

# TABLETOP REFRIGERATED CENTRIFUGE CEN19-19R



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## CEN19-19R

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.

## CEN19-19R TABLETOP REFRIGERATED CENTRIFUGE

LCD display

Microprocessor controller

Inner chamber material: Stainless Steel

Electronic door interlock

Automatic rotor identification

Brushless DC motor

Memory of 12 programs

19 levels of acceleration and 19 levels of deceleration

Faults are diagnosed automatically

CFC-free refrigerants system (TECUMSEH EUROPE COMPRESSOR)

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

Operating parameters can be modified during the operation



### SPECIFICATIONS

Model	CEN19-19R
Maximum Capacity (No of tubes x Vol.)	4x500 ml
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Maximum Speed RPM	19000
Speed Accuracy	± 10 rpm
Maximum RCF	25070xg
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	750x600x420 mm
Program	12 user-defined
Noise Level	≤ 60 dB(A)

Weight (Net/Gross)	90 kg
Power	1500 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity	RPM	RCF <sub>xg</sub>
LS52217	Swing-out Rotor – Adapter	Blood collection tube	56x8/10 ml	4000	3400xg
LS52230	Swing-out Rotor	2x3 96 well microplates or 2x2 cell culture plates or 2x1 deep well plates		4000	1970xg
LS52555	Swing-out Rotor – Adapter	4x100 ml		4000	3100xg
LS52567	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	12x1.5/2.0 ml	19000	25070xg
LS52685	Swing-out Rotor – Adapter	Falcon conical bottle	4x175/225 ml	4000	3400xg
LS52698	Swing-out Rotor – Adapter	4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle		4000	3400xg
LS52867	Fixed-Angle Rotor	Round Bottom	6x50 ml	12000	15970xg
LS52879	Fixed-Angle Rotor	12x5 ml		16000	20790xg
LS52880	Fixed-Angle Rotor	4x100 ml		10000	10640xg
LS52992	Swing-out Rotor	8x15 ml		5000	4620xg
LS53004	Swing-out Rotor – Adapter	36x10 ml		4000	3100xg
LS53016	Swing-out Rotor – Adapter	20x15 ml		4000	3100xg
LS53052	Swing-out Rotor – Adapter	4x50 ml		4000	3100xg
LS53172	Fixed-Angle Rotor	Conical	8x50 ml	10000	10640xg
LS53184	Swing-out Rotor	24x10 ml		4000	2980xg
LS53196	Swing-out Rotor	32x10 ml		4000	2980xg
LS53652	Swing-out Rotor	4x500 ml		4000	3400xg
LS53664	Swing-out Rotor	blood collection tube (can spin 2-7 ml blood collection tube by using adapters)	8x10 ml	5000	4620xg
LS53676	Swing-out Rotor	8x10 ml		5000	4620xg
LS53844	Swing-out Rotor – Adapter	8x50 ml		4000	3100xg
LS53976	Swing-out Rotor – Adapter	Blood collection tube	28x8/10 ml	4000	3100xg
LS54156	Swing-out Rotor – Adapter	60x1.5/2.0 ml		4000	3400xg
LS54168	Swing-out Rotor – Adapter	4x250 ml		4000	3400xg
LS54180	Swing-out Rotor – Adapter	Blood collection tube	40x2-7 ml	4000	3100xg
LS54192	Swing-out Rotor – Adapter	12x50 ml		4000	3400xg
LS54204	Swing-out Rotor – Adapter	36x15 ml		4000	3400xg
LS54216	Swing-out Rotor	Falcon conical bottle	4x175/225 ml	4000	3100xg
LS54228	Swing-out Rotor – Adapter	Blood collection tube	72x2-7 ml	4000	3400xg
LS54240	Swing-out Rotor	4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle		4000	3100xg
LS54252	Swing-out Rotor	Blood collection tube	28x2-7 ml	4000	3100xg
LS54359	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	24x1.5/2.0 ml	16000	24660xg
LS54371	Fixed-Angle Rotor	6x10 ml		16000	19070xg
LS54491	Swing-out Rotor	4x250 ml		4500	3720xg
LS54503	Swing-out Rotor – Adapter	32x1.5/2.0 ml		4500	3720xg
LS54515	Swing-out Rotor – Adapter	4x50 ml		4500	3720xg
LS54527	Swing-out Rotor – Adapter	8x50 ml		4500	3720xg

LS54539	Swing-out Rotor – Adapter	4x100ml		4500	3720xg
LS54551	Swing-out Rotor – Adapter	20x15 ml		4500	3720xg
LS54563	Swing-out Rotor – Adapter	36x10 ml		4500	3720xg
LS54575	Swing-out Rotor	4x250 ml		4000	3100xg
LS54587	Swing-out Rotor – Adapter	Blood collection tube	40x2-7 ml blood collection tube	4500	3720xg
LS54827	Fixed-Angle Rotor		12x10 ml	14000	18110xg
LS55044	Swing-out Rotor	Blood collection tube	36x8/10 ml	4000	3100xg
LS55056	Fixed-Angle Rotor		6x50 ml	6000	5120xg
LS55068	Swing-out Rotor	blood collection tube (can spin 2-7 ml blood collection tube by using adapters)	16x10 ml	5000	4620xg
LS55080	Swing-out Rotor		16x10 ml	5000	4620xg
LS55092	Swing-out Rotor		16x15 ml	5000	4620xg



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