

Specifications

Model	LCX-200	LCX-100
Maximum Speed	10,000rpm	
Maximum RCF	11,740G	
Maximum Capacity	1,000ml (250ml x 4)	
Speed Control System	Microprocessor feedback control	
Drive Motor	Induction motor	
Drive System	Flex-Spin drive system (Direct drive with an automatic alignment function)	
Data Entry	Jog Dial equipped with an <ENTER> button	
Speed Setting Range	100rpm to 10,000 rpm (100rpm increments)	
RCF Setting Range	10 G to 11,740 G (Less than 300G : 10G increments, Over 300G : 100G increments)	
Time Setting Range	From 10 sec to 50 sec, in 10 sec increments, from 1 min to 99 min, in 1 min increments or <F-> for free	
Safety Devices	<ul style="list-style-type: none"> • Imbalance detector • Lid interlock • Lid open/close detector • Abnormal speed detector • Over-current circuit breaker • Rotor identification system • Motor over-current detector 	
Additional Functions	<ul style="list-style-type: none"> • Three-step acceleration characteristics selection • Three-step deceleration characteristics selection • Three memory function • FLASH (momentary spin) function • BART Code selection • Memory function for the last run parameters 	
Rated Current	120V : 10A 220/230/240V : 6A	— 220/230/240V : 4A
Power Requirements	1-Phase AC120V 60Hz 15A 1-Phase AC220/230/240V 50/60Hz 8A	— 1-Phase AC220/230/240V 50/60Hz 8A
Power Consumption(Heat output)	660W (568kcal/h)	430W (370kcal/h)
Breaker	Rated breaking current 120V : 15A Rated breaking current 220/230/240V : 7.5A	— Rated breaking current 220/230/240V : 7.5A
Protection Against Electric Shock	Class I	
Dimensions(mm)	460W x 584D x 355H (excluding hinge)	430W x 554D x 355H (excluding hinge)
Net Weight	41kg	39kg
Environmental Requirements	Ambient temperature range: 6 to 35°C, Relative humidity: not exceeding 75%RH, Altitude: up to 2000m, Intended exclusively for use indoors, overvoltage category: II, pollution degree: 2, inclination: not exceeding 2 degrees	
Accessories Included	<ul style="list-style-type: none"> • Operator's manual x1 • Warranty Card x1 • BART Code table x1 • Clear storage case for operator's manual x1 • Rotor locking knob x1 • Power cord x1 	

Sales Office:



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Manufacturer:

TOMY KOGYO CO., LTD.

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All TOMY products have a limited one-year warranty.
 Specifications are subject to change according to product advancement.
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LCX Series

Low speed bench-top centrifuge



LCX-200



LCX-100

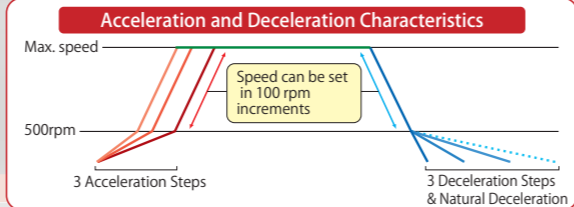


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LCX-Series

Multi-purpose & User Friendly Features

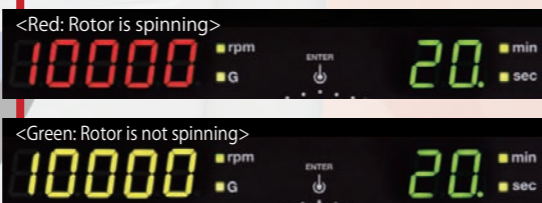
- High Speed Fixed Angle Rotor Available (MAX. 10,000 rpm)
- Various Tubes & Micro/Deep-well Plates Available (From Microtubes to 250ml Bottles, Blood Collection Tubes, etc.)
- Easy Rotor Mount with One-push Rotor Locking Knob
- Eye Balance Sample Load Available by Flex-spin-drive System
- Each Three (3) Acceleration and Deceleration Steps with Natural Deceleration
- Easy to See and Operate Control Panel with Jog Dial and Dual Color LED Display
- Lid Open & Sample Load Available during Power Off
- Compatible Rotor Line-up with TOMY CAX/AX/NIX-Series Centrifuges



Easy to See and Operate Control Panel



Dual Color LED Display



Popular user-friendly Jog Dial with an <ENTER> button enables setting to be changed more quickly and surely.

15ml & 50ml

7M5015-1 (Mix Bucket)

50ml×4 + 15ml×16 for TS-7C Rotor

38M-TC0204P (Mix Rack for Conical Tubes)

50ml×8 or 15ml×16 for TS-38C Rotor

Blood Collection Tubes

3810M-14P (Multi Rack for Blood Collection Tubes)

5 ~ 10ml×56 for TS-38C Rotor

Various series of Blood-Collection tubes available.

Fixed Angle Rotors

Rotor Type & Model	Max. Speed (rpm)	Max. RCF (G)	Rotor Capacity ml (bottom shape) × number (R) : Round, (C) : Conical	Note
CA-1	10,000	7,940	2×18	Microtube
CA-4HS ^{HS} *1	10,000	8,500 7,720	50 (R)×4 14 (R)×4	NAL FLC
CA-5	10,000	9,390	2×24	Microtube
CA-6	10,000	9,390 8,270	2×18 (Outer line) 2×18 (Inner line)	
CA-8 *1	10,000	9,390 9,060	50 (C)×4 15 (C)×4	Conical tube
CA-10	10,000	9,730	2×24	Microtube
CA-12	10,000	9,170	5 (C)×12	TOM *2
CA-14HS ^{HS} *1	10,000	9,390 7,490	50 (C)×4 5 (R)×4	Conical tube FLC *3
CA-15	10,000	8,500 6,600 5,810	2×18 (Outer line) 0.5×12 (Inner line) 0.2×12 (Middle line)	Microtube
CA-16	10,000	11,740 11,180	50 (C)×8 15 (C)×8	Conical tube *4

The above specifications show the maximum value of speed, RCF(G) and sample capacity. These values may change according to the combination of rotor, bucket, adapter and tubes.

Swing - Out Rotors

Rotor Type & Model	Bucket	Tube Rack	Max. Speed (rpm)		Max. RCF (G)		Rotor Capacity ml (bottom shape) × number (F) : Flat, (R) : Round, (C) : Conical	Note		
			LCX-200	LCX-100	LCX-200	LCX-100				
TS-4C	S4096-02	—	1,800	—	510	—	Microplate×4 *5	Plate size up to 128.5L×86D×32Hmm		
TS-6C	6150-01	—	5,000	—	3,860 3,890	—	50 (R)×4, 15 (R)×4 50 (C)×4 *6	Glass Conical tube		
	6015-02	—	3,800	—	2,230	—	15 (R)(C)×8	Glass, Conical tube		
TS-7C	7015-06	—	3,600	—	2,320	—	15 (R)×24, 15 (C)×16 *8	Glass, Conical tube		
	7215-06	—	3,600	—	2,430	—	15 (R)(C)×24			
	7015-08	—	3,500	—	2,190	—	15 (R)×32, 15 (C)×16 *8			
	7115-08	—	3,500	—	2,380	—	15 (R)(C)×32			
	7M5015-1 *9	—	3,500	—	2,150 2,160 2,340 2,370	—	50 (R)×4 50 (C)×4 *7 15 (R)×16 15 (C)×16	Glass Conical tube Glass Conical tube		
	7050-01	—	4,000	—	2,810	—	50 (R)(C)×4, 15 (R)×4 *6 *7	Glass, Conical tube		
	7150-01	—	5,000	—	4,670	—	50 (R)(C)×4, 15 (R)×4 *6 *7			
	7050-02	—	3,500	—	2,150	—	50 (R)(C)×8, 15 (R)×8 *6 *7			
	B407	0705-10P 0705-FA10P	—	3,100 3,100	—	1,670 1,670	—	5 (R)×40	Veno-Ject II tube 5ml (TER) FLC *3	
	SC-2	—	—	1,600	—	420	—	8×4	Floating cell collection bucket	
TS-33C	B433 *10	3305-07P	4,200	4,100	2,900	2,760	5 (R)×28	Veno-Ject II tube 5ml (TER)		
		3307-07P	4,100	—	2,990	—	7 (R)×28	Veno-Ject II tube 7ml (TER)		
		3314-04P	4,000	—	2,990	—	14 (R)×16	FLC		
		3315-G07P	5,000	4,100	4,500	3,030	15 (R)×28	Glass, PAX gene blood collection tube		
		3315-TC04P	5,000	4,100	4,670	3,140	15 (C)×16	Conical tube		
		3350-TC01P	5,000	4,100	4,670	3,140	50 (C)×4	Glass NAL		
		3350-G01P	5,000	4,100	4,500	3,030	50 (R)×4			
		—	5,000	4,100	4,720	3,180	250 (F)×4	FLC *11 *12 FLC *11		
		—	5,000	4,100	4,720	3,180	225 (C)×4 175 (C)×4			
		Bucket cap kit B433 ^{HS} *10	—	—	—	—	—	—	Sealed cap for Bucket B433 CAP433-1 with gasket	
		CS-1	M0415-04	—	10,000	—	8,160 7,940	—	2×16 1.5×16	Microtube
			M0406-05	—	10,000	—	7,160	—	0.5×20	
			M0404-09	—	10,000	—	8,830 7,380	—	0.4×36 0.25×36	
		TS-38C (for LCX-200)	B438	3850-04P	3,500	—	2,380	—	50 (C)×16	Conical tube
3850-N04P	3,500			—	2,380	—	50 (R)×16	NAL		
38M-TC0204P *13	3,500			—	2,380	—	50 (C)×8 or 15 (C)×16	Conical tube		
3850-02P	3,500			—	2,380	—	50 (R)×8	Glass		
3815-10P	3,500			—	2,380	—	15 (C)×40	Conical tube		
3815-16P	3,500			—	2,370	—	15 (R)×64	Glass		
3810M-14P	3,500			—	2,380	—	5~10 (R)×56	Blood collection tube		
3806-EK20P	3,500			—	2,330	—	6 (R)×80	EIK		
3810-N20P	3,500			—	2,270	—	10 (R)×80	NAL		
3805-FA16P	3,500			—	2,080	—	5 (R)×64, 4 (R)×64	FLC or SIO		
3802-EP24P	3,500			—	1,780	—	2 (C)×96, 1.5 (C)×96	Microtube		
B438-29	—			4,200	—	3,650 3,590 3,650 3,650	—	250 (F)×4 250 (R)×4 225 (C)×4 175 (C)×4	NAL FLC *11	
B438-96	—			4,200	—	3,100	—	Microplate×4 *5	Plate size up to 128.5L×86D×33Hmm	
B438-1507BH ^{HS} *14	—			4,000	—	3,310	—	15 (C)×28	Conical tube	
B438-5002BH ^{HS} *14	—	4,000	—	3,310	—	50 (C)×8 15 (C)×8				
TS-41C (for LCX-200)	Bucket, Adapter and Bucket Cover are included.	—	4,500	—	3,150	—	Deep-well plate×4 *5 *15 Microplate×8 *5	Plate size up to 128.5L×86D×90Hmm *15 Plate size up to 128.5L×86D×58Hmm		

Tubes other than stated above are also available. As for details, please contact your local dealer.

CA-5
2ml×24
10,000rpm : 9,390G

CA-14HS
50ml×4
10,000rpm : 9,390G
or 5ml×4
10,000rpm : 7,490G

CA-15
Outer line 2ml×18
10,000rpm : 8,500G
Inner line 0.5ml×12
10,000rpm : 6,600G
Middle line 0.2ml×12
10,000rpm : 5,810G

CA-16
50ml×8
10,000rpm : 11,740G

TS-6C
50ml×4
5,000rpm : 3,890G

TS-7C
15ml×32
5,000rpm : 4,670G

TS-33C
250ml×4
5,000rpm : 4,720G *16

TS-38C
50ml×4
4,200rpm : 3,650G

TS-4C
Microplate×4
1,800rpm : 510G

TS-41C
Deep-well plate×4
4,500rpm : 3,150G *15

Manufacturer Abbreviation TOM: TOMY SEIKO CO., LTD. FLC: Falcon/CORNING INTERNATIONAL CORP. COR: CORNING INTERNATIONAL CORP. EIK: EIKEN CHEMICAL CO., LTD. NAL: NALGENE/Thermo Fisher Scientific K.K. SIO: SHIONOGI & CO., LTD. TER: TERUMO CORPORATION

- *1 : Do not load different type of tubes at the same time. *2 : TOMY 5ml conical tube, PT0050-11. Please contact us for Eppendorf 5ml tube. *3 : Falcon 5ml FACS tubes.
- *4 : For use with 15ml conical tubes, an optional Adapter CA1500-01 is required. *5 : Confirm that the plate can withstand centrifugal force before use. *6 : For 15ml tubes, an adapter A1500-04 is required.
- *7 : For conical tubes, an adapter IW9330-050 is required. *8 : Use only four holes in the center of the bucket (15ml×4) for use with conical tubes. *9 : Can be loaded 50ml tube and 15ml tube mixed together.
- *10 : An optional bucket cap kit B433 is available for use as a sealed bucket. *11 : An optional conical Tube Adapter (Falcon Tube Cushion, Cat. No.352090) is required.
- *12 : Falcon 225ml tube can not be used Bucket cap kit B433. *13 : Can be loaded up to 50ml×4 and 15ml×8 tubes mixed together. *14 : Sealed bucket
- *15 : 2 deep-well plates (up to 128.5L×86D×80Hmm) are available with bucket cover. *16 : Values indicate those of the rotor being mounted in the LCX-200.

^{HS} This bucket, which has been tested and certified by the Health Protection Agency (HPA, UK) to be compliant with the International Standard (Annex AA of the IEC 61010-2-020), meets requirements for biohazard safety. ^{HS} It adopted a hermetically sealed structure equivalent to ^{HS} bucket or rotor designed and tested in accordance with the International Standard (Annex AA of the IEC 61010-2-020) to offer excellent sealing performance.