

# FLOOR TYPE REFRIGERATED CENTRIFUGE CEN23-50R



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## CEN23-50R

These high quality floor type refrigerated and non-refrigerated centrifuges meet the requirements of your critical research needs such as High speed or high capacity. These centrifuges have advance features such as Auto-decapping of blood collection tubes, Electronic door interlock, Automatic rotor identification, Imbalance protection, Over speed, Over temperature protection, Self-diagnostic of error etc. and the various suitable rotors are available.

Used in Cell Separation, Precipitation, Sample Processing, Clinical, Cell Culture, Microplate Processing, Biochemistry, medical diagnosis.

Also known as Floor Standing Centrifuge, Laboratory Floor Type Centrifuge, Floor Type Refrigerated Centrifuge, Benchtop Centrifuge, Laboratory Tabletop Centrifuge.

## CEN23-50R FLOOR TYPE REFRIGERATED CENTRIFUGE

Microprocessor controlled programmable operation with full color touch screen interface. CFC-free refrigerant system and full color touch screen interface. Stores 1000 user-defined programs in centrifuge memory.



### SPECIFICATIONS

Model	CEN23-50R
Maximum Capacity (No of tubes x Vol.)	4x750 ml
Maximum Speed	5000 rpm with 4x250 ml rotor / 4x50 ml rotor / 4x100 ml rotor
Speed Accuracy	± 10rpm
Maximum RCF	5200xg with 4x250 ml rotor
Temp. Control Range	-20~40°C
Temperature Accuracy	± 1°C
Time Range	Count up or down
Acceleration	40
Deceleration	40
Refrigeration System	CFC-Free
Control System	Microprocessor
Display	Full color touch screen interface
Drive System	Direct, induction motor drive (Inverter Control)
Programmability	Via easy access touch screen menu
Program Storage	1000 user-defined

Safety Device	Imbalance protection, over speed protection, over current protection, lid inter lock system, lid open/close detection, steel housing, corrosion-resistant stainless steel centrifuge chamber, additional inner steel armored guarding, steel lid, etc.
Noise Level	≤ 58 dB (A)
Weight	158 kg
Overall Dimension	26.8x24.4x33 in / 68x62x84 mm
Max. Power Consumption	1800 KW
Power Supply	AC 200-240V, 50Hz or AC 200-240V, 60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Max Speed (rpm)	Max RCF(g)	Rotar Capacity
2201925005	No. 1 Swing-out Rotor Rotor Cross	5000 rpm	4650g	
2201925006	Tube Racks	5000 rpm	4650g	4x50 ml
2201925007	Tube Racks	5000 rpm	4650g	4x100 ml
2201925008	No. 2 Swing-out Rotor Rotor Cross	4000 rpm	2980g	4x100 ml
2201925009	Tube Racks	4000 rpm	2980g	8x50 ml
2201925010	Tube Racks	4000 rpm	2980g	8x100 ml
2201925011	Tube Racks	4000 rpm	2980g	24x10 ml
2201925012	Tube Racks	4000 rpm	2980g	24x15 ml
2201925013	adapters	4000 rpm	2980g	
2201925014	adapters	4000 rpm	2980g	
2201925015	adapters	4000 rpm	2980g	
2201925016	adapters	4000 rpm	2980g	
2201925017	adapters	4000 rpm	2980g	
2201925018	adapters	4000 rpm	2980g	
2201925019	Tube Racks	4000 rpm	2980g	32x10 ml
2201925020	Tube Racks	4000 rpm	2980g	32x15 ml
2201925021	adapters	4000 rpm	2980g	
2201925022	adapters	4000 rpm	2980g	
2201925023	adapters	4000 rpm	2980g	
2201925024	adapters	4000 rpm	2980g	
2201925025	adapters	4000 rpm	2980g	
2201925026	adapters	4000 rpm	2980g	
2201925027	No. 2-2 Swing-Bucket Rotor	4000 rpm	2980g	4x175/225 ml Falcon conical bottle
2201925028	No. 2-3 Swing-Bucket Rotor	4000 rpm	3100g	36x4-10 ml blood collection / urine tube
2201925029	No. 2-4 Swing-Bucket Rotor	4000 rpm	3100g	48x1.6-7 ml blood collection / urine tube
2201925030	No. 2-5 Swing-Bucket Rotor	4000 rpm	3100g	64x1.6-7 ml blood collection / urine tube
2201925031	No. 3 Swing-Bucket Rotor Rotor Cross (with a wind shield)	4000 rpm	3100g	
2201925032	250ml Round Buckets	5000 rpm	5200g	4x250 ml
2201925033	adapters	5000 rpm	5200g	4x100 ml
2201925034	adapters	5000 rpm	5200g	4x50 ml
2201925035	adapters	5000 rpm	5200g	8x50 ml conical
2201925036	adapters	5000 rpm	5200g	8x50 ml round bottom
2201925037	adapters	5000 rpm	5200g	8x30 ml
2201925038	adapters	5000 rpm	5200g	20x15 ml

2201925039	adapters	5000 rpm	5200g	36x10 ml
2201925040	adapters	5000 rpm	5200g	20x5 ml conical
2201925041	adapters	5000 rpm	5200g	32x1.5/2.0 ml
2201925042	adapters	5000 rpm	5200g	32x2.0 ml
2201925043	adapters	5000 rpm	5200g	40x0.5 ml
2201925044	adapters	5000 rpm	5200g	20x10 ml virus sampling tube
2201925045	adapters	5000 rpm	5200g	28x4-10 ml blood collection / urine tube
2201925046	adapters	5000 rpm	5200g	40x1.6-7 ml blood collection / urine tube
2201925047	No. 4 Swing-Bucket Rotor	4000 rpm	1970g	2x3 pcs microplates (96 wells) or 2x3 pcs microtiter plates or 2x2 pcs cell culture plates or 2x1 pc deep well plates
2201925048	No. 5-1 Swing-Bucket Rotor Rotor Cross	4200 rpm	3550g	
2201925049	500ml Round Buckets	4200 rpm	3550g	4x500 ml
2201925050	Aerosol-tight lids for 500ml Round Buckets	4200 rpm	3550g	
2201925051	adapters	4200 rpm	3550g	4x250 ml
2201925052	adapters	4200 rpm	3550g	4x100 ml
2201925053	adapters	4200 rpm	3550g	16x50 ml conical
2201925054	adapters	4200 rpm	3550g	16x50 ml round bottom
2201925055	adapters	4200 rpm	3550g	16x30 ml
2201925056	adapters	4200 rpm	3550g	36x15 ml
2201925057	adapters	4200 rpm	3550g	56x10 ml
2201925058	adapters	4200 rpm	3550g	36x5 ml conical
2201925059	adapters	4200 rpm	3550g	80x1.5/2.0 ml
2201925060	adapters	4200 rpm	3550g	60x2.0 ml
2201925061	adapters	4200 rpm	3550g	80x0.5 ml
2201925062	adapters	4200 rpm	3550g	36x10 ml virus sampling tube
2201925063	adapters	4200 rpm	3550g	56x4-10 ml blood collection / urine tube
2201925064	adapters	4200 rpm	3550g	72x1.6-7 ml blood collection / urine tube
2201925065	adapters	4200 rpm	3550g	4x175/225 ml Falcon conical bottle
2201925066	Rectangular Buckets	4200 rpm	3550g	
2201925067	adapters	4200 rpm	3550g	20x50 ml conical
2201925068	adapters	4200 rpm	3550g	20x50 ml round bottom
2201925069	adapters	4200 rpm	3550g	20x30 ml
2201925070	adapters	4200 rpm	3550g	40x15 ml
2201925071	adapters	4200 rpm	3550g	40x5 ml conical
2201925072	adapters	4200 rpm	3550g	100x1.5/2.0 ml
2201925073	adapters	4200 rpm	3550g	100x2.0 ml
2201925074	adapters	4200 rpm	3550g	48x10 ml virus sampling tube
2201925075	adapters	4200 rpm	3550g	80x4-10 ml blood collection / urine tube
2201925076	adapters	4200 rpm	3550g	112x1.6-7 ml blood collection / urine tube
2201925077	Round Buckets	4200 rpm	3550g	148x5 ml Radio-immunity tube
2201925078	Round Buckets	4200 rpm	3550g	96x1.6-7 ml blood collection / urine tube
2201925079	Plate Buckets	4200 rpm	3550g	4x3 pcs microplates (96 wells) or 4x3 pcs microtiter plates or 4x2 pcs cell culture plates or 4x1 pc deep well plates
2201925080	No. 5-2 Swing-Bucket Rotor	4200 rpm	3550g	4x250 ml Corning conical bottle or 4x200 ml Nunc bottle

2201925081	No. 6-1 Swing-Bucket Rotor	4200 rpm	3550g	4x750 ml
2201925082	adapters	4200 rpm	3550g	4x500 ml
2201925083	adapters	4200 rpm	3550g	4x250 ml
2201925084	adapters	4200 rpm	3550g	12x100 ml
2201925085	adapters	4200 rpm	3550g	20x50 ml (conical)
2201925086	adapters	4200 rpm	3550g	20x50 ml (round bottom)
2201925087	adapters	4200 rpm	3550g	20x30 ml
2201925088	adapters	4200 rpm	3550g	56x15 ml
2201925089	adapters	4200 rpm	3550g	72x10 ml
2201925090	adapters	4200 rpm	3550g	56x5 ml (conical)
2201925091	adapters	4200 rpm	3550g	96x1.5/2.0 ml
2201925092	adapters	4200 rpm	3550g	88x2.0 ml
2201925093	adapters	4200 rpm	3550g	96x0.5 ml
2201925094	adapters	4200 rpm	3550g	76x4-10 ml blood collection / urine tube
2201925095	adapters	4200 rpm	3550g	96x1.6-7 ml blood collection / urine tube
2201925096	adapters	4200 rpm	3550g	148x5 ml Radio-immunity tube
2201925097	adapters	4200 rpm	3550g	4x175/225 ml Falcon conical bottle
2201925098	adapters	4200 rpm	3550g	4x30/50 ml Falcon Cell Culture Flasks or 4x30/50 ml Corning Cell Culture Flasks
2201925099	adapters	4200 rpm	3550g	4x40 ml Nunc Cell Culture Flasks
2201925100	adapters	4200 rpm	3550g	4x160 ml Nunc Cell Culture Flasks
2201925101	adapters	4200 rpm	3550g	4x200 ml Falcon Cell Culture Flasks or 4x200 ml Greiner Cell Culture Flasks or 4x200 ml Nunc Cell Culture Flasks
2201925102	No. 6-2 Swing-Bucket Rotor	4000 rpm	3500g	4x500 ml Corning conical bottle
2201925103	No. 7 Swing-Bucket Rotor	4000 rpm	3580g	6x250 ml
2201925104	adapters	4000 rpm	3580g	6x100 ml
2201925105	adapters	4000 rpm	3580g	6x50 ml
2201925106	adapters	4000 rpm	3580g	12x50 ml conical
2201925107	adapters	4000 rpm	3580g	12x50 ml round bottom
2201925108	adapters	4000 rpm	3580g	12x30 ml
2201925109	adapters	4000 rpm	3580g	30x15 ml
2201925110	adapters	4000 rpm	3580g	54x10 ml
2201925111	adapters	4000 rpm	3580g	30x5 ml conical
2201925112	adapters	4000 rpm	3580g	48x1.5/2.0 ml
2201925113	adapters	4000 rpm	3580g	48x2.0 ml
2201925114	adapters	4000 rpm	3580g	60x0.5 ml
2201925115	adapters	4000 rpm	3580g	30x10 ml virus sampling tube
2201925116	adapters	4000 rpm	3580g	42x4-10 ml blood collection / urine tube
2201925117	adapters	4000 rpm	3580g	60x1.6-7 ml blood collection / urine tube
2201925118	No. 8 Swing-Bucket Rotor	4000 rpm	3580g	4 x buckets
2201925119	adapters	4000 rpm	3580g	4x500 ml
2201925120	adapters	4000 rpm	3580g	4x250 ml
2201925121	adapters	4000 rpm	3580g	16x100 ml
2201925122	adapters	4000 rpm	3580g	28x50 ml (conical)
2201925123	adapters	4000 rpm	3580g	28x50 ml (round bottom)
2201925124	adapters	4000 rpm	3580g	28x30 ml
2201925125	adapters	4000 rpm	3580g	56x15 ml

2201925126	adapters	4000 rpm	3580g	72x10 ml
2201925127	adapters	4000 rpm	3580g	56x5 ml (conical)
2201925128	adapters	4000 rpm	3580g	88x1.5/2.0 ml
2201925129	adapters	4000 rpm	3580g	88x2.0 ml
2201925130	adapters	4000 rpm	3580g	140x1.6-7 ml blood collection / urine tube

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