

# LORCH TIG Welding Machine

Manufactured and tested according to DIN EN 60974-1 with CE mark, S-Symbol and IP 23



Model	HandyTIG 180 DC	T 180 DC or AC/DC	T 220 DC or AC/DC	T 250 DC or AC/DC	T 300 DC or AC/DC
<b>Welding Range (A)</b>	5 – 180	3 – 180	3 – 220	5 – 250	5 – 300
<b>Welding TIG</b>	1.0 – 3.2	1.0 – 3.2	1.0 – 3.2	1.0 – 4.0	1.0 – 4.0
<b>Welding Electrode</b>	1.5 – 4.0	1.5 – 4.0	1.5 – 4.0	1.5 – 5.0	1.5 – 5.0
<b>Mains Voltage (V)</b>	1 – 230	1 – 230	1 – 230	3 – 400	3 – 400
<b>Mains Tolerance</b>	+15 % / -25 %	+15 % / -25 %	+15 % / -25 %	+15 % / -25 %	+15 % / -25 %
<b>Duty Cycle 100%</b>	130	130	160	175	200
<b>Duty Cycle 60%</b>	150	150	180	200	250
<b>Duty Cycle I Max</b>	30 %	35 %	40 %	35 %	35 %
<b>Dimensions (mm)</b>	337 x 130 x 211	480 x 185 x 326	480 x 185 x 326	480 x 185 x 326	480 x 185 x 326
<b>Net Weight (Kg)</b>	6.5	12.1	13.3	16	16



HandyTIG 180



T 180 T 250  
T 200 T 300



V 24 Mobile  
V 30 Mobile



V 24 V 40  
V 27 V 50  
V 30

Model	V 24 Mobile DC or AC/DC	V 30 Mobile DC or AC/DC	V 24 DC or AC/DC	V 27 DC or AC/DC	V 30 DC or AC/DC	V 40 DC or AC/DC	V 50 DC or AC/DC
<b>Welding Range (A)</b>	3 – 240	3 – 300	3 – 240	3 – 270	3 – 300	3 – 400	3 – 500
<b>Welding TIG</b>	1.0 – 3.2	1.0 – 3.2	1.0 – 3.2	1.0 – 3.2	1.0 – 4.0	1.0 – 4.0	1.0 – 4.0
<b>Welding Electrode</b>	1.5 – 4.0	1.5 – 4.0	1.5 – 4.0	1.5 – 4.0	1.5 – 6.0	1.5 – 6.0	1.5 – 6.0
<b>Mains Voltage (V)</b>	3 – 400	3 – 400	3 – 400	3 – 400	3 – 400	3 – 400	3 – 400
<b>Mains Tolerance</b>	+ / -15 %	+ / -15 %	+ / -15 %	+ / -15 %	+ / -15 %	+ / -15 %	+ / -15 %
<b>Duty Cycle 100%</b>	220 / 190	270 / 240	220 / 210	250	250	360	380
<b>Duty Cycle 60%</b>	240 / 220	300 / 280	240 / 230	270	300	400	500
<b>Duty Cycle I Max</b>	60 % / 50 %	60 % / 50 %	60 % / 50 %	60 %	60 %	60 %	60 %
<b>Dimensions (mm)</b>	812 x 283 x 518	812 x 283 x 518	1130 x 450 x 815	1130 x 450 x 815	1130 x 450 x 815	1130 x 450 x 860	1130 x 450 x 860
<b>Net Weight (Kg)</b>	29.4 / 35.1	31 / 37	84.6 / 90.5	85 / 92	86.4 / 93.6	107.6 / 121.5	108.7 / 123.2

## Features

- Outstanding TIG Weld Characteristics with complete professional TIG functionality
- **Tiptronic** job memory for up to 100 welding tasks
- **Pulse and fast pulse** function for welding of thin plates; fast pulse up to 2 kHz
- **Automatic final current reduction** (downslope) for a perfect weld end
- **Secondary current**, prevents failure during over-heating of the workpiece
- Available as gas or water cooled
- With manual metal arc welding function

