ14×54 |
| | No.16 | 12×10ml | 12000 | 14480 | Φ16×81 |
| | No.56-1 | 48×1.5/2.0ml | 13000 | 14740 | Φ10×42 |
| | No.22 | 6×50ml | 12000 | 16260 | Φ28×105 |
| | No.52-1 | 8×15ml | 10000 | 11620 | Φ16×115 |
| | No.59 | 6×100ml | 10000 | 13975 | Φ38×124 |
| Microplate rotor | No.44 | 2×48 Wells | 3000 | 1170 | Microtiter Plate |

MBCF16G ROTOR OPTIONS

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|-----------|--------------|----------------------|-----------------|---------------------------|
| Angle Rotor | No.6-1 | 12×1.5/2.0ml | 16600 | 19560 | Φ10×42 |
| | No.6-2 | 18×0.5ml | 16600 | 19560 | Φ8×32 |
| | No.9 | 24×1.5/2.0ml | 13000 | 16810 | Φ10×42 |
| | No.12 | 10×5ml | 13000 | 12280 | Φ14×54 |
| | No.16 | 12×10ml | 12000 | 14480 | Φ16×81 |

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| | | | | | |
|------------------|---------|--------------|-------|-------|------------------|
| | No.56-1 | 48×1.5/2.0ml | 13000 | 14740 | Φ10×42 |
| | No.22 | 6×50ml | 12000 | 16260 | Φ28×105 |
| | No.52-2 | 8×15ml | 10000 | 11620 | Φ16×115 |
| | No.59 | 6×100ml | 10000 | 13975 | Φ38×124 |
| Microplate rotor | No.44 | 2×48Wells | 3000 | 1170 | Microtiter Plate |

MBCF16B ROTOR OPTIONS

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|-----------|--------------|-------------------|--------------|------------------------|
| Angle Rotor | No.6-1 | 12×1.5/2.0ml | 16000 | 18170 | Φ10×42 |
| | No.6-2 | 18×0.5ml | 16000 | 18170 | Φ8×32 |
| | No.12 | 10×5ml | 13000 | 12280 | Φ14×54 |

MBCFL5M-II TABLE-TYPE LOW-SPEED LARGE CAPACITY REFRIGERATED CENTRIFUGE



FEATURES:

1. Microprocessor control, operated by touch panel, LED display, operated data can be saved automatically, RCF value can be set directly for working, easy to use.
2. Brushless converter motor which has high torque, Imported super speed bearing from Europe, smooth running and maintenance free.
3. Multistage damping system, Freon-free compressor, low noise and slight vibration, green.
4. Steel body, stainless steel centrifugal chamber, key components are imported, easy to clean and durable.
5. Equipped with identification system, overspeed, over temperature, door interlock, imbalance protection function, and emergency door open device, ensure operation safety. The rotor can be high temperature & high pressure sterilization

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- 6.Pre-cooling design for centrifugal chamber, fast cooling. Proprietary SCT speed control design, fast acceleration and deceleration, high efficiency
- 7.Adjustable acceleration and deceleration from grade 0 to 9, 40 kinds of self-defining operating programs can be stored and recalled, to achieve the best centrifugal result.
- 8.Hold-on and transient centrifuging, easy to diverse centrifugation.
- 9.Can be configured 5ml, 7ml, 10ml, 15ml, 30ml,50ml and several kinds of adapters, to meet the customer's multiple needs.

TECHNICALPARAMETER

| | |
|----------------------|--------------------------------|
| Model | MBCFL5M-II |
| Max Speed | 5500r/min |
| Max RCF | 5640×g |
| Max Capacity | 3000ml |
| Speed Accuracy | ±20r/min |
| Temperature Range | -20°C-+40°C |
| Temperature Accuracy | ±1°C |
| Time Range | 0-999min/sec |
| Power Supply | AC 220V 50Hz / AC110V 60Hz,10A |
| Noise | ≤60dB |
| Dimension | 670×750×440mm |
| Weight | 110kg |

ROTOR OPTIONS

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|-----------|------------|----------------------|-----------------|---------------------------------|
| Swing Rotor | No.63 | 4×50/100ml | 5500 | 5640 | Φ38×124 |
| | No.69-1 | 4×500ml | 4000 | 3150 | Φ80×140 |
| | No.69-2 | 72×5/7ml | 4000 | 3150 | Vacuum Blood Collection Tube |

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| | | | | | |
|------------------------|---------|--------------|------|------|------------------------------|
| | No.69-3 | 96×5/7ml | 4000 | 3150 | |
| | No.69-4 | 120×5ml | 4000 | 3150 | |
| | No.70-1 | 4×250ml | 4000 | 2930 | Φ64×112 |
| | No.70-2 | 48×5/7ml | 4000 | 2930 | Vacuum Blood Collection Tube |
| | No.71-1 | 4×750ml | 4000 | 3350 | Φ99×128 |
| | No.81-1 | 8×50/100ml | 4000 | 2960 | Φ28×105-115 |
| | No.81-2 | 32×10/15ml | 4000 | 2960 | Φ16×114-118 |
| | No.81-3 | 24×10/15ml | 4000 | 2960 | Φ16×114-118 |
| Microtiter Plate Rotor | No.43-1 | 2×2×96 Wells | 4000 | 2540 | PCR/Microtiter Plate |

MBCFL5M TABLE TYPE LOW-SPEED REFRIGERATED CENTRIFUGE



FEATURES:

1. Microprocessor control, operated by touch panel, visual digital display, operated data can be saved automatically, RCF value can be set directly for working, easy to use.
2. Brushless converter motor which has high torque, Imported super speed bearing from Europe, smooth running and maintenance free.
3. Steel body, multistage damping system, low noise and slight vibration, green.
4. Freon-free compressor, stainless steel centrifugal chamber, fast cooling, pre-cooling design makes high working efficiency.
5. Equipped with identification system, overspeed, over temperature, door interlock, imbalance protection function, ensure operation safety. The rotor can be high temperature & high pressure sterilization

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6.Can be configured 5ml, 7ml, 10ml, 15ml, 30ml,50ml and several kinds of adapters, to meet the customer's multiple needs.

7.Adjustable acceleration and deceleration from grade 0 to 9 , 40 kinds of self-defining operating programs can be stored and recalled, to achieve the best centrifugal result.

8.Hold-on and transient centrifuging, easy to diverse centrifugation.

TECHNICALPARAMETER

| | |
|----------------------|--------------------------------|
| Model | MBCFL5M |
| Max Speed | 5000r/min |
| Max RCF | 4660×g |
| Max Capacity | 1000ml |
| Speed Accuracy | ±20r/min |
| Temperature Range | -20°C-+40°C |
| Temperature Accuracy | ±1°C |
| Time Range | 0-999min/sec |
| Power Supply | AC 220V 50Hz / AC110V 60Hz,10A |
| Noise | ≤60dB |
| Dimension | 670×750×440mm |
| Weight | 95kg |

ROTOR OPTIONS

| Rotor Type | Number | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|---------|------------|----------------------|--------------|---------------------------------|
| Swing Rotor | No.63 | 4×50/100ml | 5000 | 4660 | Φ38×124 |
| | No.69-2 | 72×5/7ml | 4000 | 3150 | Vacuum Blood Collection Tube |
| | No.69-3 | 96×5/7ml | 4000 | 3150 | |
| | No.70-1 | 4×250ml | 4000 | 2930 | Φ64×112 |
| | No.70-2 | 48×5/7ml | 4000 | 2930 | Vacuum Blood Collection Tube |

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| | | | | | |
|------------------------|---------|--------------|------|------|--------------------------|
| | No.81-1 | 32×10/15ml | 4000 | 2960 | Φ16×114-118 |
| | No.81-2 | 8×50/100ml | 4000 | 2960 | Φ28×105-115 |
| | No.81-3 | 24×10/15ml | 4000 | 2960 | Φ16×114-118 |
| Microtiter Plate Rotor | No.43-1 | 2×2×96 Wells | 4000 | 2540 | PCR/ Microtiter Plate |

MBCF5A TABLE-TYPE LOW-SPEED CENTRIFUGE



FEATURES:

1. Microprocessor control, operated by touch panel, visual digital display, operated data can be saved automatically, RCF value can be set directly for working, easy to use.
2. Brushless motor, imported super speed bearing from Europe, smooth running and maintenance free.
3. Steel body, stainless steel centrifugal chamber, multistage damping system, low noise and slight vibration, green.
4. With overspeed, door interlock, imbalance protections, the rotor can be high temperature & high pressure sterilization, ensure safety.
5. Special air current design, the temperature of centrifuge chamber is stable, can effectively protect the samples.
6. Adjustable acceleration and deceleration from grade 0 to 9, 40 kinds of self-defining operating programs can be stored and recalled, to achieve the best centrifugal result.
7. Hold-on and transient centrifuging, easy to diverse centrifugation.

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TECHNICALPARAMETER:

| | |
|----------------|---------------------------------|
| Model | MBCF5A |
| Max Speed | 5500r/min |
| Max RCF | 5640×g |
| Max Capacity | 2000ml |
| Speed Accuracy | ±20r/min |
| Time Range | 0-999min/sec |
| Power Supply | AC 220V 50Hz / AC110V 60Hz, 10A |
| Noise | ≤60dB |
| Dimension | 560×460×390mm |
| Weight | 58kg |

MBCF5A ROTOR OPTIONS:

| Rotor Type | Number | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|----------------------|---------|--------------|----------------------|-----------------|---------------------------------|
| Swing Rotor | No.63 | 4×50/100ml | 5500 | 5640 | Φ38×124 |
| | No.69-1 | 4×500ml | 4000 | 3150 | Φ80×140 |
| | No.69-2 | 72×5/7ml | 4000 | 3150 | Vacuum Blood Collection Tube |
| | No.69-3 | 96×5/7ml | 4000 | 3150 | |
| | No.70-1 | 4×250ml | 4000 | 2930 | Φ64×112 |
| | No.70-2 | 48×5/7ml | 4000 | 2930 | Vacuum Blood Collection Tube |
| | No.81-1 | 32×10/15ml | 4000 | 2960 | Φ16×114-118 |
| | No.81-2 | 8×50/100ml | 4000 | 2960 | Φ28×105-115 |
| | No.81-3 | 24×10/15ml | 4000 | 2960 | Φ16×114-118 |
| Micro Plate Rotor | No.43-1 | 2×2×96 Wells | 4000 | 2540 | PCR/ Micro Plate |

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MBCF5B Centrifuge With Function Of Removing The Tube Caps Automatically



FEATURES:

1. Microprocessor control, operated by touch panel, visual digital display, operated data can be saved automatically, RCF value can be set directly for working, easy to use.
2. Brushless motor, imported super speed bearing from Europe, smooth running and maintenance free.
3. Steel body, stainless steel centrifugal chamber, multistage damping system, low noise and slight vibration, green.
4. With overspeed, door interlock, imbalance protection, the rotor can be high temperature & high pressure sterilization, ensure safety.
5. Special air current design, the temperature of centrifuge chamber is stable, can effectively protect the samples.
6. Adjustable acceleration and deceleration from grade 0 to 9 , 40 kinds of self-defining operating programs can be stored and recalled, to achieve the best centrifugal result.
7. Hold-on and transient centrifuging, easy to diverse centrifugation.
8. Remove the cap of tube automatically, reduce the risk of infection

TECHNICAL PARAMETER

| | |
|----------------|---------------------------------|
| Model | MBCF5B |
| Max Speed | 5500r/min |
| Max RCF | 5640×g |
| Max Capacity | 96×5/7ml |
| Speed Accuracy | ±20r/min |
| Time Range | 0-999min/sec |
| Power Supply | AC 220V 50Hz / AC110V 60Hz, 10A |
| Noise | ≤60dB |
| Dimension | 550×460×400mm |
| Weight | 65kg |

MBCF5B ROTOR OPTIONS:

| Rotor Type | Number | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|---------|------------|-------------------|--------------|------------------------------|
| Swing Rotor | No.63 | 4×50/100ml | 5500 | 5640 | Φ38×124 |
| | No.69-2 | 72×5/7ml | 4000 | 3150 | Vacuum Blood Collection Tube |
| | No.69-3 | 96×5/7ml | 4000 | 3150 | |
| | No.70-2 | 48×5/7ml | 4000 | 2930 | |

MBCF6M, TD5G LOW-SPEED TABLE-TYPE CENTRIFUGE



FEATURES:

1. Brushless DC motor, maintenance free.
2. Controlled by microcomputer with touching panel and digital display. Easy to operate
3. Steel body, stainless steel centrifugal chamber, corrosion resistant and easy to clean, ensure safety, stability.
4. Arbitrarily setting the parameter of speed, time and other parameters. Easy to use.
5. Adjustable acceleration and deceleration from grade 0 to 9 , 40 kinds of self-defining operating programs can be stored and recall, to achieve the best centrifugal result.
6. Hold-on and transient centrifuging, easy to diverse centrifugation.

TECHNICALPARAMETER:

| Model | MBCF6M Low-speed | TD5G |
|----------------|--------------------------------|-----------|
| Max Speed | 6000r/min | 5000r/min |
| Max RCF | 5120×g | 3550×g |
| Max Capacity | 300ml | |
| Speed Accuracy | ±20r/min | |
| Time Range | 0-999min/sec | |
| Power Supply | AC 220V 50Hz / AC110V 60Hz, 8A | |
| Noise | ≤60dB | |
| Dimension | 340×400×270mm | |

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| | |
|--------|------|
| Weight | 20kg |
|--------|------|

MBCF6M Low Speed ROTOR OPTIONS:

| Rotor Type | Number | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|--------|----------|-------------------|--------------|------------------------|
| Angle Rotor | No.38 | 4×50ml | 6000 | 5120 | Φ38×124 |
| | No.38 | 6×50ml | 6000 | 5120 | Φ38×124 |
| | No.37 | 12×10ml | 6000 | 5120 | Φ16×82 |
| | No.37 | 12×15ml | 6000 | 5120 | Φ16×115 |

TD5G ROTOR OPTIONS:

| Rotor Type | Number | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|--------|----------|-------------------|--------------|------------------------|
| Angle Rotor | No.38 | 4×50ml | 5000 | 3550 | Φ38×124 |
| | No.38 | 6×50ml | 5000 | 3550 | Φ38×124 |
| | No.37 | 12×10ml | 5000 | 3550 | Φ16×82 |
| | No.37 | 12×15ml | 5000 | 3550 | Φ16×115 |

MBCF4 TABLE-TYPE LOW-SPEED CENTRIFUGE



FEATURES:

1. Microprocessor control system, brushless motor, digital display of speed, RCF and time, over-speed protection.
2. Can set speed, RCF start, can change the parameters during centrifuge running to achieve the best centrifugation effect.
3. Self-balance, no need to do balancing.
4. Small size, easy to use
5. Widely used in hospital, chemistry laboratory and so on.

TECHNICALPARAMETER

| | |
|----------------|--------------------------------|
| Model | MBCF4 |
| Max Speed | 4000r/min |
| Max RCF | 1880×g |
| Max Capacity | 200ml |
| Speed Accuracy | ±20r/min |
| Time Range | 0-99min |
| Power Supply | AC 220V 50Hz / AC110V 60Hz, 2A |

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| | |
|-----------|---------------|
| Noise | ≤55dB |
| Dimension | 283×220×265mm |
| Weight | 6kg |

ROTOR OPTIONS:

| Rotor Type | Number | Capacity | Max Speed (r/min) | Max RCF (×g) |
|-------------|----------|----------|-------------------|------------------------------|
| Angle Rotor | 8×10ml | 4000 | 1790 | Φ16×82 |
| | 8×15ml | 4000 | 1880 | Φ16×115 |
| | 12×5/7ml | 4000 | 1540 | Vacuum Blood Collection Tube |
| | 4×50ml | 4000 | 1880 | Φ28×114 |

MBCF-D5Y MBCF-T5Y CRUDE OIL MOISTURE DETERMINING CENTRIFUGE



FEATURES:

1. Microprocessor control, operated by touch panel, LCD display, operated data can be saved automatically, RCF value can be set directly for working, easy to use.
2. Brushless converter motor which has high torque, High speed bearing from Europe, smoothly running and maintenance-free.

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3. Multistage damping system, low noise and slight vibration, green.
4. Steel body, stainless steel centrifugal chamber, imported key components, durable and easy to clean.
5. Overspeed, over temperature, door interlock, imbalance protection functions, the function of rotor service life calculation, ensure operation safety.
6. Proprietary high-power heating design, quick temperature-rise. Proprietary SCT speed control, fast acceleration and deceleration, high efficiency.
7. Adjustable acceleration and deceleration from grade 0 to 9, 40 kinds of self-defining operating models can be stored and recall, to achieve the best centrifugal result.
8. Hold-on and transient centrifuging, easy to diverse centrifugation..
9. According with the standard GB/T6533-86 (CRUDE OIL MOISTURE DETERMINING is designed according to the water and sediment determining in crude oil). It can meet the requirements of GB/T6533-86 & ASTM D4007 standards, and make use of separation to determine the water and deposit in crude oil. It is perfect equipment for moisture determination in oil exploration and research institute.

TECHNICAL PARAMETER:

| Model | MBCF-D5Y | MBCF-T5Y |
|-------------------|---|--------------------------------|
| Max Speed | 4000r/min | 4000 r/min |
| Max RCF | 4300×g | 3100×g |
| Max Capacity | 4×100ml, 32×10ml Oil centrifuge tube | 24×10ml Oil centrifuge tube |
| Temperature Range | RT-+80°C | |
| Time Range | 0-999min/sec | |
| Power Supply | AC 220V 50Hz / AC110V 60Hz, 16A | |
| Noise | ≤60dB | |
| Dimension | 760×630×920mm | 630×500×420mm |
| Weight | 108kg | 85kg |

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MBCF5F TABLE FILTRATION CENTRIFUGE



FEATURES:

1. Brushless motor, free maintenance.
2. Microprocessor control, operated by touching panel, digital display. It's easy to operate.
3. Steel body, stainless steel centrifugal chamber, corrosion resistant and easy to clean, ensure security and stability.
4. continuous centrifugal and automatic filtering system, high efficiency filter.

TECHNICALPARAMETER

| | |
|--------------|---------------------------------|
| Model | MBCF5F |
| Max Speed | 4000r/min |
| Max RCF | 1968×g |
| Max Capacity | 5000ml/min |
| Time Range | 0-99min |
| Power Supply | AC 220V 50Hz / AC110V 60Hz, 10A |
| Noise | ≤60dB |
| Dimension | 350×340×430 (mm) |

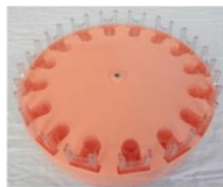
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| | |
|--------|------|
| Weight | 40kg |
|--------|------|

MBCF4B CELL SMEAR CENTRIFUGE



FEATURES:

- 1.Brushless DC motor, maintenance free.
- 2.Microprocessor control, operated by touching panel, digital display.Easy to operate
- 3.Steel body, stainless steel centrifugal chamber, corrosion resistant and easy to clean, ensure security, stability.
- 4.Arbitrarily setting the parameter of speed, time and other parameters. Easy to use.
- 5.It is the essential equipment in the cell serology laboratory, Test of Combs blood center, medical university & hospital and medical research institutes.

TECHNICAL PARAMETER

| | |
|--------------|---------------------------|
| Model | MBCF4B |
| Max Speed | 4000r/min |
| Max RCF | 2370×g |
| Max Capacity | 12/16×(0.1~4)ml Slides |
| Motor | Brushless Motor |
| Time Range | 0-999min/sec |
| Power Supply | AC220V 50Hz/110V 60Hz, 5A |
| Dimension | 350×420×270 (mm) |
| Weight | 25kg |

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MBCF4M BLOOD WASHING CENTRIFUGE



FEATURES:

- 1、 Brushless motor, maintenance-free
- 2、 Controlled by Microprocessor, touching panel and digital display, easy to operate.
- 3、 Electronic lid lock, steel body, stainless steel centrifugal chamber, corrosion resist, easy to clean, safe and stable.
- 4、 Arbitrarily set the parameter of time, speed and other parameters, easy to use.
- 5、 The timing can be accurate to seconds in 3 minutes, realizing the standard separation. 6、 It's mainly used in separation and washing of the lymphocyte and erythrocyte.

TECHNICAL PARAMETER

| | |
|----------------|--------------------------------|
| Model | MBCF4M |
| Max Speed | 4000r/min |
| Max RCF | 1800×g |
| Max Capacity | 12×7ml |
| Speed Accuracy | ±20r/min |
| Time Range | 0-999min/sec |
| Power Supply | ≤60dB |
| Noise | AC 220V 50Hz / AC110V 60Hz, 5A |
| Dimension | 350×420×270 (mm) |

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| | |
|--------|------|
| Weight | 28kg |
|--------|------|

ROTOR OPTIONS:

| Rotor Type | Number | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|--------|---------------|-------------------|--------------|------------------------|
| Swing Rotor | No.86 | 12×(0.25-1)ml | 4000 | 1800×g | Special for HLA |
| | No.41 | 12×7ml | 4000 | 1800×g | Special for SERO |

MBCF12M Micro haematocrit Centrifuge



FEATURES:

- 1.Brushless DC motor, maintenance free.
- 2.Controlled by Microprocessor, touching panel and digital display. Easy to operate
- 3.Electronic lid lock, steel body, stainless steel centrifugal chamber, resist corrosion, easy to clean, safe and stable.
- 4.Arbitrarily setting the parameter of speed, time and other parameters, easy to use.
- 5.Mainly used to determine hematocrit, micro-blood, micro-solution and so on.

TECHNICALPARAMETER

| | |
|----------------|-----------------------------------|
| Model | MBCF12M |
| Max Speed | 12000r/min |
| Max RCF | 14800×g |
| Max Capacity | 12/24 × (0.25~1ml) Capillary tube |
| Speed Accuracy | ±50r/min |

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| | |
|--------------|--------------------------------|
| Time Range | 0-99min |
| Power Supply | AC 220V 50HZ / AC110V 60HZ, 5A |
| Noise | 280×380×230 (mm) |
| Dimension | ≤60dB |
| Weight | 12kg |

MBCF4X BLOOD BANK TABLE TYPE CENTRIFUGE



FEATURES:

1. Microprocessor control, operated by touch panel, digital display, automatically RPM and RCF exchange function, easy to operate.
2. Brushless Motor, maintenance free, motor over-heating protecting function.
3. Electronic lid lock, steel body, stainless steel chamber, resist corrosion, easy to clean.
4. Over speed, door lock and imbalance protection functions to assure the operation safety.
5. Special air current design, make the temperature raise less than 5 degree, effectively protect the samples.
6. Special SCT speed control system, assure the stable and fast acceleration and deceleration. With this technology, the centrifuge can be stopped in 5-7 seconds from the maximum speed.
7. Can save 40 kinds of user-defined working modes. One of it is specially set for Polybrene Test in blood banks.
8. This centrifuge is particularly suitable to the Polybrene reagent, specially used for blood cross-matching test, blood grouping test and irregular antibody screening.

TECHNICALPARAMETER

| | |
|----------------|--------------------------------|
| Model | MBCF4X |
| Max Speed | 4000r/min |
| Max RCF | 1770×g |
| Max Capacity | 12×10/15ml |
| Speed Accuracy | ±20r/min |
| Time Range | 0-999min/sec |
| Power Supply | ≤60dB |
| Noise | AC 220V 50Hz / AC110V 60Hz, 8A |
| Dimension | 340×400×270 (mm) |
| Weight | 20kg |

ROTOR OPTIONS:

| Rotor Type | Number | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|--------|----------|-------------------|--------------|------------------------|
| Angle Rotor | No.91 | 12×10ml | 4000 | 1770 | Φ16×81 |
| | No.91 | 12×15ml | 4000 | 1770 | Φ16×116 |

MINI CENTRIFUGE



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This mini centrifuge is equipped with two rotors and tube adaptors, suitable for centrifugal tubes of 2.0ml, 1.5ml, 0.5ml, 0.2ml, and PCR with 0.2ml 8 platoon tubes. Open/close the cover will automatically stop/start the centrifuge.

Features:

1. The "3-in-1" 18-place rotor is suitable for three different centrifugal tubes, 2.0ml, 1.5ml, 0.5ml and 0.2ml.
2. The unique design of the rotor snaps for easy replacement rotor
3. It adopts brushless motor with very low noise.

TECHNICAL PARAMETER

| Model | MBCF4K | MBCF6K | MBCF10K |
|----------------|---|------------|-------------------------|
| Max Speed | 6000r/min | 10000r/min | 12000r/min (adjustable) |
| Max RCF | 2000×g | 5000×g | 7900×g |
| Max Capacity | 8×2.0ml /1.5ml/0.5ml/0.2ml tubes and 2 or 4×8×0.2ml | | |
| Speed Accuracy | ±20r/min | | |
| Time Range | / | | 0-99min |
| Noise | ≤45dB | | |
| Power Supply | 85-265V AC 50/60Hz, 2A | | |
| Dimension | 160×170×122 (mm) | | |
| Weight | 1kg | | |

APPLICATIONS:

1. Extract serum from blood
2. Extract the supernatant from a variety of samples
3. Rapid subsidence of samples
4. Separation of trace blood cells
5. Microbial sample processing
6. PCR experimental division centrifugal

MBCF8K PCR Micro-plate Centrifuge



FEATURES:

1. Wide applicable range: It's suitable for all standard PCR plates with skirted, non-skirted, Elisa Plates, 8x0.2ml PCR strip tubes, and 0.2ml PCR tubes.
2. LCD display, parameters can be modified during operation, user-friendly programming, configuration of jog, timing and speed adjustable operation mode, making the experiment more convenient, efficient, quiet and stable.
3. Instantaneous centrifugal function, instantaneous acceleration to set speed, automatic braking, fast stop time.
4. DC motor is maintenance-free, faster acceleration and deceleration rate can separate more samples within shorter time.
5. Humanized design. Two modes-Pressing for operating and setting time for operating-making the experiment more convenient and efficient.
6. Smart size, simple operation. The cover can be fully opened to 95°, convenient to put and fetch the plates.
7. Quickly spin down droplets and condensation. Used before and after thermal cycling to improve PCR yield.

TECHNICAL PARAMETER

| | |
|--------------|------------------------------------|
| Model | MBCF8K PCR |
| Max Speed | 500-3000r/min, increment of 100rpm |
| Max RCF | 600×g |
| Max Capacity | 2×96 Wells PCR Plates |

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| | |
|--------------|-------------------------------|
| Time Range | Instantaneous/1-99sec/1-99min |
| Noise | ≤50dB |
| Power Supply | AC 100-230V 50/60HZ 3A |
| Dimension | 230×195×190 (mm) |
| Weight | 2.6kg |

MBCF30R/MBCF30RF (Table-Type) Universal High-Speed Refrigerated Centrifuge



MBCF30R

MBCF30RF

Features

1. Advanced Control System, Excellent separation

- 1) 10 profile of Accel/Decel modes; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
- 2) Short running function, easy to diversification of centrifugation.
- 3) Proprietary SCT speed control technical, high efficiency.
- 4) Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.
- 5) European compressor unit, proprietary temperature control technology, high accuracy of temperature control, ensure sample activity.
- 6) Timing control, the centrifugal time can be free to choose minutes or seconds, to achieve optimal centrifugation

2. High Safety, Ease of use

- 1) Auto Rotor identification, no need to select rotor number, avoid to over-speed running, ensure safety.
- 2) Over temperature, over speed, door lid and imbalance switch off and other protection functions, with sound and light alarm, to ensure human and instrument security.
- 3) Steel body, Stainless steel chamber, Steel Protective sleeve, three damping structure, to prevent accidents.
- 4) Optional rotor with aerosol-tight lid, the rotor can be high temperature and high pressure sterilization, to prevent biological pollution.

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3. Friendly Display, Humanity Operate

- 1) LCD, LED multi-screen display, program group, Accel/Decel, RPM/ RCF, time, temperature and other parameters can be set without key combination, easy to operate;
- 2) Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, 40 kinds of self-defining programs can be stored and recalled, reduce duplication of operation.
- 3) Three-stage damping, low vibration and low noise.

4. Good parts, Reliable and long-lasting

- 1) Brushless frequency converter motor, super speed bearing and Freon-free compressor imported from Europe, high quality.
- 2) Aerospace rubber for damping, super dur
- 3) in alloy, extend the service life of the machine.

5. Universal, multifunctional

Not only support angle rotor at high speed, but also support swing rotor for big capacity & low speed, suitable for multi-field research, production.

Technical Parameters

| Model | MBCF30R | MBCF30RF |
|----------------------|---|---------------|
| Max Speed | 23000r/min | |
| Max Rcf | 36400×g | |
| Max Capacity | Angle Rotor: 600ml, Swing Rotor: 2000ml | |
| Speed Accuracy | ±10r/min | |
| Temperature Range | -20℃ -+40℃ | |
| Temperature Accuracy | ±1℃ | |
| Time Range | 1-999min/999s | |
| Power Supply | AC 220V 50Hz 16A, 1300W | |
| Noise | ≤65dB | |
| Dimension | 670×750×440mm | 760×630×920mm |
| Weight | 98kg | 150kg |

Rotor Options

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|-----------|----------|-------------------|--------------|------------------------|
| Angle Rotor | No.3 | 6×0.5ml | 23000 | 36400×g | Φ8×32 |
| | No.6-1 | 12×1.5ml | 21000 | 31300×g | Φ10×42 |
| | No.6-2 | 18×0.5ml | 21000 | 31300×g | Φ8×32 |

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| | | | | | |
|------------------|---------|---------------|-------|---------|-----------------------|
| | No.9 | 24×1.5 /2.0ml | 17000 | 28750×g | Φ10×42 |
| | No.12 | 10×5ml | 18000 | 23540×g | Φ14×54 |
| | No.16 | 12×10ml | 18000 | 32600×g | Φ16×81 |
| | No.22-1 | 6×50ml | 15000 | 25400×g | Φ28×105 |
| | No.22-2 | 6×30ml | 15000 | 25400×g | Φ25×93.5 |
| | No.31 | 12×15ml | 12000 | 17700×g | Φ16×115 |
| | No.52-1 | 8×15ml | 13000 | 20300×g | Φ16×115 |
| | No.52-2 | 8×50ml | 13000 | 20300×g | Φ28×105 |
| | No.56-1 | 48×1.5/2.0ml | 13000 | 14740×g | Φ10×42 |
| | No.56-2 | 4×8×0.2ml | 13000 | 14740×g | 8-strip tubes |
| | No.56-3 | 8×8×0.2ml | 13000 | 14740×g | |
| | No.59 | 6×100ml | 11000 | 16910×g | Φ38×124 |
| Microplate Rotor | No.43 | 2×2×96Wells | 4000 | 2540×g | PCR/Micro plate |
| Swing Rotor | No.63 | 4×50/100ml | 5500 | 5640×g | Φ38×124 |
| | No.69-1 | 4×500ml | 4000 | 3150×g | Φ80×140 |
| | No.69-2 | 96×5/7ml | 4000 | 3150×g | Blood Collection Tube |
| | No.70-1 | 4×250ml | 4000 | 2930×g | Φ64×113 |
| | No.70-2 | 48×5/7ml | 4000 | 2930×g | Blood Collection Tube |
| | No.70-3 | 72×5/7ml | 4000 | 2930×g | |
| | No.71 | 120×5/7ml | 4000 | 3350×g | |
| | No.81-1 | 8×50/100ml | 4000 | 2960×g | Φ28×114/Φ38×124 |
| | No.81-2 | 32×10/15ml | 4000 | 2960×g | Φ16×85-118 |

MBCF30R-II Table-Type Universal High-Speed Refrigerated Centrifuge

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Features

1. Advanced Control System, Excellent separation

- 1) 10 kinds of Accel/Decel modes; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
- 2) Short running function, easy to diversification of centrifugation.
- 3) Proprietary SCT speed control technical, high efficiency.
- 4) Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.
- 5) European compressor unit, proprietary temperature control technology, high accuracy of temperature control, ensure sample activity.
- 6) Timing control, the centrifugal time can be free to choose minutes or seconds, to achieve optimal centrifugation.

2. High Safety, Ease of use

- 1) Auto Rotor identification, no need to select rotor number, avoid to over-speed running, ensure safety.
- 2) Over temperature, over speed, door lid and imbalance switch off and other protection functions, with sound and light alarm, to ensure human and instrument security.
- 3) Steel body, Stainless steel chamber, Steel Protective sleeve, three damping structure, to prevent accidents.
- 4) Optional rotor with aerosol-tight lid, the rotor can be high temperature and high pressure sterilization, to prevent biological pollution.

3. Friendly Display, Humanity Operate

- 1) LCD, LED multi-screen display, program group, Accel/Decel, RPM/ RCF, time, temperature and other parameters can be set without key combination, easy to operate;
- 2) Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, 40 kinds of self-defining programs can be stored and recalled, reduce duplication of operation.

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3) Three-stage damping, low vibration and low noise.

4. Good parts, Reliable and long-lasting

- 1) Brushless frequency converter motor, super speed bearing and Freon-free compressor imported from Europe, high quality.
- 2) Aerospace rubber for damping, super duralumin alloy, extend the service life of the machine.

5. Universal, multifunctional

Not only support angle rotor at high speed, but also support swing rotor for big capacity & low speed, suitable for multi-field research, production.

Technical Parameters

| | |
|----------------------|---|
| Model | MBCF30R-II |
| Max Speed | 21000r/min |
| Max Rcf | 31300×g |
| Max Capacity | Angle Rotor: 600ml, Swing Rotor: 3000ml |
| Speed Accuracy | ±10r/min |
| Temperature Range | -20℃ -+40℃ |
| Temperature Accuracy | ± 1℃ |
| Time Range | 1-999min/999s |
| Power Supply | AC 220V 50Hz 10A, 1300W |
| Noise | ≤65dB |
| Dimension | 640×710×400mm |
| Weight | 98kg |

Rotor Options

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF(×g) | Dimension of tube (mm) |
|-------------|-----------|---------------|-------------------|-------------|------------------------|
| Angle Rotor | No.6-1 | 12×1.5ml | 21000 | 31300×g | Φ10×42 |
| | No.6-2 | 18×0.5ml | 21000 | 31300×g | Φ8×32 |
| | No.9 | 24×1.5 /2.0ml | 16000 | 25470×g | Φ10×42 |
| | No.12 | 10×5ml | 16000 | 18600×g | Φ14×54 |
| | No.16 | 12×10ml | 16000 | 25750×g | Φ16×81 |
| | No.22-1 | 6×50ml | 14000 | 22130×g | Φ28×105 |
| | No.31 | 12×15ml | 12000 | 17700×g | Φ16×115 |
| | No.52 | 8×15ml | 13000 | 20300×g | Φ16×115 |

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| | | | | | |
|------------------|---------|--------------|-------|---------|-----------------------|
| | No.56-1 | 48×1.5/2.0ml | 13000 | 14740×g | Φ10×42 |
| | No.56-2 | 4×8×0.2ml | 13000 | 14740×g | 8-strip tubes |
| | No.59 | 6×100ml | 11000 | 16910×g | Φ38×124 |
| Microplate Rotor | No.43 | 2×2×96 Wells | 4000 | 2540×g | PCR/Micro plate |
| Swing Rotor | No.63 | 4×50/100ml | 5500 | 5640×g | Φ38×124 |
| | No.69-1 | 4×500ml | 4000 | 3150×g | Φ80×140 |
| | No.69-2 | 96×5/7ml | 4000 | 3150×g | Blood Collection Tube |
| | No.70-1 | 4×250ml | 4000 | 2930×g | Φ64×113 |
| | No.70-2 | 48×5/7ml | 4000 | 2930×g | Blood Collection Tube |
| | No.70-3 | 72×5/7ml | 4000 | 2930×g | |
| | No.71-1 | 4×750ml | 4000 | 3350×g | Φ99×130 |
| | No.81-1 | 8×50/100ml | 4000 | 2960×g | Φ38×124 |
| | No.81-2 | 32×10/15ml | 4000 | 2960×g | Φ16×85-118 |

MBCF20R-II Table-Type Universal High-Speed Refrigerated Centrifuge



Features:

1. Advanced Control System, Excellent separation

- 1) 10 kinds of Accel/Decel modes; User can set up the operate parameter by themselves, to achieve the best centrifugal result.

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- 2) Short running function, easy to diversification of centrifugation.
- 3) Proprietary SCT speed control technical, high efficiency.
- 4) Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.
- 5) European compressor unit, proprietary temperature control technology, high accuracy of temperature control, ensure sample activity.
- 6) Timing control, the centrifugal time can be free to choose minutes or seconds, to achieve optimal centrifugation.

2. High Safety, Ease of use

- 1) Auto Rotor identification, no need to select rotor number, avoid to over-speed running, ensure safety.
- 2) Over temperature, over speed, door lid and imbalance switch off and other protection functions, with sound and light alarm, to ensure human and instrument security.
- 3) Steel body, Stainless steel chamber, Steel Protective sleeve, three damping structure, to prevent accidents.
- 4) Optional rotor with aerosol-tight lid, the rotor can be high temperature and high pressure sterilization, to prevent biological pollution.

3. Friendly Display, Humanity Operate

- 1) LCD, LED multi-screen display, program group, Accel/Decel, RPM/ RCF, time, temperature and other parameters can be set without key combination, easy to operate;
- 2) Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, 40 kinds of self-defining programs can be stored and recalled, reduce duplication of operation.
- 3) Three-stage damping, low vibration and low noise.

4. Good parts, Reliable and long-lasting

- 1) Brushless frequency converter motor, super speed bearing and Freon-free compressor imported from Europe, high quality.
- 2) Aerospace rubber for damping, super duralumin alloy , extend the service life of the machine.

5. Universal, multifunctional

Not only support angle rotor at high speed, but also support swing rotor for big capacity & low speed, suitable for multi-field research, production.

Technical Parameters

| | |
|----------------------|---|
| Model | MBCF20R-II |
| Max Speed | 18600r/min |
| Max Rcf | 24560×g |
| Max Capacity | Angle Rotor: 600ml, Swing Rotor: 1000ml |
| Speed Accuracy | ±10r/min |
| Temperature Range | -20°C-+40°C |
| Temperature Accuracy | |

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| | |
|--------------|-------------------------|
| Time Range | ±1 °C |
| | 1-999min/999s |
| Power Supply | AC 220V 50Hz 10A, 1300W |
| Noise | ≤65dB |
| Dimension | 640×710×400mm |
| Weight | 98kg |

Rotor Options

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF(×g) | Dimension of tube (mm) |
|------------------|-----------|---------------|-------------------|-------------|------------------------|
| Angle Rotor | No.6-1 | 12×1.5ml | 18600 | 24560×g | Φ10×42 |
| | No.6-2 | 18×0.5ml | 18600 | 24560×g | Φ8×32 |
| | No.9 | 24×1.5 /2.0ml | 15000 | 22385×g | Φ10×42 |
| | No.12 | 10×5ml | 16000 | 18600×g | Φ14×54 |
| | No.16 | 12×10ml | 14000 | 19700×g | Φ16×81 |
| | No.22-1 | 6×50ml | 13000 | 19080×g | Φ28×105 |
| | No.31 | 12×15ml | 10000 | 12290×g | Φ16×115 |
| | No.52-1 | 8×15ml | 12000 | 16740×g | Φ16×115 |
| | No.56-1 | 48×1.5/2.0ml | 13000 | 14740×g | Φ10×42 |
| | No.56-2 | 4×8×0.2ml | 13000 | 14740×g | 8-strip tubes |
| No.59 | 6×100ml | 11000 | 16910×g | Φ38×124 | |
| Microplate Rotor | No.43 | 2×2×96Wells | 4000 | 2540×g | PCR/Micro plate |
| Swing Rotor | No.63 | 4×50/100ml | 5500 | 5640×g | Φ38×124 |
| | No.70-1 | 4×250ml | 4000 | 2930×g | Φ64×113 |
| | No.70-2 | 48×5/7ml | 4000 | 2930×g | Blood Collection Tube |
| | No.70-3 | 72×5/7ml | 4000 | 2930×g | |
| | No.81-1 | 8×50/100ml | 4000 | 2960×g | Φ38×124 |
| | No.81-2 | 32×10/15ml | 4000 | 2960×g | Φ16×85-118 |

MBCF20RF Floor standing Universal High-Speed Refrigerated Centrifuge



Features:

1. Advanced Control System, Excellent separation

- 1) 10 kinds of Accel/Decel modes; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
- 2) Short running function, easy to diversification of centrifugation.
- 3) Proprietary SCT speed control technical, high efficiency.
- 4) Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.
- 5) European compressor unit, proprietary temperature control technology, high accuracy of temperature control, ensure sample activity.
- 6) Timing control, the centrifugal time can be free to choose minutes or seconds, to achieve optimal centrifugation.

2. High Safety, Ease of use

- 1) Auto Rotor identification, no need to select rotor number, avoid to over-speed running, ensure safety.
- 2) Over temperature, over speed, door lid and imbalance switch off and other protection functions, with sound and light alarm, to ensure human and instrument security.
- 3) Steel body, Stainless steel chamber, Steel Protective sleeve, three damping structure, to prevent accidents.
- 4) Optional rotor with aerosol-tight lid, the rotor can be high temperature and high pressure sterilization, to prevent biological pollution.

3. Friendly Display, Humanity Operate

- 1) LCD, LED multi-screen display, program group, Accel/Decel, RPM/ RCF, time, temperature and other parameters can be set without key combination, easy to operate;

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- 2) Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, 40 kinds of self-defining programs can be stored and recalled, reduce duplication of operation.
- 3) Three-stage damping, low vibration and low noise.

4. Good parts, Reliable and long-lasting

- 1) Brushless frequency converter motor, super speed bearing and Freon-free compressor imported from Europe, high quality.
- 2) Aerospace rubber for damping, super duralumin alloy, extend the service life of the machine.

5. Universal, multifunctional

Not only support angle rotor at high speed, but also support swing rotor for big capacity & low speed, suitable for multi-field research, production.

Technical Parameter

| | |
|----------------------|---|
| Model | MBCF20RF |
| Max Speed | 20500r/min |
| Max Rcf | 29600×g |
| Max Capacity | Angle Rotor: 600ml, Swing Rotor: 3000ml |
| Speed Accuracy | ±10r/min |
| Temperature Range | -20℃-+40℃ |
| Temperature Accuracy | ±1℃ |
| Time Range | 1-999min/999s |
| Power Supply | AC 220V 50Hz 16A, 1300W |
| Noise | ≤60dB |
| Dimension | 760×630×920mm |
| Weight | 150kg |

Rotor Options

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF(×g) | Dimension of tube (mm) |
|-------------|-----------|---------------|-------------------|-------------|------------------------|
| Angle Rotor | No.6-1 | 12×1.5ml | 20500 | 29600×g | Φ10×42 |
| | No.6-2 | 18×0.5ml | 20500 | 29600×g | Φ8×32 |
| | No.9 | 24×1.5 /2.0ml | 16000 | 25470×g | Φ10×42 |
| | No.12 | 10×5ml | 16000 | 18600×g | Φ14×54 |
| | No.16 | 12×10ml | 15000 | 22640×g | Φ16×81 |
| | No.22-1 | 6×50ml | 13000 | 19080×g | Φ28×105 |
| | No.31 | 12×15ml | 10000 | 12290×g | Φ16×115 |
| | No.52-1 | 8×15ml | 12000 | 16740×g | Φ16×115 |

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| | | | | | |
|------------------|---------|--------------|-------|---------|-----------------------|
| | No.56-1 | 48×1.5/2.0ml | 13000 | 14740×g | Φ10×42 |
| | No.56-2 | 4×8×0.2ml | 13000 | 14740×g | 8-strip tubes |
| | No.59 | 6×100ml | 11000 | 16910×g | Φ38×124 |
| Microplate Rotor | No.43 | 2×2×96Wells | 4000 | 2540×g | PCR/Micro plate |
| Swing Rotor | No.63 | 4×50/100ml | 5000 | 4660×g | Φ38×124 |
| | No.69-1 | 4×500ml | 4000 | 3150×g | Φ80×140 |
| | No.69-2 | 96×5/7ml | 4000 | 3150×g | Blood Collection Tube |
| | No.70-1 | 4×250ml | 4000 | 2930×g | Φ64×113 |
| | No.70-2 | 48×5/7ml | 4000 | 2930×g | Blood Collection Tube |
| | No.71-1 | 4×750ml | 4000 | 3350×g | Φ99×130 |
| | No.81-1 | 8×50/100ml | 4000 | 2960×g | Φ38×124 |
| | No.81-2 | 32×10/15ml | 4000 | 2960×g | Φ16×85-118 |

MBCF20R Table-Type High-Speed Refrigerated Centrifuge



Features

1. Advanced Control System, Excellent separation

- 1) 10 kinds of Accel/Decel modes; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
- 2) Short running function, easy to diversification of centrifugation.
- 3) Proprietary SCT speed control technical, high efficiency.

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- 4) Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.
- 5) European compressor unit, proprietary temperature control technology, high accuracy of temperature control, ensure sample activity.
- 6) Timing control, the centrifugal time can be free to choose minutes or seconds, to achieve optimal centrifugation.

2. High Safety, Ease of use

- 1) Auto Rotor identification, no need to select rotor number, avoid to over-speed running, ensure safety.
- 2) Over temperature, over speed, door lid and imbalance switch off and other protection functions, with sound and light alarm, to ensure human and instrument security.
- 3) Steel body, Stainless steel chamber, Steel Protective sleeve, three damping structure, to prevent accidents.
- 4) Optional rotor with aerosol-tight lid, the rotor can be high temperature and high pressure sterilization, to prevent biological pollution.

3. Friendly Display, Humanity Operate

- 1) LCD, LED multi-screen display, program group, Accel/Decel, RPM/ RCF, time, temperature and other parameters can be set without key combination, easy to operate;
- 2) Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, 40 kinds of self-defining programs can be stored and recalled, reduce duplication of operation.
- 3) Three-stage damping, low vibration and low noise.

4. Good parts, Reliable and long-lasting

- 1) Brushless frequency converter motor, super speed bearing and Freon-free compressor imported from Europe, high quality.
- 2) Aerospace rubber for damping, super duralumin alloy , extend the service life of the machine.

Technical Parameters

| | |
|----------------------|-------------------------|
| Model | MBCF20R |
| Max Speed | 16600r/min |
| Max Rcf | 19560×g |
| Max Capacity | 600ml |
| Speed Accuracy | ±10r/min |
| Temperature Range | -20℃-+40℃ |
| Temperature Accuracy | ±1℃ |
| Time Range | 1-999min/999s |
| Power Supply | AC 220V 50Hz 10A, 1250W |

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| | |
|-----------|---------------|
| Noise | ≤60dB |
| Dimension | 585×540×350mm |
| Weight | 70kg |

Rotor options

| Rotor type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------------|-----------|--------------|-------------------|--------------|------------------------|
| Angel Rotor | No.6-1 | 12×1.5/2.0ml | 16600 | 19560 | Φ10×42 |
| | No.6-2 | 18×0.5ml | 16600 | 19560 | Φ8×32 |
| | No.9 | 24×1.5/2.0ml | 13000 | 16810 | Φ10×42 |
| | No.12 | 10×5ml | 13000 | 12280 | Φ14×54 |
| | No.16 | 12×10ml | 12000 | 14480 | Φ16×81 |
| | No.22-1 | 6×50ml | 12000 | 16260 | Φ28×105 |
| | No.31 | 12×15ml | 10000 | 12290 | Φ16×115 |
| | No.52 | 8×15ml | 12000 | 16740 | Φ16×115 |
| | No.56-1 | 48×1.5/2.0ml | 13000 | 14740 | Φ10×42 |
| | No.56-2 | 4×8×0.2ml | 13000 | 14740 | 8-strip tubes |
| | No.59 | 6×100ml | 10000 | 13975×g | Φ38×124 |
| Micro Plate Rotor | No.44 | 2×48 Wells | 3000 | 1170 | Micro Plate |

MBCF22R Table-Type Refrigerated Centrifuge



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1. Advanced Control System, Excellent separation

- 1) 10 kinds of Accel/Decel modes; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
- 2) Short running function, easy to diversification of centrifugation.
- 3) Proprietary SCT speed control technical, high efficiency.
- 4) Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.
- 5) European compressor unit, proprietary temperature control technology, high accuracy of temperature control, ensure sample activity.
- 6) Timing control, the centrifugal time can be free to choose minutes or seconds, to achieve optimal centrifugation

2. High Safety, Ease of use

- 1) Over temperature, over speed, door lid and imbalance switch off and other protection functions, with sound and light alarm, to ensure human and instrument security.
- 2) Steel body, Stainless steel chamber, Steel Protective sleeve, three damping structure, to prevent accidents.
- 3) Optional rotor with aerosol-tight lid, the rotor can be high temperature and high pressure sterilization, to prevent biological pollution.

3. Friendly Display, Humanity Operate

- 1) LED multi-screen display, program group, Accel/Decel, RPM/ RCF, time, temperature and other parameters can be set without key combination, easy to operate;
- 2) Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, 40 kinds of self-defining programs can be stored and recalled, reduce duplication of operation.
- 3) Three-stage damping, low vibration and low noise.

4. Good parts, Reliable and long-lasting

- 1) Brushless frequency converter motor, super speed bearing and Freon-free compressor imported from Europe, high quality.
- 2) Aerospace rubber for damping, super duralumin alloy , extend the service life of the machine.

Technical Parameter

| | |
|-------------------|------------|
| Model | MBCF22R |
| Max Speed | 18600r/min |
| Max Rcf | 24560×g |
| Max Capacity | 300ml |
| Speed Accuracy | ±10r/min |
| Temperature Range | |

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| | |
|----------------------|-------------------------|
| Temperature Accuracy | -10°C-+40°C |
| | ±1°C |
| Time Range | 1-999min/999sec |
| Power Supply | AC 220V 50Hz 10A, 1250W |
| Noise | ≤65dB |
| Dimension | 350×625×370mm |
| Weight | 53kg |

Rotor Options

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF(×g) | Dimension of tube (mm) |
|-------------|-----------|--------------|-------------------|-------------|------------------------|
| Angle Rotor | No.6-1 | 12×1.5/2.0ml | 18600 | 24560×g | Φ10×42 |
| | No.6-2 | 18×0.5ml | 18600 | 24560×g | Φ8×32 |
| | No.9 | 24×1.5/2.0ml | 15000 | 22380×g | Φ10×42 |
| | No.12 | 10×5ml | 16000 | 18600×g | Φ14×54 |
| | No.22 | 6×50ml | 12000 | 16260 | Φ28×105 |
| | No.56-1 | 48×1.5/2.0ml | 12000 | 12230×g | Φ10×42 |
| | No.56-2 | 4×8×0.2ml | 12000 | 12230×g | 8-strip tubes |
| | No.37 | 12×10/15ml | 5000 | 3550×g | Φ16×115 |
| | No.37 | 6×50ml | 5000 | 3550×g | Φ28×105 |
| Swing Rotor | No.37 | 6×15ml | 5000 | 3550×g | Φ16×115 |
| | No.37 | 4×50ml | 5000 | 3550×g | Φ28×105 |

MBCF05A Table-Type Universal High-Speed Centrifuge



Features:

1. Advanced Control System, Excellent separation

- 1) 10 kinds of Accel/Decel modes; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
- 2) Short running function, easy to diversification centrifugation.
- 3) Proprietary SCT speed control technical, high efficiency.
- 4) Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.
- 5) Unique air flow-guided air-cooling design, small temperature rise, maintain sample activity.
- 6) Timing control, the centrifugal time can be free to choose minutes or seconds, to achieve optimal centrifugation.

2. High Safety, Ease of use

- 1) Auto Rotor identification, no need to select rotor number, avoid to over-speed running, ensure safety.
- 2) Over speed, door lid and imbalance switch off and other protection functions, with sound and light alarm, to ensure human and instrument security.
- 3) Steel body, Stainless steel chamber, Steel Protective sleeve, three damping structure, to prevent accidents.
- 4) Optional rotor with aerosol-tight lid, the rotor can be high temperature and high pressure sterilization, to prevent biological pollution.

3. Friendly Display, Humanity Operate

- 1) LCD, LED multi-screen display, program group, Accel/Decel, RPM/ RCF, time and other parameters can be set without key combination, easy to operate;

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- 2) Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, 40 kinds of self-defining programs can be stored and recalled, reduce duplication of operation;
- 3) Three-stage damping, low vibration and low noise.

4. Good parts, Reliable and long-lasting

- 1) Brushless frequency converter motor, super speed bearing imported from Europe, high quality.
- 2) Aerospace rubber for damping, super duralumin alloy , extend the service life of the machine.

5. Universal, multifunctional

Not only support angle rotor at high speed, but also support swing rotor for big capacity & low speed, suitable for multi-field research, production.

Technical Parameter

| | |
|----------------|------------------------|
| Model | MBCF05A |
| Max Speed | 20500r/min |
| Max Rcf | 29600×g |
| Max Capacity | 3000ml |
| Speed Accuracy | ±10r/min |
| Time Range | 1-999min/999s |
| Power Supply | AC 220V 50Hz 10A, 750W |
| Noise | ≤65dB |
| Dimension | 570×480×400mm |
| Weight | 68kg |

Rotor Options

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF(×g) | Dimension of tube (mm) |
|-------------|-----------|---------------|-------------------|-------------|------------------------|
| Angle Rotor | No.6-1 | 12×1.5ml | 20500 | 29600×g | Φ10×42 |
| | No.6-2 | 18×0.5ml | 20500 | 29600×g | Φ8×32 |
| | No.9 | 24×1.5 /2.0ml | 16000 | 25470×g | Φ10×42 |
| | No.12 | 10×5ml | 16000 | 18600×g | Φ14×54 |
| | No.16 | 12×10ml | 15000 | 22640×g | Φ16×81 |
| | No.22-1 | 6×50ml | 13000 | 19080×g | Φ28×105 |
| | No.31 | 12×15ml | 10000 | 12290×g | Φ38×124 |
| | No.52-1 | 8×15ml | 12000 | 16740×g | Φ16×115 |

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| | | | | | |
|------------------|------------|--------------|--------|------------|-----------------------|
| | No.56-1 | 48×1.5/2.0ml | 13000 | 14740×g | Φ10×42 |
| | No.56-2 | 4×8×0.2ml | 13000 | 14740×g | 8-strip tubes |
| | No.59 | 6×100ml | 11000 | 16910×g | Φ38×124 |
| Microplate Rotor | No.43 | 2×2×96 Wells | 4000 | 2540×g | PCR/Micro plate |
| Swing Rotor | No.63 | 4×50/100ml | 5000 | 4660×g | Φ38×124 |
| | No.69-1 | 4×500ml | 4000 | 3150×g | Φ80×140 |
| | No.69-2 | 96×5/7ml | 4000 | 3150×g | Blood Collection Tube |
| | No.70-1 | 4×250ml | 4000 | 2930×g | Φ64×113 |
| | No.70-2 | 48×5/7ml | 4000 | 2930×g | Blood Collection Tube |
| | No.70-3 | 72×5/7ml | 4000 | 2930×g | |
| | No.71 | 4×750ml | 4000 | 3350×g | Φ99×130 |
| | No.81-1 | 8×50/100ml | 4000 | 2960×g | Φ38×124 |
| No.81-2 | 32×10/15ml | 4000 | 2960×g | Φ16×85-118 | |

MBCF19A/MBCF20A Table-Type High-Speed Centrifuge



Features:

1. Advanced Control System, Excellent separation

- 1) 10 kinds of Accel/Decel modes; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
- 2) Short running function, easy to diversification centrifugation.
- 3) Proprietary SCT speed control technical, high efficiency.
- 4) Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.

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- 5) Unique air flow-guided air-cooling design, small temperature rise, maintain sample activity.
- 6) Timing control, the centrifugal time can be free to choose minutes or seconds, to achieve optimal centrifugation

2. High Safety, Ease of use

- 1) Auto Rotor identification, no need to select rotor number, avoid to over-speed running, ensure safety.
- 2) Over speed, door lid and imbalance switch off and other protection functions, with sound and light alarm, to ensure human and instrument security.
- 3) Steel body, Stainless steel chamber, Steel Protective sleeve, three damping structure, to prevent accidents.
- 4) Optional rotor with aerosol-tight lid, the rotor can be high temperature and high pressure sterilization, to prevent biological pollution.

3. Friendly Display, Humanity Operate

- 1) LED multi-screen display, program group, Accel/Decel, RPM/ RCF, time and other parameters can be set without key combination, easy to operate.
- 2) Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, 40 kinds of self-defining programs can be stored and recalled, reduce duplication of operation.
- 3) Three-stage damping, low vibration and low noise.

4. Good parts, Reliable and long-lasting

- 1) Brushless frequency converter motor, super speed bearing imported from Europe, high quality.
- 2) Aerospace rubber for damping, super duralumin alloy , extend the service life of the machine.

Technical Parameter

| | | |
|----------------|------------------------|------------|
| Model | MBCF19A | MBCF20A |
| Max Speed | 16600r/min | 18600r/min |
| Max RCF | 19560×g | 24560×g |
| Max Capacity | 600ml | |
| Speed Accuracy | ±10r/min | |
| Time Range | 0-999min/999s | |
| Power Supply | AC 220V 50Hz 10A, 500W | |
| Noise | ≤60dB | |
| Dimension | 440×350×320mm | |
| Weight | 30kg | |

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Rotor options

| Model | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------------|-----------|--------------|-------------------|--------------|------------------------|
| Angel Rotor | No.6-1 | 12×1.5/2.0ml | 16600/18600 | 19560/24560 | Φ10×42 |
| | No.6-2 | 18×0.5ml | 16600/18600 | 19560/24560 | Φ8×32 |
| | No.9 | 24×1.5/2.0ml | 13000/15000 | 16810/22380 | Φ10×42 |
| | No.12 | 10×5ml | 13000 | 12280 | Φ14×54 |
| | No.16 | 12×10ml | 12000 | 14480 | Φ16×81 |
| | No.56-1 | 48×1.5/2.0ml | 13000 | 14740 | Φ10×42 |
| | No.56-2 | 4×8×0.2ml | 13000 | 14740 | 8-strip tubes |
| | No.22-1 | 6×50ml | 12000 | 16260 | Φ28×105 |
| | No.52-1 | 8×15ml | 12000 | 16740 | Φ16×115 |
| | No.31 | 12×15ml | 10000 | 12290 | Φ16×115 |
| | No.59 | 6×100ml | 10000 | 13975 | Φ38×124 |
| Micro Plate Rotor | No.44 | 2×48 Wells | 3000 | 1170 | Micro Plate |

MBCF06A Table-Type Low-Speed High Performance Centrifuge



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Features:

1. Advanced Control System, Excellent separation

- 1) 10 kinds of Accel/Decel modes; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
- 2) Short running function, easy to diversification centrifugation.
- 3) Proprietary SCT speed control technical, high efficiency.
- 4) Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.
- 5) Unique air flow-guided air-cooling design, small temperature rise, maintain sample activity.
- 6) Timing control, the centrifugal time can be free to choose minutes or seconds, to achieve optimal centrifugation

2. High Safety, Ease of use

- 1) Rotor identification, avoid to over-speed running, ensure safety.
- 2) Over speed, door lid and imbalance switch off and other protection functions, with sound and light alarm, to ensure human and instrument security.
- 3) Steel body, Stainless steel chamber, Steel Protective sleeve, three damping structure, to prevent accidents.
- 4) Optional rotor with aerosol-tight lid, the rotor can be high temperature and high pressure sterilization, to prevent biological pollution.

3. Friendly Display, Humanity Operate

- 1) LCD, LED multi-screen display, program group, Accel/Decel, RPM/ RCF, time and other parameters can be set without key combination, easy to operate.
- 2) Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, 40 kinds of self-defining programs can be stored and recalled, reduce duplication of operation.
- 3) Three-stage damping, low vibration and low noise.

4. Good parts, Reliable and long-lasting

- 1) Brushless frequency converter motor, super speed bearing imported from Europe, high quality.
- 2) Aerospace rubber for damping, super duralumin alloy.
Limited (CHALCO), extend the service life of the machine

Technical Parameters

| | |
|----------------|-----------|
| Model | MBCF06A |
| Max Speed | 6000r/min |
| Max Rcf | 5640×g |
| Max Capacity | 3000ml |
| Speed Accuracy | ±10r/min |

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| | |
|--------------|-----------------------|
| Time Range | 1-999min/999sec |
| Power Supply | AC 220V 50Hz 10A,750W |
| Noise | ≤65dB |
| Dimension | 570×480×400mm |
| Weight | 68kg |

Rotor Options

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------------|-----------|--------------|-------------------|--------------|------------------------------|
| Angel Rotor | No.37 | 12×10/15ml | 6000 | 5120 | Φ16×114-118 |
| Swing Rotor | No.63 | 4×50/100ml | 5500 | 5640 | Φ38×124 |
| | No.69-1 | 4×500ml | 4000 | 3150 | Φ80×140 |
| | No.69-2 | 96×5/7ml | 4000 | 3150 | Vacuum Blood Collection Tube |
| | No.70-1 | 4×250ml | 4000 | 2930 | Φ64×112 |
| | No.70-2 | 48×5/7ml | 4000 | 2930 | Vacuum Blood Collection Tube |
| | No.70-3 | 72×5/7ml | 4000 | 2930 | |
| | No.71-1 | 4×750ml | 4000 | 3350 | Φ99×128 |
| | No.81-1 | 32×10/15ml | 4000 | 2960 | Φ16×114-118 |
| | No.81-2 | 8×50/100ml | 4000 | 2960 | Φ28×114/Φ38×124 |
| Micro Plate Rotor | No.43 | 2×2×96 Wells | 4000 | 2540 | PCR/Micro Plate |

MBCF05A-II / MBCF05R Table-Type Low-Speed High Performance (Refrigerated) Centrifuge



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MBCF05A-II

MBCF05R

Features:

1. Advanced Control System, Excellent separation

- 1) 10 kinds of Accel/Decel modes; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
- 2) Short running function, easy to diversification centrifugation.
- 3) Proprietary SCT speed control technical, high efficiency.
- 4) Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.
- 5) European compressor unit, proprietary temperature control technology, high accuracy of temperature control (KL05R), Unique air flow-guided air-cooling design, small temperature rise (KL05A), ensure sample activity.
- 6) Timing control, the centrifugal time can be free to choose minutes or seconds, to achieve optimal centrifugation

2. High Safety, Ease of use

- 1) Auto Rotor identification, no need to select rotor number, avoid to over-speed running, ensure safety.
- 2) Over temperature, over speed, door lid and imbalance switch off and other protection functions, with sound and light alarm, to ensure human and instrument security.
- 3) Steel body, Stainless steel chamber, Steel Protective sleeve, three damping structure, to prevent accidents.
- 4) Optional rotor with aerosol-tight lid, the rotor can be high temperature and high pressure sterilization, to prevent biological pollution.

3. Friendly Display, Humanity Operate

- 1) LCD, LED multi-screen display, program group, Accel/Decel, RPM/ RCF, time, temperature and other parameters can be set without key combination, easy to operate.
- 2) Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, 40 kinds of self-defining programs can be stored and recalled, reduce duplication of operation.
- 3) Three-stage damping, low vibration and low noise.

4. Good parts, Reliable and long-lasting

- 1) Brushless frequency converter motor, super speed bearing and Freon-free compressor (KL05A not applicable) imported from Europe, high quality.
- 2) Aerospace rubber for damping, super duralumin alloy , extend the service life of the machine.

Technical Parameter

| Model | MBCF05A-II | MBCF05R |
|-------|------------|---------|
| | | |

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| | | |
|----------------------|------------------|---------------------|
| Max Speed | 6000r/min | |
| Max Rcf | 5640×g | |
| Max Capacity | 2000ml | 2000ml |
| Speed Accuracy | ±10r/min | |
| Temperature Range | / | -20°C-+40°C |
| Temperature Accuracy | / | ±1°C |
| Time Range | 1-999min/999s | |
| Power Supply | AC 220V 50Hz 10A | AC 220V 50Hz 10A |
| Noise | ≤65dB | |
| Dimension | 560×460×390mm | 640×710×400mm |
| Weight | 58kg | 98kg |

Rotor options

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|----------------------|-----------|--------------|----------------------|-----------------|---------------------------------|
| Angel Rotor | No.37 | 12×10/15ml | 6000 | 5120 | Φ16×114-118 |
| Swing Rotor | No.63 | 4×50/100ml | 5500 | 5640 | Φ38×124 |
| | No.69-1 | 4×500ml | 4000 | 3150 | Φ80×140 |
| | No.69-2 | 96×5/7ml | 4000 | 3150 | Vacuum Blood Collection Tube |
| | No.70-1 | 4×250ml | 4000 | 2930 | Φ64×112 |
| | No.70-2 | 48×5/7ml | 4000 | 2930 | Vacuum Blood Collection Tube |
| | No.70-3 | 72×5/7ml | 4000 | 2930 | |
| | No.81-1 | 32×10/15ml | 4000 | 2960 | Φ16×85-118 |
| | No.81-2 | 8×50/100ml | 4000 | 2960 | Φ28×105-115 |
| | No.81-3 | 24×10/15ml | 4000 | 2960 | Φ16×85-118 |
| Micro Plate Rotor | No.43 | 2×2×96 Wells | 4000 | 2540 | PCR/Micro Plate |

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MBCF04A / MBCF02A Bench top Low-Speed High Performance Centrifuge



MBCF04A



MBCF02A

Features:

1. Advanced Control System, Excellent separation

- 1) 10 kinds of Accel/Decel modes; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
- 2) Short running function, easy to diversification centrifugation.
- 3) Proprietary SCT speed control technical, high efficiency.
- 4) Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.
- 5) Unique air flow-guided air-cooling design, small temperature rise, maintain sample activity.
- 6) Timing control, the centrifugal time can be free to choose minutes or seconds, to achieve optimal centrifugation

2. High Safety, Ease of use

- 1) Auto Rotor identification (KL02A not applicable), no need to select rotor number, avoid to over-speed running, ensure safety.
- 2) Over speed, door lid and imbalance switch off and other protection functions, with sound and light alarm, to ensure human and instrument security.
- 3) Steel body, Stainless steel chamber, Steel Protective sleeve, three damping structure, to prevent accidents.
- 4) Optional rotor with aerosol-tight lid, the rotor can be high temperature and high pressure sterilization, to prevent biological pollution.

3. Friendly Display, Humanity Operate

- 1) LCD (KL02A not applicable), LED multi-screen display, program group, Accel/Decel, RPM/
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- RCF, time and other parameters can be set without key combination, easy to operate.
- 2) Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, 40 kinds of self-defining programs can be stored and recalled, reduce duplication of operation.
 - 3) Three-stage damping, low vibration and low noise.

4. Good parts, Reliable and long-lasting

- 1) Brushless frequency converter motor, super speed bearing imported from Europe, high quality.
- 2) Aerospace rubber for damping, super duralumin alloy, extend the service life of the machine.

Technical Parameter

| Model | MBCF04A | MBCF02A |
|----------------|------------------------|--|
| Max Speed | 5000r/min | 4000r/min |
| Max Rcf | 4660×g | 2280×g |
| Max Capacity | 800ml | Angle rotor 12×10ml, 12×15ml, 18×10ml, 24×10ml |
| Speed Accuracy | ±10r/min | |
| Time Range | 1-999min/999s | |
| Power Supply | AC 220V 50Hz 10A, 500W | AC 220V 50Hz 5A, 115W |
| Noise | ≤65dB | ≤60dB |
| Dimension | 560×460×390mm | 350×420×270mm |
| Weight | 58kg | 18kg |

Rotor Options for MBCF04A:

| Model | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------------|-----------|--------------|-------------------|--------------|------------------------------|
| Swing Rotor | No.63 | 4×50/100ml | 5000 | 4660 | Φ38×124 |
| | No.70-2 | 48×5/7ml | 4000 | 2930 | Vacuum Blood Collection Tube |
| | No.81-1 | 32×10/15ml | 4000 | 2960 | Φ16×114-118 |
| | No.81-2 | 8×50/100ml | 4000 | 2960 | Φ28×105-115 |
| | No.81-3 | 24×10/15ml | 4000 | 2960 | Φ16×114-118 |
| Micro Plate Rotor | No.43 | 2×2×96 Wells | 4000 | 2540 | PCR/ Micro Plate Rotor |

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MBCF05RF Low-Speed Refrigerated Centrifuge



Features:

1. Advanced Control System, Excellent separation

- 1) 10 kinds of Accel/Decel modes; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
- 2) Short running function, easy to diversification centrifugation.
- 3) Proprietary SCT speed control technical, high efficiency.
- 4) Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.
- 5) European compressor unit, proprietary temperature control technology, high accuracy of temperature control, ensure sample activity.
- 6) Timing control, the centrifugal time can be free to choose minutes or seconds, to achieve optimal centrifugation

2. High Safety, Ease of use

- 1) Auto Rotor identification, no need to select rotor number, avoid to over-speed running, ensure safety.
- 2) Over temperature, over speed, door lid and imbalance switch off and other protection functions, with sound and light alarm, to ensure human and instrument security.
- 3) Steel body, Stainless steel chamber, Steel Protective sleeve, three damping structure, to prevent accidents.

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- 4) Optional rotor with aerosol-tight lid, the rotor can be high temperature and high pressure sterilization, to prevent biological pollution.

3. Friendly Display, Humanity Operate

- 1) LCD, LED multi-screen display, program group, Accel/Decel, RPM/ RCF, time, temperature and other parameters can be set without key combination, easy to operate.
- 2) Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, 40 kinds of self-defining programs can be stored and recalled, reduce duplication of operation.
- 3) Three-stage damping, low vibration and low noise.

4. Good parts, Reliable and long-lasting

- 1) Brushless frequency converter motor, super speed bearing and Freon-free compressor imported from Europe, high quality.
- 2) Aerospace rubber for damping, super duralumin alloy , extend the service life of the machine.

Technical Parameter

| | |
|----------------------|------------------|
| Model | MBCF05RF |
| Max Speed | 6000r/min |
| Max Rcf | 5640×g |
| Max Capacity | 3000ml |
| Speed Accuracy | ±10r/min |
| Temperature Range | -20°C-+40°C |
| Temperature Accuracy | ±1°C |
| Time Range | 1-999min/999s |
| Power Supply | AC 220V 50Hz 16A |
| Noise | ≤65dB |
| Dimension | 760×630×920mm |
| Weight | 190kg |

Rotor Options

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|-----------|------------|-------------------|--------------|------------------------|
| Angle Rotor | No.37 | 12×10/15ml | 6000 | 5120 | Φ16×114-118 |
| Swing Rotor | No.63 | 4×50/100ml | 5500 | 5640 | Φ38×124 |

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| | | | | | |
|-------------------|---------|--------------|------|------|------------------------------|
| | No.69-1 | 4×500ml | 4000 | 3150 | Φ80×140 |
| | No.69-2 | 96×5/7ml | 4000 | 3150 | Vacuum Blood Collection Tube |
| | No.70-1 | 4×250ml | 4000 | 2930 | Φ64×112 |
| | No.70-2 | 48×5/7ml | 4000 | 2930 | Vacuum Blood Collection Tube |
| | No.70-3 | 72×5/7ml | 4000 | 2930 | |
| | No.71-1 | 4×750ml | 4000 | 3350 | Φ99×128 |
| | No.71-2 | 120×5/7ml | 4000 | 3350 | Vacuum Blood Collection Tube |
| | No.81-1 | 32×10/15ml | 4000 | 2960 | Φ16×114-118 |
| | No.81-2 | 8×50/100ml | 4000 | 2960 | Φ28×105-115 |
| | No.97 | 6×500ml | 4000 | 3870 | Φ80×140 |
| Micro Plate Rotor | No.43 | 2×2×96 Wells | 4000 | 2540 | PCR/ Micro Plate |

MBCF01A Blood group Serology Centrifuge



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Features:

1. Advanced Control System, Excellent separation

- 1) 10 kinds of Accel/Decel modes; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
- 2) Short running function, easy to diversification centrifugation.
- 3) Proprietary SCT speed control technical, high efficiency.
- 4) Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.
- 5) Widely used in blood serology, blood typing routine test, red blood cell washing, microcolumn Gel immunoassay test and so on.
- 6) Timing control, the centrifugal time can be free to choose minutes or seconds, to achieve optimal centrifugation.

2. High Safety, Ease of use

- 1) Over speed, door lid and imbalance switch off and other protection functions, with sound and light alarm, to ensure human and instrument security.
- 2) Steel body, Stainless steel chamber, Steel Protective sleeve, three damping structure, to prevent accidents.
- 3) Unique airflow-oriented design makes small temperature rise.

3. Friendly Display, Humanity Operate

- 1) LED display, program group, Accel/Decel, RPM/ RCF, time and other parameters can be set without key combination, easy to operate.
- 2) Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, 40 kinds of self-defining programs can be stored and recalled, reduce duplication of operation.
- 3) Three-stage damping, low vibration and low noise.

4. Good parts, Reliable and long-lasting

- 1) Brushless frequency converter motor, super speed bearing imported from Europe, high quality.
- 2) Aerospace rubber for damping, super duralumin alloy , extend the service life of the machine.

Technical Parameter

| | |
|----------------|-----------------|
| Model | KL01A |
| Max Speed | 4000r/min |
| Max Rcf | 2180×g |
| Max Capacity | 120ml |
| Speed Accuracy | ±10r/min |
| Time Range | 1-999min/999s |
| Power Supply | AC 220V 50Hz 5A |

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| | |
|-----------|---------------|
| Noise | ≤60dB |
| Dimension | 350×420×270mm |
| Weight | 18kg |

Rotor Options

| Rotor Type | Rotor No. | Capacity | Max Speed | Max RCF | Dimension of tube (mm) |
|-------------------|-----------|---------------|------------|---------|------------------------|
| Specialized Rotor | No.39 | 12×10ml | 4000 r/min | 2180×g | Φ16×81 |
| | No.41 | 12×7ml | 4000 r/min | 1690×g | SERO SERO Rotor |
| | No.86 | 12×(0.25-1)ml | 4000 r/min | 1740×g | Gel Card |

MBCF04A-II Bench top Low-Speed Centrifuge



Features:

Advanced Control System, Excellent separation

- a) 10 kinds of Accel/Decel modes, self-defining centrifugal parameters, to achieve the best centrifugal result.
- b) Short running function, convenient for diversified centrifugation.
- c) Proprietary SCT speed control technical to achieve precise centrifugation
- d) Proprietary SBT soft brake control technique reduces resuspension and convenient for sampling, ensuring maximum specimen.
- e) Unique air flow-guided air-cooling design, small temperature rise, maintain sample activity.
- f) Timing control, the centrifugal time can be free to choose minutes or seconds, to achieve optimal centrifugation

High Safety, Ease of use

- a) With rotor number fixed speed function, effectively prevent overspeed running
- b) With safety device of Over speed, door lid open, imbalance protection etc, with sound and light alarm, to ensure human and instrument security.
- c) Steel body, Stainless steel chamber, Steel Protective sleeve, to prevent accidents.
- d) Metal swing rotor that can be sterilized by high temperature and high pressure to prevent biological contamination.
- e) The machine is small in size and can be placed in the biological safety cabinet for operation, effectively preventing the spread of aerosols and ensuring the safety of operators.

Intuitive Interface, Good User Experience

- LCD color touch screen, program group, Accel/Decel, RPM/ RCF, time etc parameters can be set without key combination, easy to operate.
- Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, 40 self-defining programs can be stored and recalled, reduce duplication of operation.
- Three-stage damping, low vibration and low noise.

Good parts, Reliable and long-lasting

- Brushless frequency converter motor, super speed bearing imported from Europe, high quality.
- Aerospace rubber for damping, super duralumin alloy , extend the service life of the machine.

Technical Parameters

| | |
|----------------|------------------|
| Model | MBCF04A-II |
| Max Speed | 5000r/min |
| Max RCF | 3550×g |
| Max Capacity | 800ml |
| Speed Accuracy | ±10r/min |
| Time Range | 1s-999min59sec |
| Power Supply | AC 220V 50Hz 10A |
| Noise | ≤60dB |
| Dimension | 470×410×290mm |
| Net Weight | 33kg |

Rotor Options

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|------------------|-----------|-------------|-------------------|--------------|------------------------|
| Swing Rotor | No.38 | 6×15/50ml | 5000 | 3550 | Φ16×118/Φ28×114 |
| | 81-1 | 8×50/100ml | 4000 | 2960 | Φ28×114/Φ38×124 |
| | 81-2 | 32×10/15ml | 4000 | 2960 | Φ16×102-118 |
| | 81-3 | 24×10/15ml | 4000 | 2930 | Φ16×102-118 |
| Microplate rotor | 43 | 2×2×96wells | 4000 | 2540 | Micro plate |

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| | | | | | |
|-------------|----|------------|------|------|-------------|
| Angle Rotor | 37 | 12×10/15ml | 5000 | 3550 | Φ16×102-118 |
| | 38 | 6×50ml | 5000 | 3550 | Φ28×114 |



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