

# FLOOR TYPE REFRIGERATED CENTRIFUGE CEN23-18R



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## CEN23-18R

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.

## CEN23-18R 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	CEN23-18R
Maximum Capacity (No of tubes x Vol.)	4x250 ml
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Maximum Speed RPM	18000
Speed Accuracy	± 10 rpm
Maximum RCF	22500xg
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	RPM	RCF <sub>xg</sub>	Capacity
LS52100	Rotor	24x1.5/2.0 ml			
LS52113	Swing-out Rotor	2x3 microplates (96 wells) or 2x2 cell culture plates or 2x1 deep well plates	4000	1970 <sub>xg</sub>	
LS52477	Fixed-Angle Rotor	8x15 ml	12500	15580 <sub>xg</sub>	
LS52490	Swing-out Rotor	24x10ml	4000	2980 <sub>xg</sub>	
LS52502	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	18000	22500 <sub>xg</sub>	12x1.5/2.0 ml
LS52593	Swing-out Rotor – Adapter	Falcon conical bottle	4000	3500 <sub>xg</sub>	4x175/225 ml
LS52594	Fixed-Angle Rotor	Conical	12000	15970 <sub>xg</sub>	6x50 ml
LS52607	Adapter	24x0.5 ml			
LS52710	Swing-out Rotor	4x250 ml	4500	3720 <sub>xg</sub>	
LS52736	Swing-out Rotor – Adapter	4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle	4000	3500 <sub>xg</sub>	
LS52749	Swing-out Rotor – Adapter	4xCorning T-75 cm <sup>2</sup> Canted-Neck Cell Culture Flasks	4000	3500 <sub>xg</sub>	
LS52763	Adapter	24x0.2 ml			
LS52776	Fixed-Angle Rotor	4x100 ml	10000	10640 <sub>xg</sub>	
LS52788	Fixed-Angle Rotor	12x5 ml	16000	20790 <sub>xg</sub>	
LS52905	Swing-out Rotor	32x10ml	4000	2980 <sub>xg</sub>	
LS52918	Swing-out Rotor – Adapter	20x15 ml	5000	5200 <sub>xg</sub>	
LS52931	Swing-out Rotor – Adapter	Blood collection tube	5000	5200 <sub>xg</sub>	28x8/10 ml
LS52943	Swing-out Rotor – Adapter	can spin 2-10 ml blood collection tube by using adapters	5000	5200 <sub>xg</sub>	32x15 ml
LS52955	Swing-out Rotor	Blood collection tube	4000	3100 <sub>xg</sub>	28x2-7 ml
LS52967	Swing-out Rotor	Blood collection tube	4000	3100 <sub>xg</sub>	36x8/10 ml
LS52979	Swing-out Rotor – Adapter	Blood collection tube	4000	3400 <sub>xg</sub>	56x8/10 ml
LS52991	Swing-out Rotor – Adapter	Falcon conical bottle	4000	3400 <sub>xg</sub>	4x175/225 ml
LS53064	Fixed-Angle Rotor	Conical	10000	10640 <sub>xg</sub>	8x50 ml
LS53076	Rotor	24x1.5/2.0 ml			
LS53088	Microplate Rotor	384-well / 96-well / Small capacity microliter plates / PCR microliter plates with or without skirt			384-well Microplate Rotor
LS53099	Swing-out Rotor – Adapter	4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle	4000	3400 <sub>xg</sub>	
LS54071	Swing-out Rotor – Adapter	48x15 ml	4000	3500 <sub>xg</sub>	
LS54215	Swing-out Rotor – Adapter	8xCorning T-25 cm <sup>2</sup> Canted-Neck Cell Culture Flasks	4000	3500 <sub>xg</sub>	
LS54239	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	15000	21800 <sub>xg</sub>	24x1.5/2.0 ml

LS54251	Fixed-Angle Rotor	6x10 ml	16000	19070xg	
LS54755	Fixed-Angle Rotor		14000	18110xg	12x10 ml



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