

FLOOR MODEL REFRIGERATED CENTRIFUGE LTCEN15-16



FLOOR MODEL REFRIGERATED CENTRIFUGE

LTCEN15-16

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.

LTCEN15-16 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



SPECIFICATIONS

Model	LTCEN15-16
Maximum Capacity (No of tubes x Vol.)	4x1000 ml , 4 x 750 ml
Temp. Control Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Maximum Speed	25 000 rpm with 24 x 1.5/2.0 ml , 10 000 rpm with 6 x 50 ml rotor
Speed Accuracy	± 10 rpm
Maximum RCF	65 000 Xg with 16 x 10 ml , 15 680 Xg with 6 x 50 ml rotor
Time Range	1 min-99 h:59 min,Short
Temp. Accuracy	±1 °C
Acceleration Rate	40
Deceleration Rate	40
Drive System	Direct, Induction motor drive (Inverter Control)
Rotor Identification	Auto-ID Instant, immediately upon rotor insertion
Overall Dimension	28.7 x 33.5 x 36.6 in / 73 x 85 x 93 mm
Program Storage	100 user-defined
Safety Device	Rotor identification system with over speed protection, imbalance protection, over current protection, lid interlock, system, lid open/close detection, steel housing, corrosion-resistant stainless steel centrifuge chamber, additional inner steel armored guardring, steel lid, etc.

Noise Level	≤ 65 dB (A) (depending on rotor)
Weight (Net/Gross)	280 kg
Max. Power Consumption	5000 W
Power Supply	AC 200-240V, 50Hz or AC 200-240V,60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Rotor Capacity	Max Speed (rpm)	Max RCF(g)
2501523008	No. 1 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	25000 rpm	64800g
2501523009	No. 2.1 Fixed-Angle Rotor	16x10 ml	23000 rpm	56880g
2501523010	No. 2.2 Fixed-Angle Rotor	16x10 ml (Titanium alloy rotor)	24600 rpm	65000g
2501523011	No. 3 Fixed-Angle Rotor	8x50 ml (round)	21000 rpm	52360g
2501523012	adapters		21000 rpm	52360g
2501523013	adapters		21000 rpm	52360g
2501523014	adapters		21000 rpm	52360g
2501523015	adapters		21000 rpm	52360g
2501523016	adapters		21000 rpm	52360g
2501523017	adapters		21000 rpm	52360g
2501523018	adapters		21000 rpm	52360g
2501523019	adapters		21000 rpm	52360g
2501523020	adapters		21000 rpm	52360g
2501523021	adapters		21000 rpm	52360g
2501523022	No. 4 Fixed-Angle Rotor	6x250 ml	14000 rpm	32385g
2501523023	adapters		14000 rpm	32385g
2501523024	adapters		14000 rpm	32385g
2501523025	adapters		14000 rpm	32385g
2501523026	adapters		14000 rpm	32385g
2501523027	adapters		14000 rpm	32385g
2501523028	adapters		14000 rpm	32385g
2501523029	adapters		14000 rpm	32385g
2501523030	adapters		14000 rpm	32385g
2501523031	adapters		14000 rpm	32385g
2501523032	adapters		14000 rpm	32385g
2501523033	adapters		14000 rpm	32385g
2501523034	adapters		14000 rpm	32385g
2501523035	adapters		14000 rpm	32385g
2501523036	No. 5 Fixed-Angle Rotor	6x500 ml	10000 rpm	18590g
2501523037	adapters		10000 rpm	18590g
2501523038	adapters		10000 rpm	18590g
2501523039	adapters		10000 rpm	18590g
2501523040	adapters		10000 rpm	18590g
2501523041	adapters		10000 rpm	18590g
2501523042	adapters		10000 rpm	18590g
2501523043	adapters		10000 rpm	18590g
2501523044	adapters		10000 rpm	18590g
2501523045	adapters		10000 rpm	18590g
2501523046	adapters		10000 rpm	18590g

2501523047	adapters		10000 rpm	18590g
2501523048	adapters		10000 rpm	18590g
2501523049	adapters		10000 rpm	18590g
2501523050	adapters		10000 rpm	18590g
2501523051	adapters		10000 rpm	18590g
2501523052	adapters		10000 rpm	18590g
2501523053	No. 6 Fixed-Angle Rotor	4x1000 ml	8000 rpm	12040g
2501523054	adapters		8000 rpm	12040g
2501523055	adapters		8000 rpm	12040g
2501523056	adapters		8000 rpm	12040g
2501523057	adapters		8000 rpm	12040g
2501523058	adapters		8000 rpm	12040g
2501523059	adapters		8000 rpm	12040g
2501523060	adapters		8000 rpm	12040g
2501523061	adapters		8000 rpm	12040g
2501523062	adapters		8000 rpm	12040g
2501523063	adapters		8000 rpm	12040g
2501523064	adapters		8000 rpm	12040g
2501523065	adapters		8000 rpm	12040g
2501523066	adapters		8000 rpm	12040g
2501523067	adapters		8000 rpm	12040g
2501523068	adapters		8000 rpm	12040g
2501523069	adapters		8000 rpm	12040g
2501523070	adapters		8000 rpm	12040g
2501523071	adapters		8000 rpm	12040g
2501523072	No. 7 Fixed-Angle Rotor	12x50 ml (conical)	14000 rpm	30070g
2501523073	adapters		14000 rpm	30070g
2501523074	adapters		14000 rpm	30070g
2501523075	adapters		14000 rpm	30070g
2501523076	adapters		14000 rpm	30070g
2501523077	adapters		14000 rpm	30070g
2501523078	adapters		14000 rpm	30070g
2501523079	adapters		14000 rpm	30070g
2501523080	adapters		14000 rpm	30070g
2501523081	adapters		14000 rpm	30070g
2501523082	adapters		14000 rpm	30070g
2501523083	No. 8-1 Swing-Bucket Rotor	4x750 ml	5000 rpm	5600g
2501523084	adapters	4x500 ml	5000 rpm	5600g
2501523085	adapters	4x250 ml	5000 rpm	5600g
2501523086	adapters	4x175/225 ml Falcon conical bottle	5000 rpm	5600g
2501523087	adapters	12x100 ml	5000 rpm	5600g
2501523088	adapters	20x50 ml (conical)	5000 rpm	5600g
2501523089	adapters	20x50 ml (round bottom)	5000 rpm	5600g
2501523090	adapters	20x30 ml	5000 rpm	5600g
2501523091	adapters	20x25 ml (conical)	5000 rpm	5600g
2501523092	adapters	56x15 ml	5000 rpm	5600g
2501523093	adapters	72x10 ml	5000 rpm	5600g
2501523094	adapters	56x5 ml (conical)	5000 rpm	5600g

2501523095	adapters	88x1.5/2.0 ml	5000 rpm	5600g
2501523096	adapters	88x2.0 ml	5000 rpm	5600g
2501523097	adapters	96x0.5 ml	5000 rpm	5600g
2501523098	adapters	72x4 -10 ml blood collection / urine tube	5000 rpm	5600g
2501523099	adapters	96x1.6 -7 ml blood collection / urine tube	5000 rpm	5600g
2501523100	adapters	148x5 ml Radio-immunity tube	5000 rpm	5600g
2501523101	adapters	4x30/50 ml Falcon Cell Culture Flasks or 4x30/50 ml Corning Cell Culture Flasks	5000 rpm	5600g
2501523102	adapters	4x40 ml Nunc Cell Culture Flasks	5000 rpm	5600g
2501523103	adapters	4x160 ml Nunc Cell Culture Flasks	5000 rpm	5600g
2501523104	adapters	4x200 ml Falcon Cell Culture Flasks or 4x200 ml Greiner Cell Culture Flasks or 4x200 ml Nunc Cell Culture Flasks	5000 rpm	5600g
2501523105	No. 8-2 Swing-Bucket Rotor	4x500 ml Corning conical bottle	5000 rpm	5600g
2501523106	No. 9 Swing-Bucket Rotor	6x50 ml (round)	10000 rpm	15680g
2501523107	adapters		10000 rpm	15680g
2501523108	adapters		10000 rpm	15680g
2501523109	adapters		10000 rpm	15680g
2501523110	adapters		10000 rpm	15680g
2501523111	adapters		10000 rpm	15680g
2501523112	adapters		10000 rpm	15680g
2501523113	adapters		10000 rpm	15680g
2501523114	adapters		10000 rpm	15680g
2501523115	adapters		10000 rpm	15680g
2501523116	No. 10 Fixed-Angle Rotor	12x15 ml	18000 rpm	34740g
2501523117	adapters		18000 rpm	34740g
2501523118	adapters		18000 rpm	34740g
2501523119	adapters		18000 rpm	34740g
2501523120	adapters		18000 rpm	34740g
2501523121	adapters		18000 rpm	34740g
2501523122	adapters		18000 rpm	34740g



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