



## VELOSPIN 17R

Multi-purpose refrigerated high-speed centrifuge with both powerful power and high-volume sample handling capability



### STANDARD SPECIFICATION

Description	VELOSPIN 17R	
Max. RPM	17,000RPM(Angle Rotor)	4,000RPM(Swing Rotor)
Max. RCF	32,278 xg	3,265 xg
Max. Capacity	500ml x 6	250ml x 4
Accel / Decel phase	0 ~ 9 ( 10set)	
Set Temp.	-10°C ~ +40°C ( 1°C increments)	
Ref. System	Non-CFC	
Noise Level	≤60dB	
Set Time	99 hour 59 min 59sec or continuous	
Time Count	At set Speed or from starting	
Program	100 memory	
Rotor ID	Automatic Recognition	
Display	4.3" LCD Touch Screen	
Display message on screen	RPM, RCF, Time, Door open/close, Temp, ACC/DEC, Rotor ID, Program, Comp. On/Off, Key Lock	
RPM Range	400 to 17,000 rpm	
Available Rotor Quantity	12	
Power Supply	230V ± 10%, 50-60Hz, 1Phase	
Power Consumption	2.8KW	
Dimension(W x D x H)	564 x 673 x 866 mm (H: 1475 mm with open lid)	
Weight (without rotor)	168Kg	
Cat. No.	CS-C-H17R-MB	

**MAIN FEATURE**



**Accurate and stable temperature maintenance function**

Through efficient refrigeration control technology and internal design that minimizes the frictional heat of the rotor, it guarantees safe testing of temperature-sensitive samples.



**CRYSTE FLIP Touch controller**

- User-friendly 4.3" full color touch LCD controller helps to set the parameter at modern way. All set points are visible at a glance and setting is easy.
- Touch pad lock doesn't allow misuse during operation.



**Biocontainment Accessory Package**

- Option for handling biohazardous materials
- Biocontainment sealing buckets are certified by TUV NORD in compliance with IEC61010-2-020:2016 Annex AA.



Wide Range of Application



Ideal Security



Safety in High Speed Operation





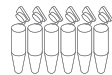












Energy Saving











Silent Operation

**AVAILABLE ANGLE ROTORS**

Rotor	A480.2H		A301.5H			A481.5H		
								
	Fixed Angle Rotor : ∠45° 48 x 0.2ml Radius(mm) : 83.5		Fixed Angle Rotor : ∠45° 30 x 1.5ml Radius(mm) : 94.8			Fixed Angle Rotor : ∠45° 48 x 1.5ml Radius(mm) : 94.8		
Tube								
Volume (ml)	0.2	0.2ml Strips	0.2	0.5	1.5/2.0	0.2	0.5	1.5/2.0
Adaptor / tube rack								
Item	-	-	F1.5A-0.2	F1.5A-0.5	-	F1.5A-0.2	F1.5A-0.5	-
Number per rack / rotor	48	6	30	30	30	48	48	48
Adaptor bore (mm)	6.5	6.5	6.5	8	11.1	6.5	8	11.1
Max. height for use (mm)	-	-	44	50	61	In 51 Out 44	In 62 Out 54	In 70 Out 61
RPM	12,000	12,000	17,000	17,000	17,000	13,000	13,000	13,000
Radius (mm)	83.5	83.5	80.3	86.7	94.8	In 70.3 Out 80.3	In 76.7 Out 86.7	In 84.8 Out 94.8
RCF	13,443	13,443	25,945	28,013	30,630	In 13,283 Out 15,172	In 14,492 Out 16,381	In 16,022 Out 17,912

## AVAILABLE ANGLE ROTORS















Rotor	A1215H		A1215HC		A650H		A650HC	
								
	Fixed Angle Rotor : $\angle 28^\circ$ 12 x 15ml Radius(mm) : 97.1		Fixed Angle Rotor : $\angle 25^\circ$ 12 x 15ml Conical Radius(mm) : 100.9		Fixed Angle Rotor : $\angle 30^\circ$ 6 x 50ml Radius(mm) : 99.9		Fixed Angle Rotor : $\angle 25^\circ$ 6 x 50ml Conical Radius(mm) : 95.7	
Tube								
Volume (ml)	15(16)		15 Conical		15 Conical		50	
Adaptor / tube rack								
Item	-		-		F50A-15C		-	
Number per rack / rotor	12		12		6		6	
Adaptor bore (mm)	18.0		17.0		17.0		29.0	
Max. height for use (mm)	117		129		122		120	
RPM	17,000		15,000		17,000		17,000	
Radius (mm)	97.1		100.9		94.3		99.9	
RCF	31,373		25,381		30,469		32,278	
					F50CA-15C		-	
Number per rack / rotor					6		6	
Adaptor bore (mm)					17.0		30.0	
Max. height for use (mm)					124		121	
RPM					15,000		15,000	
Radius (mm)					91.3		95.7	
RCF					22,967		24,073	

Rotor	A850H		A685H			
						
	Fixed Angle Rotor : $\angle 30^\circ$ 8 x 50ml Radius(mm) : 103.4		Fixed Angle Rotor : $\angle 25^\circ$ 6 x 85ml Radius(mm) : 99.8			
Tube						
Volume (ml)	15 Conical	50	15 Conical	50 Conical	50	85
Adaptor / tube rack						
Item	F50A-15C	-	F85A-15C	F85A-50C	F85A-50	-
Number per rack / rotor	8	8	6	6	6	6
Adaptor bore (mm)	17.0	29.0	17.0	30.0	29.0	39
Max. height for use (mm)	123	120	123	122	118	118
RPM	15,000	15,000	15,000	15,000	15,000	15,000
Radius (mm)	97.8	103.4	90.7	94.8	95.3	99.8
RCF	24,602	26,010	22,816	23,847	23,973	25,105

### AVAILABLE ANGLE ROTORS

Rotor	A6250H	A6500H
Item	 <p>Fixed Angle Rotor : <math>\angle 25^\circ</math> 6 x 250ml Radius(mm) : 138.4</p>	 <p>Fixed Angle Rotor : <math>\angle 25^\circ</math> 6 x 500ml Radius(mm) : 158</p>
Tube		
Volume (ml)	250	500
Adaptor / tube rack		
Item	-	-
Number per rack / rotor	6	6
Adaptor bore (mm)	62.0	70.0
Max. height for use (mm)	126	169
RPM	10,000	8,000
Radius (mm)	138.4	158
RCF	15,473	11,305

### AVAILABLE SWING ROTORS

	S4250HE	EB250	EBS250 <sup>1)</sup>							BW250		
												
		S250ET-5-12	S250ET-10-12	S250ET-15-12	S250ET-15C-9	S250ET-50-4	S250ET-50C-3	S250ET-85-2	S250EA-250			
												
Swing Out Rotor Max. RPM : 4,000 Radius(mm) : 182.5 Max. RCF : 3,265												
Volume (ml)		3	5	10	15	15 Conical	50	50 Conical	85	250	MTP	DWP
Number per rack / rotor		12/48	12/48	12/48	9/36	4/16	3/12	2/8	1/4	4/16	1/4	
Adaptor bore (mm)		13.2	16	17.2	17	29.5	29.5	38.5	62.5	-	-	
Max. height for use (mm)		124	124	124	127	124	127	124	138	-	-	
RPM		4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Radius (mm)		177.5	177.5	177.5	180.7	177.5	180.5	177.5	180.5	153.5	153.5	
RCF		3,175	3,175	3,175	3,232	3,175	3,229	3,175	3,229	2,746	2,746	

• 1) EBS 250 : certified for dynamic microbiological test(En61010-020) by TUV NORD

## ORDER INFORMATION

ITEM	DESCRIPTIONS	Cat. No.
<b>Main Body</b>	VELOSPIN 17R 230V±10%, 50-60Hz, 1Phase, Eu Plug, 546x673x866mm, 168Kg	CS-C-H17R-MB
	A480.2H 0.2ml x 48 fixed angle rotor for PCR tubes (x 6 PCR strips) (Max 12,000RPM)	CS-C-H10010
	A301.5H 1.5-2.0ml x 30 fixed angle rotor (Max 22,000RPM in VELOSPIN 22R, 17,000RPM in VELOSPIN 17R)	CS-C-H10020
	A481.5H 1.5-2.0ml x 48 fixed angle rotor (Max 13,000RPM)	CS-C-H10030
	A1215H 15ml x 12 fixed angle rotor (Max 20,000RPM in VELOSPIN 22R, 17,000RPM in VELOSPIN 17R)	CS-C-H10040
	A1215HC 15ml x 12 fixed angle rotor for conical tubes ( $\leq$ 20,000RPM in V22R, 15,000RPM in V17R)	CS-C-H10051
<b>Angle Rotor</b>	A650H 50ml x 6 fixed angle rotor (Max 22,000RPM in VELOSPIN 22R, 17,000RPM in VELOSPIN 17R)	CS-C-H10060
	A650HC 50ml x 6 fixed angle rotor for conical tubes ( $\leq$ 17,000RPM in V22R, 15,000RPM in V17R)	CS-C-H10071
	A850H 50ml x 8 fixed angle rotor (Max 20,000RPM in VELOSPIN 22R, 15,000RPM in VELOSPIN 17R)	CS-C-H10080
	A685H 85ml x 6 fixed angle rotor (Max 20,000RPM in VELOSPIN 22R, 15,000RPM in VELOSPIN 17R)	CS-C-H10090
	A6250H 250ml x 6 fixed angle rotor (Max 12,000RPM in VELOSPIN 22R, 10,000RPM in VELOSPIN 17R)	CS-C-H10100
	A6500H 500ml x 6 fixed angle rotor (Max 10,000RPM in VELOSPIN 22R, 8,000RPM in VELOSPIN 17R)	CS-C-H10110
<b>Swing Rotor</b>	S4250HE 250ml x 4-wing rotor for rectangular/micro plate buckets (Max. 4,000RPM)	CS-C-H20010

