

**LABSTAC**

**FLOOR TYPE  
CENTRIFUGE**



# FLOOR TYPE CENTRIFUGE

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, Radio-immunity, Pharmacy, Environmental protection, Research, Manufacturing fields, Hospital, Blood products, Genetic Engineering, Food hygiene, Agricultural science, Inspection, Quarantine, Research areas, Blood Bank, Biological products, Biological pharmacy, Laboratory.

Also known as Floor Standing Centrifuge, Laboratory Floor Type Centrifuge, Floor Type Refrigerated Centrifuge, Microplate Centrifuge, Microliter Plate Centrifuge, Laboratory Centrifuge.

## CF111 FLOOR TYPE CENTRIFUGE

LCD display

The inner chamber is made up of stainless steel

Brushless DC motor

Electronic door interlock

Imbalance protection

Memory of 12 programs

19 levels of acceleration and 19 levels of deceleration

Faults are diagnosed automatically



## SPECIFICATIONS

Model	CF111
Maximum Speed RPM	4000
Maximum RCF	3580xg
Maximum Capacity	4x1000 ml
Speed Accuracy	± 10 rpm
Timer Range	0~99 h 59 min
Motor	Variable Frequency Motor
Noise	≤ 60 dB(A)
Dimension (LxWxH)	700x700x850 mm
Net Weight	130 kg
Power	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Capacity	Max. Speed	Max. RCF
CX1001	Swing-out Rotor	4x1000 ml	3600 rpm	3280xg
CX1002	Swing-out Rotor	6x500 ml	3600 rpm	3030xg
CX1003	Swing-out Rotor	4x500 ml	4000 rpm	3400xg

CX1004	Swing-out Rotor	6x250 ml	4000 rpm	3580xg
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## CF112 FLOOR TYPE CENTRIFUGE

LCD display

The inner chamber is made up of stainless steel

Electronic door interlock

Memory of 12 programs

19 levels of acceleration and 19 levels of deceleration

Automatic Blood Collection Tube Decapping at the end of the process, prevent user from being infected by pathogenic bacteria.

It can spin different capacities blood collection tubes from 2 to 7ml

The machine adopts high torque Motor de frecuencia variable, with precise speed-control



### SPECIFICATIONS

Model	CF112
Maximum Speed RPM	5000
Maximum RCF	5200xg
Maximum Capacity	4x250 ml
Speed Accuracy	± 10 rpm
Timer Range	0~99 h 59 min
Motor	Variable Frequency Motor
Noise	≤ 60 dB(A)
Dimension (LxWxH)	650x550x840 mm
Net Weight	135 kg
Power	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

### OPTIONAL ACCESSORIES

Accessory Code	Name	Capacity	Max. Speed	Max. RCF
CX1005	Swing-out Rotor	12x1.5/2.0 ml (with adapters for 0.2/0.5ml tube)	16000 rpm	17800xg
CX1006	Swing-out Rotor	12x5 ml	15000 rpm	18270xg
CX1007	Swing-out Rotor	24x1.5/2.0 ml (with adapters for 0.2/0.5ml tube)	13000 rpm	16850xg

# CF113 FLOOR TYPE CENTRIFUGE

LCD display

The inner chamber is made up of stainless steel

Electronic door interlock

Imbalance protection

Brushless DC motor

Operating parameters can be modified during the operation

Memory of 12 programs

19 levels of acceleration and 19 levels of deceleration



## SPECIFICATIONS

Model	CF113
Maximum Speed RPM	6000
Maximum RCF	5200xg
Maximum Capacity	4x750 ml
Speed Accuracy	± 10 rpm
Timer Range	0~99 h 59 min
Motor	Variable Frequency Motor
Noise	≤ 60 dB(A)
Dimension (LxWxH)	650x550x840 mm
Net Weight	135 kg
Power	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Capacity	Max. Speed	Max. RCF
CX1008	Swing-out Rotor	4x100ml	5000 rpm	4650xg
CX1009	Swing-out Rotor	4x50ml	5000 rpm	4650xg
CX1010	Swing-out Rotor	8x50ml	4000 rpm	2980xg
CX1011	Swing-out Rotor	8x100ml	4000 rpm	2980xg
CX1012	Swing-out Rotor	24x15ml	4000 rpm	2980xg
CX1013	Swing-out Rotor	32x15ml	4000 rpm	2980xg
CX1014	Swing-out Rotor	4x250 ml (with windshield)	5000 rpm	5200xg
CX1015	Swing-out Rotor – Adapter	4x50ml	5000 rpm	5200xg
CX1016	Swing-out Rotor – Adapter	8x50ml (round bottom)	5000 rpm	5200xg
CX1017	Swing-out Rotor – Adapter	4x100ml	5000 rpm	5200xg
CX1018	Swing-out Rotor – Adapter	36x10ml	5000 rpm	5200xg
CX1019	Swing-out Rotor – Adapter	40x2-7ml blood collection tube	5000 rpm	5200xg
CX1020	Swing-out Rotor	48x2-7 ml blood collection tube	4000 rpm	3100xg
CX1021	Swing-out Rotor	64x2-7 ml blood collection tube	4000 rpm	3100xg
CX1022	Swing-out Rotor	6x96 well microplate	4000 rpm	1970xg
CX1023	Swing-out Rotor	4x500 ml (round cup)	4000 rpm	3400xg

CX1024	Swing-out Rotor – Adapter	4x250 ml	4000 rpm	3400xg
CX1025	Swing-out Rotor – Adapter	12x50 ml	4000 rpm	3400xg
CX1026	Swing-out Rotor – Adapter	36x15 ml	4000 rpm	3400xg
CX1027	Swing-out Rotor – Adapter	76x2-7 ml blood collection tube	4000 rpm	3400xg
CX1028	Swing-out Bucket Rotor	16x50 ml	4000 rpm	3400xg
CX1029	Swing-out Bucket Rotor	40x15 ml	4000 rpm	3400xg
CX1030	Swing-out Bucket Rotor	100x1.5 ml	4000 rpm	3400xg
CX1031	Swing-out Bucket Rotor	80x10 ml blood collection tube	4000 rpm	3400xg
CX1032	Swing-out Bucket Rotor	112x2-7 ml blood collection tube	4000 rpm	3400xg
CX1033	Swing-out Bucket Rotor	96x2-7 ml blood collection tube	4000 rpm	3400xg
CX1034	Swing-out Bucket Rotor	148x5 ml Radio-immunity tube	4000 rpm	3400xg
CX1035	Swing-out Rotor	8x96 well microplate	4000 rpm	3400xg
CX1036	Swing-out Rotor	4x750 ml	4000 rpm	3500xg
CX1037	Swing-out Rotor – Adapter	8x100 ml	4000 rpm	3500xg
CX1038	Swing-out Rotor – Adapter	16x50 ml	4000 rpm	3500xg
CX1039	Swing-out Rotor – Adapter	40x15 ml	4000 rpm	3500xg
CX1040	Swing-out Rotor – Adapter	96x2-7ml blood collection tube	4000 rpm	3500xg
CX1041	Swing-out Rotor – Adapter	148x5 ml Radio-immunity tube	4000 rpm	3500xg
CX1042	Swing-out Rotor	6x250 ml	4000 rpm	3580xg
CX1043	Swing-out Rotor – Adapter	6x100 ml	4000 rpm	3580xg
CX1044	Swing-out Rotor – Adapter	12x50 ml (round bottom)	4000 rpm	3580xg
CX1045	Swing-out Rotor – Adapter	6x50 ml	4000 rpm	3580xg
CX1046	Swing-out Rotor – Adapter	24x15 ml	4000 rpm	3580xg
CX1047	Swing-out Rotor – Adapter	42x10 ml	4000 rpm	3580xg
CX1048	Swing-out Rotor – Adapter	60x2-7 ml blood collection tube	4000 rpm	3580xg
CX1049	Swing-out Rotor	4x800 ml	4000 rpm	3580xg
CX1050	Swing-out Bucket Rotor	140x2-7 ml blood collection tube	4000 rpm	3580xg
CX1051	Swing-out Bucket Rotor	28x50 ml (conical bottom)	4000 rpm	3580xg
CX1052	Swing-out Bucket Rotor	56x15 ml	4000 rpm	3580xg
CX1053	Swing-out Rotor	12x15 ml	6000 rpm	5120xg

## CF211 FLOOR TYPE REFRIGERATED CENTRIFUGE

Automatic Blood Collection Tube Decapping at the end of the process, prevent user from being infected by pathogenic bacteria.

It can spin different capacities blood collection tubes from 2 to 7ml

Real-time rotation speed and time are displayed over time on LCD display

Brushless DC motor

Inner chamber material: Stainless Steel

Electronic door interlock

Memory of 12 programs

19 levels of acceleration and 19 levels of deceleration

CFC-free refrigerants system (TECUMSEH EUROPE COMPRESSOR)

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



## SPECIFICATIONS

Model	CF211
Maximum Speed RPM	5000
Maximum RCF	5200xg
Maximum Capacity	4x250 ml
Speed Accuracy	± 10 rpm
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Timer Range	0~99 h 59 min
Motor	Variable Frequency Motor
Noise	≤ 60 dB(A)
Dimension (LxWxH)	650x550x840 mm
Net Weight	165 kg
Power	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Capacity	Max. Speed	Max. RCF
CX1054	Swing-out Rotor	4x250 ml	5000 rpm	5200xg
CX1055	Swing-out Rotor	80x2-7 ml blood collection tube	4000 rpm	3400xg
CX1056	Swing-out Rotor	140x2-7 ml blood collection tube	4000 rpm	3580xg

## CF212 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

3-layer steel jacket ensures the safety of the user and machine



## SPECIFICATIONS

Model	CF212
Maximum Speed RPM	16000

Maximum RCF	27520xg
Maximum Capacity	6x500 ml
Speed Accuracy	± 10 rpm
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Timer Range	0~99 h 59 min
Motor	Variable Frequency Motor
Noise	≤ 65 dB(A)
Dimension (LxWxH)	850x730x930 mm
Net Weight	260 kg
Power	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Capacity	Max. Speed	Max. RCF
CX1057	Fixed-Angle Rotor	6x50 ml	16000 rpm	27520xg
CX1058	Fixed-Angle Rotor	24x1.5 ml	16000 rpm	25520xg
CX1059	Fixed-Angle Rotor	16x10 ml	16000 rpm	27500xg
CX1060	Fixed-Angle Rotor	6x100 ml	14000 rpm	23600xg
CX1061	Fixed-Angle Rotor	8x50 ml	14000 rpm	23270xg
CX1062	Fixed-Angle Rotor	6x300 ml	10000 rpm	16750xg
CX1063	Fixed-Angle Rotor	6x500 ml	8000 rpm	11860xg
CX1064	Swing-out Rotor	4x750 ml	4000 rpm	3500xg

## CF21 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	CF213	CF214
Maximum Speed RPM	18000	22000

Maximum RCF	22500xg	34700xg
Maximum Capacity	4x250 ml	4x750 ml
Speed Accuracy	± 10 rpm	
Temperature Range	-20°C to 40°C	
Temperature Accuracy	± 1°C	
Timer Range	0~99 h 59 min	
Motor	Variable Frequency Motor	
Noise	≤ 60 dB(A)	
Dimension (LxWxH)	650x550x840 mm	
Net Weight	160 kg	
Power	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz	

## OPTIONAL ACCESSORIES

Accessory Code	Name	Capacity	Max. Speed	Max. RCF	For Models
CX1065	Fixed-Angle Rotor	12x1.5/2.0 ml (with adapters for 0.2/0.5ml tube)	18000 rpm	22500xg	CF213
CX1066	Fixed-Angle Rotor	12x5 ml	16000 rpm	20790xg	CF213
CX1067	Fixed-Angle Rotor	24x1.5/2.0 ml (with adapters for 0.2/0.5ml tube)	15000 rpm	21800xg	CF213
CX1068	Fixed-Angle Rotor	12x10 ml	14000 rpm	18110xg	CF213
CX1069	Fixed-Angle Rotor	6x50 ml	12000 rpm	15970xg	CF213
CX1070	Fixed-Angle Rotor	4x100 ml	10000 rpm	10640xg	CF213
CX1071	Fixed-Angle Rotor	8x50 ml	10000 rpm	10640xg	CF213
CX1072	Fixed-Angle Rotor	6x10 ml	16000 rpm	19070xg	CF213
CX1073	Fixed-Angle Rotor	6x15 ml	12500 rpm	15580xg	CF213
CX1074	Swing-out Rotor	6x96 well microplate	4000 rpm	1970xg	CF213
CX1075	Swing-out Rotor	4x250 ml	4500 rpm	3720xg	CF213
CX1076	Fixed-Angle Rotor	16x10 ml	22000 rpm	50685xg	CF214
CX1077	Fixed-Angle Rotor	24x1.5/2.0 ml	21000 rpm	43960xg	CF214
CX1078	Fixed-Angle Rotor	6x50 ml	20000 rpm	44800xg	CF214
CX1079	Fixed-Angle Rotor	8x50 ml	18000 rpm	38460xg	CF214
CX1080	Fixed-Angle Rotor	6x100 ml	15000 rpm	27090xg	CF214
CX1081	Fixed-Angle Rotor	8 x100 ml	12000 rpm	19830xg	CF214
CX1082	Fixed-Angle Rotor	4x300 ml	14000 rpm	28150xg	CF214
CX1083	Fixed-Angle Rotor	6x300 ml	12000 rpm	24110xg	CF214
CX1084	Fixed-Angle Rotor	6x500 ml	10000 rpm	18590xg	CF214
CX1085	Swing-out Rotor	6x96 well microplate	4000 rpm	2340xg	CF214
CX1086	Swing-out Rotor	4x50 ml	10000 rpm	16200xg	CF214
CX1087	Swing-out Rotor	4x30 ml	13000 rpm	23800xg	CF214
CX1088	Swing-out Rotor	4x4x5 ml	12000 rpm	11900xg	CF214



CF213



CF214



# CF215 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



## SPECIFICATIONS

Model	CF215
Maximum Speed RPM	25000
Maximum RCF	64800xg
Maximum Capacity	4x1000 ml
Speed Accuracy	± 10 rpm
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Timer Range	0~99 h 59 min
Motor	Variable Frequency Motor
Noise	≤ 65 dB(A)
Dimension (LxWxH)	850x730x930 mm
Net Weight	280 kg
Power	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Capacity	Max. Speed	Max. RCF
CX1089	Fixed-Angle Rotor	24x1.5/2.0 ml	25000 rpm	64800xg
CX1090	Fixed-Angle Rotor	16x10 ml	23000 rpm	56880xg
CX1091	Fixed-Angle Rotor	8x50 ml	21000 rpm	52360xg
CX1092	Fixed-Angle Rotor	6x300 ml	12000 rpm	24110xg
CX1093	Fixed-Angle Rotor	6 x500 ml	10000 rpm	18590xg
CX1094	Fixed-Angle Rotor	4x1 000 ml	8000 rpm	12040xg
CX1095	Fixed-Angle Rotor	12x50 ml	14000 rpm	30070xg
CX1096	Swing-out Rotor	4x750 ml	5000 rpm	5600xg
CX1097	Swing-out Rotor	6x50 ml	10000 rpm	15680xg

# CM311 BLOOD BANK REFRIGERATED CENTRIFUGE

Brushless DC motor

Servomotor was adopt for lid open & lid lock, emergency lid release.

LED display

Microprocessor controller

Inner chamber material: Stainless Steel

Electronic door interlock

Imbalance detection system

Memory of 10 programs

10 levels of acceleration and 10 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



## SPECIFICATIONS

Model	CM311
Maximum Speed RPM	7000
Maximum RCF	11900xg
Maximum Capacity	6x2400 ml
Speed Accuracy	± 20 rpm
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Timer Range	0~99 h 59 min
Motor	Variable Frequency Motor
Noise	≤ 65 dB(A)
Dimension (LxWxH)	900x850x1000 ml
Net Weight	560 kg
Power	AC 380V, 50/60HZ, 35A

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity	Max. Speed	Max. RCF
CX1126	Swing-out Bucket Rotor	Can spin various blood bag systems, such as 12x 550mL quin / quad / triple blood bags with filter, or can spin 12x750ml blood bag, etc, or spin 6x2000 ml bottle	6x2400 ml	4000 rpm	5600xg

## ACCESSORIES

				
CX1001, CX1003, CX1023, CX1094	CX1002, CX1063, CX1084, CX1093	CX1005, CX1065	CX1006, CX1066	CX1007, CX1067, CX1077, CX1089

				
CX1008, CX1017, CX1070	CX1009, CX1015, CX1086	CX1010, CX1016, CX1061, CX1071, CX1079, CX1091	CX1011, CX1037, CX1081	CX1012, CX1046
				
CX1013	CX1014, CX1024, CX1054, CX1075	CX1020	CX1032	CX1043, CX1060, CX1072, CX1080
				
CX1045, CX1057, CX1069, CX1078, CX1097	CX1059, CX1076, CX1090	CX1068	CX1085	CX1087
				
CX1126				

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