

**KUBOTA**

# Universal Refrigerated Centrifuge



# 6200

# One-touch rotor setting makes changing rotors easy

## Max 23,470 xg/16,000 rpm



Foot switch (Optional)

### Rapid acceleration and deceleration

Reach 15,000 rpm rotational speed in 10 seconds, using 18 x 1.5/2 mL tubes.

Reach 5,000 rpm in 20 seconds, when using swinging rotors and 4 x 200 mL tubes (SF-410).

### 19 types of rotor available to fit your needs.

### Easy-to-use functions maximize convenience.

- Memory function for easy spin-down automatically memorizes duration of spin-down operations from 1 to 90 seconds (patented). One key pressing can then start subsequent spin-down operations, using the memorized duration.
- Equipped with a tachometer port to comply with GMP requirements. Actual rotor speed is easy to check.
- 5 available memory settings, with one-touch saving, and recall operation.
- Acceleration and deceleration curves can be selected from three profiles to best match sample types and experiment requirements. Density gradient methods can be used.
- Operation according to the centrifugal force (xg), as well as stepped centrifuging and integral centrifuging (g·sec) settings.
- Actual g·sec (Integrated RCF) value can be measured for centrifuging operations, in place of time duration settings.
- Timer can be set up to 990 minutes or seconds. During a hold condition, the elapsed time of operation is displayed.

### Safety comes first

- Numerous detectors ensure safe, reliable operations. If trouble is detected, operation stops immediately.
- Rotor mounting sensor detects whether or not the rotor is properly set on the driver shaft (patented).
- Automatic rotor detection is available (patented and patent pending).

**Sample temperature maintained at 4°C** (at 25°C ambient temperature. Please refer to the Rotor List).



Micro Rotor AF-2724A



Rotors for Conical Tubes  
AF-5004CA



Plate Rotor  
PF-21




Multi-purpose  
Swinging Bucket Rotor  
SF-410



# Micro Multi-Purpose Rotor MF-2236

## Interchangeable buckets enable 4 types of centrifugeing.



- (1) Swinging buckets 2 mL - 0.2 mL
  - (2) Angle buckets 2 mL - 0.2 mL
  - (3) Angle buckets 8 serial PCR tubes · 2 mL - 0.2 mL
  - (4) Horizontal buckets 2 mL - 0.2 mL
- No need to change the rotor.





**MF-2236 Rotor**


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**Swinging Bucket**  
24 x 1.5/2 mL  
15,000 rpm  
18,360 xg


=


**Angle Bucket**  
24 x 1.5/2 mL  
15,000 rpm  
18,870 xg






=


**Combined angle Bucket  
for 8-strip PCR tubes**  
1.5/2mL/0.5mL/0.4mL/0.2mL PCR Bucket  
15,000 rpm  
17,860 xg


=


**Horizontal Bucket**  
36 x 1.5/2 mL  
15,000 rpm  
19,120 xg

### Micro Multi-Purpose Rotor MF-2236

	Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Bucket Code No.	Tube rack Adaptor Code No.
	Swinging Bucket	24 x 1.5/2 mL	9.5~11 x 36~42	15,000	18,360	053-5860	—
		24 x 0.5 mL	7.0~7.9 x 25~34	15,000	15,090	053-5860	055-7590
		24 x 0.4 mL	5.4~6.1 x 26~48	15,000	17,860	053-5860	055-7580
		24 x 0.2 mL PCR	5.9~6.3 x 20~24	15,000	11,820	053-5860	055-0500
	Angle Bucket	24 x 1.5/2 mL	9.5~11 x 36~42	15,000	18,870	053-2000	—
		24 x 0.5 mL	7.0~7.9 x 25~34	15,000	16,100	053-2000	055-7590
		24 x 0.4 mL	5.4~6.1 x 26~48	15,000	18,360	053-2000	055-7580
		24 x 0.2 mL PCR	5.9~6.3 x 20~24	15,000	13,330	053-2000	055-0500
	Combined Fixed Angle Bucket	8 x 8 serial PCR	9.5~11 x 36~42	15,000	17,860 *1	053-6000	—
		12 x 1.5/2 mL	9.5~11 x 36~42	15,000	15,600	053-6000	—
		12 x 0.5 mL	7.0~7.9 x 25~34	15,000	13,330	053-6000	055-7590
		12 x 0.4 mL	5.4~6.1 x 26~48	15,000	15,340	053-6000	055-7580
		12 x 0.2 mL PCR	5.9~6.3 x 20~24	15,000	11,320	053-6000	055-0500
	Horizontal Bucket	36 x 1.5/2 mL	9.5~11 x 36~42	15,000	19,120	053-3000	—
		36 x 0.5 mL	7.0~7.9 x 25~34	15,000	15,850	053-3000	055-7590
		36 x 0.4 mL	5.4~6.1 x 26~48	15,000	18,610	053-3000	055-7580
		24 x 0.2 mL PCR	5.9~6.3 x 20~24	15,000	13,330	053-3000	—
		36 x 0.2 mL PCR	5.9~6.3 x 20~24	15,000	12,580	053-3000	055-0500

\*1 Value indicates the RCF for tubes nearest rotor circumference.



This mark indicates Bioshield rotors certified by the C.A.M.R (Centre for Applied Microbiology & Research) of England in March 2003. (IEC 61010-2-020)  
Such rotors are suitable when anti-biohazard measures must be taken, such as for BSE and SARS inspections.

## Angle Rotor for Micro Tubes



\* Autoclavable (121°C)

### AF-2018

18 x 1.5/2 mL

AF-2018 can reach 15,000 rpm within 10 seconds.

\* Autoclave parameters should not be exceeded. Refer to the Operation and Service Manual.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Tube Rack Adaptor Code No.
AF-2018	18 x 1.5/2 mL	9.5-11 x 36-42	15,000	20,630	—
	18 x 0.5 mL	7.0-7.9 x 25-34	15,000	18,110	055-7590
	18 x 0.4 mL	5.4-6.1 x 26-48	15,000	20,120	055-7580
	18 x 0.2 mL PCR	5.9-6.3 x 20-24	15,000	15,850	055-0500



\* Autoclavable (134°C)

### AF-2724A

24 x 1.5/2 mL, 12 x 0.5/0.2 mL

Without adaptor, 1.5/2 mL, 0.5 mL and 0.2 mL PCR tubes can be used.

\* Autoclave parameters should not be exceeded. Refer to the Operation and Service Manual.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Tube Rack Adaptor Code No.
AF-2724A	24 x 1.5/2 mL *1	9.5-11 x 36-42	16,000	23,470	—
	12 x 0.5 mL	7.0-7.9 x 25-34	16,000	19,180	—
	24 x 0.4 mL	5.4-6.1 x 26-48	16,000	23,180	055-7580
	12 x 0.2 mL PCR	5.9-6.3 x 20-24	16,000	16,890	—



\* Autoclavable (134°C)

### AF-2730

Anti-biohazard rotor

30 x 1.5/2 mL

Effective for biohazard-proof requirements

Without adaptor, 1.5/2 mL, 0.5 mL and 0.2 mL PCR tubes can be used.

\* Autoclave parameters should not be exceeded. Refer to the Operation and Service Manual.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Tube Rack Adaptor Code No.
AF-2730	30 x 1.5/2 mL	9.5-11 x 36-42	14,000	21,040	—
	14 x 0.5 mL	7.0-7.9 x 25-34	14,000	17,530	—
	30 x 0.4 mL	5.4-6.1 x 26-48	14,000	20,380	055-1240
	14 x 0.2 mL PCR	5.9-6.3 x 20-24	14,000	16,430	—



\* Autoclavable (134°C)

### AF-2236

36 x 1.5/2 mL, 12 x 0.2 mL PCR

Without adaptor, 1.5/2 mL and 0.2 mL PCR tubes can be used.

For convenience, 2 mL tubes can be inserted in the same direction as the cap.

\* Autoclave parameters should not be exceeded. Refer to the Operation and Service Manual.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Tube Rack Adaptor Code No.
AF-2236	36 x 1.5/2 mL	9.5-11 x 36-42	15,000 (14,000)	21,880 (19,060) *2	—
	12 x 0.2 mL PCR	5.9-6.3 x 20-24	15,000 (14,000)	15,340 (13,370)	—
	36 x 0.5 mL	7.0-7.9 x 25-34	15,000 (14,000)	19,620 (17,090) *2	055-7590
	36 x 0.4 mL	5.4-6.1 x 26-48	15,000 (14,000)	21,630 (18,850) *2	055-7580
	36 x 0.2 mL PCR	5.9-6.3 x 20-24	15,000 (14,000)	17,360 (15,120) *2	055-0500

- Samples can be refrigerated to as low as 4°C. (8°C or below at 25°C ambient temperature). Values in parentheses indicate maximum speed and RCF when samples are refrigerated to 4°C. Contact our distributor.



\* Autoclavable (121°C)

### AF-2048

48 x 1.5/2 mL

\* Autoclave parameters should not be exceeded. Refer to the Operation and Service Manual.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Tube Rack Adaptor Code No.
AF-2048	48 x 1.5/2 mL	9.5-11 x 36-42	12,000 (11,500)	15,780 (14,490) *2	—
	48 x 0.5 mL	7.0-7.9 x 25-34	12,000 (11,500)	14,330 (13,160) *2	055-7590
	48 x 0.4 mL	5.4-6.1 x 26-48	12,000 (11,500)	15,620 (14,340) *2	055-7580
	48 x 0.2 mL PCR	5.9-6.3 x 20-24	12,000 (11,500)	12,880 (11,830) *2	055-0500

- Samples can be refrigerated to as low as 4°C. (8°C or below at 25°C ambient temperature). Values in parentheses indicate maximum speed and RCF when samples are refrigerated to 4°C. Contact our distributor.

\*1 Adaptor (055-6020) enables operation in excess of 16,000 rpm.

\*2 Values indicates RCF for tubes nearest rotor circumference. Contact our distributor.

## Angle Rotor (for Conical Tubes)



### AF-5004CH

4 x 50 mL conical tubes  
15,000 rpm/22,140 xg  
High g-force enables separation of sticky proteins.  
Cap support structure prevents 50 mL conical tubes from breaking. (patented)

\* Autoclave parameters should not be exceeded. Refer to the Operation and Service Manual.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Tube Rack Adaptor Code No.
AF-5004CH	4 x 50 mL conical tube *1	30 x 117	15,000	22,140	—
	4 x 15 mL conical tube	17 x 121	15,000	21,130	055-1250



### AF-5004CS

Anti-biohazard rotor  
4 x 50 mL conical tubes  
Effective for biohazard-proof requirements.

\* Autoclave parameters should not be exceeded. Refer to the Operation and Service Manual.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Tube Rack Adaptor Code No.
AF-5004CS	4 x 50 mL conical tube *1	30 x 117	12,000	14,970	—
	4 x 15 mL conical tube	17 x 121	12,000	14,490	055-1280



### AF-5004CA

4 x 50 mL conical tubes

\* Autoclave parameters should not be exceeded. Refer to the Operation and Service Manual.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Tube Rack Adaptor Code No.
AF-5004CA	4 x 50 mL conical tube *1	30 x 117	12,000	14,170	—
	4 x 15 mL conical tube	17 x 121	12,000	13,520	055-1280



### AF-5008C

8 x 50 mL conical tubes

• Samples can be refrigerated to as low as 4°C. (8°C or below at 25°C ambient temperature). Values in parentheses indicate maximum speed and RCF when samples are refrigerated to 4°C. Contact our distributor.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Tube Rack Adaptor Code No.
AF-5008C	8 x 50 mL conical tube	30 x 117	10,000 (9,500)	13,420 (12,110)	—
	8 x 15 mL conical tube	17 x 121	10,000 (9,500)	13,190 (11,910)	055-1280

\* 1 50 mL conical tubes (PP), 36mm diameter or less, by Iwaki, Greiner, Corning, Sarstead, Falcon, Fisher, Labcon, Nunc can be used.  
With adaptor (Code No.055-0890) attached, 35 mL Oak Ridge conical tubes (PC, PPCO) by Nunc can be used.

## Angle Rotor (Middle Volume)



### AF-1408A

8 x 14 mL tubes  
Uses 2006 and 2059 tubes by BD Falcon.

\* Autoclave parameters should not be exceeded. Refer to the Operation and Service Manual.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Tube Rack Adaptor Code No.
AF-1408A	8 x 14 mL *1	17 x 75-100	12,000	14,170	—



### AF-5004R

4 x 50 mL tubes  
10 mL Biohazard-proof sealing adaptor (Code No.055-4280) is available.

• Samples can be refrigerated to as low as 4°C. (8°C or below at 25°C ambient temperature). Values in parentheses indicate maximum speed and RCF when samples are refrigerated to 4°C. Contact our distributor.

\* Autoclave parameters should not be exceeded. Refer to the Operation and Service Manual.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Tube Rack Adaptor Code No.
AF-5004R	4 x 50 mL	28.7-29 x 103-109	15,000 (14,000)	21,880 (19,060)	—
	4 x 12 mL	15.9-16.4 x 103-110	15,000 (14,000)	20,630 (17,970)	055-7410
	4 x 10 mL	16-16.3 x 79-92	15,000 (14,000)	20,630 (17,970)	055-4280 *2



### AF-3806

6 x 38 mL tubes

• Samples can be refrigerated to as low as 4°C. (8°C or below at 25°C ambient temperature). Values in parentheses indicate maximum speed and RCF when samples are refrigerated to 4°C. Contact our distributor.

\* Autoclave parameters should not be exceeded. Refer to the Operation and Service Manual.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Tube Rack Adaptor Code No.
AF-3806	6 x 38 mL	25.4-25.7 x 87-95	15,000 (14,500)	21,880 (20,450)	—

\* 1 BD Falcon tube No. 352006, 352018 and 352059.  
\* 2 This adaptor is for biohazard-proof requirements.

## Multi-purpose Swinging Bucket Rotor



### SF-720

Max. 3,500 rpm

Max. 2,380 xg

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Bucket Code No.	Tube Rack Adaptor Code No.
SF-720	80 x 1.5/2 mL	9.5~11 x 36~42	3,500	2,290	053-5820	055-4800
	96 x RIA tube/6 mL	10~12.3 x 65~95	3,500	2,190	053-5820	055-4730
	48 x 5-7 mL blood collecting tube *1	12~13.3 x 63~110	3,500	2,310	053-5820	055-4990
	24 x 8 mL CPT cell preparation tube *2	13.5~15.8 x 81~130	3,500	2,310	053-5820	055-6900
	80 x 10 mL	12.5~13.8 x 65~95	3,500	2,260	053-5820	055-4740
	48 x 10 mL Blood collecting tube/15 mL	15~17.2 x 81~110	3,500	2,330	053-5820	055-4750
	68 x 5-7 mL blood collecting tube *1	12~13.7 x 62~110	3,500	2,300	053-5840	055-0260
	48 x 5-10 mL blood collecting tube/15 mL *1	12~17.2 x 72~110	3,500	2,330	053-5820	055-0880
	68 x 10 mL Blood collecting tube/15 mL	15~17.2 x 52~110	3,500	2,300	053-5840	—
	28 x 15 mL Conical tube	17 x 121	3,500	2,300	053-5840	—
	32 x 15 mL Conical tube	17 x 121	3,500	2,330	053-5820	055-4780
	8 x 50 mL	27~36.4 x 85~110	3,500	2,330	053-5820	055-4760
	16 x 50 mL Conical tube	30 x 117	3,500	2,330	053-5820	055-6070
	4 x 100 mL	38~46.5 x 75~120	3,500	2,330	053-5820	055-4770
	4 x 175/200/225 mL Conical tube *3	61 x 118/61 x 130/61 x 137	3,500	2,330	053-5820	055-4850
4 x 250 mL	60~61.8 x 100~130	3,500	2,380	053-5820	055-4850	
8x/12x/16x Self-standing sputum tube *4	Cap diam. 48/ 37/ 31	3,500	*4	053-5820	*4	

\* 1 Blood collecting tubes made by SEKISUI (Insepack II), Termo (Venocject II), Nipro (Neotube), Beckton Dickinson (Vacutenar) can be used. Tubes for flow cytometry can also be used.

\* 2 Vacutenar 8 mL blood cell collecting tubes for CPT separation made by Beckton Dickinson can be used.

\* 3 175 mL, 200 mL and 225 mL conical tubes can be centrifuged if cushions are used.

175/225 mL conical BD Falcon tubes (catalogue No.352076/No.352075) require cushions No.352090.

200 mL Nunc bottles (No.376813) requires cushions (No.377585).

\* 4 Various sputum tube capacities can be used. Contact our distributor for details.



\* Autoclavable (121°C)

### SF-410

Max. 5,000 rpm

Max. 4,470 xg

The covers on the bucket tops are optional sealing caps (Code No.K17111).

Combinations illustrated in photo cannot actually be used.

● Samples can be refrigerated to as low as 4°C. (8°C or below at 25°C ambient temperature). Values in parentheses indicate maximum speed and RCF when samples are refrigerated to 4°C.

\* Autoclave parameters should not be exceeded. Refer to the Operation and Service Manual.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Bucket Code No.	Tube Rack Adaptor Code No.
SF-410	48 x 1.5/2 mL	10.7 x 42	5,000 (4,500)	4,160 (3,370)	Equipped with rotor	K17008
	48 x 5 mL RIA tube	12.5 x 55~75	5,000 (4,500)	4,160 (3,370)	Equipped with rotor	K17006
	48 x 7 mL	12~12.5 x 100~112	5,000 (4,500)	4,160 (3,370)	Equipped with rotor	K17007
	28 x 5-7 mL Blood collecting tube *1	12.5~13 x 75~106	5,000 (4,500)	4,160 (3,370)	Equipped with rotor	K17027
	12 x 15 mL Conical tube *2	16.5 x 120.6	5,000 (4,500)	4,160 (3,370)	Equipped with rotor	K17019
	12 x 15 mL Conical tube *2	16.5 x 120.6	5,000 (4,500)	4,470 (3,620)	K13130	—
	28 x 10 mL Blood collecting tube/15 mL	15.5~17 x 87~110	5,000 (4,500)	4,160 (3,370)	Equipped with rotor	K17015
	4 x 50 mL	27~35.8 x 82~110	5,000 (4,500)	4,160 (3,370)	Equipped with rotor	055-5670
	4 x 50 mL Conical tube	29.5 x 117	5,000 (4,500)	4,160 (3,370)	Equipped with rotor	K17049
	4 x 100 mL	44~45 x 110	5,000 (4,500)	4,160 (3,370)	Equipped with rotor	K17100
	4 x 200 mL	56.5 x 104	5,000 (4,500)	4,160 (3,370)	Equipped with rotor	—

\* 1 Blood collecting tubes by SEKISUI (Insepack II), Termo (Venocject II), Nipro (Neotube), Beckton Dickinson (Vacutenar) can be used. Tube for flow cytometry can also be used.

\* 2 The K17019 tube rack cannot be used with a sealing cap. Code No.K13130 (Bucket for 12 x 15mL TC tubes) can use optional sealing cap (Code No.K17111=optional).

## Multi-purpose Swinging Bucket Rotor



## SF-240

Max. 4,000 rpm

Max. 2,610 xg

## Bucket

24 x 1.5/2 mL  
Code No.053-480024 x 5 mL blood  
collecting tube/10 mL  
Code No.053-58504 x 15 mL conical tube/  
15 mL glass tube/  
10 mL blood collecting  
tube  
Code No.053-49108 x 15 mL conical tube/  
15 mL glass tube/  
10 mL blood collecting  
tube  
Code No.053-49004 x 10 mL blood  
collecting tube/15 mL  
glass tube/50 mL glass  
tube  
Code No.053-4990  
Adaptor for 10 mL blood  
collecting tube/15 mL glass  
tube  
Code No.055-74004 x 50 mL conical tube  
Code No.053-5010  
Adaptor applicable for  
15 mL/50 mL  
Code No.055-6010

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Bucket Code No.	Tube Rack Adaptor Code No.
SF-240	24 x 1.5/2 mL *1	9.5~11 x 36~42	4,000	2,410	053-4800	—
	24 x 5 mL Blood collecting tube/10 mL *2	12.5~13.3 x 46~105	4,000	2,430	053-5850	—
	4 x 10 mL Blood collecting tube/15 mL	15~17.2 x 87~110	4,000	2,540	053-4910	—
	4 x 15 mL Conical tube	17 x 121	4,000	2,580	053-4910	—
	8 x 10 mL Blood collecting tube/15 mL	15~17.2 x 87~110	4,000	2,520	053-4900	—
	8 x 15 mL Conical tube	17 x 121	4,000	2,580	053-4900	—
	4 x 10 mL Blood collecting tube/15 mL	15~17.2 x 87~110	4,000	2,500	053-4990	055-7400 *3
	4 x 50 mL	27~37 x 95~110	4,000	2,540	053-4990	—
	4 x 50 mL Conical tube	30 x 117	4,000	2,560	053-5010	—
	4 x 15/50 mL Conical tube	17 x 121/30 x 117	4,000	2,610/2,500	053-5010	055-6010 *4

\*1 Supports can be provided for special tubes. Contact our distributor.

\*2 When using 5-7 mL Terno tubes (Venocject II), 16 tubes can be set.

\*3 Cushions are required. (Code No.024-1400).

\*4 This adaptor accepts both 15 mL and 50 mL conical tubes.

## Plate Rotor



\* Autoclavable (121°C)

## PF-21

Ethanol precipitation at 3,100 xg

\* Autoclave parameters should not be exceeded. Refer to the Operation and Service Manual.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Bucket Code No.	Tube Rack Adaptor Code No.
PF-21	6 x Micro-plates *1	86(W)x130(D)x62(H)	5,000	3,100	Equipped with rotor	—
	2 x Deep-well plates *1					



\* Autoclavable (121°C)

## PF-23

6 x Micro-plates  
2 x Deep-well plates

\* Autoclave parameters should not be exceeded. Refer to the Operation and Service Manual.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Bucket Code No.	Tube Rack Adaptor Code No.
PF-23	6 x Micro-plates *1	86(W)x128(D)x52(H)	4,000	1,790	Equipped with rotor	—
	2 x Deep-well plates *1					



with shield cover

## PF-745S

12 x Micro-plates  
4 x Deep-well plates  
Ethanol precipitation at 3,100 xg

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	Maximum Speed rpm	Maximum RCF xg	Bucket Code No.	Tube Rack Adaptor Code No.
PF-745S	12 x Micro-plates *1	86(W)x128(D)x90(H)	4,200	3,100	Equipped with rotor	055-6380 *2
	4 x Deep-well plates *1					

\*1 Verify plate strength before centrifuging. Plates in lower position may fracture.

\*2 Facilitates removing plates from buckets.

# Specifications

## Model 6200

- Maximum Speed ● 16,000 rpm
- Maximum RCF ● 23,470 xg
- Maximum Capacity ● 1,020 mL
- Control system ● Micro-processor control (brush-less motor)
  - Speed, RCF(g), Time, g-sec, Temperature, Acceleration and Deceleration, 5 memory banks
- Alarm display ● Lid open, Imbalance, Over speed, Rotor setting condition, Abnormally high temperature, Detected electrical abnormality in motor, inverter, lid interlock, speed sensor and temperature sensor
- Acceleration/Deceleration ● Three selectable rates : Rapid, Slow and Super Slow
  - Speed setting ● From 200 to 16,000 rpm, 10 or 100 rpm increments
  - Speed indication ● Digital display, from 0 to 16,500 rpm, 10 rpm increments
  - RCF setting ● From 10 to 23,470 xg, 10 or 100 xg increments
  - RCF indication ● Digital display, from 0 to 24,960 xg, 10 xg increments
- Integrator setting and indication ● Digital display, from 1.00 - 9.99 x 10<sup>3</sup> g-sec
- Timer setting and indication ● Digital display, with HOLD function (continuous operation) and flashing
  - 1 second to 100 seconds, 1 sec increments
  - 100 seconds to 990 seconds, 10 sec increments
  - 1 minute to 100 minutes, 1 min increments
  - 100 minutes to 990 minutes, 10 min increments
- Temperature setting and indication ● Digital display, -20°C to +40°C, 1°C increments
  - Refrigerant ● R134a
  - Power requirements ● Single phase 50/60 Hz, 110V±10% 15A, 220V±10% 10A, 230V±10% 10A
- Rated voltage and rated current ● 110V 9.0A, 220V 4.5A, 230V 4.5A
- Power consumption and heat output ● 800W 2.9 MJ/h
- Dimensions, weight ● 50(W) x 65(D) x 85(H) cm<sup>(\*)</sup>, 118 kg



(\*) Not including projections.

All specifications and external appearance are subject to change without notice.

\* Use only rotors, adaptors and tube racks made by KUBOTA. Do not attempt to use rotors, adaptors or tube racks made by other manufacturers.

\* Follow all instructions in the relevant Instruction & Service Manual when operating centrifuges.

## Kubota has acquired ISO 9001 and ISO13485 certification.

 <b>Safety Precautions</b>	For your safe use of the equipments, be sure to read the instruction manual carefully before you start its operation.	Parts may be adversely affected by heat, humidity and specimens or deteriorated by aging resulting in functional failures or may even lose their safety characteristic to cause accidents.
 <b>DISCONTINUE USE</b> Always discontinue use when phenomena listed at right appear.	<ul style="list-style-type: none"> <li>•The rotor or bucket has been found to be damaged or corroded.</li> <li>•A burnt smell comes out of the equipment.</li> <li>•You receive a minor electrification when you touch the equipment body by a naked hand.</li> <li>•Some other abnormality or failure has been found occurring.</li> </ul>	<div style="background-color: yellow; padding: 5px; text-align: center;"><b>IMPORTANT</b></div> To prevent occurrences of functional failures or accidents, turn off the power switch, pull out the power cable plug from the plug socket and be sure to contact your nearest Kubota Dealer, or an office of Kubota Corporation when there is no Kubota Dealer in your neighbourhood.

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*Note: This catalogue is not for distribution in the USA, Canada, Mexico and Australia as products shown are not for sale in these countries.*