

High-Speed
Micro
Centrifuges

Versatile
High-Speed Compact
Centrifuge



CF15RXII



CF16RXII



himac CF-RXII SERIES
Hitachi Compact Centrifuges
CF15RXII/CF16RXII

CF-RXII Series High-Speed Compact Centrifuges

CF-RXII series offers wide range of fixed angle rotors in order to process from micro tubes to TC tubes with a single unit of centrifuge under high-speed and controlled temperature. Especially CR16RXII enables you to use both fixed angle rotor and swinging bucket rotor with its compact body. Of course, easy operation, harmonizing global standard and environment-friendly design are in mind.

Various functions with easy operation

- Large LED display and ergonomic design of control panel
- Easy setting of parameters by Jog Dial
- RCF calculation and setting
- Faster acceleration and deceleration than ever
- himac original "Self-Locking Rotor System" for easy exchange of rotors
- Automatic rotor identification
- Visual balancing of the samples accepted
- All rotors maintained at 4°C at their max. speed.
- 5 memorable program, 5 selectable sound for end of running, 4 acceleration modes, 5 deceleration modes



CF16RXII features "Two in One"!!

This unique model enables you to use both fixed angle rotors with micro tubes and swinging bucket rotors with test tubes and tissue culture tubes in a single compact body. In other words, CR16RXII is a high-speed micro centrifuge as well as a versatile centrifuge. This model is very suitable for laboratories that need to centrifuge various types of samples with single unit. Of course, CF16RXII has taken over various functions with easy operation of CF15RXII so that CF16RXII offers optimum performance of centrifuge at every aspect in this class.

Global standard

Safer compact centrifuges! Compliance with CE marking requirements

- **Mechanical safety (Compliance with IEC 61010-2-020 requirements)**
 - CF15RXII/CF16RXII centrifuges have passed the MCA (maximum credible accident) test. This test confirms that no fragments are expelled from the centrifuge in the event of an accident.
- **Electrical safety (Compliance with IEC 61010-2-020 requirements)**
 - Operator safety is ensured even under a single fault condition.
 - Double electric insulation construction for prevention of electric shock and all units have passed a general inspection under high-voltage conditions.
- **Electromagnetic compatibility (EMC Directive: Compliance with EN61326 and other requirements)**
 - Strong immunity to erroneous operation or other malfunction from external electromagnetic emissions. (Protection from nearby lightning strikes and static electricity in dry winter air.)
 - Negligible electromagnetic emissions that would make peripheral equipment operate erroneously.

Environment-friendly design

Meeting Hitachi's environmental standards!

- **Hitachi himac CF15RXII/CF16RXII High-Speed Micro centrifuges are environment-friendly products.**
 - More recyclable, energy-saving and resource-saving than the conventional models in the market.
 - Reduced the use of hazardous substances

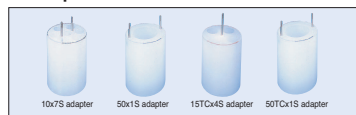
CF-RX series specifications			
Model	CF15RXII		CF16RXII
Type of centrifuge	High-speed micro		Versatile compact
Maximum speed (rpm)	15,000		16,000
Maximum RCF (x g)	22,200 (T15A41/T15A42 rotor)		22,200 (T15A41/T15A42 rotor)
Drive motor*	Inverter motor (brushless)		
Rotation control range (rpm)	300 to 15,000		300 to 16,000
Timer	5 sec. to 55 sec. (in 5 sec. increments) or 1 min. to 99 min. (in 1 min. increments), with HOLD function		
Temperature setting range (°C)	-9 to +40		
Dimensions (mm)	370 (W) x 517 (D) x 834 (H)		490 (W) x 580 (D) x 852 (H)
Power requirements	AC115V±10%, 15A, 60Hz		
	AC200/208V±10%, 8A, 50/60Hz		
	AC220/230/240±10%, 8A, 50Hz		
Weight	AC115V spec.	86	110
	AC200-240V	92	115

- Notes: 1. CF15RXII is centrifuges designed exclusively for automatic identification rotors (ID rotors **PAT.**). It cannot use conventional-type (non-automatic identification) rotors.
2. CF16RXII is compatible with both automatic identification rotors (ID rotors **PAT.**) and non-automatic identification rotors. Non-automatic identification rotors, however, cannot be identified its model automatically.
3. CF-RXII series high-speed compact centrifuges comply with the CE marking.

CF15RX II/CF16RX II -compatible rotors



■ Adapters for T5SS31



CF-RXII series rotor list

Type	Model	Part No. (ID rotor)	Max. nominal tube capacity (ml x number of tubes **)	ID No.	Max. speed (rpm) (max. RC (f x g))	
					CF15RX II	CF16RX II
High-capacity angle, horizontal	T6AP31	90590700	50TC x 8	25	x	6,000 (4,770)
	T8H31	90588500	MP (0.2 x 98) x 4	23	x	8,000 (7,100)
	T9A31	90587400	50TC x 8	24	x	9,000 (10,600)
	T11A33	90588700	50 x 8	28	x	11,000 (14,500)
	T11A34	90588800	80 x 6 (50TC x 6)	29	x	11,000 (14,800)
	T15A41	90591300	50TCx4 or 15TCx4	42	15,000 (22,200)	15,000 (22,200)
	T15A42	90591400	50TCx4 or 15TCx4	42	15,000 (22,200)	15,000 (22,200)
	T11A32	90588300	2 x 48	32	11,000 (12,000/11,200)	11,000 (12,000/11,200)
High-speed micro	T12A31	90590100	PCR tube 0.2 x 48	33	12,000 (14,100)	12,000 (14,100)
	T15S31 *	90588200	2 x 16	34	15,000 (19,500)	15,000 (19,500)
	T15H31 *	90590000	2 x 48	35	15,000 (18,600)	15,000 (18,600)
	T16A31	90587500	2 x 18	36	15,000 (18,800)	16,000 (21,400)
	T14A31	90588600	2 x 30	37	14,000 (21,900)	14,000 (21,900)
	T15AP31	90589300	2 x 18	41	15,000 (18,800)	15,000 (18,800)
	T15A34	90589500	10 x 8	44	15,000 (18,600)	15,000 (18,600)
	T15A35	90589600	30 x 6	45	15,000 (21,100)	15,000 (21,100)
	T15A36	90589700	50 x 4 (15TC x 4)	46	15,000 (21,800)	15,000 (21,800)
	T15A37	90589800	80 x 4	47	15,000 (20,900)	15,000 (20,900)
	T15A38	90590800	2 x 36	48	15,000 (21,600/18,300)	15,000 (21,600/18,300)
	T15A39	90589900	2 x 24	49	15,000 (21,500)	15,000 (21,500)
	T15A43	90591500	2/1.5 x 36 0.2 x 18	43	15,000 (21,600/18,300)	15,000 (21,600/18,300)
	T15A44	90591600	2/1.5 x 18 0.5 x 18 0.2 x 18	43	15,000 (21,600/18,300)	15,000 (21,600/18,300)
Multi-place swing	T5SS31	90587700	250 x 4 (15TC x 16)	50	x	4,800 (4,170)
	T5S32	90587600	96DW/96MP x 2	55	x	4,800 (3,120)
	T5S33	90591700	96DWx4 or 96MPx12	56	x	4,700(3,100)
	T4SS31	90588100	50TC x 8	60	x	4,000 (2,900)
	T3S51 *	90590400	500 x 4	65	x	x
	T3S52 *	90590500	500 x 4	66	x	x

■ **CF16RX II** -compatible rotors



■ Adapters for T4SS31



Optional accessories: Rotors for **CF16RX II**

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Notes: 1.  indicates tubes available on the market. Purchase directly from your local supplier.

2. When ordering bucket sets, tubes and bottles, please reconfirm the Part No. for the specified product before placing your order.

3. **Wide-opening-type bottles manufactured by Nalgene. Nalgene product part Nos. are 250PPCO bottle: 3141-0250; 250PC bottle: 3140-0250.

4. ***Caps are not included with 160PP/PC bottles. Please purchase 160 caps separately for use with these bottles.

5. If one of these rotors is to be used in a previously delivered CF16RX II (MFG No.0112 or before), centrifuge, please contact your nearest Hitachi Koki's representative for information on product adaptability.

Notes: 1. * Buckets are optional items.

2. ** MP: microplate; TC: culture tube; 96DW: 96-hole deep well plate; 96MP: 96-hole microplate.

Regarding rotors that can revolve culture tubes, the maximum nominal capacity is shown in ().

3. For specifications of tubes, bottles and adapters, see p. 30.