

# Ignis

## 150/180

A stable arc even with long grid leads or voltage fluctuations is a reality with the Ignis 150/180. The robust welding system always provides a perfect result, even with unstable grids, generator-powered operation, or over a wide operating radius.

This makes the Ignis the perfect companion, especially on construction sites, for repair and maintenance work in industry and agriculture, as well as in private workshops.



### Reliable in all situations

- Mobile and robust
- Full power even with long grid leads
- Easy and user-friendly operation

### Impressive features

- HotStart / SoftStart / Anti-stick
- MMA Pulse
- Multilock
- Tracking Arc
- Remote control operation
- TIG function
- TIG Comfort Stop
- TIG Pulse (with TIG variant)
- TAC tacking function (with TIG variant)
- TIG Multi Connector (with TIG variant)
- Time shutdown (300s / 900s / off)

### XT variant (only for Ignis 180)

- 120-230 V -20%/+15%
- Easy replacement of mains cable/plug through Fronius Power Plug



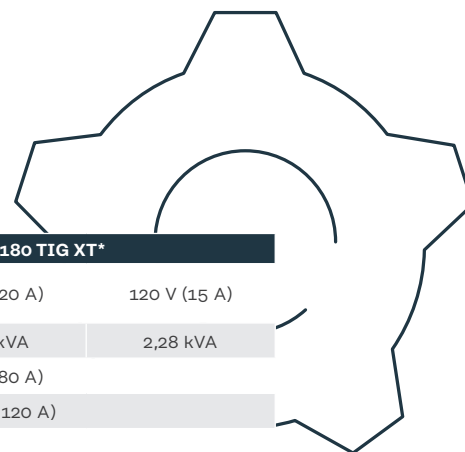
### Intuitive controls, wide range of settings

- Press-and-turn button (can also be used when wearing gloves)
- Various welding processes: MMA, CEL, TIG
- Set values: Arc-force dynamic, welding current, HotStart/SoftStart, Pulse



# Technical data

At only 6.5 kg (Ignis 150) and 8.8 kg (Ignis 180), both models are truly lightweight and thus also suitable for mobile use. The robust construction of the devices as well as the integrated stainless steel filter provide reliable protection even in demanding outdoor applications or volatile weather conditions.



|                                                               | Ignis 150/150 TIG                                     | Ignis 180/180 TIG                                      | Ignis 180 XT*/180 TIG XT*                              |                                                        |                                                        |
|---------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| Welding current<br>-20 %/+15 %, 50/60 Hz                      | 230 V                                                 |                                                        | 230 V                                                  | 120 V (20 A)                                           | 120 V (15 A)                                           |
| Power consumption                                             | 5,52 kVA                                              | 5,75 kVA                                               | 5,75 kVA                                               | 3,48 kVA                                               | 2,28 kVA                                               |
| Cos phi                                                       | 0,99 (150 A)                                          | 0,99 (180 A)                                           |                                                        | 0,99 (180 A)                                           |                                                        |
| Efficiency                                                    | 88 % (at 90 A)                                        | 89 % (at 120 A)                                        | 89 % (at 120 A)                                        |                                                        |                                                        |
| Welding current range<br>Electrode<br>TIG                     | 10 – 150 A                                            | 10 – 180 A<br>10 – 220 A                               | 10 – 180 A<br>10 – 220 A                               | 10 – 120 A<br>10 – 170 A                               | 10 – 85 A<br>10 – 140 A                                |
| Electrode/welding<br>current range at<br>10 min/40°C (104° F) | 150 A (35 % ED)<br>110 A (60 % ED)<br>90 A (100 % ED) | 180 A (40 % ED)<br>150 A (60 % ED)<br>120 A (100 % ED) | 180 A (40 % ED)<br>150 A (60 % ED)<br>120 A (100 % ED) | 120 A (40 % ED)<br>100 A (60 % ED)<br>90 A (100 % ED)  | 120 A (40 % ED)<br>100 A (60 % ED)<br>90 A (100 % ED)  |
| TIG/welding current<br>range at 10 min/40°C<br>(104° F)       | 150 A (35 % ED)<br>110 A (60 % ED)<br>90 A (100 % ED) | 220 A (40 % ED)<br>150 A (60 % ED)<br>120 A (100 % ED) | 220 A (40 % ED)<br>160 A (60 % ED)<br>130 A (100 % ED) | 170 A (40 % ED)<br>130 A (60 % ED)<br>100 A (100 % ED) | 140 A (40 % ED)<br>110 A (60 % ED)<br>100 A (100 % ED) |
| Open-circuit voltage                                          | 96 V                                                  | 101 V                                                  |                                                        |                                                        |                                                        |
| Working voltage<br>Electrode<br>TIG                           | 20,4 – 26,0 V<br>10,4 – 16,0 V                        | 20,4 – 27,2 V<br>10,4 – 18,8 V                         |                                                        |                                                        |                                                        |
| Degree of protection                                          | IP 23                                                 |                                                        |                                                        |                                                        |                                                        |
| Dimensions l/w/h                                              | 365/130/285 mm<br>14,4/5,1/11,2 in.                   |                                                        | 435/160/310 mm<br>17,1/6,3/12,2 in.                    |                                                        |                                                        |
| Weight                                                        | 6,5 kg<br>14,33 lb.                                   | 8,8 kg<br>19,4 lb.                                     |                                                        |                                                        |                                                        |

\*XT former MV  
(Multivoltage)