

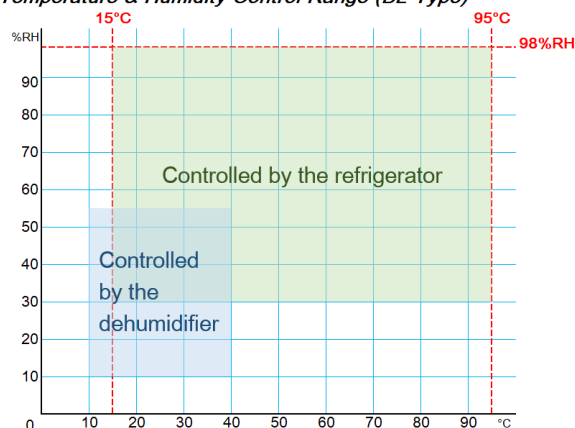


-20 to +100°C / 10 to 98%RH

NAME	BL series			
MODEL	SE-23BLKT	SE-24BLKT	SE-25BLKT	SE-27BLKT
POWER SUPPLY	AC 200V ±10% 3φ 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

