

The FLEX 280 A CEL is an extremely versatile MMA Inverter welding machine capable of working on both single phase (110V & 240V) and 3 phase (415V) power supplies. The unit automatically manages the input power supply to produce a high quality arc condition. The robust build and IP23 protection rating makes it ideal for outside work in tough conditions.

High performance

- High duty cycle makes it ideal for industry applications.
- Capable of welding 1.6mm to 5mm electrodes.
- Features Secondary Regulation to maintain a stable arc.

Easy to set-up

- Switch from MMA to TIG by just pressing one button.
- Quick & precise adjustment of the welding current with two buttons.
- TIG lift : automatic arc release.
- Can be used with Tungsten electrodes from \varnothing 1.6 to 2.4 mm.
- MMA Pulse : Developed for pipe welding as well as vertical up welding.

CEL Cellulosic

- The FLEX 280 CEL has an open circuit voltage of 100V (cellulosic electrodes require an open circuit voltage of 90V).
- The high penetration given by this type of electrode makes it suitable for use in a number of applications including pipe welding and ship building.

AD Anti-dust ventilation corridor

- Allows cooling air to pass through the machine without coming into contact with the electronic circuit boards, protecting them from premature failure.
- Ideal for use in industrial environments.



- Delivered without accessories
- Optional remote control - 8m (ref.045675)
- Optional foot pedal (ref. 045682)

TECHNOLOGIES

Inverter - This technology enables:



- Better duty cycle for reduced electrical consumption
- Automatic adjustment of the welding current to maintain a stable and precise arc.

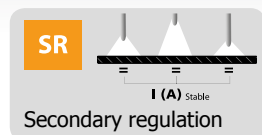
Hot Start : Increased power for easy striking.

Arc Force : Maintains the arc whilst compensating for an "unsteady hand".

Antisticking : Prevents electrodes sticking to the work piece.

FEATURES

FLEX = $1\phi \rightarrow 3\phi$
110V → 480V






Flexible - Adjustable to the power supply required :

- Automatic voltage detection
 - ⇒ Single phase DV 85 to 300V for an output up to 220A
 - ⇒ Three phase 300 to 480V for an output up to 250A
- One machine suitable to any electrical network

Secondary regulation - Regardless of the input voltage and changes in distance between the electrode and the metal, the machine ensures a stable arc for optimum quality.

IP 23

- The machine protection level is IP23, which means :
 - Protection against access to dangerous parts from solid bodies of a ≥ 12.5 mm diameter and,
 - Protection against the rain inclined at 60% towards the vertical.
- These devices can be used outside in accordance with the IP23 protection index.

50/60hz	ϕ	-AM-	Techno				 						EN60974-1 (40°C)			U ₀	cm/kg	 Protected & compatible POWER GENERATOR (+/- 15%)
			SR	ADS	AD	CEL	\varnothing 1,6	\varnothing 2	\varnothing 2,5	\varnothing 3,2	\varnothing 4	\varnothing 5	I _A (60%)	I ₂ (100%)	X% (I ₂ max)			
110-180V	1	32										115A	90A	140A (30%)	100V	26x47x43 23	12.5 kVA	
180-300V		25	✓	✓	✓	✓	62	50	47	45	38	38	180A	150A				200A (40%)
300-480V	3	16										200A	170A	280A (25%)				