

FLOOR TYPE REFRIGERATED CENTRIFUGE CEN23-22R



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CEN23-22R

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.

CEN23-22R FLOOR TYPE REFRIGERATED CENTRIFUGE

LCD display

Brushless DC motor

Microprocessor controller

Inner chamber material: Stainless Steel

Electronic door interlock

Automatic rotor identification and Imbalance protection

Operating parameters can be modified during the operation

Memory of 12 programs

40 levels of acceleration and 40 levels of deceleration

Faults are diagnosed automatically

Over speed, Over temperature protection

CFC-free refrigerants system (TECUMSEH EUROPE COMPRESSOR)

Precise temperature control with double loop control design is highly efficient, allows fast heating and cooling

Low noise and very small vibration

RCF can be set up directly, without RPM to RCF translation



SPECIFICATIONS

Model	CEN23-22R
Maximum Capacity (No of tubes x Vol.)	4x750 ml
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Maximum Speed RPM	22000
Speed Accuracy	± 10 rpm
Maximum RCF	34700xg
Timer Range	1~99 h 59 min, pulse
Temperature Increment	1°C
Acceleration Rate	40
Deceleration Rate	40
Drive System	Direct, induction motor drive

Rotor Identification	Auto-ID Instant, Automatic
Overall Dimension	650x550x840 mm
Program	12 user-defined
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	155 kg
Power	1800 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity	RPM	RCF _{xg}
LS52126	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	36x1.5/2.0 ml	15000	20160xg
LS52282	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	36x1.5/2.0 ml	14000	18110xg
LS52295	Fixed-Angle Rotor	Round Bottom	6x50 ml	12000	15970xg
LS52308	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	48x1.5/2.0 ml	12000	15970xg
LS52321	Fixed-Angle Rotor	Round Bottom	8x50 ml	10000	10640xg
LS52334	Fixed-Angle Rotor	12x15 ml		10000	10640xg
LS52347	Fixed-Angle Rotor	6x30 ml		12500	15580xg
LS52360	Swing-out Rotor – Adapter	32x1.5/2.0 ml		4500	3720xg
LS52373	Swing-out Rotor – Adapter	4x50 ml		4500	3720xg
LS52386	Swing-out Rotor – Adapter	8x50 ml		4500	3720xg
LS52515	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	12x1.5/2.0 ml	22000	34700xg
LS52606	Swing-out Rotor – Adapter	4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle		4000	3500xg
LS52620	Fixed-Angle Rotor	Conical	6x50 ml	13000	18740xg
LS52633	Fixed-Angle Rotor	Round Bottom	6x50 ml	13000	18740xg
LS52723	Swing-out Rotor – Adapter	Corning conical bottle	4x500 ml	4000	3500xg
LS52762	Swing-out Rotor – Adapter	4xCorning T-75 cm ² Canted-Neck Cell Culture Flasks		4000	3500xg
LS52775	Swing-out Rotor – Adapter	8xCorning T-25 cm ² Canted-Neck Cell Culture Flasks		4000	3500xg
LS52789	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	48x1.5/2.0 ml	13000	18740xg
LS52801	Fixed-Angle Rotor	12x5 ml		17000	22330xg
LS52802	Fixed-Angle Rotor	4x100 ml		11000	12870xg
LS53003	Swing-out Bucket Rotor	Blood collection tube	96x8/10 ml	4000	3580xg
LS53015	Swing-out Rotor	Blood collection tube	120x2-7 ml	4000	3580xg
LS53027	Swing-out Rotor – Adapter	4x500 ml		4000	3500xg
LS53039	Swing-out Rotor – Adapter	12x100 ml		4000	3500xg
LS53051	Swing-out Rotor – Adapter	20x50 ml		4000	3500xg
LS53063	Swing-out Rotor – Adapter	48x15 ml		4000	3500xg
LS53075	Swing-out Rotor – Adapter	108x1.5/2.0 ml		4000	3500xg
LS53087	Swing-out Rotor – Adapter	Blood collection tube	96x2-7ml	4000	3500xg
LS53100	Fixed-Angle Rotor	Conical	8x50 ml	11000	12870xg
LS53111	Swing-out Rotor – Adapter	Radioimmunity tube	148x5 ml	4000	3500xg
LS53112	Fixed-Angle Rotor	Round Bottom	8x50 ml	11000	12870xg
LS53124	Fixed-Angle Rotor	12x15 ml		11000	12870xg
LS53304	Swing-out Rotor – Adapter	4x100 ml		4500	3720xg
LS53316	Swing-out Rotor – Adapter	36x10 ml		4500	3720xg

LS53328	Swing-out Rotor – Adapter	20x15 ml		4500	3720xg
LS53340	Swing-out Rotor – Adapter	Blood collection tube	28x8/10 ml	4500	3720xg
LS53352	Swing-out Rotor – Adapter	Blood collection tube	40x2-7 ml	4500	3720xg
LS53880	Swing-out Rotor – Adapter	Blood collection tube	36x8/10 ml	4500	3720xg
LS53892	Swing-out Rotor – Adapter	Blood collection tube	40x2-7 ml	4500	3720xg
LS54035	Swing-out Bucket Rotor	2x3 96 well microplates or 2x2 cell culture plates or 2x1 deep well plates		4000	1970xg
LS54083	Swing-out Rotor – Adapter	Falcon conical bottle	4x175/225 ml	4000	3500xg
LS54227	Swing-out Rotor	Corning conical bottle	4x500 ml	4000	1970xg
LS54263	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	24x1.5/2.0 ml	16500	27140xg
LS54275	Swing-out Rotor – Adapter	Blood collection tube	28x2-7 ml	4500	3720xg
LS54540	Swing-out Rotor – Adapter	Blood collection tube	48x2-7 ml	4500	3720xg
LS54552	Swing-out Rotor – Adapter	Blood collection tube	64x2-7 ml	4500	3720xg
LS54564	Swing-out Rotor – Adapter	4x250 ml		4500	3720xg
LS54576	Swing-out Rotor – Adapter	32x1.5/2.0 ml		4500	3720xg
LS54588	Swing-out Rotor – Adapter	4x50 ml		4500	3720xg
LS54600	Swing-out Rotor – Adapter	8x50 ml		4500	3720xg
LS54612	Swing-out Rotor – Adapter	4x100 ml		4500	3720xg
LS54624	Swing-out Rotor – Adapter	36x10 ml		4500	3720xg
LS54636	Swing-out Rotor – Adapter	20x15 ml		4500	3720xg
LS54648	Swing-out Rotor – Adapter	Blood collection tube	28x8/10 ml	4500	3720xg
LS54767	Fixed-Angle Rotor		12x10 ml	15000	20160xg
LS54779	Swing-out Rotor		2x3 96 well microplates or 2x2 cell culture plates or 2x1 deep well plates	4000	1970xg
LS54791	Swing-out Rotor – Adapter	Falcon conical bottle	4x175/225 ml	4500	3720xg
LS54803	Swing-out Rotor – Adapter		4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle	4500	3720xg



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