

BENCHTOP REFRIGERATED CENTRIFUGE LTCEN15-18



BENCHTOP REFRIGERATED CENTRIFUGE

LTCEN15-18

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.

LTCEN15-18 BENCHTOP REFRIGERATED CENTRIFUGE

Inner chamber material: Stainless Steel

Microprocessor controller

LCD display

Electronic door interlock

Brushless DC motor

Stable performance

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

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



SPECIFICATIONS

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|---------------------------------------|---|
| Model | LTCEN15-18 |
| Maximum Capacity (No of tubes x Vol.) | 4x250 ml , 6 x 50 ml |
| Temp. Control Range | -20°C to 40°C |
| Temperature Accuracy | ± 1°C |
| Maximum Speed | 6000 rpm with 6x50 ml / 12x15 ml , 5000 rpm with 4x50 ml rotor /4x100 ml rotor |
| Speed Accuracy | ± 10 rpm |
| Maximum RCF | 5120 rpm with 6x50 ml / 12x15 ml , 5000 rpm with 4x50 ml rotor / 4x100 ml rotor |
| Time Range | Count up or down |
| Acceleration Rate | 40 |
| Deceleration Rate | 40 |
| Control System | Microprocessor |
| Refrigeration System | CFC-Free |
| Drive System | Direct, induction motor drive (Inverter Control) |
| Display | Full color touchscreen interface |
| Programmability | via easy access touchscreen menu |
| Overall Dimension | 25.2 x 22 x 15.4 in / 64 x 56 x 39 mm |
| Program | 1000 user-defined (more up to 40 available if needed) |
| Noise Level | ≤ 56 dB(A) |

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|------------------------|--|
| Weight (Net/Gross) | 80 kg |
| Max. Power Consumption | 1200 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) |
|----------------|--|------------------------|-----------------|------------|
| 2501525008 | No. 1 Swing-out Rotor Rotor Cross | 12x15 ml | 5000 rpm | 4650g |
| 2501525009 | Tube Racks | 8x50 ml | 4000 rpm | 2980g |
| 2501525010 | Tube Racks | 8x100 ml | 4000 rpm | 2980g |
| 2501525011 | adapters | | 4000 rpm | 2980g |
| 2501525012 | adapters | | 4000 rpm | 2980g |
| 2501525013 | adapters | | 4000 rpm | 2980g |
| 2501525014 | adapters | | 4000 rpm | 2980g |
| 2501525015 | adapters | | 4000 rpm | 2980g |
| 2501525016 | adapters | | 4000 rpm | 2980g |
| 2501525017 | adapters | | 4000 rpm | 2980g |
| 2501525018 | adapters | | 4000 rpm | 2980g |
| 2501525019 | adapters | | 4000 rpm | 2980g |
| 2501525020 | adapters | | 4000 rpm | 2980g |
| 2501525021 | adapters | | 4000 rpm | 2980g |
| 2501525022 | adapters | | 4000 rpm | 2980g |
| 2501525023 | Tube Racks | 24x10 ml | 4000 rpm | 2980g |
| 2501525024 | Tube Racks | 24x15 ml | 4000 rpm | 2980g |
| 2501525025 | adapters | | 4000 rpm | 2980g |
| 2501525026 | adapters | | 4000 rpm | 2980g |
| 2501525027 | adapters | | 4000 rpm | 2980g |
| 2501525028 | adapters | | 4000 rpm | 2980g |
| 2501525029 | adapters | | 4000 rpm | 2980g |
| 2501525030 | adapters | | 4000 rpm | 2980g |
| 2501525031 | Tube Racks | 32x10 ml | 4000 rpm | 2980g |
| 2501525032 | Tube Racks | 32x15 ml | 4000 rpm | 2980g |
| 2501525033 | adapters | | 4000 rpm | 2980g |
| 2501525034 | adapters | | 4000 rpm | 2980g |
| 2501525035 | adapters | | 4000 rpm | 2980g |
| 2501525036 | adapters | | 4000 rpm | 2980g |
| 2501525037 | adapters | | 4000 rpm | 2980g |
| 2501525038 | adapters | | 4000 rpm | 2980g |
| 2501525039 | No. 3-1 Swing-Bucket Rotor Rotor Cross | | 4000 rpm | 2980g |
| 2501525040 | No. 3-1 Swing-Bucket Rotor Rotor Cross | 4x250 ml | 4000 rpm | 2980g |
| 2501525041 | adapters | 4x100 ml | 4000 rpm | 2980g |
| 2501525042 | adapters | 4x50 ml | 4000 rpm | 2980g |
| 2501525043 | adapters | 8x50 ml (conical) | 4000 rpm | 2980g |
| 2501525044 | adapters | 8x50 ml (round bottom) | 4000 rpm | 2980g |
| 2501525045 | adapters | 8x30 ml | 4000 rpm | 2980g |
| 2501525046 | adapters | 20x15 ml | 4000 rpm | 2980g |
| 2501525047 | adapters | 36x10 ml | 4000 rpm | 2980g |

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|------------|----------------------------|---|----------|-------|
| 2501525048 | adapters | 20x5 ml (conical) | 4000 rpm | 2980g |
| 2501525049 | adapters | 32x1.5/2.0 ml | 4000 rpm | 2980g |
| 2501525050 | adapters | 32x2.0 ml | 4000 rpm | 2980g |
| 2501525051 | adapters | 40x0.5 ml | 4000 rpm | 2980g |
| 2501525052 | adapters | 20x10 ml virus sampling tube | 4000 rpm | 2980g |
| 2501525053 | adapters | 28x4 -10 ml blood collection / urine tube | 4000 rpm | 2980g |
| 2501525054 | adapters | 40x1.6-7 ml blood collection / urine tube | 4000 rpm | 2980g |
| 2501525055 | Conical Buckets | 4x175/225 ml Falcon conical bottle | 4000 rpm | 2980g |
| 2501525056 | No. 3-2 Swing-Bucket Rotor | 36x4-10 ml blood collection / urine tube | 4000 rpm | 3100g |
| 2501525057 | No. 3-3 Swing-Bucket Rotor | 48x1.6-7 ml blood collection / urine tube | 4000 rpm | 3100g |
| 2501525058 | No. 3-4 Swing-Bucket Rotor | 64x1.6 -7 ml blood collection / urine tube | 4000 rpm | 3100g |
| 2501525059 | No. 4 Swing-Bucket 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 |
| 2501525060 | No. 5-1 Fixed-Angle Rotor | 12x15 ml | 6000 rpm | 5120g |
| 2501525061 | adapters | | 6000 rpm | 5120g |
| 2501525062 | adapters | | 6000 rpm | 5120g |
| 2501525063 | adapters | | 6000 rpm | 5120g |
| 2501525064 | adapters | | 6000 rpm | 5120g |
| 2501525065 | adapters | | 6000 rpm | 5120g |
| 2501525066 | adapters | | 6000 rpm | 5120g |
| 2501525067 | No. 5-2 Fixed-Angle Rotor | 6x50 ml | 6000 rpm | 5120g |
| 2501525068 | adapters | | 6000 rpm | 5120g |
| 2501525069 | adapters | | 6000 rpm | 5120g |
| 2501525070 | adapters | | 6000 rpm | 5120g |
| 2501525071 | adapters | | 6000 rpm | 5120g |
| 2501525072 | adapters | | 6000 rpm | 5120g |
| 2501525073 | adapters | | 6000 rpm | 5120g |
| 2501525074 | adapters | | 6000 rpm | 5120g |
| 2501525075 | adapters | | 6000 rpm | 5120g |
| 2501525076 | adapters | | 6000 rpm | 5120g |



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