



Electric Top Loading Kilns

For Ceramics up to 1320°C





Studio Top-Loaders TE-MCC+ Series up to 1320°C

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Comparison Table and Controllers

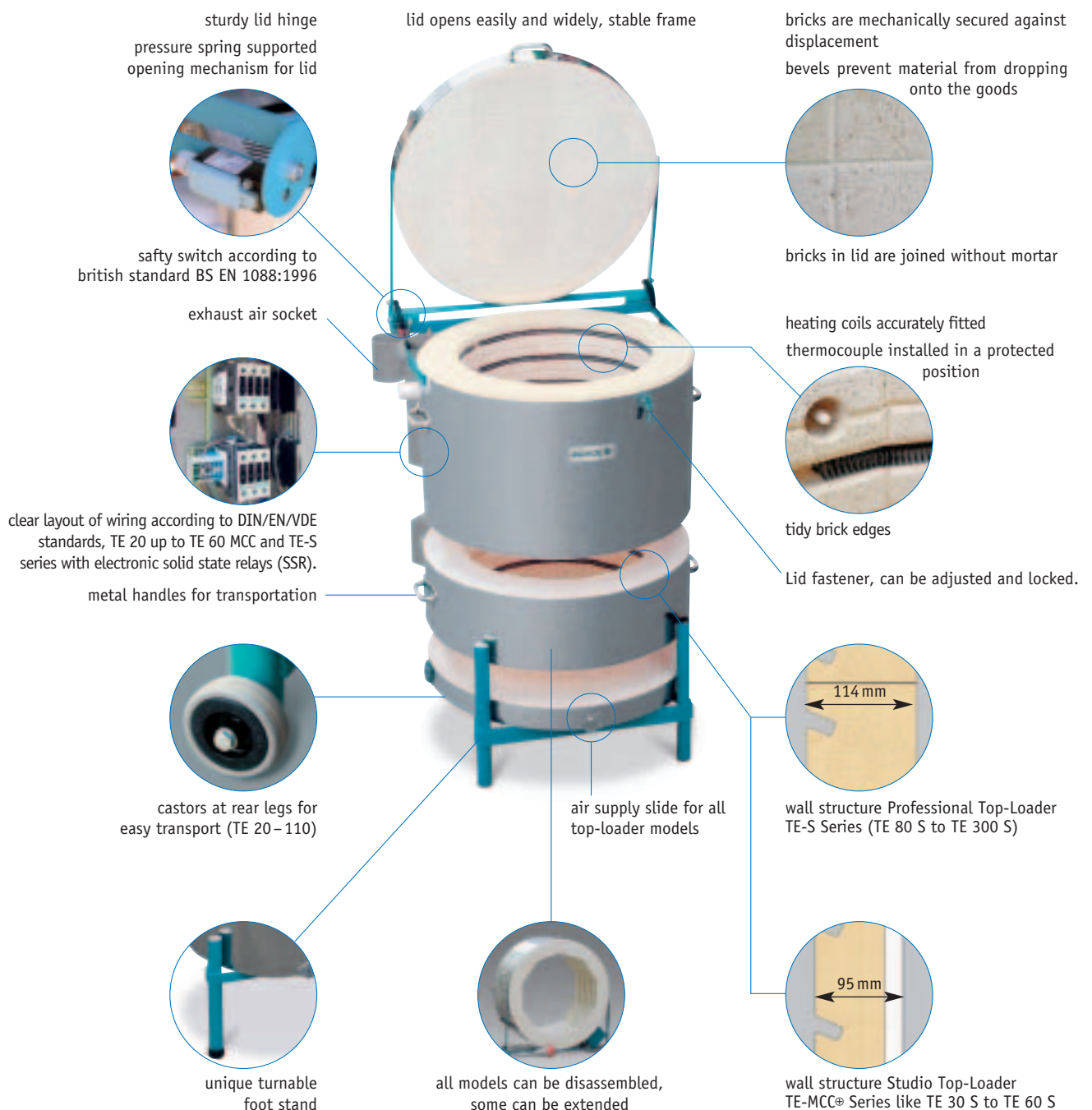
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For more than 25 years **Helmut ROHDE GmbH** has been manufacturing kilns and machinery for the processing and firing of ceramic materials. Within the last few years we have extended our product range by a variety of kilns for all kinds of heat treatment.

Our customers include potteries and ceramics studios, ceramic artists, ceramics schools and universities, public facilities as well as research institutes and industrial manufacturers.

We cater for customers throughout the entire European market. Thanks to our network of qualified retailers we ensure that individual advice and excellent service is provided in any location. This product brochure will give you an overview of the comprehensive product range of top-loaders and hood kilns offered by Helmut Rohde GmbH.

We would especially like to draw your attention to the following features, which you might not take for granted with other manufacturers.





The Toploaders MCC⁺ Series

The MCC⁺ Series is a very versatile and solid studio-kiln model. It is suitable for many different applications from glass processing at 600°C to ceramic pottery at 1250°C.

This kiln series has especially been designed for applications in schools and kindergartens, as well as for artists and hobby potters' workshops, who focus on a temperature range reaching up to 1200°C. Occasional firings of pottery up to 1320°C are possible. Kilns of the TE-S or BT Professional Series are however more suitable for permanent applications within this temperature range.

The MCC⁺ Series offers maximized flexibility and versatility for artistic applications with ceramics and glass. In addition to the extensive equipment and the high-quality workmanship of our top-loaders we would also like to emphasise the following features:

Disassembly

All kiln models can be disassembled for transport into up to four compact pieces. All four parts are equipped with ergonomically designed carrying devices. This means that you will only need two people to move the individual parts to almost any desired location without any problems. Don't worry if you encounter a narrow passage – even the TE 300 requires as little as 55 cm door width.



Extension

Four models in the TE-MCC⁺ Series can be extended at any time by 50% – simply insert a supplementary ring "ZWR".

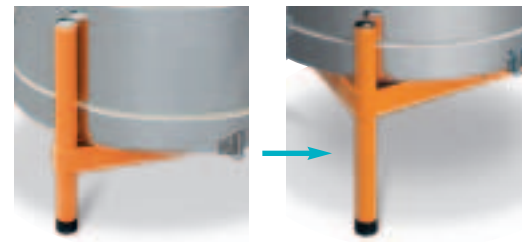


- The TE 75 MCC⁺ to 110 litres volume
- The TE 100 MCC⁺ to 150 litres volume
- The TE 120 MCC⁺ to 180 litres volume
- The TE 200 MCC⁺ to 300 litres volume

Insert the ring, plug in the kiln and continue working with 50% more firing space. **The kiln that grows with your requirements!**

The turnable foot stand

This ROHDE designed foot stand enables you to adjust the top-loader to an improved working height after its safe delivery. It makes charging and emptying the firing chamber less strenuous for your back.



Optional equipment for the TE-MCC[®] Series

The models TE 75, TE 100, TE 120 und TE 200 MCC[®] can be easily equipped with a heated lid* (important for glass processing) – the heating coils are mounted on carrying rods (principle protected by utility patent), which prevents them from being unnecessarily damaged by material dropping down from the lid.

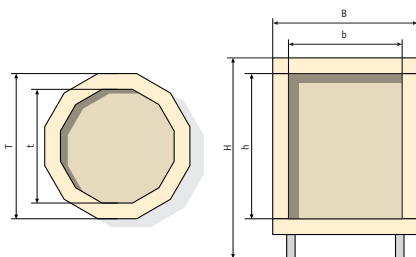
*These kilns can of course be extended, in which case, however, only the lid or the supplementary ring can be operated at a time. The lid can also be upgraded with little time and effort.



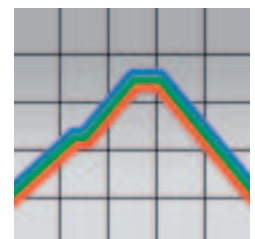
Easy opening and closing of the lid due to pressure springs.



Extensive shelf set, optional for every kiln type.



The multi-zone control ensures highest possible reproducibility.



For further equipment options please consult our current price list.

Model	T _{max} Capacity	°C	Internal Dimensions (mm)			External Dimensions (mm)			Output kW	Supply Required		Wall-socket Plug	Bats mm	Weight Netto kg
			w	d	h	W	D	H		A				
TE 20 MCC [®]	1320	1320	ø 330	230	560	560	520	3,0	13	3 PH+N 400V	Schuko	ø 310	42	
TE 50 MCC [®]	1200	1200	ø 400	380	650	700	725	3,0	13	1 PH+N 230V	Schuko	ø 350	58	
TE 50 MCC [®]	1280	1280	ø 400	380	650	700	725	3,6	16		Schuko	ø 350	70	
TE 60 MCC [®]	1230	1230	ø 400	450	650	700	740	3,6	16		Schuko	ø 350	60	
TE 75 MCC [®]	1320	1320	ø 470	460	720	740	800	6,0	13		CEE 16	ø 420	82	
ZWR 75 MCC [®]			ø 470	230	650	700	230	3,0	-		-	-	20	
TE 110 MCC [®]	1320	1320	ø 470	690	720	740	1030	9,0	13		CEE 16	ø 420	105	
TE 100 MCC [®]	1320	1320	ø 520	460	800	830	800	7,0	15		CEE 16	ø 470	89	
ZWR 100 MCC [®]			ø 520	230	800	830	230	3,5	-		-	-	25	
TE 150 MCC [®]	1320	1320	ø 520	690	800	830	1030	10,5	15		CEE 16	ø 470	109	
TE 130 MCC [®]	1320	1320	ø 590	460	830	880	800	7,3	16		CEE 16	ø 550	106	
ZWR 130 MCC [®]			ø 590	230	830	880	230	3,7	-		-	-	35	
TE 190 MCC [®]	1320	1320	ø 590	690	830	880	1030	11,0	16		CEE 16	ø 550	125	
TE 200 MCC [®]	1320	1320	ø 740	460	1000	1050	800	9,2	20		CEE 32	special	130	
ZWR 200 MCC [®]			ø 740	230	1000	1050	230	4,6	-		-	-	40	
TE 300 MCC [®]	1320	1320	ø 740	690	1000	1050	1030	13,8	20		CEE 32	special	170	

*ZWR = Supplementary ring for extensions

special voltages for all EU networks on request



The Toploaders TE-S Series

The TE-S Series Top-Loaders are high-quality kilns for every-day applications on the professional ceramic shop floor.

We have been improving this kiln series over the last 23 years – it combines state-of-the-art technology with extensive service life.

Many ceramic workshops have already used the flexible upgrading options of a number of models to extend their firing capacities economically.

In addition to the extensive equipment and the high-quality workmanship of the TE-S Top-Loader series, we would like to draw your attention to the following features:

Extension

Four models in the TE-S Series can be extended at any time by 50% – simply insert a supplementary ring “ZWR”.



- The TE 80 S to 100 liters volume
- The TE 95 S to 145 liters volume
- The TE 130 S to 200 liters volume
- The TE 165 S to 250 liters volume

Insert the ring, plug in the kiln and continue working with 50% more firing space. **The kiln that grows with your requirements!**

The turnable foot stand

This ROHDE designed foot stand enables you to adjust the top-loader to an improved working height after its safe delivery.

It makes charging and emptying the firing chamber less strenuous for your back.



Disassembly

All kiln models can be disassembled for transport into up to four compact pieces. This means that you will only need two people to move the individual parts to almost any desired location without any problems. Don't worry if you encounter a narrow passage – even the TE 300 requires as little as 55 cm door width.



New – Electronic Solid State Relays

Performance control is carried out by electronic solid state relays (SSR). SSRs switch silently, and as their switching mechanism is non-mechanical they are virtually wear-free. The necessary cooling of these high-performance parts is carried out in a cooling unit mounted outside the switch box. This prevents additional heat from permeating into the electric control unit – a safeguard for long-lasting and fault-free service.



Optional equipment for the TE-S Series



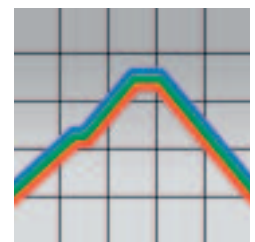
The floor heating provides ideally regulated temperatures, especially in the lower and medium temperature range. All kiln models from TE 80 S and above can be easily upgraded with an optional floor heating.

Extensive shelf set, optional for every kiln type.

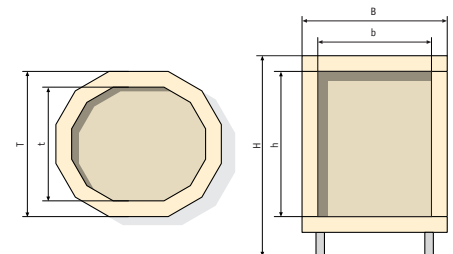


The flexible application in any workshop is facilitated by the sturdy kiln castors, which can also be mounted as an upgrade.

The multi-zone control ensures highest possible reproducibility.



For further equipment options please consult our current price list.



Model	T _{max} °C	Internal Dimensions (mm)			External Dimensions (mm)			Output kW	Supply Required A		Wall-socket Plug	Bats mm	Weight Netto kg
		w	d	h	W	D	H		3 PH+N 400V	1 PH+N 230V			
TE 30 S	1320	ø 400	230	650	700	560	3,6	-	16	Schuko	ø 350	49	
TE 43 S	1320	ø 400	340	650	700	620	3,6	-	16	Schuko	ø 350	59	
TE 50 S	1320	ø 400	380	650	700	740	4,5	6	20	CEE 16	ø 350	64	
TE 60 S	1320	ø 400	450	650	700	740	5,0	11	22	CEE 16	ø 350	68	
TE 80 S	1320	ø 450	460	770	780	780	6,0	13	26	CEE 16	ø 420	99	
ZWR 80 S		ø 450	150	770	780	150	3,0	-	-	-	-	20	
TE 100 S	1320	ø 450	610	770	780	930	9,0	13	40	CEE 16	ø 420	117	
TE 95 S	1320	ø 520	460	850	800	775	7,0	16	31	CEE 16	ø 470	113	
ZWR 95 S		ø 520	230	850	800	230	3,5	-	-	-	-	20	
TE 145 S	1320	ø 520	690	850	800	1000	10,5	16	46	CEE 16	ø 470	142	
TE 130 S	1320	ø 610	460	950	950	770	8,8	19	38	CEE 32	ø 550	130	
ZWR 130 S		ø 610	230	950	950	230	4,4	-	-	-	-	30	
TE 200 S	1320	ø 610	690	950	950	1000	13,2	19	58	CEE 32	ø 550	166	
TE 165 S	1320	730	630	460	1050	950	790	10,0	22	44	CEE 32	special	144
ZWR 165 S		730	630	230	1050	950	230	5,0	-	-	-	30	
TE 250 S	1320	730	630	690	1050	950	1020	15,0	22	-	CEE 32	special	180
TE 300 S	1320	830	630	690	1160	950	1020	15,0	22	-	CEE 32	special	204

*ZWR = Supplementary ring for extensions

special voltages for all EU networks on request

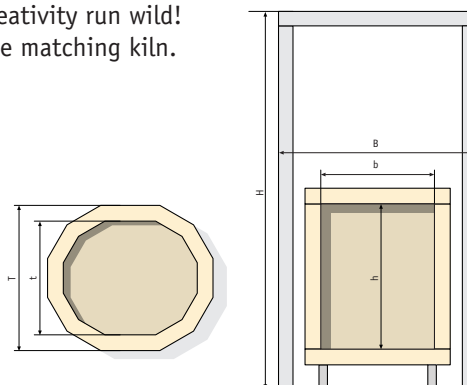
The HE Hood Kiln Series

For us the hood kiln series is the logical result derived from our Top-Loader TE-S series. We have developed this kiln series, because charging the kiln from above is bound to meet its practical limitations at some point.

With this kiln type you do not have to charge the kiln laboriously from the front or from above – the kiln is simply put over the goods from above like a hood. This is ideal for large individual pieces which can be positioned freely on the kiln floor.

This construction has also been designed to make charging the kiln with ceramic crockery a lot less strenuous for your back. The approved and extraordinarily flexible ring system admits almost any shape – from pieces with a diameter up to 1.5 m to kilns with (almost) any internal height.

Let your creativity run wild!
We have the matching kiln.



Standard equipment for HE Series hood kilns



Smooth running winch for safe and easy lifting of the kiln hood.



Locking device secures every position during lifting for absolute safety during operation.



Simply move away the floor with a lifting cart for highest accessibility when charging the kiln with ceramic goods.



All-round heating set into grooved bricks, the recessed thermocouple prevents unnecessary damage.

Special equipment for HE Series hood kilns



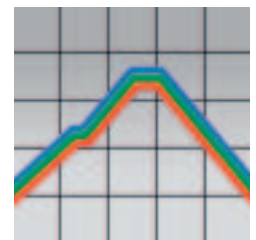
Floor heating for optimal heat distribution.



Hydraulic device for moving the hood facilitates operation.



Kiln floor on rails makes safe charging with large parts possible.



The multi-zone control ensures highest possible reproducibility.

For further equipment options please consult our current price list.

Model	T _{max} °C	Internal Dimensions (mm)			External Dimensions (mm)			Output kW	Supply Required A		Wall-socket Plug	Bats mm	Weight Netto kg
		w	d	h	W	D	H		3PH+N 400V	1PH+N 230V			
HE 200	1320	ø 610 680			920	1200	1800	13	19	-	CEE 32 / 63	ø 550	235
HE 260	1320	ø 610 900			920	1200	2200	18	25	-	CEE 32 / -	ø 550	270
HE 250	1320	630	730	680	950	1250	1800	15	22	-	CEE 32 / -	special	270
HE 330	1320	630	730	900	950	1250	2200	20	29	-	CEE 32 / -	special	310
HE 300	1320	630	830	680	950	1350	1800	17	24	-	CEE 32 / -	special	300
HE 400	1320	630	830	900	950	1350	2200	22	32	-	CEE 32 / -	special	340

special voltages for all EU networks on request



The Quattro TE-Q Series

The Quattro TE-Q series includes 2 designs: 1. The TE-QN and the TE-QS are square top-loaders with heating from four sides recessed into grooved bricks. 2. The models TE 70 QT and QTS are also equipped with heating from four sides, but the heating coils are mounted on carrying rods.

Both series have a high-quality insulation structure with two layers, which is accurately fitted into a very sturdy angular frame. For an appealing design of the frame we use a high-quality industrial lacquer in two colours.

With the help of a good back ventilation in the lid and the use of galvanized sheet metal for the kiln casing the kiln is effectively protected against corrosion.

Further features are the especially elaborate construction of the lid. Opening the lid is particularly easy due to pressure springs – we have used the same principle with our round top-loaders.



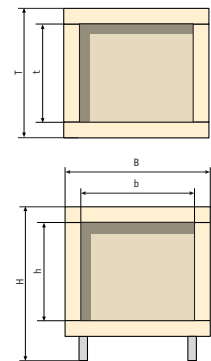
Easy opening and closing with pressure spring.



Exhaust socket for exhaust air release.



Lid fastener, can be adjusted and locked.



Model	T _{max} °C	Internal Dimensions (mm)			External Dimensions (mm)			Output kW	Supply Required A		Wall-socket Plug	Bats mm	Weight Netto kg
		w	d	h	W	D	H		3 PH+N 400V	1 PH+N 230V			
TE 10 Q	1320	230	180	230	430	560	540	2,0	-	9	Schuko	200x150	30
TE 35 Q	1320	380	380	230	620	750	540	3,6	-	16	Schuko	370x340	81
TE 50 QN	1320	380	380	340	620	750	650	3,6	-	16	Schuko	370x340	100
TE 50 QS	1320	380	380	340	620	750	650	5,0	11	22	CEE 16	370x340	100
TE 70 QT	1250	410	410	420	690	800	760	3,6	-	16	Schuko	350x350	145
TE 70 QT-S	1320	410	410	420	690	800	760	6,0	13	26	CEE 16	350x350	150

special voltages for all EU networks on request

The BT Series

Our Toploaders are a kiln solution unique on the German market. The BT series combines the sturdy construction of a front-loading kiln and the firing from five sides with the advantages of a top-loader.

Thanks to the high quality of the insulation and the very even heat distribution this Toploader BT is suitable for workshops in which the kiln has to be charged densely with a great variety of ceramic goods. The excellent overview from above is in these cases very beneficial.

You won't want to swap your Toploader BT for a front-loading kiln!



The excellent workmanship of the brick lid prevents material from dropping onto the goods.



Robust support of the lid by industrial springs.

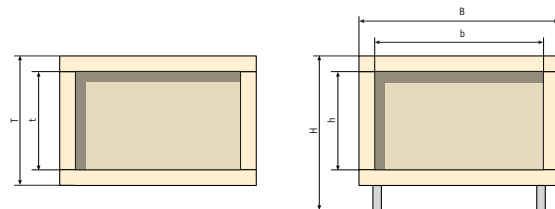


SIC plate floor-covering, robust and heat permeable.



Most of the top-loader options are also available for the BT Series. Don't hesitate to ask us!

You may also order your Toploader BT in modular form for easier transport.



Model	T _{max} °C	Internal Dimensions (mm)			External Dimensions (mm)			Output kW	Supply Required A		Wall-socket Plug	Bats mm	Weight Netto kg
		w	d	h	W	D	H		3 PH+N 400V	1 PH+N 230V			
BT 300	1320	920	570	610	1200	920	1110	15,0	22	-	CEE 63	500x400	400
BT 500	1320	1150	650	690	1430	1000	1190	24,0	35	-	CEE 63	600x500	535

special voltages for all EU networks on request

	TE-MCC [⊕]	TE-S	HE	TE-QN/S	TE-QT	BT
End temperature	*1320°	1320°	1320°	1320°	*1320°	1320°
All-round heating	●	●	●	●	●	●
Floor heating	–	○	○	–	–	●
Lid heating	○	–	–	–	–	–
Electronic semiconductor relay	○	●	○	○	○	○
Heating coils recessed in grooves	●	●	●	●	–	●
Heating coils on carrying rods	–	–	–	–	●	–
Conveniently turnable foot stand	●	●	–	–	–	–
Exhaust air socket	●	●	●	●	●	●
Air supply slide	●	●	●	–	–	–
Can be disassembled for transport	●	●	●	–	–	○
Extension available	●	●	–	–	–	–
3 years guarantee	●	●	●	●	●	●
Safety switch acc. to BS EN 1088:1996	●	●	●	●	●	●
CE conformity	●	●	●	●	●	●
GS safety certificate	●	●	●	●	●	pending
Semiconductor relay	○	○	○	○	○	○
Peephole	○	○	○	○	○	○

● standard equipment ○ optional – not available * restricted for some models

Controllers for Top-Loaders



Controller TC 304

Control unit with clearly structured layout – very easy to operate. For hobby and simple workshop applications, schools, etc.



Controller TC 504

This controller has been especially designed for ROHE GmbH. It impresses with intuitive operation as well as an extensive capability spectrum. Optional equipment.



Controller TC 507

This controller is outstanding with regards to greatest possible capability spectrum for almost any application. Optional equipment.

Your specialised retailer:

For more information please consult your retailer, visit our website or contact us directly.

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