



-70 to +100°C(+180°C)

NAME	Silvery Prince series				
MODEL	SP(SSP)-73KT	SP(SSP)-74KT	SP(SSP)-75KT	SP(SSP)-77KT	SP(SSP)-78KT
POWER SUPPLY	AC 200V ±10% 3φ 50 / 60Hz				
ELB	30A	40A	40A	50A	60A
CONTROL SYSTEM	Balanced Temperature Control system (BTC system)				
OPERATING CONDITIONS	Ambient: +10 to +30° C, 20 to 80%RH				
PERFORMANCE					
Temp. range	-70 to +100° C(+180° C)				
Fluctuation	±0.3° C(-70 to +100° C), ±1.0° C(+100 to +180° C)				
Variation in space	2.0° C(-70 to +100° C), 4.0° C(+100 to +180° C)				
Temperature rise time	-70 to +100° C within 60 min. (-70 to +180° C within 90 min.) at refrigerator OFF				
Temperature fall time	+20 to -70° C within 90 min.				
Lowest temperature	-70° C				
CONFIGURATION					
Controller	KATO KT instrumentation				
Internal material	18Cr-8Ni stainless steel plate, grinding finished				
External material	18Cr stainless steel plate, line finished				
Insulating material	Glass wool / Silicone packing				
REFRIGERATING SYSTEM	Single condensing refrigerating system : Air cooling or Water cooling				
Refrigerator	Complete closed type compressor				
Out put	1.5 / 1.5 kW	2.2 / 2.2 kW	2.2 / 2.2 kW	2.2 / 2.2 kW	3.0 / 3.0 kW
Power ability changing	Multi step automatic switching system by micro computer control				
Cooling coil	Plate fin cooler : Corrosion prevention coating finishes				
DRY HEATER	stainless steel sheath heater				
BLOWER FAN	Sirocco fan				
ACCESSORIES	Observation window : W250×H350mm with Heating wire, Cable hole 30φ×1pc, Adjustable shelf ×2 sets, Halogen room lamp, Caster, Adjuster				
SAFETY UNITS	Earth leakage circuit breaker, Mixing motor overload relay, Overload and short circuit protector for SSR, Overload and short circuit protecting fuse for operating circuit, Phase reverse relay, Water pressure switch for water cooling type, Refrigerator overload relay, Alarm of temperature limit error, Overheat prevention unit, Refrigerator pressure switch				
OPTIONS	Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Time signal unit, Excessive cooling preventive unit, Tank with automatic pump-up function, See-through door				
INTERNAL CAPACITY (L)	175	288	441	800	1000
INTERNAL DIMENSIONS : W.H.D.mm	500×700×500	600×800×600	700×900×700	1000×1000×800	1000×1000×1000
EXTERNAL DIMENSIONS : W.H.D.mm	1110×1600×975	1260×1760×1075	1330×1860×1175	1730×2075×1275	1730×2075×1475
WEIGHT (kg)	400	450	530	700	760

- *The performance values are based on JTM K-07, IEC60068-3-5:2001, and no specimen inside the test area.
- *The rising and falling performances are given at an ambient temperature of +20° C, or with a cooling water temperature of +25° C.
- *The descriptions, inside the () in the tables, are for the +180° C specification SSP model.
- *The above specifications may be changed for any improvement of product without giving any preliminary notification.

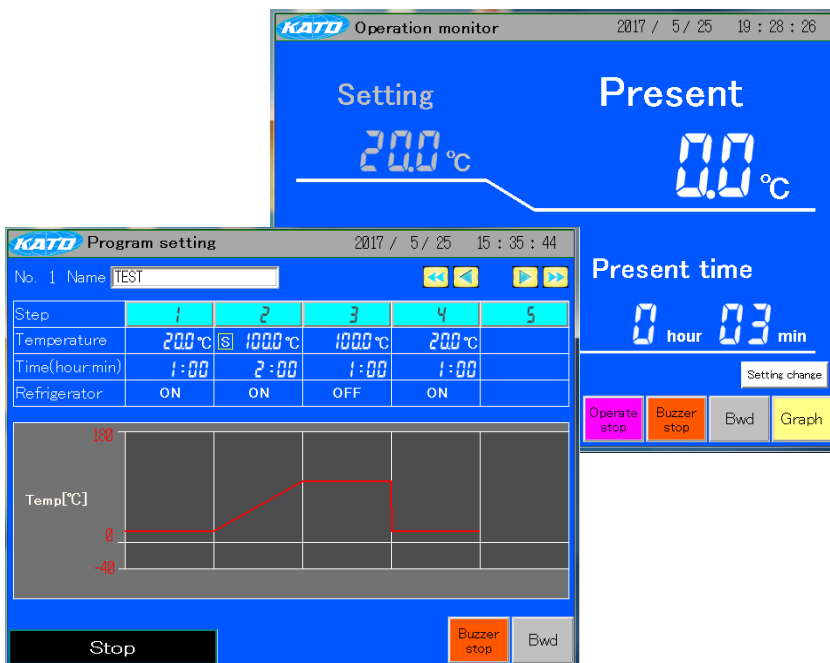




-40 to +100°C(+180°C)

NAME	Silvery Prince series				
MODEL	SP(SSP)-43KT	SP(SSP)-44KT	SP(SSP)-45KT	SP(SSP)-47KT	SP(SSP)-48KT
POWER SUPPLY	AC 200V ±10% 3φ 50 / 60Hz				
ELB	20A	20A	30A	40A	40A
CONTROL SYSTEM	Balanced Temperature Control system (BTC system)				
OPERATING CONDITIONS	Ambient: +10 to +30° C, 20 to 80%RH				
PERFORMANCE					
Temp. range	-40 to 100° C(180° C)				
Fluctuation	±0.3° C(-40 to +100° C), ±1.0° C(+100 to +180° C)				
Variation in space	2.0° C(-40 to +100° C), 4.0° C(+100 to +180° C)				
Temperature rise time	-40 to +100° C within 45 min. (-40 to +180° C within 80 min.) at refrigerator OFF				
Temperature fall time	+20 to -40° C within 60 min.				
Lowest temperature	-40° C				
CONFIGURATION					
Controller	KATO KT instrumentation				
Internal material	18Cr-8Ni stainless steel plate, grinding finished				
External material	18Cr stainless steel plate, line finished				
Insulating material	Glass wool / Silicone packing				
REFRIGERATING SYSTEM	Single condensing refrigerating system : Air cooling or Water cooling				
Refrigerator	Complete closed type compressor				
Out put	1.5 kW	1.5 kW	1.5 kW	2.2 kW	2.2 kW
Power ability changing	Multi step automatic switching system by micro computer control				
Cooling coil	Plate fin cooler : Corrosion prevention coating finishes				
DRY HEATER	stainless steel sheath heater				
BLOWER FAN	Sirocco fan				
ACCESSORIES	Observation window : W250×H350mm with Heating wire, Cable hole 30φ×1pc, Adjustable shelf ×2 sets, Halogen room lamp, Caster, Adjuster				
SAFETY UNITS	Earth leakage circuit breaker, Mixing motor overload relay, Overload and short circuit protector for SSR, Overload and short circuit protecting fuse for operating circuit, Phase reverse relay, Water pressure switch for water cooling type, Refrigerator overload relay, Alarm of temperature limit error, Overheat prevention unit, Refrigerator pressure switch				
OPTIONS	Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Time signal unit, Excessive cooling preventive unit, Tank with automatic pump-up function, See-through door				
INTERNAL CAPACITY (L)	175	288	441	800	1000
INTERNAL DIMENSIONS : W.H.D.mm	500×700×500	600×800×600	700×900×700	1000×1000×800	1000×1000×1000
EXTERNAL DIMENSIONS : W.H.D.mm	1020×1650×950	1120×1650×1050	1220×1750×1150	1535×1910×1250	1535×1910×1450
WEIGHT (kg)	310	370	400	600	650

*The performance values are based on JTM K-07, IEC60068-3-5:2001, and no specimen inside the test area.
 *The rising and falling performances are given at an ambient temperature of +20° C, or with a cooling water temperature of +25° C.
 *The descriptions, inside the () in the table, are for the +180° C specification SSP model.
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-25 to +100°C(+180°C)

NAME	Silvery Prince series				
MODEL	SP(SSP)-23KT	SP(SSP)-24KT	SP(SSP)-25KT	SP(SSP)-27KT	SP(SSP)-28KT
POWER SUPPLY	AC 200V ±10% 3φ 50 / 60Hz				
ELB	20A	20A	20A	30A	40A
CONTROL SYSTEM	Balanced Temperature Control system (BTC system)				
OPERATING CONDITIONS	Ambient: +10 to +30° C, 20 to 80%RH				
PERFORMANCE					
Temp. range	-25 to +100° C(+180° C)				
Fluctuation	±0.3° C(-25 to +100° C), ±1.0° C(+100 to +180° C)				
Variation in space	2.0° C(-25 to +100° C), 4.0° C (+100 to +180° C)				
Temperature rise time	-25 to +100° C within 45 min. (-25 to +180° C within 80 min.) at refrigerator OFF				
Temperature fall time	+20 to -25° C within 60 min.				
Lowest temperature	-25° C				
CONFIGURATION					
Controller	KATO KT instrumentation				
Internal material	18Cr-8Ni stainless steel plate, grinding finished				
External material	18Cr stainless steel plate, line finished				
Insulating material	Glass wool / Silicone packing				
REFRIGERATING SYSTEM	Single condensing refrigerating system : Air cooling or Water cooling				
Refrigerator	Complete closed type compressor				
Out put	0.75 kW	0.75 kW	1.1 kW	1.1 kW	1.5 kW
Power ability changing	Multi step automatic switching system by micro computer control				
Cooling coil	Plate fin cooler : Corrosion prevention coating finishes				
DRY HEATER	stainless steel sheath heater				
BLOWER FAN	Sirocco fan				
ACCESSORIES	Observation window : W250×H350mm with Heating wire, Cable hole 30φ×1pc, Adjustable shelf ×2 sets, Halogen room lamp, Caster, Adjuster				
SAFETY UNITS	Earth leakage circuit breaker, Mixing motor overload relay, Overload and short circuit protector for SSR, Overload and short circuit protecting fuse for operating circuit, Phase reverse relay, Water pressure switch for water cooling type, Refrigerator overload relay, Alarm of temperature limit error, Overheat prevention unit, Refrigerator pressure switch				
OPTIONS	Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Time signal unit, Excessive cooling preventive unit, Tank with automatic pump-up function, See-through door				
INTERNAL CAPACITY (L)	175	288	441	800	1000
INTERNAL DIMENSIONS : W.H.D.mm	500×700×500	600×800×600	700×900×700	1000×1000×800	1000×1000×1000
EXTERNAL DIMENSIONS : W.H.D.mm	1020×1650×950	1120×1650×1050	1220×1750×1150	1520×1910×1250	1520×1910×1450
WEIGHT (kg)	310	370	400	600	650

- *The performance values are based on JTM K-07, IEC60068-3-5:2001, and no specimen inside the test area.
- *The rising and falling performances are given at an ambient temperature of +20° C, or with a cooling water temperature of +25° C.
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