

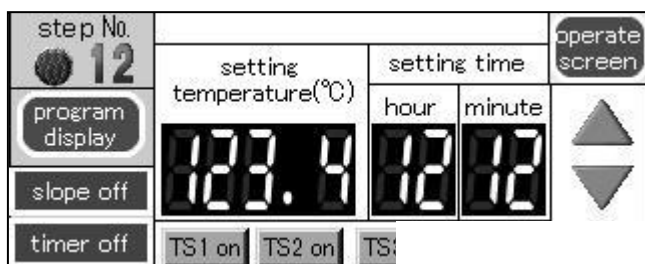
# JMB

(Ambient temp. +30°C) to +300°C

NAME	JMB series						
MODEL	JMB-31DPA	JMB-32DPA	JMB-33DPA	JMB-34DPA	JMB-35DPA	JMB-36DPA	JMB-37DPA
POWER SUPPLY	Highest temperature is +300° C AC 200V ±10% 3φ 50/60Hz						
ELB	30A	40A	50A	50A	100A	125A	150A
CONTROL SYSTEM	Hot air circulation system						
OPERATING CONDITIONS	Ambient: +10 to +30° C, 20 to 80%RH						
PERFORMANCE							
Temperature range	(Ambient temp. +30° C) to +300° C						
Fluctuation	±0.6° C(at +150° C) ±0.8° C(at +300° C)						
Variation in space	2.3° C(at +150° C), 4.5° C(at +300° C)						
Temperature rise time	(Ambient temp. +30° C) to +300° C within 60 min.						
CONFIGURATION							
Controller	KATO DPA instrumentation						
Internal material	Stainless steel plate						
External material	Cold-rolled steel plate, Painting finished						
Insulating material	Rock wool, Silicon packing						
DRY HEATER	Stainless steel sheath heater						
Out put	6.0 kW	9.0 kW	12.0 kW	12.0 kW	24.0 kW	30.0 kW	42.0 kW
BLOWING / CHUMING	Ventilation and circulation system with Pressure fan						
ACCESSORIES	Adjustable shelf ×2 sets, Air inlet, Exhaust pipe						
SAFETY UNITS	Earth leakage circuit breaker, Blowing motor overload relay, Overheat prevention unit						
OPTIONS	Signal tower, Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Time signal unit, Overheating preventing unit for heater unit, Floor Reinforcement						
INTERNAL CAPACITY (L)	640	1000	1440	1500	2700	3600	4800
INTERNAL DIMENSIONS : W.H.D.mm	1000×800× 800	1000×1000× 1000	1200×1200× 1000	1500×1000× 1000	1500×1500× 1200	2000×1500× 1200	2000×2000× 1200
EXTERNAL DIMENSIONS : W.H.D.mm	1775×1200× 1000	1775×1400× 1200	2000×1600× 1200	2350×1450× 1200	2500×1950× 1400	3100×1950× 1400	3100×2450× 1400
WEIGHT (kg)	600	600	700	820	900	1200	1500

\*The performance values are based on JTM K-07, IEC60068-3-5:2001, and no specimen inside the test area.

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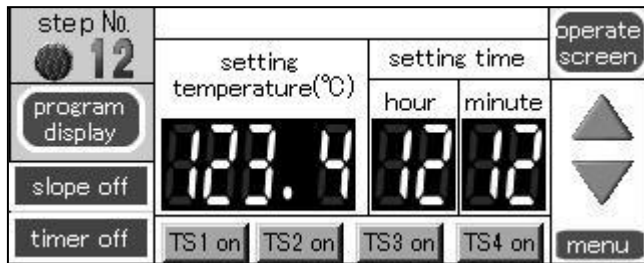
# JMB

(Ambient temp. +20°C) to +200°C

NAME	JMB series						
MODEL	JMB-21DPA	JMB-22DPA	JMB-23DPA	JMB-24DPA	JMB-25DPA	JMB-26DPA	JMB-27DPA
POWER SUPPLY	Highest temperature is +200° C AC 200 V 10% 3 φ 50 / 60 Hz						
ELB	20A	30A	40A	40A	75A	100A	125A
CONTROL SYSTEM	Hot air circulation system						
OPERATING CONDITIONS	Ambient: +10 to +30° C, 20 to 80%RH						
PERFORMANCE							
Temperature range	(Ambient temp. +20° C) to +200° C						
Fluctuation	±0.5° C(at +100° C), ±0.7° C(at +200° C)						
Variation in space	1.5° C(at +100° C), 3.0° C(at +200° C)						
Temperature rise time	(Ambient temp. +20° C) to +200° C within 45 min.						
CONFIGURATION							
Controller	KATO DPA instrumentation						
Internal material	Stainless steel plate						
External material	Cold-rolled steel plate, Painting finished						
Insulating material	Rock wool, Silicon packing						
DRY HEATER	Stainless steel sheath heater						
Out put	4.5 kW	6.0 kW	9.0 kW	9.0 kW	18.0 kW	21.0 kW	27.0 kW
BLOWING / CHUMING	Ventilation and circulation system with Pressure fan						
ACCESSORIES	Adjustable shelf ×2 sets, Air inlet, Exhaust pipe						
SAFETY UNITS	Earth leakage circuit breaker, Blowing motor overload relay, Overheat prevention unit						
OPTIONS	Signal tower, Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Time signal unit, Overheating preventing unit for heater unit, Floor Reinforcement						
INTERNAL CAPACITY (L)	640	1000	1440	1500	2700	3600	4800
INTERNAL DIMENSIONS : W.H.D.mm	1000×800× 800	1000×1000× 1000	1200×1200× 1000	1500×1000× 1000	1500×1500× 1200	2000×1500× 1200	2000×2000× 1200
EXTERNAL DIMENSIONS : W.H.D.mm	1775×1200× 1000	1775×1400× 1200	2000×1600× 1200	2350×1450× 1200	2500×1950× 1400	3100×1950× 1400	3100×2450× 1400
WEIGHT (kg)	600	600	700	820	900	1200	1500

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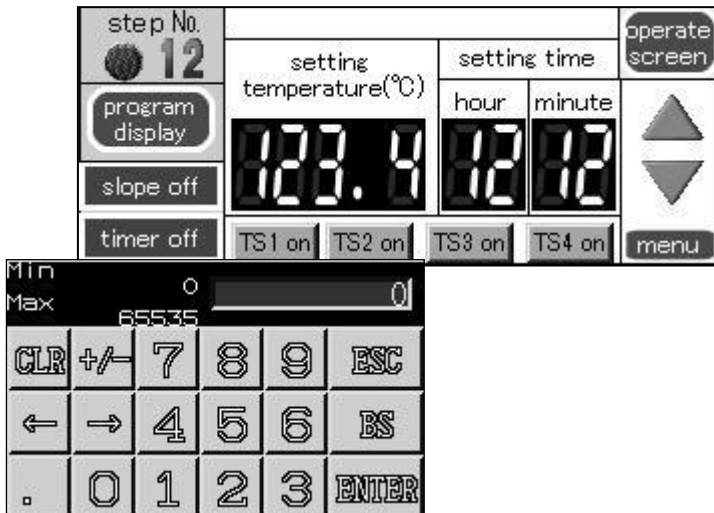
# RO

(Ambient temp. +30°C) to +400°C

NAME	RO series					
MODEL	RO-41DPA	RO-42DPA	RO-43DPA	RO-44DPA	RO-45DPA	RO-46DPA
POWER SUPPLY	Highest temperature is +400° C AC 200V ±10% 3φ 50/60Hz					
ELB	30A	40A	40A	40A	50A	60A
CONTROL SYSTEM	Hot air circulation system					
OPERATING CONDITIONS	Ambient: +10 to +30° C, 20 to 80%RH					
PERFORMANCE						
Temperature range	(Ambient temp. +30° C) to +400° C					
Fluctuation	±0.7° C(at +200° C), ±0.8° C(at +400° C)					
Variation in space	3.0° C(at +200° C), 6.0° C(at +400° C)					
Temperature rise time	(Ambient temp. +30° C) to +400° C within 90 min.					
CONFIGURATION						
Controller	KATO DPA instrumentation					
Internal material	Stainless steel plate					
External material	Cold-rolled steel plate, Painting finished					
Insulating material	Rock wool, Silicon packing					
DRY HEATER	Stainless steel sheath heater					
Out put	6.0 kW	9.0 kW	9.0 kW	9.0 kW	12.0 kW	16.0 kW
BLOWING / CHUMING	Ventilation and circulation system with Pressure fan					
ACCESSORIES	Adjustable shelf ×2 sets, Air inlet, Exhaust pipe					
SAFETY UNITS	Earth leakage circuit breaker, Blowing motor overload relay, Overheat prevention unit					
OPTIONS	Signal tower, Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Time signal unit, Overheating preventing unit for heater unit, Floor Reinforcement					
INTERNAL CAPACITY (L)	288	512	640	1000	1200	1500
INTERNAL DIMENSIONS : W.H.D.mm	600×800×600	800×800×800	800×1000×800	1000×1000×1000	1000×1200×1000	1000×1500×1000
EXTERNAL DIMENSIONS : W.H.D.mm	1200×1600×1350	1450×1600×1600	1450×1800×1600	1650×1800×1800	1650×2000×1800	1650×2300×1800
WEIGHT (kg)	400	500	650	730	800	850

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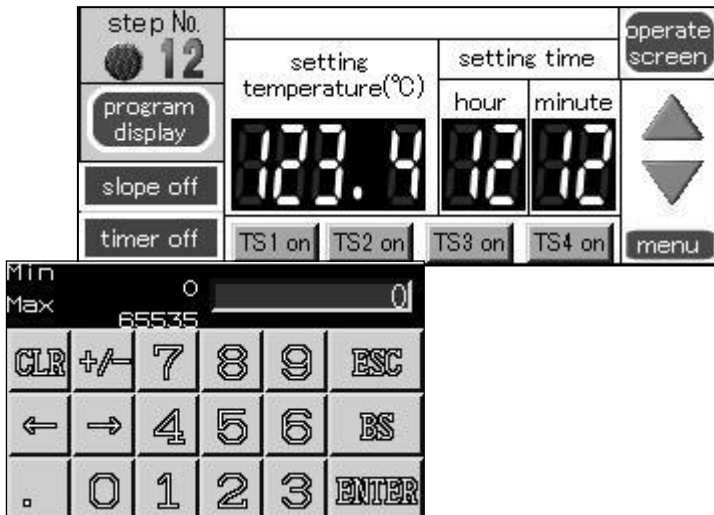
# RO

(Ambient temp. +30°C) to +300°C

NAME	RO series					
MODEL	RO-31DPA	RO-32DPA	RO-33DPA	RO-34DPA	RO-35DPA	RO-36DPA
POWER SUPPLY	Highest temperature is +300° C AC 200V ±10% 3φ 50/60Hz					
ELB	20A	30A	30A	40A	40A	50A
CONTROL SYSTEM	Hot air circulation system					
OPERATING CONDITIONS	Ambient: +10 to +30° C, 20 to 80%RH					
PERFORMANCE						
Temperature range	(Ambient temp. +30° C) to +300° C					
Fluctuation	±0.6° C(at +150° C), ±0.8° C(at +300° C)					
Variation in space	2.3° C(at +150° C), 4.5° C(at +300° C)					
Temperature rise time	(Ambient temp. +30° C) to +300° C within 60 min.					
CONFIGURATION						
Controller	KATO DPA instrumentation					
Internal material	Stainless steel plate					
External material	Cold-rolled steel plate, Painting finished					
Insulating material	Rock wool, Silicon packing					
DRY HEATER	Stainless steel sheath heater					
Out put	4.0 kW	6.0 kW	6.0 kW	9.0 kW	9.0 kW	12.0 kW
BLOWING / CHUMING	Ventilation and circulation system with Pressure fan					
ACCESSORIES	Adjustable shelf ×2 sets, Air inlet, Exhaust pipe					
SAFETY UNITS	Earth leakage circuit breaker, Blowing motor overload relay, Overheat prevention unit					
OPTIONS	Signal tower, Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Time signal unit, Overheating preventing unit for heater unit, Floor Reinforcement					
INTERNAL CAPACITY (L)	288	512	640	1000	1200	1500
INTERNAL DIMENSIONS : W.H.D.mm	600×800×600	800×800×800	800×1000×800	1000×1000×1000	1000×1200×1000	1000×1500×1000
EXTERNAL DIMENSIONS : W.H.D.mm	1150×1500×1250	1350×1500×1500	1350×1700×1500	1550×1700×1700	1550×1900×1700	1550×2220×1700
WEIGHT (kg)	350	450	600	680	750	800

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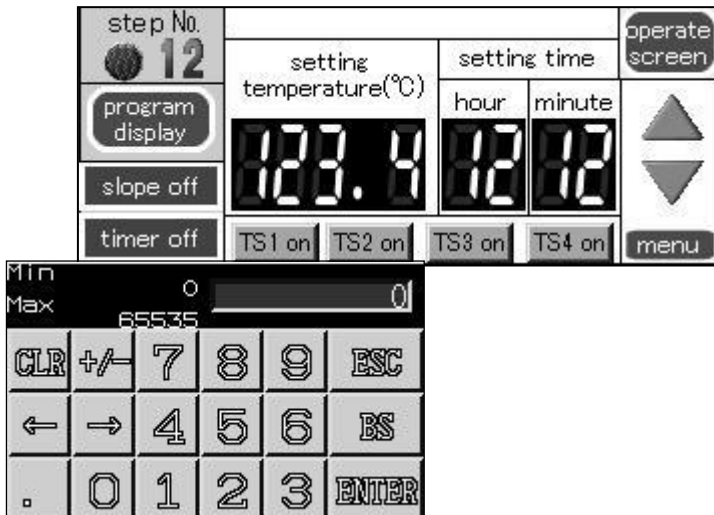
# RO

(Ambient temp. +20°C) to +200°C

NAME	RO series					
MODEL	RO-21DPA	RO-22DPA	RO-23DPA	RO-24DPA	RO-25DPA	RO-26DPA
POWER SUPPLY	AC 200V ±10% 3φ 50/60Hz					
ELB	15A	20A	20A	30A	30A	40A
CONTROL SYSTEM	Hot air circulation system					
OPERATING CONDITIONS	Ambient: +10 to +30°C, 20 to 80%RH					
PERFORMANCE						
Temperature range	(Ambient temp. +20°C) to +200°C					
Fluctuation	±0.5°C(at +100°C), ±0.7°C(at +200°C)					
Variation in space	1.5°C(at +100°C), 3.0°C(at +200°C)					
Temperature rise time	(Ambient temp. +20°C) to +200°C within 50 min.					
CONFIGURATION						
Controller	KATO DPA instrumentation					
Internal material	Stainless steel plate					
External material	Cold-rolled steel plate, Painting finished					
Insulating material	Rock wool, Silicon packing					
DRY HEATER	Stainless steel sheath heater					
Out put	3.0 kW	4.0 kW	4.5 kW	6.0 kW	6.0 kW	9.0 kW
BLOWING / CHUMING	Ventilation and circulation system with Pressure fan					
ACCESSORIES	Adjustable shelf ×2 sets, Air inlet, Exhaust pipe					
SAFETY UNITS	Earth leakage circuit breaker, Blowing motor overload relay, Overheat prevention unit					
OPTIONS	Signal tower, Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Time signal unit, Overheating preventing unit for heater unit, Floor Reinforcement					
INTERNAL CAPACITY (L)	288	512	640	1000	1200	1500
INTERNAL DIMENSIONS : W.H.D.mm	600×800×600	800×800×800	800×1000×800	1000×1000×1000	1000×1200×1000	1000×1500×1000
EXTERNAL DIMENSIONS : W.H.D.mm	1150×1500×1250	1350×1500×1500	1350×1700×1500	1550×1700×1700	1550×1900×1700	1550×2220×1700
WEIGHT (kg)	350	450	600	680	750	800

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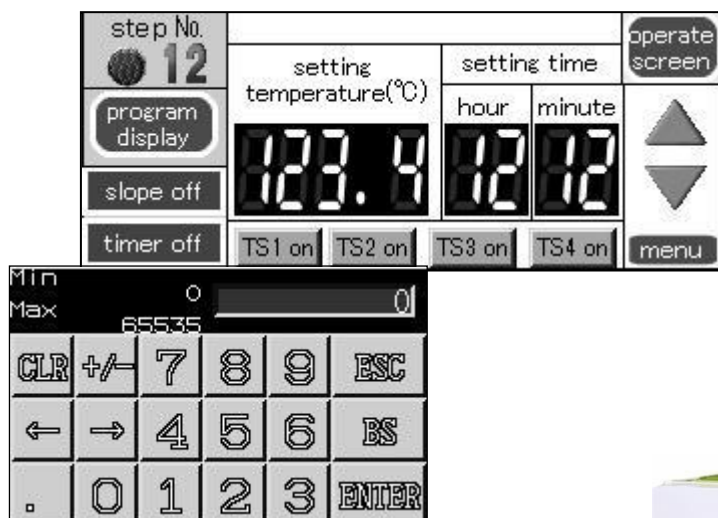
# TRO

(Ambient temp. +80°C) to +500°C

NAME	TRO series		
MODEL	TRO-51DPA	TRO-52DPA	TRO-53DPA
POWER SUPPLY	Highest temperature is +500° C AC 200V ±10% 3φ 50/60Hz		
ELB	20A	30A	40A
CONTROL SYSTEM	Hot air circulation method		
OPERATING CONDITIONS	Ambient: +10 to +30° C, 20 to 80%RH		
PERFORMANCE			
Temperature range	(Ambient temp. +80° C) to +500° C		
Fluctuation	±0.6° C(at +150° C), ±0.8° C(at +300° C)		
Variation in space	2.3° C(at +150° C), 4.5° C(at +300° C)		
Temperature rise time	(Ambient temp. +30° C) to +300° C within 60 min.		
CONFIGURATION			
Controller	KATO DPA instrumentation		
Internal material	Stainless steel plate		
External material	Cold-rolled steel plate, Painting finished		
Insulating material	Rock wool, Silicon packing		
DRY HEATER	Stainless steel sheath heater		
Out put	1.5 kW	3.0 kW	4.0 kW
BLOWING / CHUMING	Ventilation and circulation system with Pressure fan		
ACCESSORIES	Adjustable shelf ×2 sets, Air inlet, Exhaust pipe		
SAFETY UNITS	Earth leakage circuit breaker, Blowing motor overload relay, Overheat prevention unit		
OPTIONS	Signal tower, Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Time signal unit, Overheating preventing unit for heater unit, Floor Reinforcement		
INTERNAL CAPACITY (L)	72	150	288
INTERNAL DIMENSIONS : W.H.D.mm	450×400×400	600×500×500	800×600×600
EXTERNAL DIMENSIONS : W.H.D.mm	1000×650×515	1150×750×610	1400×900×800
WEIGHT (kg)	60	100	200

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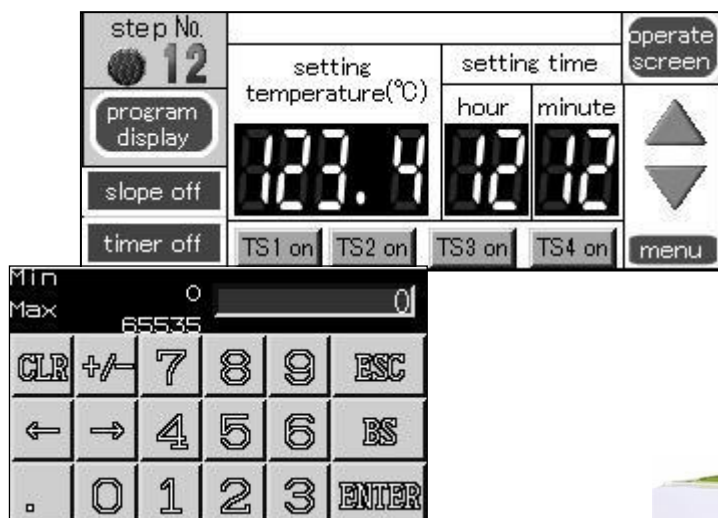
# TRO

(Ambient temp. +30°C) to +300°C

NAME	TRO series		
MODEL	TRO-31DPA	TRO-32DPA	TRO-33DPA
POWER SUPPLY	Highest temperature is +300° C AC 200V ±10% 3φ 50/60Hz		
ELB	15A	15A	20A
CONTROL SYSTEM	Hot air circulation system		
OPERATING CONDITIONS	Ambient: +10 to +30° C, 20 to 80%RH		
PERFORMANCE			
Temperature range	(Ambient temp. +30° C) to +300° C		
Fluctuation	±0.6° C(at +150° C), ±0.8° C(at +300° C)		
Variation in space	2.3° C(at +150° C), 4.5° C(at +300° C)		
Temperature rise time	(Ambient temp. +30° C) to +300° C within 60 min.		
CONFIGURATION			
Controller	KATO DPA instrumentation		
Internal material	Stainless steel plate		
External material	Cold-rolled steel plate, Painting finished		
Insulating material	Rock wool, Silicon packing		
DRY HEATER	Stainless steel sheath heater		
Out put	1.5 kW	3.0 kW	4.0 kW
BLOWING / CHUMING	Ventilation and circulation system with Pressure fan		
ACCESSORIES	Adjustable shelf ×2 sets, Air inlet, Exhaust pipe		
SAFETY UNITS	Earth leakage circuit breaker, Blowing motor overload relay, Overheat prevention unit		
OPTIONS	Signal tower, Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Time signal unit, Overheating preventing unit for heater unit, Floor Reinforcement		
INTERNAL CAPACITY (L)	72	150	288
INTERNAL DIMENSIONS : W.H.D.mm	450×400×400	600×500×500	800×600×600
EXTERNAL DIMENSIONS : W.H.D.mm	1000×650×515	1150×750×610	1400×900×800
WEIGHT (kg)	60	100	200

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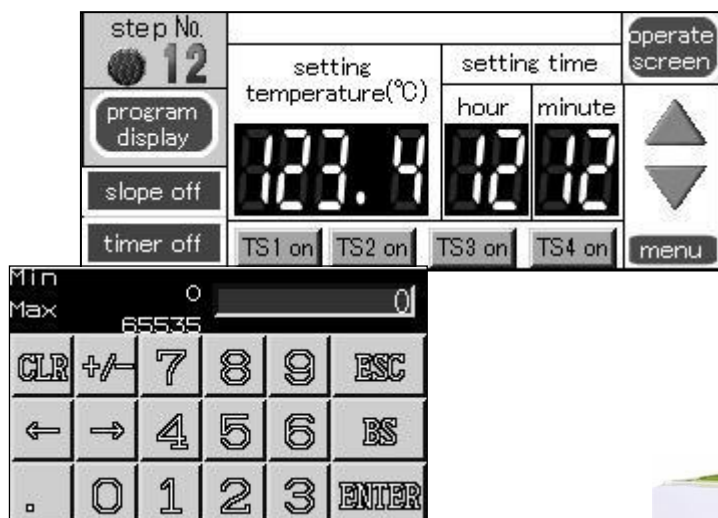
# TRO

(Ambient temp. +20°C) to +200°C

NAME	TRO series		
MODEL	TRO-21DPA	TRO-22DPA	TRO-23DPA
POWER SUPPLY	Highest temperature is +200° C AC 200V ±10% 3φ 50/60Hz		
ELB	15A	15A	15A
CONTROL SYSTEM	Hot air circulation system		
OPERATING CONDITIONS	Ambient: +10 to +30° C, 20 to 80%RH		
PERFORMANCE			
Temperature range	(Ambient temp. +20° C) to +200° C		
Fluctuation	±0.5° C(at +100° C), ±0.7° C(at +200° C)		
Variation in space	1.5° C(at +100° C), 3.0° C(at +200° C)		
Temperature rise time	(Ambient temp. +20° C) to +200° C within 45 min.		
CONFIGURATION			
Controller	KATO DPA instrumentation		
Internal material	Stainless steel plate		
External material	Cold-rolled steel plate, Painting finished		
Insulating material	Rock wool, Silicon packing		
DRY HEATER	Stainless steel sheath heater		
Out put	1.2 kW	2.25 kW	3.0 kW
BLOWING / CHUMING	Ventilation and circulation system with Pressure fan		
ACCESSORIES	Adjustable shelf ×2 sets, Air inlet, Exhaust pipe		
SAFETY UNITS	Earth leakage circuit breaker, Blowing motor overload relay, Overheat prevention unit		
OPTIONS	Signal tower, Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Time signal unit, Overheating preventing unit for heater unit, Floor Reinforcement		
INTERNAL CAPACITY (L)	72	150	288
INTERNAL DIMENSIONS : W.H.D.mm	450×400×400	600×500×500	800×600×600
EXTERNAL DIMENSIONS : W.H.D.mm	1000×650×515	1150×750×610	1400×900×800
WEIGHT (kg)	60	100	200

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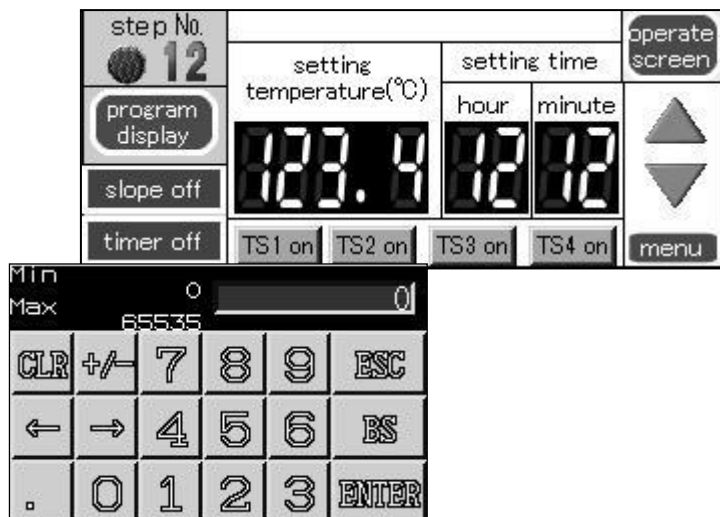
# CLN

(Ambient temp. +80°C) to +300°C

NAME	CLN series		
MODEL	CLN-31DPA	CLN-32DPA	CLN-33DPA
POWER SUPPLY	AC 200 V 10% 3 φ 50 / 60 Hz		
ELB	20A	40A	50A
CONTROL SYSTEM	Hot air circulation method		
OPERATING CONDITIONS	Ambient: +10 to +30° C, 20 to 80%RH		
PERFORMANCE			
Temperature range	(Ambient temp. +80° C) to +300° C		
Fluctuation	±0.6° C(at +150° C), ±0.8° C(at +300° C)		
Variation in space	2.3° C(at +150° C), 4.5° C(at +300° C)		
Temperature rise time	(Ambient temp. +80° C) to +300° C within 60 min.		
CONFIGURATION			
Controller	KATO DPA instrumentation		
Internal material	Stainless steel plate		
External material	Cold-rolled steel plate, Painting finished		
Insulating material	Rock wool, Silicon packing		
DRY HEATER	Stainless steel sheath heater		
Out put	4.5 kW	9.0 kW	12.0 kW
BLOWING / CHUMING	Ventilation and circulation system with Pressure fan		
ACCESSORIES	Adjustable shelf ×2 sets, Air inlet, Exhaust pipe		
SAFETY UNITS	Earth leakage circuit breaker, Blowing motor overload relay, Overheat prevention unit		
OPTIONS	Signal tower, Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Time signal unit, Overheating preventing unit for heater unit, Floor Reinforcement		
INTERNAL CAPACITY (L)	205	432	864
INTERNAL DIMENSIONS : W.H.D.mm	600×600×570	600×900×800	900×1200×800
EXTERNAL DIMENSIONS : W.H.D.mm	1080×1640×1310	1080×1940×1555	1380×2350×1555
WEIGHT (kg)	340	370	470

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# CLN

(Ambient temp. +30°C) to +200°C

NAME	CLN series		
MODEL	CLN-21DPA	CLN-22DPA	CLN-23DPA
POWER SUPPLY	AC 200 V 10% 3 φ 50 / 60 Hz		
ELB	15A	15A	15A
CONTROL SYSTEM	Hot air circulation method		
OPERATING CONDITIONS	Ambient : +10 to +30 ° C, 20 to 80 %RH		
PERFORMANCE			
Temperature range	(Ambient temp. +20° C) to +200° C		
Fluctuation	±0.5° C(at +100° C), ±0.7° C(at +200° C)		
Variation in space	1.5° C(at +100° C), 3.0° C(at +200° C)		
Temperature rise time	(Ambient temp. +20° C) to +200° C within 45 min.		
CONFIGURATION			
Controller	KATO DPA instrumentation		
Internal material	Stainless steel plate		
External material	Cold-rolled steel plate, Painting finished		
Insulating material	Rock wool, Silicon packing		
DRY HEATER	Stainless steel sheath heater		
Out put	4.0 kW	6.0 kW	9.0 kW
BLOWING / CHUMING	Ventilation and circulation system with Pressure fan		
ACCESSORIES	Adjustable shelf ×2 sets, Air inlet, Exhaust pipe		
SAFETY UNITS	Earth leakage circuit breaker, Blowing motor overload relay, Overheat prevention unit		
OPTIONS	Signal tower, Recorder, Cable hole 30, 50, 100φ, Shelf, Operation holes, Interface RS-232C, Time signal unit, Overheating preventing unit for heater unit, Floor Reinforcement		
INTERNAL CAPACITY (L)	205	432	864
INTERNAL DIMENSIONS : W.H.D.mm	600×600×570	600×900×800	900×1200×800
EXTERNAL DIMENSIONS : W.H.D.mm	1080×1640×1155	1080×1940×1390	1380×2300×1400
WEIGHT (kg)	320	350	450

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