

# LIGHT DUTY MIG COMPOSITES

## Tradesmig 280-3



### **The Tradesmig 280-3 is a three phase, step controlled MIG/MAG welding power source with built in wire feed unit.**

With a reputation for quality and reliability second to none in the light duty MIG market, the performance of the Tradesmig is enhanced by a "Power Smoothing Device™", giving excellent welding performance with CO<sub>2</sub> and mixed gases.

A Murex Tradesmig is designed for the quality, reliability and performance conscious user, a professional machine which will provide professional results. If you are serious about your MIG welding, you'll choose a Murex Tradesmig.

All Murex Tradesmigs are step-controlled MIG welding power sources with integral fully enclosed wire feed units. They are designed for welding steel, stainless steel, aluminium and they can also be used for MIG brazing. The Tradesmig 280-3 can use wires ranging from 0.6mm to 1.2mm in diameter depending on the machine selected.

The units are equipped with multi step voltage control switches and potentiometers for wire feed adjustment and easy setting of the welding parameters. All four machines are fan cooled and equipped with thermal overload protection.

- Fully professional welding performance
- Sturdy, robust undergear will support even the heaviest 70kg gas cylinders
- Superb welding characteristics with both Argon rich 100% CO<sub>2</sub> gases
- Voltage control via 10 voltage steps
- Optional digital meter available
- Euroconnection for Murex MXE torch
- Separate work return cable
- Adjustable spot weld and burn back timer

## Technical Specification

Tradesmig 280-3	
<b>Mains Voltage</b>	400-415V, 3~50/60Hz
<b>Permissible load at</b>	
100% duty cycle	150A
60% duty cycle	190A
35% duty cycle	250A
<b>Setting range (DC)</b>	40A/16, 0V-280A/26, 5V
<b>Open circuit voltage</b>	15.0-37.0V
<b>Open circuit power</b>	340W
<b>Power factor at max load</b>	0.97
<b>Control voltage</b>	42V, 50/60Hz
<b>Wire feed speed</b>	1, 0-17m/min
<b>Burnback time</b>	0-0.25s
<b>Spot welding</b>	0.2-2.5s
<b>Welding gun connection</b>	EURO
<b>Wire dimension range</b>	0.6-1.2 (FE, SS) 1.0-1.2 (Al) 0.8-1.2 (cored)
<b>Max diameter/weight of wire bobin</b>	300mm / 15kg
<b>Dimensions L x W x H</b>	860 x 420 x 730mm
<b>Weight</b>	82kg
<b>Operating temperature</b>	-10 to +40°C
<b>Enclosure class</b>	IP23
<b>Application class</b>	S

## Ordering Information

Description	Part No
<b>Tradesmig 280-3 Package</b>	<b>0701416534</b>
<b>Comprises:-</b>	
Tradesmig 280-3 Power Source	0349308070
MXE 25-30 MIG torch 3m lead	0701415790
Saffire 300 series	
1ec Arc 35L regulator	0701282684

## Optional Extras

Description	Part No
Digital metre kit	0349302598
3.5m Work Return Lead	0701409320

## Typical areas of application

Repair & maintenance, garages, body shops, agricultural engineers, sheet metalwork & general fabrication.

## NOTE:

**The Tradesmig Power source is supplied with:**

3.5m return cable with return clamp.  
Gas cylinder shelf (fitted with 2 screws).  
Instruction manual.

