Technical specs & further technical information.

Technical Specs	TECFEED 250i	TECFEED 350i & 450i
Amps rating -60% duty cycle	250 amps	350 amps or 450 amps for 450 model
Welding wire dia	0.8-1.2mm	0.8-1.6mm (-2.4mm for 450)
Wire drive system	2 roll geared	4 roll drive
Input volts	20-110V DC	20-110V DC
Weld volts range	15-28V	15-33V
Wire speed range	2-22M/min	2-22M/min
IP protection *	IP54	IP54
Approx weight	9kg	10kg (12kg 450)

*IP54 protection is achieved for up to 8 hours with door closed, shielding gas connected & MIG torch fitted, this allows use outdoors in rain & splashing water etc. (Continuous rating is IP52)

Note; Compact model is not available in 450 A rating.

Approx size (standard models 210w, 560l, 420h mm) (compact models 170w, 460l, 360h)

Further information – CC vs CV power sources;

For the very best MIG welding performance a CV (constant voltage output) is preferred. With CV a perfect arc condition as you would expect from any good workshop MIG can be achieved permitting welding from very thin sheet material up to structual steel fabrication. Many of the more expensive engine driven power sources have CC/CV output which is the perfect solution.

However, more popular power sources tend to have only CC output designed mainly for MMA stick electrode welding. For use as a MIG welder these power sources have some limitations at lower power particuarly in dip transfer mode. The worst case is trying to MIG weld thin materials in dip transfer with a large diameter MIG wire, this can result in an unstable arc condition. If the CC power source is fitted with 'ARC FORCE' control this can improve the arc condition to be almost as good as as a CV power source. Also reducing the wire diameter helps arc stability at low power. At increased welding power, globular & spray transfer superb MIG welding results are achieved with a CC power source.