

■ 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	• Imbalance detector • Lid interlock • Lid open/close detector • Abnormal speed detector • Over-current circuit breaker • Rotor identification system • Motor over-current detector	
Additional Functions	• 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	—
	220-240V : 6A	220-240V : 4A
Power Requirements	1-Phase AC120V 60Hz 15A	—
	1-Phase AC220-240V 50/60Hz 8A	1-Phase AC220-240V 50/60Hz 8A
Power Consumption(Heat output)	660W (568kcal/h)	430W (370kcal/h)
Breaker	Rated breaking current 120V : 15A	—
	Rated breaking current 220-240V : 7.5A	Rated breaking current 220-240V : 7.5A
Protection Against Electric Shock	Class I	
Dimensions(excluding hinge)	460W x 584D x 355H (mm)	430W x 554D x 355H (mm)
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	Operator's manual x1 copy, BART Code table x1 pc, Clear storage case for operator's manual x1 pc, Rotor locking knob x 1 pc, Power cord x1 pc, Digital Warranty Information x1 copy, Inspection sheet x1 copy.	

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Manufacturer:
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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



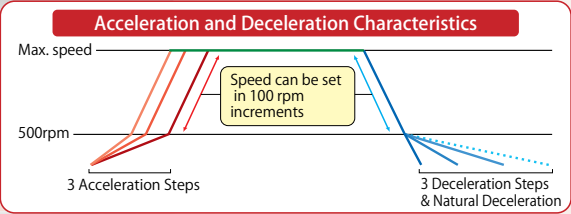
LCX-100



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
- Flex-Spin Drive allows excellent tolerance for minor differences in sample volumes.
- 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



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

Mix Bucket & Mix Rack

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

Multi Rack

Blood Collection Tubes

3810M-14P
(Multi Rack for Blood Collection Tubes)
5 to 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
Fixed Angle Rotors	CA-1	10,000	7,940	2×18	—
	CA-5	10,000	9,390	2×24	
	CA-6	10,000	9,390	2×18 (Outer line)	—
			8,270	2×18 (Inner line)	
	CA-8	10,000	9,390	50 (C)×4	Conical tube
			9,060	15 (C)×4	
	CA-10	10,000	9,730	2×24	—
	CA-12	10,000	9,170	5 (C)×12	
	CA-14HS	10,000	9,390	50 (C)×4	Conical tube
			7,490	5 (R)×4	
	CA-15	10,000	8,500	2×18 (Outer line)	—
			6,600	0.5×12 (Inner line)	
	CA-16	10,000	5,810	0.2×12 (Middle line)	Conical tube
			11,740	50 (C)×8	
			11,180	15 (C)×8	

● 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							
Swing - Out Rotors	TS-4C	S4096-02	—	1,800		510		Microplate × 4 *5	Plate size up to 128.5L × 86D × 32Hmm					
		7015-06	—	3,600		2,320		15 (R) × 24, 15 (C) × 16 *8						
		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						
		TS-7C	7M5015-1 *9	—	3,500	2,150		50 (R) × 4		Glass				
						2,160		50 (C) × 4 *7		Conical tube				
						2,340		15 (R) × 16 *6		Glass				
						2,370		15 (C) × 16		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		Collection bucket of floating cells						
	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						
		3350-G01P		5,000	4,100	4,500	3,030	50 (R) × 4	Glass					
		—		5,000	4,100	4,720	3,180	250 (F) × 4	NAL					
		—		5,000	4,100	4,720	3,180	225 (C) × 4	FLC *11 *12					
		—		5,000	4,100	4,720	3,180	175 (C) × 4	FLC *11					
		Bucket cap kit B433  *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		—		
	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		—				
			B438-29	—	4,200	—	3,650	—	250 (F) × 4		NAL			
		3,590					—	250 (R) × 4						
		3,650					—	225 (C) × 4						
		3,650					—	175 (C) × 4		FLC *11				
		B438-96					—	4,200	—		3,100	—	Microplate × 4 *5	
											Plate size up to 128.5L × 86D × 33Hmm			
			B438-1507BH  *14	—	4,000	—				3,310	—	15 (C) × 28		
	B438-5002BH  *1 *14	—	4,000	—	3,310	—	50 (C) × 8 15 (C) × 8	Conical tube						
	TS-41C (for LCX-200)	Bucket, Adapter and Cover are included.		4,500	—	3,150	—	Deepwell plate × 4 *5 *15 Microplate × 8 *5	Plate size up to 128.5L × 86D × 90Hmm *15 Plate size up to 128.5L × 86D × 58Hmm					

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-7C
15ml×32
5,000rpm:4,670G

TS-33C
250ml×4
5,000rpm:4,720G *16

TS-38C
250ml×4
4,200rpm:3,650G

TS-4C
Microplate×4
1,800rpm:510G

TS-41C
Deepwell 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 : Different types of tubes cannot be loaded together. *2 : TOMY 5ml conical tube, PT0050-11. *3 : Falcon 5ml FACS tubes.
*4 : For use with 15ml conical tubes, an optional Adapter CA1500-01 is required. *5 : Prior to centrifugation, check the durability of plates in use. *6 : For 15ml tubes, an adapter A1500-04 is required.
*7 : For conical tubes, an adapter A3010-01P is required. *8 : For conical tubes, only four holes of the center of the bucket can be used. *9 : Can be loaded 50ml tube and 15ml tube mixed together.
*10 : B433 bucket can be used as a sealed bucket by using an optional [Bucket cap kit B433]. *11 : An optional conical Tube Adapter (Falcon Tube Cushion, Cat. No.352090) is required.
*12 : Falcon 225ml tube cannot be used with Bucket cap kit B433. *13 : Can be loaded up to 50ml ×4 and 15ml ×8 tubes mixed together. *14 : Sealed bucket
*15 : 2 deepwell plates (up to 128.5L×86D×80Hmm) are available with cover. *16 : Values indicate those of the rotor being mounted in the LCX-200.

HS 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 adopted a hermetically sealed structure equivalent to HS rotors designed and tested in accordance with the International Standard (Annex AA of the IEC 61010-2-020) to offer excellent sealing performance.