

FLOOR TYPE CENTRIFUGE



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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 advanced 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.

Also known as Floor Standing Centrifuge, Laboratory Floor Type Centrifuge, Floor Type Refrigerated Centrifuge.

CF11 SERIES 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



FEATURES

	CF111	CF112	CF113
Brushless DC motor	•		•
Imbalance protection	•		•
Faults are diagnosed automatically	•		
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		•	
Operating parameters can be modified during the operation			•

SPECIFICATIONS

Model	CF111	CF112	CF113
Maximum Speed RPM	4000	5000	6000
Maximum RCF	3580xg	5200xg	
Maximum Capacity	4x1000 ml	4x250 ml	4x750 ml
Speed Accuracy	± 10 rpm		
Timer Range	0~99 h 59 min		

Motor	Variable Frequency Motor	
Noise	≤ 60 dB(A)	
Dimension (LxWxH)	700x700x850 mm	650x550x840 mm
Net Weight	130 kg	135 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
CX1001	Swing-out Rotor	4x1000 ml	3600 rpm	3280xg	CF111
CX1002	Swing-out Rotor	6x500 ml	3600 rpm	3030xg	CF111
CX1003	Swing-out Rotor	4x500 ml	4000 rpm	3400xg	CF111
CX1004	Swing-out Rotor	6x250 ml	4000 rpm	3580xg	CF111
CX1005	Swing-out Rotor	12x1.5/2.0 ml (with adapters for 0.2/0.5ml tube)	16000 rpm	17800xg	CF112
CX1006	Swing-out Rotor	12x5 ml	15000 rpm	18270xg	CF112
CX1007	Swing-out Rotor	24x1.5/2.0 ml (with adapters for 0.2/0.5ml tube)	13000 rpm	16850xg	CF112
CX1008	Swing-out Rotor	4x100ml	5000 rpm	4650xg	CF113
CX1009	Swing-out Rotor	4x50ml	5000 rpm	4650xg	CF113
CX1010	Swing-out Rotor	8x50ml	4000 rpm	2980xg	CF113
CX1011	Swing-out Rotor	8x100ml	4000 rpm	2980xg	CF113
CX1012	Swing-out Rotor	24x15ml	4000 rpm	2980xg	CF113
CX1013	Swing-out Rotor	32x15ml	4000 rpm	2980xg	CF113
CX1014	Swing-out Rotor	4x250 ml (with windshield)	5000 rpm	5200xg	CF113
CX1015	Swing-out Rotor – Adapter	4x50ml	5000 rpm	5200xg	CF113
CX1016	Swing-out Rotor – Adapter	8x50ml (round bottom)	5000 rpm	5200xg	CF113
CX1017	Swing-out Rotor – Adapter	4x100ml	5000 rpm	5200xg	CF113
CX1018	Swing-out Rotor – Adapter	36x10ml	5000 rpm	5200xg	CF113
CX1019	Swing-out Rotor – Adapter	40x2-7ml blood collection tube	5000 rpm	5200xg	CF113
CX1020	Swing-out Rotor	48x2-7 ml blood collection tube	4000 rpm	3100xg	CF113
CX1021	Swing-out Rotor	64x2-7 ml blood collection tube	4000 rpm	3100xg	CF113
CX1022	Swing-out Rotor	6x96 well microplate	4000 rpm	1970xg	CF113
CX1023	Swing-out Rotor	4x500 ml (round cup)	4000 rpm	3400xg	CF113
CX1024	Swing-out Rotor – Adapter	4x250 ml	4000 rpm	3400xg	CF113
CX1025	Swing-out Rotor – Adapter	12x50 ml	4000 rpm	3400xg	CF113
CX1026	Swing-out Rotor – Adapter	36x15 ml	4000 rpm	3400xg	CF113
CX1027	Swing-out Rotor – Adapter	76x2-7 ml blood collection tube	4000 rpm	3400xg	CF113
CX1028	Swing-out Bucket Rotor	16x50 ml	4000 rpm	3400xg	CF113
CX1029	Swing-out Bucket Rotor	40x15 ml	4000 rpm	3400xg	CF113
CX1030	Swing-out Bucket Rotor	100x1.5 ml	4000 rpm	3400xg	CF113
CX1031	Swing-out Bucket Rotor	80x10 ml blood collection tube	4000 rpm	3400xg	CF113
CX1032	Swing-out Bucket Rotor	112x2-7 ml blood collection tube	4000 rpm	3400xg	CF113
CX1033	Swing-out Bucket Rotor	96x2-7 ml blood collection tube	4000 rpm	3400xg	CF113
CX1034	Swing-out Bucket Rotor	148x5 ml Radio-immunity tube	4000 rpm	3400xg	CF113
CX1035	Swing-out Rotor	8x96 well microplate	4000 rpm	3400xg	CF113

CX1036	Swing-out Rotor	4x750 ml	4000 rpm	3500xg	CF113
CX1037	Swing-out Rotor – Adapter	8x100 ml	4000 rpm	3500xg	CF113
CX1038	Swing-out Rotor – Adapter	16x50 ml	4000 rpm	3500xg	CF113
CX1039	Swing-out Rotor – Adapter	40x15 ml	4000 rpm	3500xg	CF113
CX1040	Swing-out Rotor – Adapter	96x2-7ml blood collection tube	4000 rpm	3500xg	CF113
CX1041	Swing-out Rotor – Adapter	148x5 ml Radio-immunity tube	4000 rpm	3500xg	CF113
CX1042	Swing-out Rotor	6x250 ml	4000 rpm	3580xg	CF113
CX1043	Swing-out Rotor – Adapter	6x100 ml	4000 rpm	3580xg	CF113
CX1044	Swing-out Rotor – Adapter	12x50 ml (round bottom)	4000 rpm	3580xg	CF113
CX1045	Swing-out Rotor – Adapter	6x50 ml	4000 rpm	3580xg	CF113
CX1046	Swing-out Rotor – Adapter	24x15 ml	4000 rpm	3580xg	CF113
CX1047	Swing-out Rotor – Adapter	42x10 ml	4000 rpm	3580xg	CF113
CX1048	Swing-out Rotor – Adapter	60x2-7 ml blood collection tube	4000 rpm	3580xg	CF113
CX1049	Swing-out Rotor	4x800 ml	4000 rpm	3580xg	CF113
CX1050	Swing-out Bucket Rotor	140x2-7 ml blood collection tube	4000 rpm	3580xg	CF113
CX1051	Swing-out Bucket Rotor	28x50 ml (conical bottom)	4000 rpm	3580xg	CF113
CX1052	Swing-out Bucket Rotor	56x15 ml	4000 rpm	3580xg	CF113
CX1053	Swing-out Rotor	12x15 ml	6000 rpm	5120xg	CF113

CF21 SERIES FLOOR TYPE REFRIGERATED CENTRIFUGE

- Brushless DC motor
- Inner chamber material: Stainless Steel
- Electronic door interlock
- Memory of 12 programs
- CFC-free refrigerants system (TECUMSEH EUROPE COMPRESSOR)
- Precise temperature control with double loop control design is highly efficient, allows fast heating and cooling



FEATURES

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

19 levels of acceleration and 19 levels of deceleration

LCD display

Microprocessor controller

Automatic rotor identification and Imbalance protection

Operating parameters can be modified during the operation

40 levels of acceleration and 40 levels of deceleration

Faults are diagnosed automatically

Over speed, Over temperature protection

CF211 CF212 CF213 CF214 CF215

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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	CF211	CF212	CF213
Maximum Speed RPM	5000	16000	18000
Maximum RCF	5200xg	27520xg	22500xg
Maximum Capacity	4x250 ml	6x500 ml	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)	≤ 65 dB(A)	≤ 60 dB(A)
Dimension (LxWxH)	650x550x840 mm	850x730x930 mm	650x550x840 mm
Net Weight	165 kg	260 kg	160 kg
Power	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz		

Model	CF214	CF215
Maximum Speed RPM	22000	25000
Maximum RCF	34700xg	64800xg
Maximum Capacity	4x750 ml	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	≤ 60 dB(A)	≤ 65 dB(A)
Dimension (LxWxH)	650x550x840 mm	850x730x930 mm
Net Weight	160 kg	280 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
CX1054	Swing-out Rotor	4x250 ml	5000 rpm	5200xg	CF211
CX1055	Swing-out Rotor	80x2-7 ml blood collection tube	4000 rpm	3400xg	CF211
CX1056	Swing-out Rotor	140x2-7 ml blood collection tube	4000 rpm	3580xg	CF211
CX1057	Fixed-Angle Rotor	6x50 ml	16000 rpm	27520xg	CF212
CX1058	Fixed-Angle Rotor	24x1.5 ml	16000 rpm	25520xg	CF212
CX1059	Fixed-Angle Rotor	16x10 ml	16000 rpm	27500xg	CF212
CX1060	Fixed-Angle Rotor	6x100 ml	14000 rpm	23600xg	CF212
CX1061	Fixed-Angle Rotor	8x50 ml	14000 rpm	23270xg	CF212
CX1062	Fixed-Angle Rotor	6x300 ml	10000 rpm	16750xg	CF212

CX1063	Fixed-Angle Rotor	6x500 ml	8000 rpm	11860xg	CF212
CX1064	Swing-out Rotor	4x750 ml	4000 rpm	3500xg	CF212
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
CX1089	Fixed-Angle Rotor	24x1.5/2.0 ml	25000 rpm	64800xg	CF215
CX1090	Fixed-Angle Rotor	16x10 ml	23000 rpm	56880xg	CF215
CX1091	Fixed-Angle Rotor	8x50 ml	21000 rpm	52360xg	CF215
CX1092	Fixed-Angle Rotor	6x300 ml	12000 rpm	24110xg	CF215
CX1093	Fixed-Angle Rotor	6 x500 ml	10000 rpm	18590xg	CF215
CX1094	Fixed-Angle Rotor	4x1 000 ml	8000 rpm	12040xg	CF215
CX1095	Fixed-Angle Rotor	12x50 ml	14000 rpm	30070xg	CF215
CX1096	Swing-out Rotor	4x750 ml	5000 rpm	5600xg	CF215
CX1097	Swing-out Rotor	6x50 ml	10000 rpm	15680xg	CF215

CM31 SERIES 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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