

FLOOR MODEL REFRIGERATED CENTRIFUGE LTCEN15-14



FLOOR MODEL REFRIGERATED CENTRIFUGE

LTCEN15-14

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

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

LTCEN15-14 FLOOR MODEL 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	LTCEN15-14
Maximum Capacity (No of tubes x Vol.)	4x250 ml , 4 x 100 ml
Temp. Control Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Maximum Speed	4 500 rpm with 4 x 250 ml rotor , 18 000 rpm with 12 x 1.5/2.0 ml
Speed Accuracy	± 10 rpm
Maximum RCF	3 720 Xg with 4 x 250 ml rotor , 30 790 Xg with 24 x 1.5/2.0 ml
Time Range	Count up or down
Acceleration Rate	40
Deceleration Rate	40
Drive System	Direct, induction motor drive (Inverter Control)
Rotor Identification	Auto-ID Instant, immediately upon rotor insertion
Control System	Microprocessor via user-intuitive touch screen interface control
Refrigeration System	CFC-Free
Display	Full color touch screen interface
Programmability	Via easy access touch screen menu
Program Storage	1000 user-defined

Safety Device	Imbalance protection, over speed protection, over current protection, lid interlock system, lid open/close detection, steel housing, corrosion-resistant stainless steel centrifuge chamber, additional inner steel armored guarding, steel lid, etc.
Overall Dimension	26.8x24.4x33 in / 68x62x84 mm
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	160 kg
Power	1800 W
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)
2501521008	No. 1 Fixed-Angle Rotor	12x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	18000 rpm	22640g
2501521009	No. 2 Fixed-Angle Rotor	12x5 ml	16000 rpm	20780g
2501521010	No. 3-1 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	16000 rpm	24790g
2501521011	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	30790g
2501521012	No. 4-1 Fixed-Angle Rotor	12x10 ml	15000 rpm	20800g
2501521013	No. 4-2 Fixed-Angle Rotor	36x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	15000 rpm	20800g
2501521014	No. 5-1 Fixed-Angle Rotor	6x50 ml (conical)	13000 rpm	18420g
2501521015	adapters		13000 rpm	18420g
2501521016	adapters		13000 rpm	18420g
2501521017	adapters		13000 rpm	18420g
2501521018	adapters		13000 rpm	18420g
2501521019	adapters		13000 rpm	18420g
2501521020	adapters		13000 rpm	18420g
2501521021	adapters		13000 rpm	18420g
2501521022	adapters		13000 rpm	18420g
2501521023	adapters		13000 rpm	18420g
2501521024	adapters		13000 rpm	18420g
2501521025	No. 5-2 Fixed-Angle Rotor	48x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	13000 rpm	18420g
2501521026	No. 5-3 Fixed-Angle Rotor	6x50 ml (round bottom)	13000 rpm	18420g
2501521027	adapters		13000 rpm	18420g
2501521028	adapters		13000 rpm	18420g
2501521029	adapters		13000 rpm	18420g
2501521030	adapters		13000 rpm	18420g
2501521031	adapters		13000 rpm	18420g
2501521032	adapters		13000 rpm	18420g
2501521033	adapters		13000 rpm	18420g
2501521034	adapters		13000 rpm	18420g
2501521035	adapters		13000 rpm	18420g
2501521036	No. 6-1 Fixed-Angle Rotor	4x100 ml	10000 rpm	11040g
2501521037	adapters		10000 rpm	11040g
2501521038	adapters		10000 rpm	11040g
2501521039	adapters		10000 rpm	11040g

2501521040	adapters		10000 rpm	11040g
2501521041	adapters		10000 rpm	11040g
2501521042	adapters		10000 rpm	11040g
2501521043	adapters		10000 rpm	11040g
2501521044	adapters		10000 rpm	11040g
2501521045	adapters		10000 rpm	11040g
2501521046	adapters		10000 rpm	11040g
2501521047	adapters		10000 rpm	11040g
2501521048	adapters		10000 rpm	11040g
2501521049	No. 6-2 Fixed-Angle Rotor	8x50 ml (conical)	10000 rpm	11040g
2501521050	adapters		10000 rpm	11040g
2501521051	adapters		10000 rpm	11040g
2501521052	adapters		10000 rpm	11040g
2501521053	adapters		10000 rpm	11040g
2501521054	adapters		10000 rpm	11040g
2501521055	adapters		10000 rpm	11040g
2501521056	adapters		10000 rpm	11040g
2501521057	adapters		10000 rpm	11040g
2501521058	adapters		10000 rpm	11040g
2501521059	adapters		10000 rpm	11040g
2501521060	No. 6-3 Fixed-Angle Rotor	12x15 ml	12000 rpm	15890g
2501521061	adapters		12000 rpm	15890g
2501521062	adapters		12000 rpm	15890g
2501521063	adapters		12000 rpm	15890g
2501521064	adapters		12000 rpm	15890g
2501521065	adapters		12000 rpm	15890g
2501521066	adapters		12000 rpm	15890g
2501521067	No. 6-4 Fixed-Angle Rotor	12x15 ml	10000 rpm	11040g
2501521068	adapters		10000 rpm	11040g
2501521069	adapters		10000 rpm	11040g
2501521070	adapters		10000 rpm	11040g
2501521071	adapters		10000 rpm	11040g
2501521072	adapters		10000 rpm	11040g
2501521073	adapters		10000 rpm	11040g
2501521074	adapters		10000 rpm	11040g
2501521075	adapters		10000 rpm	11040g
2501521076	adapters		10000 rpm	11040g
2501521077	No. 6-5 Fixed-Angle Rotor	22x10 ml	10000 rpm	11040g
2501521078	No. 7 Fixed-Angle Rotor	6x10 ml	16000 rpm	18980g
2501521079	No. 8-1 Fixed-Angle Rotor	8x15 ml	14000 rpm	17310g
2501521080	adapters		14000 rpm	17310g
2501521081	adapters		14000 rpm	17310g
2501521082	adapters		14000 rpm	17310g
2501521083	adapters		14000 rpm	17310g
2501521084	adapters		14000 rpm	17310g
2501521085	adapters		14000 rpm	17310g
2501521086	No. 8-2 Fixed-Angle Rotor	6x30 ml	14000 rpm	17310g
2501521087	adapters		14000 rpm	17310g

2501521088	adapters		14000 rpm	17310g
2501521089	adapters		14000 rpm	17310g
2501521090	No. 9 Fixed-Angle Rotor	2x3 pcs microplates (96 wells) or 2x3 pcs microtiter plates or 2x2 pcs cell culture plates or 2x1 pc deep well plates	4000 rpm	1970g
2501521091	No. 10 Swing-Bucket Rotor Rotor Cross		4500 rpm	3720g
2501521092	250 ml Round Buckets	4x250 ml	4500 rpm	3720g
2501521093	adapters	4x100 ml	4500 rpm	3720g
2501521094	adapters	4x50 ml	4500 rpm	3720g
2501521095	adapters	8x50 ml (conical)	4500 rpm	3720g
2501521096	adapters	8x50 ml (round bottom)	4500 rpm	3720g
2501521097	adapters	8x30 ml	4500 rpm	3720g
2501521098	adapters	20x15 ml	4500 rpm	3720g
2501521099	adapters	36x10 ml	4500 rpm	3720g
2501521100	adapters	20x5 ml (conical)	4500 rpm	3720g
2501521101	adapters	32x1.5/2.0 ml	4500 rpm	3720g
2501521102	adapters	32x2.0 ml	4500 rpm	3720g
2501521103	adapters	40x0.5 ml	4500 rpm	3720g
2501521104	adapters	20x10 ml virus sampling tube	4500 rpm	3720g
2501521105	adapters	28x4 -10 ml blood collection / urine tube	4500 rpm	3720g
2501521106	adapters	40x1.6 -7 ml blood collection / urine tube	4500 rpm	3720g
2501521107	Conical Buckets	4x175/225 ml Falcon conical bottle	4500 rpm	3720g
2501521108	Buckets	36x4-10 ml blood collection /urine tube	4000 rpm	3100g
2501521109	Buckets	48x1.6 -7 ml blood collection / urine tube	4000 rpm	3100g
2501521110	Buckets	64x1.6 -7 ml blood collection / urine tube	4000 rpm	3100g
2501521111	No. 11 Fixed-Angle Rotor	12x50 ml (conical)	10000 rpm	14310g
2501521112	adapters		10000 rpm	14310g
2501521113	adapters		10000 rpm	14310g
2501521114	adapters		10000 rpm	14310g
2501521115	adapters		10000 rpm	14310g
2501521116	adapters		10000 rpm	14310g
2501521117	adapters		10000 rpm	14310g
2501521118	adapters		10000 rpm	14310g
2501521119	adapters		10000 rpm	14310g
2501521120	adapters		10000 rpm	14310g
2501521121	adapters		10000 rpm	14310g



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