

Specifications for Vertical Type 200°C Series

Product name		High temperature chamber					
Type		HS210	HS220	HS230	HS240	HS250	HS260
Circulation method		Forced convection system					
Performance	Temperature range	(Ambient temperature +20°C) ~ +200°C					
	Temperature uniformity	±2.0°C (at +200°C)					
	Temperature heat-up rate	Within 40 minutes (Room temperature → +200°C)					
	Temperature stability	±0.5°C (at +200°C)					
Controller	Control method	Microcomputer controlled temperature controller (ETACOM) / PID control method					
	Setting / display accuracy	1.0°C					
	Setting / display resolution	0.5% (F.S.) + 1°C/digit					
	Sensor	K thermocouple					
Body	External material	Cold rolled steel plate with baked coating finish					
	Internal material	Stainless steel plate (SUS304)					
	Thermal insulation materials	Glass wool					
Thermal heater		Sheathed heater					
Air transport mechanism	Electric motor	Single phase motor					
	Fan	Sirocco fan					
	Damper	Recirculation and ventilation switching is possible					
	Air exhaust outlet	φ 89 Outside diameter at outlet					
Protection devices		Leakage breaker for power supply, Overheat protector (With ETACOM), Fan motor thermal protector, Power failure recovery prevention, Keeping function prevention with instant power failure, Warning alarm, Lower set temperature limiting alarm, Overheat protector (For upper set temperature limit), Interlock terminal, Abnormality display, Alarm for temperature exceeding the set point + 10°C, Microcomputer self-diagnosis function (Abnormal CPU, Damaged sensor, Damaged heater, Abnormal ambient temperature, Open door alarm), Temperature fuse, Anti-shut door mechanism, Open door instant stop function					
Additional functions		Memory back-up (Approx. 5 years), Auto start, Auto stop, Program operation function (2 steps × 3 patterns), Final step operation holding function					
Power supply		AC200V single phase 50 / 60Hz			AC200V three phase 50 / 60Hz		
Full load current (A)		18	18	20	15	17	18
External dimensions (W × H × Dmm)		620 × 1200 × 760	620 × 1500 × 760	770 × 1200 × 910	770 × 1500 × 910	770 × 1800 × 910	970 × 1800 × 910
Internal dimensions (W × H × Dmm)		450 × 600 × 450	450 × 900 × 450	600 × 600 × 600	600 × 900 × 600	600 × 1200 × 600	800 × 1200 × 600
Capacity (Liter)		122	182	216	324	432	576
Weight (kg)		140	145	160	185	205	275
Accessories	Operation manual		1 copy				
	Shelf	Quantity	2 shelves, 4 shelf supports				
		Minimum installation pitch (mm)	50				
		MAX. number of shelves	9	15	9	15	21
	Connector		1 (Power supply for the specimen to be tested)				
	Warranty		Mailed separately				

*The displayed performance is at ambient temperature of +20°C and when there are no test specimens in the chamber.

*These specifications may be changed without notice for improvement or modification.

Specifications for Vertical Type 300 °C Series

Product name		High temperature chamber					
Type		HS310	HS320	HS330	HS340	HS350	HS360
Circulation method		Forced convection system					
Performance	Temperature range	(Ambient temperature + 20°C) ~ + 300°C					
	Temperature uniformity	± 3.0°C (at + 300°C)					
	Temperature heat-up rate	Within 60 minutes (Room temperature → + 300°C)					
Controller	Control method	Microcomputer controlled temperature controller (ETACOM) / PID control method					
	Setting / display accuracy	1.0°C					
	Setting / display resolution	0.5% (F.S.) + 1°C/digit					
Body	Sensor	K thermocouple					
	External material	Cold rolled steel plate with baked coating finish					
	Internal material	Stainless steel plate (SUS304)					
Thermal insulation materials		Glass wool					
Thermal heater		Sheathed heater					
Air transport mechanism	Electric motor	Single phase motor					
	Fan	Sirocco fan					
	Damper	Recirculation and ventilation switching is possible					
Air exhaust outlet		φ 89 outside diameter at outlet					
Protection devices		Leakage breaker for power supply, Overheat protector (With ETACOM), Fan motor thermal protector, Power failure recovery prevention, Keeping function prevention with instant power failure, Warning alarm, Lower set temperature limiting alarm, Overheat protector (For upper set temperature limit), Interlock terminal, Abnormality display, Alarm for temperature exceeding the set point + 10°C, Microcomputer self-diagnosis function (Abnormal CPU, Damaged sensor, Damaged heater, Abnormal ambient temperature, Open door alarm), Temperature fuse, Anti-shut door mechanism, Open door instant stop function					
Additional functions		Memory back-up (Approx. 5 years), Auto start, Auto stop, Program operation function (2 steps × 3 patterns), Final step operation holding function					
Power supply		AC200V single phase 50 / 60Hz			AC200V three phase 50 / 60Hz		
Full load current (A)		18	20	20	17	19	21
External dimensions (W × H × Dmm)		620 × 1200 × 760	620 × 1500 × 760	770 × 1200 × 910	770 × 1500 × 910	770 × 1800 × 910	970 × 1800 × 910
Internal dimensions (W × H × Dmm)		450 × 600 × 450	450 × 900 × 450	600 × 600 × 600	600 × 900 × 600	600 × 1200 × 600	800 × 1200 × 600
Capacity (Liter)		122	182	216	324	432	576
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