

As flexible as your work

With up to 240 optimised characteristics that have been specially developed for the requirements of steel construction, the Fortis series impresses with its reliable welding performance. In addition to steel, this MIG/MAG welding machine also masters materials such as aluminium and stainless steel effortlessly, especially in combination with the pulsed arc.

Fortis 270–500

One device, countless possibilities

- Compact welding machines up to 500 A
- Retrofitting of water cooling for 320, 400, 500 A versions possible at any time
- Split versions with external wirefeeder for an extended operating radius
- Duo variant: compact welding machines starting at 320 A can be combined with an additional wirefeeder
- One user interface for all variants

Your benefits

- Reliable and powerful
- Intuitive, modern, digital User Interface (with welding parameter wizard)
- Multiprocess (standard on the Fortis 270/320 Compact, optional on the Fortis 400/500 Compact)
- Connectivity (Wifi, Bluetooth, NFC optional)
- WeldCube Air, WeldCube Premium and WeldCube Navigator
- Multiple variants (Compact, Split, Duo, XT)
- Intuitive operation (carrying handles, storage compartment, display protection, optimum working height)



Welding parameter wizard

The welding parameter wizard supports the welding specialist by recommending the ideal parameter settings for upcoming welding jobs.

All key welding parameters at a glance

Our clear, digital user interface allows you to keep a constant eye on the most important welding parameters. Fast process changes, more than 30 system languages to choose from, and customisable parameter settings are just a few of the highlights that make these devices extremely easy and intuitive to use.



Technical data

	Fortis 270 C /G	Fortis 320 C /G	Fortis 320 C /GW	Fortis 320 /GW	Fortis 400 C /GW	Fortis 400 /GW	Fortis 500 C /GW	Fortis 500 /GW
Weight	36 kg 79.3 lb	36 kg 79.3 lb	42.5 kg 93.7 lb	40.1 kg 88.4 lbs	42.5 kg 93.7 lb	40.1 kg 88.4 lbs	42.5 kg 93.7 lb	40.1 kg 88.4 lbs
Dimensions l x w x h	681 x 367 x 555 mm 26.8 x 14.4 x 21.9 in.				681 x 367 x 783 mm 26.8 x 14.4 x 30.8 in.			
Mains frequency					50/60 Hz			
Mains voltage					3 x 400 V			
Mains voltage tolerance					+/- 10 %			
40 % duty cycle [10 min / 40 °C]	270 A		320 A		400 A		500 A	
60 % duty cycle [10 min / 40 °C]	250 A		260 A		360 A		430 A	
100 % duty cycle [10 min / 40 °C]	210 A		240 A		320 A		360 A	
Welding current range								
MIG/MAG	3–270 A	3–320 A	3–320 A	3–400 A	3–400 A	3–500 A	3–500 A	
TIG	3–270 A	3–320 A	–	3–400 A	–	3–500 A	–	
MMA	10–270 A	10–320 A	–	10–400 A	–	10–500 A	–	
Multiprocess	standard	standard	–	optional	–	optional	–	
Open circuit voltage				max. 107 V				
Working voltage range								
MIG/MAG	14.2–27.5 V	14.2–30.0 V	14.2–30.0 V	14.2–34.0 V	14.2–34.0 V	14.2–39.0 V	14.2–39.0 V	
TIG	10.1–20.8 V	10.1–22.8 V	–	10.1–26.0 V	–	10.1–22.8 V	–	
MMA	20.4–30.8 V	20.4–32.8 V	–	20.4–36.0 V	–	20.4–32.8 V	–	
Multiprocess	standard	standard	–	optional	–	optional	–	
Wire speed		1–25 m/min 40–980 ipm		1–25 m/min 40–980 ipm		1–25 m/min 40–980 ipm		
Wirefeeder		4-roller drive		4-roller drive		4-roller drive		
Wire diameter		0.6–1.6 mm 0.023–0.06 in.		0.8–1.6 mm 0.03–0.06 in.		0.8–1.6 mm 0.03–0.06 in.		
Protection class				IP23				
Mark of conformity				CE, S, UKCA				