

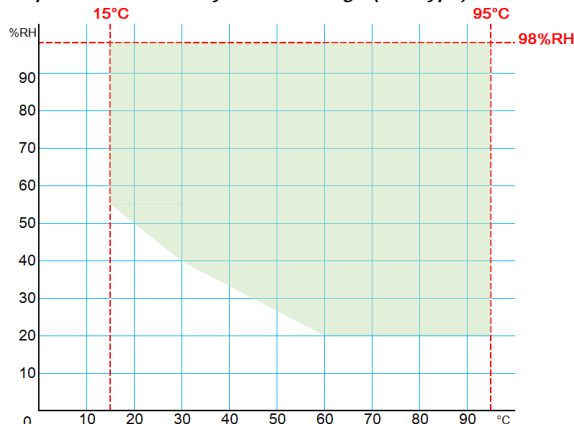


-70 to +100°C(+180°C) / 20 to 98%RH

NAME	Silvery Emperor series				
MODEL	SE(SSE)-73KT	SE(SSE)-74KT	SE(SSE)-75KT	SE(SSE)-77KT	SE(SSE)-78KT
POWER SUPPLY	AC 200V ±10% 3φ 50 / 60Hz				
ELB	40A	40A	50A	60A	75A
CONTROL SYSTEM	Balanced Temperature and Humidity Control system (BTHC system)				
OPERATING CONDITIONS	Ambient: +10 to +30° C, 20 to 80%RH				
PERFORMANCE					
Temp. / Humid. range	-70 to +100° C(+180° C) / 20 to 98%RH				
Fluctuation	±0.3° C(-70 to +100° C), ±1.0° C(+100 to +180° C) / ±2.5 %RH				
Variation in space	2.0° C(-70 to +100° C), 4.0° C(+100 to +180° C) / 5.0 %RH				
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	Dual 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				
WET HEATER	stainless steel plug 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, Boiling without water prevention unit, 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				
WATER SUPPLYING SYSTEM	Water pump-up with natural gravitation method or Supply from waterworks				
Water tank	fixed tank on the chamber 1 set				
OPTIONS	Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Excessive cooling preventive unit, Deionizer for humidifying water, Gauze wick, Tank with automatic pump-up function, See-through door, Time signal unit, Defroster				
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-09, IEC60068-3-6:2001, 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.
- *Humidifying water quality should be PH 6.0 to 7.2, electrical conducting rate is less than 0.02mS/cm.
- *The descriptions, inside the () in the table, are for the +180° C specification SSE model.
- *The above specifications may be changed for any improvement of product without giving any preliminary notification.

Temperature & Humidity Control Range (SE-Type)



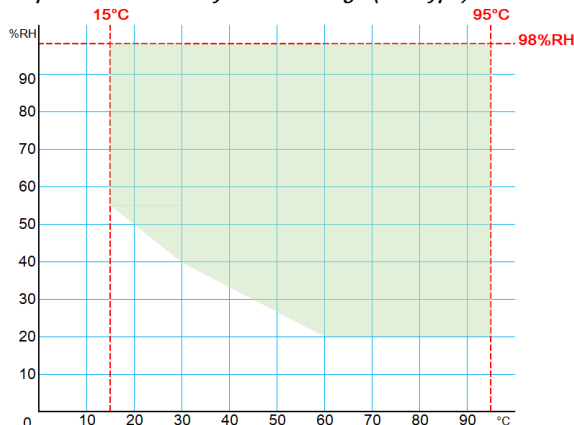


-40 to +100°C(+180°C) / 20 to 98%RH

NAME	Silvery Emperor series				
MODEL	SE(SSE)-43KT	SE(SSE)-44KT	SE(SSE)-45KT	SE(SSE)-47KT	SE(SSE)-48KT
POWER SUPPLY	AC 200V ±10% 3φ 50 / 60Hz				
ELB	30A	30A	30A	50A	50A
CONTROL SYSTEM	Balanced Temperature and Humidity Control system (BTHC system)				
OPERATING CONDITIONS	Ambient: +10 to +30° C, 20 to 80%RH				
PERFORMANCE					
Temp. / Humid. range	-40 to +100° C(+180° C) / 20 to 98%RH				
Fluctuation	±0.3° C(-40 to +100° C), ±1.0° C(+100 to +180° C) / ±2.5 %RH				
Variation in space	2.0° C(-40 to +100° C), 4.0° C(+100 to +180° C) / 5.0 %RH				
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, ine 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				
WET HEATER	stainless steel plug 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, Boiling without water prevention unit, 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				
WATER SUPPLYING SYSTEM	Water pump-up with natural gravitation method or Supply from waterworks				
Water tank	fixed tank on the chamber 1 set				
OPTIONS	Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Excessive cooling preventive unit, Deionizer for humidifying water, Gauze wick, Tank with automatic pump-up function, See-through door, Time signal unit, Defroster				
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)	320	370	420	670	720

- *The performance values are based on JTM K-09, IEC60068-3-6:2001, 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.
- *Humidifying water quality should be PH 6.0 to 7.2, electrical conducting rate is less than 0.02mS/cm.
- *The descriptions, inside the () in the table, are for the +180° C specification SSE model.
- *The above specifications may be changed for any improvement of product without giving any preliminary notification.

Temperature & Humidity Control Range (SE-Type)



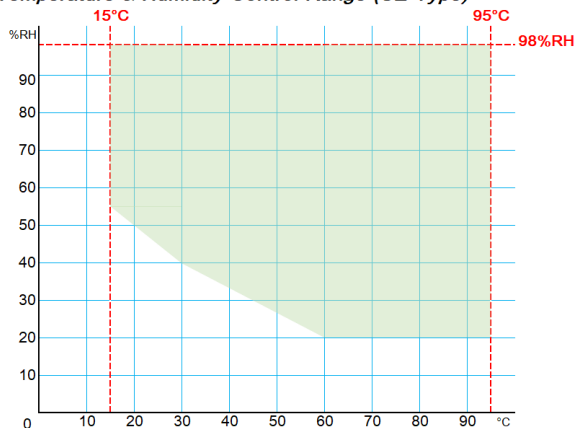


-25 to +100°C(+180°C) / 20 to 98%RH

NAME	Silvery Emperor series				
MODEL	SE(SSE)-23KT	SE(SSE)-24KT	SE(SSE)-25KT	SE(SSE)-27KT	SE(SSE)-28KT
POWER SUPPLY	AC 200V ±10% 3φ 50 / 60Hz				
ELB	20A	30A	30A	40A	50A
CONTROL SYSTEM	Balanced Temperature and Humidity Control system (BTHC system)				
OPERATING CONDITIONS	Ambient: +10 to +30° C, 20 to 80%RH				
PERFORMANCE					
Temp. / Humid. range	-25 to +100° C(+180° C) / 20 to 98%RH				
Fluctuation	±0.3° C(-25 to +100° C), ±1.0° C(+100 to +180° C) / ±2.5 %RH				
Variation in space	2.0° C(-25 to +100° C), 4.0° C(+100 to +180° C) / 5.0 %RH				
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				
WET HEATER	stainless steel plug 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, Boiling without water prevention unit, 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				
WATER SUPPLYING SYSTEM	Water pump-up with natural gravitation method or Supply from waterworks				
Water tank	fixed tank on the chamber 1 set				
OPTIONS	Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Excessive cooling preventive unit, Deionizer for humidifying water, Gauze wick, Tank with automatic pump-up function, See-through door, Time signal unit, Defroster				
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-09, IEC60068-3-6:2001, 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.
- *Humidifying water quality should be PH 6.0 to 7.2, electrical conducting rate is less than 0.02mS/cm.
- *The descriptions, inside () in the table, are for the +180° C specification SSE model.
- *The above specifications may be changed for any improvement of product without giving any preliminary notification.

Temperature & Humidity Control Range (SE-Type)





-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.

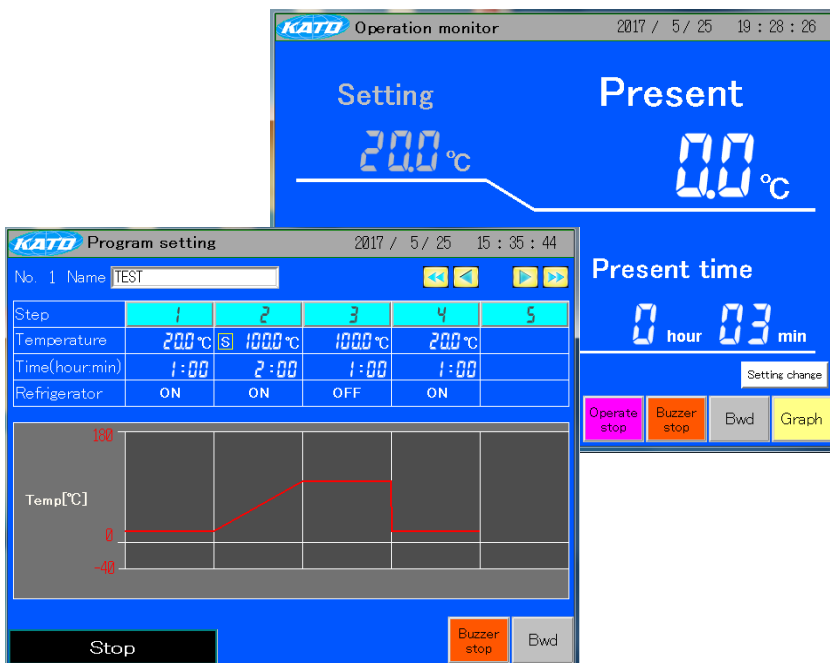




-40 to +100°C(+180°C)

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.
 *The above specifications may be changed for any improvement of product without giving any preliminary notification.





-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.
- *The descriptions, inside the () in the table, are for the +180° C specification SSP model.
- *The above specifications may be changed for any improvement of product without giving any preliminary notification.



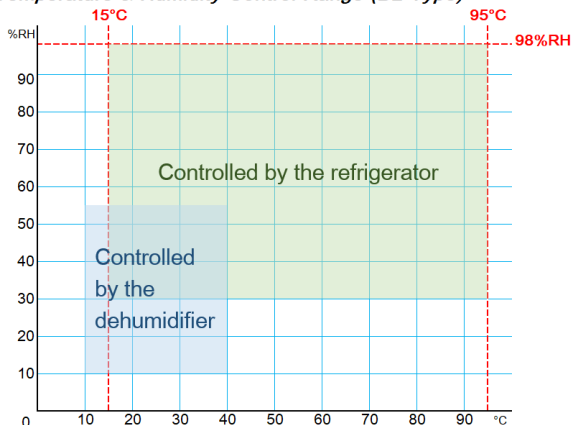
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-20 to +100°C / 10 to 98%RH

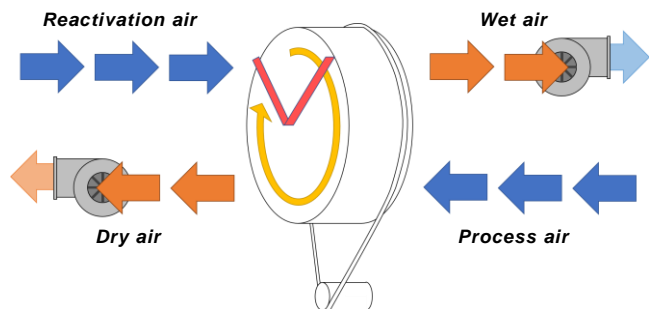
NAME	BL series			
MODEL	SE-23BLKT	SE-24BLKT	SE-25BLKT	SE-27BLKT
POWER SUPPLY	AC 200V ±10% 3 φ 50 / 60Hz			
ELB	30A	40A	40A	50A
CONTROL SYSTEM	Balanced Temperature and Humidity Control system (BTHC system)			
OPERATING CONDITIONS	Ambient: ±0 to +35° C, 20 to 80%RH			
PERFORMANCE				
Temp. / Humid. range	-20 to +100° C / 10 to 98%RH			
Fluctuation	±0.3° C / ±2.5 %RH			
Variation in space	2.0° C / 5.0 %RH			
Temperature rise time	-20 to +100° C within 45 min. at refrigerator OFF			
Temperature fall time	+20 to -20° C within 60 min.			
Lowest temperature	-20° 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
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			
WET HEATER	stainless steel plug heater			
BLOWER FAN	Sirocco fan			
DEHUMIDIFIER	Desiccant rotor			
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, Boiling without water prevention unit, 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			
WATER SUPPLYING SYSTEM	Water pump-up with natural gravitation method or Supply from waterworks			
Water tank	fixed tank on the chamber 1 set			
OPTIONS	Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Excessive cooling preventive unit, Deionizer for humidifying water, Gauze wick, Tank with automatic pump-up function, See-through door, Time signal unit, Defroster			
INTERNAL CAPACITY (L)	175	288	441	800
INTERNAL DIMENSIONS : W.H.D.mm	500× 700× 500	600× 800× 600	700× 900× 700	1000×1000× 800
EXTERNAL DIMENSIONS : W.H.D.mm	1780×1650× 950	1880×1650×1050	1980×1750×1150	2280×1910×1250
WEIGHT (kg)	380	440	470	670

- *The performance values are based on JTM K-09, IEC60068-3-6:2001, 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.
- *Humidifying water quality should be PH 6.0 to 7.2, electrical conducting rate is less than 0.02mS/cm.
- *External dimensions shown are for the dehumidifier placed horizontally type.
- *The above specifications may be changed for any improvement of product without giving any preliminary notification.

Temperature & Humidity Control Range (BL-Type)



Principle of Desiccant rotor



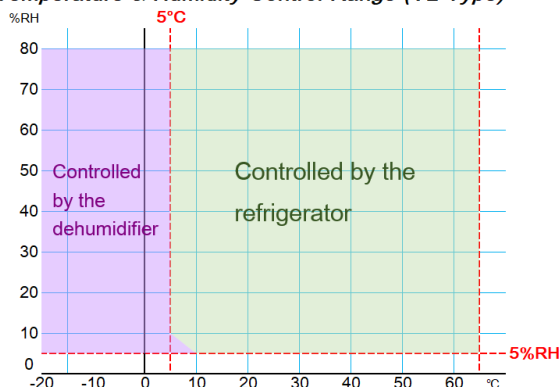


-20 to +60°C / 5 to 80%RH

NAME	VL series			
MODEL	SE-23VLKT	SE-24VLKT	SE-25VLKT	SE-27VLKT
POWER SUPPLY	AC 200V ±10% 3 φ 50 / 60Hz			
ELB	30A	40A	40A	50A
CONTROL SYSTEM	Balanced Temperature and Humidity Control system (BTHC system)			
OPERATING CONDITIONS	Ambient: ±0 to +35° C, 20 to 80%RH			
PERFORMANCE				
Temp. / Humid. range	-20 to +60° C / 5 to 80%RH			
Fluctuation	±0.3° C / ±2.5 %RH			
Variation in space	2.0° C / 5.0 %RH			
Temperature rise time	-20 to +60° C within 45 min. at refrigerator OFF			
Temperature fall time	+20 to -20° C within 60 min.			
Lowest temperature	-20° 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
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			
WET HEATER	stainless steel plug heater			
BLOWER FAN	Sirocco fan			
DEHUMIDIFIER	Desiccant rotor			
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, Boiling without water prevention unit, 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			
WATER SUPPLYING SYSTEM	Water pump-up with natural gravitation method or Supply from waterworks			
Water tank	fixed tank on the chamber 1 set			
OPTIONS	Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Excessive cooling preventive unit, Deionizer for humidifying water, Gauze wick, Tank with automatic pump-up function, See-through door, Time signal unit, Defroster			
INTERNAL CAPACITY (L)	175	288	441	800
INTERNAL DIMENSIONS : W.H.D.mm	500× 700× 500	600× 800× 600	700× 900× 700	1000×1000× 800
EXTERNAL DIMENSIONS : W.H.D.mm	1780×1650× 950	1880×1650×1050	1980×1750×1150	2280×1910×1250
WEIGHT (kg)	380	440	470	670

- *The performance values are based on JTM K-09, IEC60068-3-6:2001, 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.
- *Humidifying water quality should be PH 6.0 to 7.2, electrical conducting rate is less than 0.02mS/cm.
- *External dimensions shown are for the dehumidifier placed horizontally type.
- *The above specifications may be changed for any improvement of product without giving any preliminary notification.

Temperature & Humidity Control Range (VL-Type)



Principle of Desiccant rotor

