

Dedicated for professionals with high standards, the PROGYS 220E FV CEL offers a wide choice of cellulosic, rutile and basic electrodes.. It is also equipped with the TIG lift (DC) welding process, which provides the most beautifully finished welds on thin sheets from 1 to 5 mm. Powerful and robust, the PROGYS 220E FV CEL pushes the limits of welding.

## MMA & MMA Pulse function

Versatile thanks to its Standard and Pulse operating modes:

- **MMA** : basic electrodes, rutile and cellulosic (up to Ø 5 mm).
- **MMA Pulse** : ideal for vertical-up welding.

**MMA welding supports :**

- ✓ Anti-sticking
- ✓ Adjustable Hot Start
- ✓ Arc Force Adjustable

## TIG Lift & TIG Lift Pulse function

- **TIG Lift** : DC refractory electrodes.
- **TIG Lift Pulse** : limits the melting temperature and allows the welding of 0.3 mm thick.

**TIG welding supports :**

- ✓ TIG Lift priming
- ✓ Automatic arc fading

## INTUITIVE & EFFICIENT

- **V/I display** during and after welding (calculation of welding energy).
- **Memorization** of 10 programs per process.
- **Remote control** (optional).
- **High productivity** thanks to its high duty cycle (160A @ 60%).

## USER PROTECTION

- **VRD** (Voltage Reduction Device) can be activated to lower the no-load output voltage < 35V.
- **Keyboard lockable** to prevent operating errors.

## ROBUST & COMPACT

- **IP23 class** for outdoor use (construction sites).
- Reinforced structure & non slip rubber pads.
- Easily transportable.
- Ventilation tunnel against chip pollution.

## HIGH-TECH POWER SUPPLY

- FV** **Flexible Voltage Hose** (85 to 265V), accepts very long network connections (100 m).
- PFC** **PFC technology**, the electrical network is better exploited and allows an energy saving of 30%.

## ACCESSORIES (options)



KIT MMA N°4  
(200 A / 25 mm<sup>2</sup> / CM50.21)  
047402



Torch TIG valve SR17V - 4 m  
(connexion 35/50 - G1/4)  
044401



Manual remote control  
RC-HA1 - 8 m (MMA/TIG)  
045675



EXATIG  
013780



NOMADFEED 425-4 CC/CV  
036291



Ref. 014657  
Delivered without accessories



The settings can be accessed directly using the knob:

### Primary setting

- current (MMA, TIG)

### Secondary setting

- Arcforce (MMA)
- Hot start (MMA)

50/60hz	-AM-	I <sub>2</sub> TIG / MMA	EN60974-1 (40°C)							U <sub>0</sub>	35/50	cm/kg	Protected & compatible POWER GENERATOR (+/- 15%)
			Ø 1.6	Ø 2	Ø 2.5	Ø 3.2	Ø 4	Ø 5	I <sub>A</sub> (60%)				
230 V 1~	16 A 20 A	5 - 220 A	62	50	47	45	38	30	145 A	22 %	80 V	40.5x34x21.5 / 12	10 kW 12.5 kVA
110 V 1~	32 A								5 - 140 A	160 A			
									100 A	30 %			