

# TABLETOP REFRIGERATED CENTRIFUGE CEN1A-220R



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## CEN1A-220R

These centrifuges are widely used in the fields of biochemistry, pharmacy, clinical medicine and other research fields for variety of separation needs. The programmable microprocessor centrifuge allows modification of the parameter during operation. In addition, accommodates various type of tubes or plates and size of the sample.

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.

## CEN1A-220R TABLETOP REFRIGERATED CENTRIFUGE

Full color touch screen interface with microprocessor control system. Store 1000 programs in centrifuge memory which are retained even after powering down the centrifuge. Speed and the centrifugal force can be step adjusted (10 RPM/10xg). High quality CFC-free compressor and maximum speed of 22000 rpm.



### SPECIFICATIONS

Model	CEN1A-220R
Maximum Capacity (No of tubes x Vol.)	6x100 ml
Maximum Speed	22000 rpm with 12x1.5/2.0 ml
Speed Accuracy	±10rpm
Maximum RCF	33820Xg with 12x1.5/2.0 ml
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
Rotor Identification	Auto-ID Instant, immediately upon rotor insertion
Drive System	Direct, induction motor drive (Inverter Control)
Programmability	Via easy access touch screen menu
Program Storage	1000 user-defined
Noise Level	≤57 dB (A)

Weight	60 kg
Overall Dimension	16.5x20.5x14.2 in / 42x52x36 mm
Max. Power Consumption	1200 KW
Power Supply	AC 200-240V,50/60Hz or AC 100-127V,50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Rotor Capacity	Max Speed (rpm)	Max RCF(g)
2201922005	No. 1 Fixed-Angle Rotor	12x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	22000 rpm	33820Xg
2201922006	No. 2 Fixed-Angle Rotor	12x5 ml	17000 rpm	23430Xg
2201922007	No. 3-1 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	16000 rpm	24790Xg
2201922008	No. 3-2 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)(rotor with Aerosol-tight lid)	18000 rpm	31370Xg
2201922009	No. 4-1 Fixed-Angle Rotor	12x10 ml	15000 rpm	20800Xg
2201922010	No. 4-2 Fixed-Angle Rotor	36x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	15000 rpm	21760Xg
2201922011	No. 5-1 Fixed-Angle Rotor	6x50 ml (conical)	13000 rpm	18420Xg
2201922012	adapters		13000 rpm	18420Xg
2201922013	adapters		13000 rpm	18420Xg
2201922014	adapters		13000 rpm	18420Xg
2201922015	adapters		13000 rpm	18420Xg
2201922016	adapters		13000 rpm	18420Xg
2201922017	adapters		13000 rpm	18420Xg
2201922018	adapters		13000 rpm	18420Xg
2201922019	adapters		13000 rpm	18420Xg
2201922020	adapters		13000 rpm	18420Xg
2201922021	adapters		13000 rpm	18420Xg
2201922022	No. 5-2 Fixed-Angle Rotor	48x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	13000 rpm	18520Xg
2201922023	No. 5-3 Fixed-Angle Rotor	6x50 ml (round bottom)	13000 rpm	18420Xg
2201922024	adapters		13000 rpm	18420Xg
2201922025	adapters		13000 rpm	18420Xg
2201922026	adapters		13000 rpm	18420Xg
2201922027	adapters		13000 rpm	18420Xg
2201922028	adapters		13000 rpm	18420Xg
2201922029	adapters		13000 rpm	18420Xg
2201922030	adapters		13000 rpm	18420Xg
2201922031	adapters		13000 rpm	18420Xg
2201922032	adapters		13000 rpm	18420Xg
2201922033	No. 6-1 Fixed-Angle Rotor	4x100 ml	11000 rpm	13350Xg
2201922034	adapters		11000 rpm	13350Xg
2201922035	adapters		11000 rpm	13350Xg
2201922036	adapters		11000 rpm	13350Xg
2201922037	adapters		11000 rpm	13350Xg
2201922038	adapters		11000 rpm	13350Xg
2201922039	adapters		11000 rpm	13350Xg
2201922040	adapters		11000 rpm	13350Xg
2201922041	adapters		11000 rpm	13350Xg
2201922042	adapters		11000 rpm	13350Xg
2201922043	adapters		11000 rpm	13350Xg

2201922044	adapters		11000 rpm	13350Xg
2201922045	adapters		11000 rpm	13350Xg
2201922046	No. 6-2 Fixed-Angle Rotor	8x50 ml (conical)	11000 rpm	14030Xg
2201922047	adapters		11000 rpm	14030Xg
2201922048	adapters		11000 rpm	14030Xg
2201922049	adapters		11000 rpm	14030Xg
2201922050	adapters		11000 rpm	14030Xg
2201922051	adapters		11000 rpm	14030Xg
2201922052	adapters		11000 rpm	14030Xg
2201922053	adapters		11000 rpm	14030Xg
2201922054	adapters		11000 rpm	14030Xg
2201922055	adapters		11000 rpm	14030Xg
2201922056	adapters		11000 rpm	14030Xg
2201922057	No. 6-3 Fixed-Angle Rotor	12x15 ml	12000 rpm	17240Xg
2201922058	adapters		12000 rpm	17240Xg
2201922059	adapters		12000 rpm	17240Xg
2201922060	adapters		12000 rpm	17240Xg
2201922061	adapters		12000 rpm	17240Xg
2201922062	adapters		12000 rpm	17240Xg
2201922063	adapters		12000 rpm	17240Xg
2201922064	No. 6-4 Fixed-Angle Rotor	8x50 ml (round bottom)	11000 rpm	13350Xg
2201922065	adapters		11000 rpm	13350Xg
2201922066	adapters		11000 rpm	13350Xg
2201922067	adapters		11000 rpm	13350Xg
2201922068	adapters		11000 rpm	13350Xg
2201922069	adapters		11000 rpm	13350Xg
2201922070	adapters		11000 rpm	13350Xg
2201922071	adapters		11000 rpm	13350Xg
2201922072	adapters		11000 rpm	13350Xg
2201922073	adapters		11000 rpm	13350Xg
2201922074	No. 6-5 Fixed-Angle Rotor	24x10 ml	11000 rpm	13350Xg
2201922075	No. 7 Fixed-Angle Rotor	6x10 ml	16000 rpm	18980Xg
2201922076	No. 8-1 Fixed-Angle Rotor	8x15 ml	14000 rpm	17310Xg
2201922077	adapters		14000 rpm	17310Xg
2201922078	adapters		14000 rpm	17310Xg
2201922079	adapters		14000 rpm	17310Xg
2201922080	adapters		14000 rpm	17310Xg
2201922081	adapters		14000 rpm	17310Xg
2201922082	adapters		14000 rpm	17310Xg
2201922083	No. 8-2 Fixed-Angle Rotor	6x30 ml	14000 rpm	18450Xg
2201922084	adapters		14000 rpm	18450Xg
2201922085	adapters		14000 rpm	18450Xg
2201922086	adapters		14000 rpm	18450Xg
2201922087	No. 9 Fixed-Angle Rotor	4xPCR-Strips	13000 rpm	14640Xg
2201922088	No. 10 Fixed-Angle Rotor	6x100 ml	10000 rpm	12060Xg
2201922089	adapters		10000 rpm	12060Xg
2201922090	adapters		10000 rpm	12060Xg
2201922091	adapters		10000 rpm	12060Xg

2201922092	adapters		10000 rpm	12060Xg
2201922093	adapters		10000 rpm	12060Xg
2201922094	adapters		10000 rpm	12060Xg
2201922095	adapters		10000 rpm	12060Xg
2201922096	adapters		10000 rpm	12060Xg
2201922097	adapters		10000 rpm	12060Xg
2201922098	adapters		10000 rpm	12060Xg
2201922099	adapters		10000 rpm	12060Xg
2201922100	adapters		10000 rpm	12060Xg
2201922101	No. 11 Fixed-Angle Rotor	24x1.5/2.0 ml Cryo tube	15000 rpm	23400g



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