

KUBOTA

**High Speed
Refrigerated Centrifuge**

Model **7000**



**Packed
with
new
features**

**Compact High Speed
Refrigerated Centrifuge**

Model **6000**



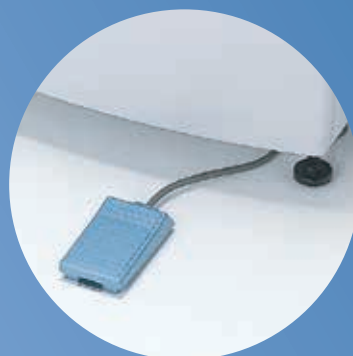
Simple design with new easy-to-use features



High Speed
Refrigerated Centrifuge
Model **7000**



Compact High Speed
Refrigerated Centrifuge
Model **6000**



Optional foot switch available for
hands-free lid opening

Keeping routine work easy by enhancing basic functions and effectively supporting diverse needs that change on a daily basis

NEW

Just set the rotor in position – no complicated mounting procedures necessary.

A beep lets you know that the rotor is properly set. (patented)

Prevents accidents caused by improper setting of the rotor.

NEW

A click signals that the rotor lid is mounted correctly and prevents mounting errors. (patented)

Prevents accidents caused by rotor lid mounting errors. Handle is large and easy to turn.

Turn the handle until you hear the click signaling that mounting of the rotor lid is complete.

Tighten a knob clockwise until it clicks.



NEW

Lightweight rotors for easy replacement

New rotors are surprisingly lighter than conventional rotors. (as compared with our previous rotors)



10.1kg

6 x 250mL
A-2506



13.3kg

4 x 500mL
A-5004



14.9kg

6 x 500mL
A-5006



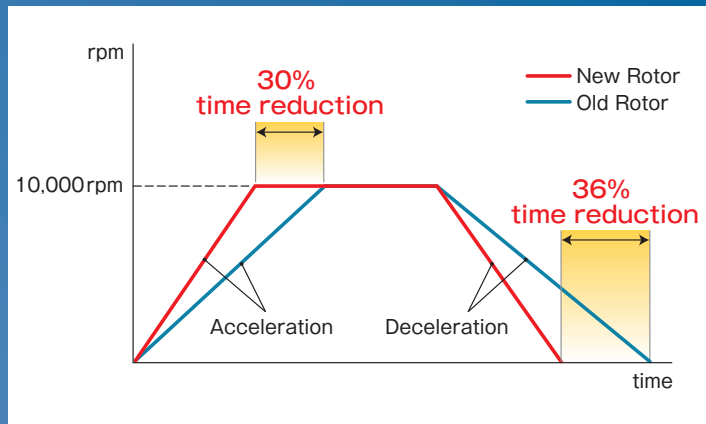
14.1kg

4 x 1,000mL
A-1K4

NEW

Fast acceleration and deceleration

Time to acceleration and deceleration is 16~48% faster.
(as compared with our previous rotors)



Comparison of 6 x 500mL rotor for Model 7000
(as compared with our previous rotors)

Special

50mL conical tubes can be used at 36,530xg~20,850xg (patented)

Allows the use of most conical tubes

(Some conical tubes cannot be used. Refer to page 8.)

By lowering rotating-speeds to prevent tube breakage,
the use of specific conical tubes is not required.



A-508C
8 x 50mL 16,500rpm, 36,530xg
for model 7000



A-6512C
12 x 50mL 11,500rpm, 20,850xg
12 x 15mL 11,500rpm, 17,590xg
for model 7000

NEW

Newly-developed timer function

Can start a countdown sequence once the target speed is reached, or can start a countdown after the start of centrifuge operation

NEW

New Stainless Steel Bottles

Use of the full capacity of the bottle is possible. Leakage prevention with sealing caps

- Wide mouth construction makes sample collection easy.
- Made of chemically-resistant and durable stainless steel.
- Can be used at high speed centrifugal force.



Autoclavable at 121°C
(supporter is not autoclavable)

250mL
Code No.052-0050



Autoclavable at 121°C

500mL
Code No.052-0060



Autoclavable at 121°C
(outer cap is not autoclavable)

1,000mL
Code No.052-7080

Special

Compact design for effective utilization of laboratory space

Centrifuge is 64cm and 50cm wide, ensuring ease in securing laboratory space.



Easy operation panel with knobs and push-button keys

Speed, time and temperature can be adjusted by just turning knobs.










- **Rotor temperature correction function**
Match sample temperature to the set temperature
- **Pre-cooling function**
Rotor pre-cooling enables rotors to reach low temperatures quickly
- **Memory flashing function (patented)**
Allows automatic saving of duration of spin-down operation to memory.
- **Integrator function (g·sec value) for measuring and calculating total centrifugal force**
- **Fail-safe function to prevent forgetting samples in the centrifuge**
Buzzer sounds when samples are left in the centrifuge
- **Operational supervision function (optional)**
Data on speed, temperature and time is transferred to the computer as output
- **Acceleration and deceleration curve adjustment function**
- **Automatic rotor identification**
Automatically identifies the type of rotor and speed when a rotor is mounted.

Rotor Matching Guide

Rotor Type		Rotor for Conical Tubes		Medium capacity Fixed Angle Rotor		
Rotor Name		A-508C	A-6512C	A-1224	A-506	A-508
						
Reference page		page 8	page 8	page 8	page 8	page 8
Maximum Capacity		8 x 50mL Conical tube	12 x 50mL Conical tube 12 x 15mL Conical tube	24 x 12mL	6 x 50mL	8 x 50mL
50mL Conical tube		8	12	—	—	—
15mL Conical tube		8 (with adaptor)	24 (with adaptor)	—	—	—
Model 7000		16,500 rpm 36,530 xg	11,500 rpm 20,850 xg	18,500 rpm 42,860 xg	22,000 rpm 52,490 xg	20,000 rpm 48,300 xg
Model 6000		15,000 rpm 30,190 xg	10,000 rpm 15,760 xg	17,000 rpm 36,190 xg	20,000 rpm 43,380 xg	17,500 rpm 36,980 xg

Rotor Type		Micro Rotor	Plate Rotor	
Rotor Name		A-224	P-751	P-89
				
Reference page		page 10	page 10	page 10
Maximum Capacity		24 x 1.5/2.0mL	12 x micro-plate 4 x deepwell-plate	8 x micro-plate 4 x deepwell-plate
50~225mL Conical tube		—	—	—
15mL Conical tube		—	—	—
Model 7000		22,000 rpm 44,370 xg	5,000 rpm 4,390 xg	2,400 rpm 1,080 xg
Model 6000		22,000 rpm 44,370 xg	5,000 rpm 4,390 xg	2,400 rpm 1,080 xg

Lightweight · High Capacity Fixed Angle Rotor				
A-1008	A-2506	A-5004	A-5006	A-1K4
				
page 8	page 9	page 9	page 9	page 9
8 x 100mL	6 x 250mL	4 x 500mL	6 x 500mL	4 x 1,000mL
—	—	—	—	—
—	—	—	—	—
15,500 rpm 35,190 xg	13,000 rpm 26,830 xg	12,000 rpm 23,830 xg	10,000 rpm 18,890 xg	9,000 rpm 15,760 xg
13,500 rpm 26,690 xg	11,500 rpm 21,000 xg	8,500 rpm 11,950 xg	8,000 rpm 12,090 xg	—

Swinging Bucket Rotor		
S-722	S-2504	S-5004
 053-5820 053-0020 053-5840		
page 11	page 11	page 11
4 x 250mL	4 x 250mL	4 x 500mL
16 x 50mL Conical tube 4 x 175/200/225mL Conical tube	4 x 50mL Conical tube 4 x 175/225mL Conical tube	12 x 50mL Conical tube 4 x 175/200/225mL Conical tube
32 x 15mL Conical tube	16 x 15mL Conical tube	28 x 15mL Conical tube
3,500 rpm 2,380 xg	4,800 rpm 4,300 xg	4,000 rpm 3,080 xg
3,500 rpm 2,380 xg	4,800 rpm 4,300 xg	4,000 rpm 3,080 xg

High RCF (36,530 xg~20,850 xg) Fixed angle Rotor (for conical tubes)

Even at high centrifugal force, conical tube breakage is rare and high-viscosity proteins can be cleanly separated. (patented)

By lowering rotating-speeds to prevent tube breakage, selecting specific conical tubes is not necessary. Commercially available conical tubes can be used.



* Autoclavable at 121°C



- 50mL conical tubes (polypropylene (PP)), cap diameter up to 36 mm, manufactured by Iwaki, Greiner, Corning, Sarstedt, Falcon, Fisher, Labcon, Sumilon, Violamo or Nunc can be used. By using code No.055-0890 adaptors, 35mL Oak ridge conical tubes (polycarbonate [PC], polypropylene copolymer [PPCO]) from Nalgene can be used.
- A-508C rotors support the use of 15mL conical tubes (PP) manufactured by Greiner, Corning, and Labcon. Tubes from other manufacturers can be used at speeds of 10,000 rpm or less. A-6512C rotors support the use of 15mL conical tubes (PP) from any manufacturer.

A-508C

8 x 50mL Conical tube
8 x 15mL Conical tube*

* Code No. 055-1250 adaptor is required.

A-6512C

12 x 50mL Conical tube
12 x 15mL Conical tube

* There is a limit to the number of times rotors can be autoclaved. Please refer to the instruction manual for details.

By utilizing the click mechanism for A type fixed angle rotors, it is easy to get a handle on the degree of tightening of the rotor lid.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	7000		6000	
			Maximum Speed rpm	Maximum RCF x g	Maximum Speed rpm	Maximum RCF x g
A-508C *1,2	8 x 50 mL Conical tube	30 x 117	16,500	36,530	15,000	30,190
A-6512C *1,3	12 x 50 mL Conical tube	30 x 117	11,500	20,850	10,000	15,760
	12 x 15 mL Conical tube	17 x 121	11,500	17,590	10,000	13,300

*1 Various tube adaptors for this rotor are available. Please contact our distributor for further details.

*2 Refer to the rotor instruction manual for rotor sample temperature.

*3 Rotor sample temperature is maintained at 4°C (ambient temperature is at 25°C).

10mL~100mL Medium Capacity Fixed Angle Rotor



A-1224

24 x 12 mL



A-506

6 x 50 mL

• Tube adaptors are available in various capacities. Please contact our distributor for further details.



A-508

8 x 50 mL

• Tube adaptors are available in various capacities. Please contact our distributor for further details.



A-1008

8 x 100 mL

• Tube adaptors are available in various capacities. Please contact our distributor for further details.

By utilizing the click mechanism for A type fixed angle rotors, it is easy to get a handle on the degree of tightening of the rotor lid.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	7000		6000	
			Maximum Speed rpm	Maximum RCF x g	Maximum Speed rpm	Maximum RCF x g
A-1224 *1,4	24 x 12 mL	15.8~16.4 x 102~105	18,500	42,860	17,000	36,190
A-506 *2,3,4,5	6 x 50 mL	28.5~29 x 102~109	22,000	52,490	20,000	43,380
A-508 *2,3,4,5	8 x 50 mL	28.5~29 x 102~109	20,000	48,300	17,500	36,980
A-1008 *2,3,4	8 x 100 mL	38 x 114	15,500	35,190	13,500	26,690

*1 Refer to the rotor instruction manual for RCF display details.

*2 Various tube adaptors for this rotor are available. Please contact our distributor for further details.

*3 Biohazard-proof sealing adaptors are available. Refer to page 9.

*4 Refer to the rotor instruction manual for rotor sample temperature.

*5 50mL Conical tube can not be used.

250mL~1,000mL (1 L) Large Capacity Fixed Angle Rotor



A-2506 Lightweight rotor
6 x 250mL **10.1kg**

■ The rotor is approximately 27% lighter and acceleration and deceleration is faster (as compared with the AG-2506 rotor).

● Tube adaptors are available in various capacities. Please contact our distributor for further details.



A-5004 Lightweight rotor
4 x 500mL **13.3kg**

■ The rotor is approximately 40% lighter and acceleration and deceleration is faster (as compared with the AG-5004 rotor).

● Tube adaptors are available in various capacities. Please contact our distributor for further details.



A-5006 Lightweight rotor
6 x 500mL **14.9kg**

■ The rotor is approximately 30% lighter and acceleration and deceleration is faster (as compared with the AG-5006A rotor).

● Tube adaptors are available in various capacities. Please contact our distributor for further details.



A-1K4 Lightweight rotor
4 x 1,000mL **14.1kg**

■ With standard attachment sealing caps, samples can be filled to the full 1000 mL capacity.

■ The rotor is approximately 26% lighter and is easy to remove and handle. Acceleration and deceleration is faster (as compared with the AG-1K4 rotor).

■ The widemouth construction makes sample collection easy.

By utilizing the click mechanism for A type fixed angle rotors, it is easy to get a handle on the degree of tightening of the rotor lid.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	7000		6000	
			Maximum Speed rpm	Maximum RCF x g	Maximum Speed rpm	Maximum RCF x g
A-2506 *1,3	6 x 250 mL	60~62.4 x 119~137	13,000	26,830	11,500	21,000
A-5004 *1,2,3	4 x 500 mL	69~70.2 x 155~170.5	12,000	23,830	8,500	11,950
A-5006 *1,2,3	6 x 500 mL	69~70.2 x 155~170.5	10,000	18,890	8,000	12,090
A-1K4 *1,4	4 x 1,000 mL	95.7~98.3 x 194.3~196.8	9,000	15,760	—	—

*1 Various adaptors for this rotor are available. Please contact our distributor for further details.

*2 Biohazard-proof sealing adaptors are available. Refer to the lower-half of this page.

*3 Refer to the rotor instruction manual for rotor sample temperature.

*4 Rotor sample temperature is maintained at 4°C (ambient temperature is at 25°C).

Biohazard-proof Sealing Adaptors



High speed rotor
A-506, A-508, A-1008,
A-5004, A-5006

For 10/50mL Oak Ridge type tubes and 250mL bottles

Sealing Adaptor for High Speed Fixed Angle Rotors



for 10mL Oak Ridge type tubes
Code No.055-4280



for 50mL Oak Ridge type tubes
Code No.055-0530



for 250mL Bottles
Code No.055-4510

Rotor Name	Nominal Capacity	Tube type	Tube size (mm) diam. x length	Code No. *1	7000		6000	
					Maximum Speed rpm	Maximum RCF x g	Maximum Speed rpm	Maximum RCF x g
A-506	10 mL Oak ridge	FEP 3114-0010	16.0~16.1 x 79~92	055-4280	22,000	49,240	20,000	40,700
A-508		PSF 3115-0010 PC 3118-0010 PPCO 3119-0010						
A-1008	50 mL Oak ridge	FEP 3114-0050 PSF 3115-0050 PC 3118-0050 PPCO 3119-0050	28.8~29.0 x 103~108	055-0530	15,500	33,040	13,500	25,060
A-5004	250 mL Bottle	PPCO 3120-0250 *2	61.1~61.8 x 125~137	055-4510	12,000	23,180	8,500	11,630
A-5006		PC 3122-0250 *2 PPCO 3141-0250 *2 PC 3140-0250 *2						

*1 Adaptors are made of polyacetal and caps are polycarbonate.

*2 Please provide the code no. for 250 mL bottles in use.

FEP = Teflon, PSF = Polysulfone, PC = Polycarbonate, PPCO = Polypropylene Copolymer

Micro Rotor



A-224

24 x 1.5/2mL
24 x 0.5mL
24 x 0.4mL
24 x 0.2mL PCR

* There is a limit to the number of times rotors can be autoclaved. Please refer to the instruction manual for details.

* Autoclavable at 121°C

By utilizing the click mechanism for A type fixed angle rotors, it is easy to get a handle on the degree of tightening of the rotor lid.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	7000*1		6000*1		Adaptor Code No.
			Maximum Speed rpm	Maximum RCF x g	Maximum Speed rpm	Maximum RCF x g	
A-224	24 x 1.5/2 mL	9.5~11 x 36~42	22,000	44,370	22,000	44,370	—
	24 x 0.5 mL	7.0~7.9 x 25~34		39,500		39,500	055-7590
	24 x 0.4 mL	5.4~6.1 x 26~48		43,830		43,830	055-1240
	24 x 0.2 mL PCR *2	5.9~6.3 x 20~24		34,630		34,630	055-0500

*1 Model 7000: Rotor sample temperature is maintained at 4°C (ambient temperature is at 25°C).
Model 6000: Refer to the rotor instruction manual for rotor sample temperature.

*2 0.2mL PCR tubes cannot withstand high-speed centrifugal force and may not be used at the maximum speed.

Plate Rotors

Comes equipped with shield covers to help prevent contamination.
May be used for DNA extraction & purification, ethanol precipitation, purification of PCR products in PCR plates, and dye-terminator removal.



P-751

12 x Micro-plate
4 x Deepwell-plate

● Equipped with Shield Cover
Optional tray (Code No.055-6380) is required.



P-89

8 x Micro-plate
4 x Deepwell-plate

Optional tray (Code No.055-6370) is available.

Rotor Name	Plate Capacity	Maximum Plate size (mm)	7000		6000	
			Maximum Speed rpm	Maximum RCF x g	Maximum Speed rpm	Maximum RCF x g
P-751 *1,2	12 x micro-plate	86(W) x 128(D) x 90(H)	5,000	4,390	5,000	4,390
	4 x deepwell-plate					
P-89 *1,2	8 x micro-plate	86(W) x 130(D) x 89(H)	2,400	1,080	2,400	1,080
	4 x deepwell-plate					

*1 Please consult our distributor regarding lead time.

*2 Verify the plate strength before centrifuging. Plates in lower positions may crack.

Trays for P-751 Code No. 055-6380 (optional)



12 x 96 well plate



4 x deepwell-plate



4 x square-well plate

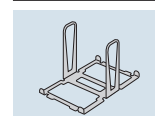


2 deep-well + filter plate



2 x PCR plate

Tray for P-89 Code No. 055-6370 (optional)



* There is a limit to the number of times rotors can be autoclaved. Please refer to the instruction manual for details.

Swinging Bucket Rotor



S-722

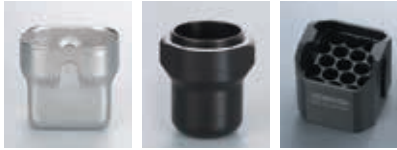
(Buckets sold separately)

Max. 3,500 rpm
Max. 2,380 x g

* Autoclavable at 121°C
Please contact our distributor for tube racks and adaptor.

Bucket Code No.

053-5820 053-0020 053-5840



S-2504

(Equipped with buckets)

Sealing caps (Code No. 055-0964) are sold separately.

Max. 4,800 rpm
Max. 4,300 x g

* Autoclavable at 121°C

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	7000/6000		Bucket Code No.	Tube Rack Adaptor Code No.
			Maximum Speed rpm	Maximum RCF x g		
S-722 *12	80 x 1.5/2mL	9.5~11 x 36~42	3,500	2,290	053-5820	055-4800
	24 x 8mL CPT cell preparation tube *1	13.5~15.8 x 81~130		2,310		055-6900
	80 x 10mL glass tube	12~13.8 x 65~95		2,260		055-4740
	48 x 5~10mL blood collection tube/15mL glass tube *2	12~17.2 x 72~110		2,330		055-0880
	32 x 15mL Conical tube	17 x 121		2,330		055-4780
	8 x 50mL glass tube	27~36.4 x 85~110		2,330		055-4760
	16 x 50mL Conical tube	30 x 117		2,330		055-6070
	4 x 100mL glass tube	38~46.5 x 83~120		2,330		055-4770
	4 x 175/200/225mL Conical tube *3,4	61 x 118/61 x 130/61 x 137		2,330		055-4850
	250mL x 4 *5	60~61.8 x 100~134.4		2,380		055-4850
	8x/12x/16x Self-Standing sputum collection tube	cap size ϕ 48/ ϕ 37/ ϕ 31	2,250~2,300	*6		
	36 x 1.5/2mL *9	9.5~11 x 36~42	3,500	2,260	053-0020	055-1190
	28 x 5~10mL blood collection tube/15mL glass tube *2,9	12~17.2 x 72~110		2,200		055-1140
	16 x 15mL Conical tube *9	17 x 121		2,270		055-1160
	4 x 50mL glass tube *9	27~36.4 x 85~110		2,200		055-1150
	4 x 50mL Conical tube *9	30 x 117		2,260		055-1170
	4 x 100mL glass tube *9	38~46.5 x 113~120		2,260		055-1200
	4 x 175/225mL Conical tube *10	61 x 118/61 x 137		2,260		*3
	4 x 250mL *5,9	60~61.8 x 100~134.4		2,290		—
	4 x Self-Standing sputum collection tube *9	cap size ϕ 31~ ϕ 48		2,260		055-1210
68 x 5~7mL narrow blood collection tube *7	12~13.7 x 62~110	3,500		2,300		053-5840
68 x 10mL blood collection tube/15mL glass tube	15~17.2 x 52~110		2,300	—		
28 x 15mL Conical tube	17 x 121		2,300	—		
36 x 1.5/2mL *9	9.5~11 x 36~42		4,800	4,250	Equipped with rotor	
28 x 5~10mL blood collection tube/15mL glass tube *2,9	12~17.2 x 72~110	4,150		055-1140		
16 x 15mL Conical tube *9	17 x 121	4,280		055-1160		
4 x 50mL glass tube *9	27~36.4 x 85~110	4,150		055-1150		
4 x 50mL Conical tube *9	30 x 117	4,250		055-1170		
4 x 100mL glass tube *9	38~46.5 x 113~120	4,250		055-1200		
4 x 175/225mL Conical tube *10	61 x 118/61 x 137	4,250		*3		
4 x 250mL *5,9	60~61.8 x 100~134.4	4,300		—		
4 x Self-Standing sputum collection tube *9	cap size ϕ 31~ ϕ 48	4,250		055-1210		



S-5004

(Equipped with buckets and sealing caps)

Max. 4,000 rpm
Max. 3,080 x g

* Autoclavable at 121°C

* There is a limit to the number of times rotors can be autoclaved. Please refer to the instruction manual for details.

Rotor Name	Nominal Capacity	Tube size (mm) diam. x length	7000/6000		Bucket Code No.	Tube Rack Adaptor Code No.
			Maximum Speed rpm	Maximum RCF x g		
S-5004 *12	72 x 1.5/2mL	9.5~11 x 36~42	4,000	3,040	Included with rotor	055-0770
	48 x 5~10mL blood collection tube/15mL glass tube *2	12~17.2 x 72~110		2,990		055-0730
	28 x 15mL Conical tube	17 x 121		3,060		055-0750
	12 x 50mL glass tube	27~36.4 x 85~110		2,970		055-0740
	12 x 50mL Conical tube	30 x 117		3,040		055-0760
	4 x 100mL glass tube	38~46.5 x 113~120		2,990		055-1180
	4 x 175/200/225mL Conical tube *3,4	61 x 118/61 x 130/61 x 137		3,040		055-0780
	4 x 250mL *5	60~61.8 x 100~134.4		3,080		055-0780
	4x/8x/12x Self-Standing sputum collection tube	cap size ϕ 48/ ϕ 37/ ϕ 31		3,020		*11
	4 x 500mL *8	85 x 135		3,080		—

- *1 Vacutainer 8 mL blood collection tubes for CPT cell separation (nominal ϕ 16 x 125) manufactured by Becton Dickinson can be used.
- *2 5-10 mL thin and thick blood collection tubes manufactured by SEKISUI (Insepack II), Terumo (Venoject II), Nipro (Neotube), and Becton Dickinson (Vacutainer) can be used. Tubes for flow cytometry can also be used.
- *3 175/225 mL BD Falcon Conical tubes (Catalog No.352076/No.352075) can be utilized if used with cushions (Code No.352090).
- *4 200 mL Nunc conical tubes (Catalog No.376813) can be utilized if used with cushions (Code No.377585).
- *5 Nalgene, Herolab and Corning 250mL flat bottom bottles can be used.
- *6 There are 3 types of tubes: 8 x cap radius ϕ 48 (Code No.055-0430), 12 x cap radius ϕ 37 (Code No.055-0440) and 16 x cap radius ϕ 31 (Code No.055-0450).
- *7 5-7 mL thin blood collection tubes manufactured by SEKISUI (Insepack II), Terumo (Venoject II), Nipro (Neotube), and Beckton Dickinson (Vacutainer) can be used. Tubes for flow cytometry can also be used.
- *8 500 mL bottles (Code No.K15501C/PPCO) can be used.
- *9 Sealing caps (Code No.055-0964) can be used (sold separately).
- *10 To centrifuge 175 mL tubes, sealing caps (Code No.055-0964) can be used (sold separately). Sealing caps cannot be used with 225 mL tubes.
- *11 There are 3 types of tubes: 4 x cap radius ϕ 48 (Code No.055-0810), 8 x cap radius ϕ 37 (Code No.055-0800) and 12 x cap radius ϕ 31 (Code No.055-0790).
- *12 Please consult our distributor regarding lead time.

Specifications

	Model 7000	Model 6000
Maximum Speed	22,000 rpm	22,000 rpm
Maximum RCF	52,490 xg	44,370 xg
Maximum Capacity	4,000 mL	3,000 mL
Control system	Micro-processor control Speed, RCF(g), Time, g·sec, Temperature, Acceleration and Deceleration, 30 memory banks ● Fail-safe function (remind to take sample) ● Prevent overheating and supercooling function (TEMP LIMIT) ● Record function for used cycles of each rotors. ● Automatic rotor identification function ● Timer function (Start the operation at a set time)	
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 and indication	Digital display, 10 rpm increments	
RCF setting and indication	Digital display, 10 xg increments	
Integrator setting and indication	Digital display, from 1.00 - 9.99 x 10 ⁹ 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, Pre-cooling	
Refrigerant	R 404A	
Rated voltage and rated current	Single phase 220V 15A / 230V 14A	Single phase 220V 11A / 230V 11A
Power consumption and heat output	2.6kW 9.4MJ/h	1.8kW 6.5MJ/h
Power requirements	Single phase 220/230V 50/60Hz 30A	Single phase 220/230V 50/60Hz 30A
Dimensions, weight	64(W) x 82(D) x 86(H) cm, 252 kg	50(W) x 78(D) x 85(H) cm, 213 kg
Certificates of conformity	IEC 61010-2-020 CE Marking (AC 220V and 230V versions)	—

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 ISO 13485 certification.

NOTE

Products in this catalogue are designed for use by people having the requisite technical knowledge, and must always be used with care. People who do not have adequate technical knowledge or training should use our products only under appropriate supervision, or else hazards are likely to occur.



DISCONTINUE USE INDICATIONS

Always discontinue use if any of the conditions listed at right are evident.

- The rotor or bucket appears to be damaged or corroded.
- The equipment emits a burnt smell.
- You receive a minor electric shock when you touch the equipment with your bare hand.
- Any other abnormality or indication of failure is noticed.

IMPORTANT

In the event of any observed abnormality in the equipment or its parts, to prevent occurrence of functional failure or accidents, immediately turn off the power switch, disconnect the power cable plug from the mains socket and contact your local distributor or Kubota Corporation if there is no local distributor in your neighbourhood.



Safety Precautions

For your safe use of the equipment, be sure to read the instruction manual carefully before you start operations.

Do not misplace the instruction manual. Keep the instruction manual nearby so you can refer to it whenever necessary.

• The term of supplying spare parts for repair is 7 years after discontinuation of production (except spare parts which we are unable to procure).

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

KUBOTA CORPORATION

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