

CIGWELD

AN ESAB BRAND

BLUEVENOM XF186

P/N: W1400186

PACKAGE INCLUDES

- BLUEVENOM XF186 POWER SOURCE
- TWISTLOCK ELECTRODE HOLDER, 3m LEAD
- ARGON GAS HOSE, 2m
- MIG GUN WITH EURO CONNECTION, 3m
- FEED ROLLS: 0.8/0.9mm V GROOVE (FITTED), 0.8/0.9mm GASLESS - KNURLED
- GAS REGULATOR/FLOWMETER
- NYLON INLET GUIDE FOR SOFT WIRES
- 300A WORK CLAMP, 3m LEAD
- OPERATING MANUAL



ORDERING DETAILS



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670181-01-023

CIGWELD BlueVENOM XF186 V1-2023
CIGWELD Pty Ltd An ESAB Brand.
www.cigweld.com.au



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MULTI PROCESS WELDING INVERTER



MIG

STICK

LIFT TIG-DC

PLATE THICKNESS



CONTROL



SYNERGIC 3-IN-1 WELDING INVERTER WITH MIG PLATE THICKNESS SELECTION



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CIGWELD.COM.AU

In the interest of continuous improvements, CIGWELD Pty Ltd ABN 56 007 226 815 (An ESAB Brand) reserves the right to change specifications or design on any of its products without prior notice.

186A
POWER

SYNERGIC
MIG

QUICKSET
PLATE THICKNESS CONTROL

10A (230/240V)
PLUG 'N WELD

2 YEAR
WARRANTY



SMALLER, LIGHTER, YET MORE POWER

The BlueVENOM XF186 is loaded with Xtra Functions that pack a serious sting to get the job done!

30% smaller than some other machines in its class and lighter in weight at only 10.0kg's - BlueVENOM is here - ready to release your inner Welditude™!

This Synergic 3-in-1 predator takes the guesswork out of welding with its pre-defined MIG QuickSet plate thickness selection

settings - simply select your gas (if you're using it), wire diameter and your plate thickness - then arc away!

With a simplistic, no frills control panel, and glove-friendly easy-press buttons, the XF186 is a 10 Amp 'Plug n' Weld' unit delivering refined arc characteristics through its 'Opti-Start' arc technology.

Are you ready to harness the power!

EXTENDED WARRANTY
6 MONTHS
 REGISTER ONLINE
 CIGWELD.COM.AU

WARRANTY PERIOD

2-Year conditional warranty. See terms and conditions at cigweld.com.au or in the Operating Manual, included with the machine.

CAN YOU HARNESS THE POWER?

A USER FRIENDLY INTERFACE WITH EASY PRESS BUTTONS DESIGNED WHEN WEARING WELDING GLOVES.

CHOOSE GAS TYPE

ARGON for Aluminium & SilBronze. MIX Gas for Welding Steels & Stainless. GASLESS for using Gasless MIG Wires.

TRIGGER MODE SELECTION

2T for standard On/Off MIG/TIG mode. 4T for locking on the trigger for long runs - cruise control for welding!

SELECT YOUR WELDING PROCESS

MIG/TIG/MMA (Stick)

ADVANCED & BACKGROUND SETTINGS

Toggle through features and background settings including; Inductance, Burnback, OptiStart (independent Soft and Hard Start) in MIG Modes plus Hot Start and Arc Force in STICK Mode.

EURO GUN CONNECTIVITY

Equipped with a EURO Connection allowing for multiple MIG gun options.

ERGONOMIC & ROBUST CARRY HANDLE

LED METERS

The BLUEVENOM XF186 is equipped with Bright Blue meters offering clear readouts of your welding parameters, both indoors and outdoors.

WIRE DIAMETER SELECTION

Choose Wire sizes; 0.6mm, 0.8mm, 0.9mm, 1.0mm and MAN (Manual) MIG Mode for welding. Wire size selection is not applicable in MAN Mode.

WIRE INCH & GAS PURGE

Easy access Wire Inch and Gas Purge functions at the tip of your fingers.

1-PRESS CONTROL KNOB

User friendly, simple screen navigation.

8-PIN SOCKET

For add-on connections like Spool Gun, TIG Torch and Foot Control.

BLUEVENOM XF186 MULTIPROCESS CONNECTIVITY

- MIG GUN:** For welding Mild Steel, Stainless Steel, Aluminium and Bronze.
- SPOOL GUN:** (Sold Separately): For greater precision welding of Aluminium, Stainless Steel and Bronze.
- ELECTRODE HOLDER:** For welding Mild Steel, Stainless Steel, Cast Iron and dissimilar metals.
- TIG TORCH (LIFT-TIG & DIAL REMOTE):** (Sold Separately) For welding any commercial metal (excluding aluminium alloys).
- FOOT CONTROL:** (Sold Separately) For remote adjustment of welding current on TIG mode.

FEATURES

- MIG (GMAW / FCAW): 185A @ 9%**
0.6-1.0mm: Solid MIG wires & 0.8-0.9mm gasless MIG wires 0.9-1.2mm: Aluminium MIG wires 0.8-0.9mm: Stainless Steel MIG wires.
- STICK (MMAW): 160A @ 10%**
Power source is suitable for 2.0mm, 2.5mm, 3.2mm and 4.0mm electrode sizes.
- DC LIFT TIG: 186A @ 10%**
This unit features a Lift TIG function that provides smooth starting and running characteristics across a broad range of applications.
- Plate Thickness Control (QuickSet)**
Reduce setup time. MIG Welding parameters are automatically set based on wire diameter, material type and plate thickness.
- Up to 10mm Plate Thickness**
Power source is suitable to weld a maximum plate thickness of up to 10mm.
- Spool Gun Compatible**
Compatible with SGT-250 Spool Gun in Manual Mode.
- Easy Access Gas Purge Button**
Easy access Gas Purge button on front display enables user to purge shielding gas through MIG Gun.
- Easy Access Wire Inch Button**
Easy access Wire Inch button on front display enables user to feed wire without wasting shielding gas.
- Adjustable Burnback Control**
Adjusts stick-out and prevents wire from burning back.
- Opti-Start**
Adjustable Soft & Hard start for optimum arc starting characteristics.
- WIRE DRIVE SYSTEM**
2x Roll All-Driven Wire Drive system for smoother and effortless feedability.

TECHNICAL SPECIFICATIONS

Power Supply (Voltage):	Single-Phase 230V/240V +/-10%	160 Amps @ 10%
Australian Standard:	AS 60974.1:2020	65 Amps @ 60%
Frequency Hertz:	50/60Hz	50 Amps @ 100%
Supply Lead and Plug supplied:	10 Amp Plug	186 Amps @ 10%
Generator Rating:	10 kVA (at 0.8 Power Factor) at Max Amps	76 Amps @ 60%
Amperage Range (MIG):	30 - 186A	59 Amps @ 100%
Voltage Range:	10.0 - 26.0V	
	185 Amps @ 9%	
MIG (GMAW) Duty Cycle @ 40°C, 10 minutes:	72 Amps @ 60%	
	56 Amps @ 100%	
STICK (MMAW) Duty Cycle @ 40°C, 10 minutes:		
DC LIFT TIG (GTAW) Duty Cycle @ 40°C, 10 minutes:		
Nominal DC Open Circuit Voltage in MIG Mode:	52V	
Open Circuit Voltage (VRD On) STICK Mode:	<35V	
Weight of Power Source:	10kg	
Power Source Dimensions (mm):	L: 465 x W: 190 x H: 340	
Weight of Full Package:	17kg	
Full Package Dimensions (mm):	L: 530 x W: 295 x H: 345	
Protection Class:	IP21S	