VARISPIN 12R
MULTI CENTRIFUGE

보다 많은 양의 시료 처리를 위한
다목적 냉장 원심분리기

RPM 12,000 | RCF 16,647 xg | REFRIGERATED | FAST COOL | ≤60dB

DISPLAY | 100 PROGRAMS | IMBALANCE | 10 STEP ACC/DEC | ROTOR ID

STANDARD SPECIFICATION

CE

Max. RPM	12,000RPM(Angle Rotor)	4,000RPM(Swing Rotor)
Max. RCF	16,647 xg	3,461 xg
Max. Capacity	85ml x 6	250ml x 4
Accel / Decel phase	0 ~ 9 (10set)	
Set Temp.	-10°C ~ +40°C (1°Cincrements)	
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	
RPM Range	400 to 12,000 rpm	
Available Rotor Quantity	11	
Power Supply	230V ± 10%, 50-60Hz, 1Phase	
Power Consumption	2,000W	
Dimension(W x D x H)	681 x 655.5 x 372 (H:895mm with open lid)	
Weight (without rotor)	86kg	

MAIN FEATURE

넓은 사용 범위

다양한 목적 또는 여러 사용자의 사용을 위한
다양한 로터 옵션을 지니고 있습니다.

온도에 민감한 시료 보호를 위한 냉장기능과 Fast Cool 기능

효율적인 냉장제어와 로터의 마찰열을 최소화하는
내부설계를 통하여 온도에 민감한 시료를 안전하게
취급할 수 있습니다.

최대속도에서 4°C 유지를 보장합니다.

높은 시인성

사용자 친화적인 4.3”Full 컬러 터치식 LCD 컨트롤러를
적용하였습니다. 한번에 모든 설정값을 확인할 수 있고,
간단한 방법으로 항목 설정이 가능합니다.

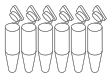
튜브 사용 범위

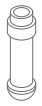
0.2ml부터 250ml 까지 다양한 사이즈의 튜브 사용이 가능합니다.

ORDER INFORMATION

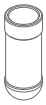
	ITEM	DESCRIPTIONS	ORDER CODE
Main Body	VARISPIN 12R Set	VARISPIN 12R, refrigerated, with rotor S4250TE, including bucket EB250 (4EA), and tube rack S250ET-50C-3 (2EA), S250ET-15C-9 (2EA), 230V/50~60Hz	V12R-SET
	VARISPIN 12R	VARISPIN 12R, refrigerated, without rotor, 230V/50~60Hz	V12R-MB
Angle Rotor	A480.2T	0.2ml x 48 fixed angle rotor for PCR tubes(x6 PCR strips) (Max 12,000RPM)	V12R-AR1
	A301.5T	1.5/2.0ml x 30 fixed angle rotor (Max 12,000RPM)	V12R-AR2
	A481.5T	1.5/2.0ml x 48 fixed angle rotor (Max 12,000RPM)	V12R-AR3
	A1215T	15ml x 12 fixed angle rotor (Max 12,000RPM)	V12R-AR4
	A1215TC	15ml x 12 fixed angle rotor for conical tubes (Max 12,000RPM)	V12R-AR5
	A650T	50ml x 6 fixed angle rotor (Max 12,000RPM)	V12R-AR6
	A650TC	50ml x 6 fixed angle rotor for conical tubes (Max 12,000RPM)	V12R-AR7
	A850T	50ml x 8 fixed angle rotor (Max 12,000RPM)	V12R-AR8
	A685T	85ml x 6 fixed angle rotor (Max 12,000RPM)	V12R-AR9
Swing Rotor	S4250TE	250ml x 4-wing swing rotor for rectangular/micro plate buckets (Max 4,000RPM)	V12R-SR1
	S4250T	250ml x 4-wing swing rotor for round buckets (Max 4,000RPM)	V12R-SR2

AVAILABLE ANGLE ROTORS

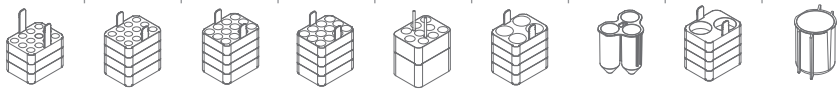
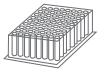
Rotor	Fixed Angle Rotor ∠45° 48 x 0.2ml Radius(mm) : 83.5		Fixed Angle Rotor ∠45° 30 x 1.5ml Radius(mm) : 94.8			Fixed Angle Rotor ∠45° 48 x 1.5ml Radius(mm) : 94.8		
Item	**A480.2T**		**A301.5T**			**A481.5T**		
Tube								
Volume (ml)	0.2	0.2ml Strips	0.2	0.5	1.5 / 2.0	0.2	0.5	1.5 / 2.0
Adaptor / 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	6.5	8	11
Max. height for use (mm)	-	-	44	52	61	In 51 Out 44	In 62 Out 54	In 70 Out 61
RPM	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
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	12,928	13,958	15,262	In 11,318 Out 12,928	In 12,348 Out 13,958	In 13,652 Out 15,262

Rotor	Fixed Angle Rotor ∠28° 12 x 15ml Radius(mm) : 97.1	Fixed Angle Rotor ∠25° 12 x 15ml Conical Radius(mm) : 100.9	Fixed Angle Rotor ∠30° 6 x 50ml Radius(mm) : 99.9		Fixed Angle Rotor ∠25° 6 x 50ml Conical Radius(mm) : 95.7	
Item	**A1215T**	**A1215TC**	**A650T**		**A650TC**	
Tube						
Volume (ml)	15(16)	15 Conical	15 Conical	50	15 Conical	50 Conical
Adaptor / tube rack						
Item			F50A-15C		F50CA-15C	
Number per rack / rotor	12	12	6	6	6	6
Adaptor bore (mm)	19	17	17	29.5	17	30
Max. height for use (mm)	117	129	122	120	124	121
RPM	12,000	12,000	12,000	12,000	12,000	12,000
Radius (mm)	97.1	100.9	94.3	99.9	91.3	95.7
RCF	15,632	16,244	15,182	16,083	14,699	15,407

AVAILABLE ANGLE ROTORS

Rotor	Fixed Angle Rotor ∠30° 8 x 50ml Radius(mm) : 103.4		Fixed Angle Rotor ∠25° 6 x 85ml Radius(mm) : 99.8			
Item	**A850T**		**A685T**			
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	29.5	17	30	29	39
Max. height for use (mm)	123	120	123	122	118	118
RPM	12,000	12,000	12,000	12,000	12,000	12,000
Radius (mm)	97.8	103.4	90.7	94.8	95.3	99.8
RCF	15,745	16,647	14,602	15,262	15,343	16,067

AVAILABLE SWING ROTORS

S4250TE	EB250										BW250
	S250ET-3-12	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											
Capacity (ml)	3	5	10	15	15 Conical	50	50 Conical	85	250	MTP	DWP
Number per rack / rotor	12/48	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	13.2	16	17.2	17	29.5	29.5	38.5	62.5	-	-
Max. height for use (mm)	124	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	177.5	180.7	177.5	180.5	177.5	180.5	153.5	153.5
RCF	3,175	3,175	3,175	3,175	3,232	3,175	3,229	3,175	3,229	2,746	2,746

S4250T	B250
Swing Out Rotor Max. RPM : 4,000 Radius(mm) : 193.5 Max RCF : 3,461	
Capacity (ml)	250
Number per rack / rotor	1/4
Adaptor bore (mm)	62
Max. height for use (mm)	150
RPM	4,000
Radius (mm)	193.5
RCF	3,461

CRYSTE MULTI CENTRIFUGE

Supporting you all the way

Suitable for a variety of applications in general research laboratory & Clinic

- High speed
- Treatment for large sample volumes
- Efficient refrigeration system
- Optimized chamber size for multiple rotor options

VARISPIN series have versatility through many options and accessories.