

# RUFFIAN EMP 270G EDW

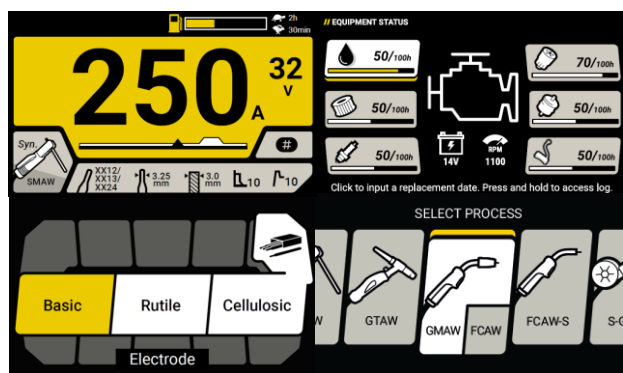
Igniting power, fusing innovation



Ruffian EMP 270G EDW

## Industries

- Agricultural Equipment
- Civil Construction
- Equipment Rentals
- Offshore Oil
- Pipeline
- Repair and Maintenance
- Training Schools
- Backup or supplementary power



Advanced and intuitive user interface.

The Ruffian EMP 270G is the next generation of ESAB engine driven welders. A lightweight, compact and powerful combination of generator and multiprocess welder. This Ruffian comes with a unique inverter full of features to bring welding quality to the next level. Delivers up to 270A with 100% duty cycle and its integrated generator can deliver up to 11kW throughout 120VAC and 240VAC auxiliary outlets, thanks to the reliable 23.5HP Kohler® gasoline engine.

Ruffian is equipped with a tough 7 in. TFT colorful digital display, which not only allows user to easily select welding parameters through intuitive menus but also precisely selects optimized settings to deliver the best welds when synergic mode is on.

Strong focus on simplified usage and maintenance. The user has full visibility of each component and precise information about parts replacement timing, to extend the overall equipment lifespan.

For MIG welding, it has been designed to work with either spool guns or the external ESAB RobustFeed wire feeders, sold separately.

- Advanced control over arc parameters for multiple processes with synergic mode
- Delivers 270A at 100% duty cycle
- 7 in. TFT digital display, with large, high contrast numbers easily readable from a distance
- Trusted CH730 Kohler® 23.5 HP gasoline engine with exceptional power and reliability
- Independent auxiliary generator output from the welding current, allowing simultaneous use of electrical tools and even other welders or plasma cutters
- Multiple receptacles available: four 120VAC 20A (GFCI), one 240VAC 50A (6-50R) and one 120V/240V 50A (hybrid), all protected by circuit breakers and rubber covers
- Reduced footprint, perfect for mounting on service trucks
- RobustFeed AVS compatible
- Tested in the harshest environments to meet the highest global standards
- 3-year warranty by ESAB on welder/generator and 3-year warranty by Kohler on engine

Visit [esab.com](http://esab.com) for more information.

# RUFFIAN EMP 270G EDW

Specifications	
<b>Welding Machine Specifications</b>	
Technology	Inverter
Welding processes	Stick / TIG / MIG / Flux Cored / Gouging
Output Setting Range Stick (SMAW) / Gouging (CAC-A) TIG (GTAW) MIG (GMAW) / Flux Cored (FCAW / FCAW-S)	20 - 265 A (20.8 - 30.4 V) 20 - 270 A (10.8 - 20.8 V) 30 - 270 A (13.0 - 30.0 V)
Rated Duty Cycle Stick (SMAW) / Gouging (CAC-A) TIG (GTAW) MIG (GMAW) / Flux Cored (FCAW / FCAW-S)	235A/29.4V @ 100% 270A/20.8V @ 100% 260A/27.0V @ 100%
Open Circuit Voltage (OCV)	94 V (VRD OFF) 10 V (VRD ON)
Operating Temperature	-10 to +40°C (+14 to +104°F)
<b>Generator Specifications</b>	
Phases	1 $\Phi$
Voltages	120/240 VAC
Frequency	60 Hz
Peak Power	11 kW
Continuous Power	10.5 kW
<b>Engine Specifications</b>	
Brand, Model, and Warranty	Kohler, Command PRO CH730, 3-year warranty by manufacturer
Power	23.5 HP
Fuel Type	Gasoline
Cooling Type	Air
Cylinders	2
Speeds Run speed (bare crankshaft) Rating speed (full load) Idle speed (bare crankshaft)	3750 RPM / 62.5 hz 3600 RPM / 60.0 hz 2650 RPM / 44.2 hz
<b>General Specifications</b>	
Fuel Tank Capacity	43 l (11 gal)
Fuel consumption Run full load Run no load Idle	5.9 l/h (1.6 gal/h) ~7h full tank 3.3 l/h (0.9 gal/h) ~13h full tank 1.7 l/h (0.5 gal/h) ~25h full tank
Enclosure Class	IP23S
Dimensions L x W x H *	955.3 x 505.0 x 836.2 mm (37.6 x 19.9 x 32.9 in.)
Weight	192.8 kg (425.0 lbs)

\*Without exhaust and lifting eye, height is 690.9 mm (27.2 in.)

# RUFFIAN EMP 270G EDW

## Ordering Information

ESAB Ruffian EMP 270G EDW

0707070270

## Wire Feeders

RobustFeed AVS Tweco (incl. gas flow meter)

0446700883

## Torches

Spray Master 350 Air Cooled MIG Gun (350 A, 1/16, 10 ft, Tweco)

1036-1610

Spray Master 350 Air Cooled MIG Gun (350 A, 1/16, 12 ft, Tweco)

1036-1613

Spray Master 350 Air Cooled MIG Gun (350 A, 1/16, 15 ft, Tweco)

1036-1615

Tweco Flux Cored SEFC MIG Gun 350 A 3 m (10 ft)

1031-1642

Tweco Flux Cored SEFC MIG Gun 350 A 4.6 m (15 ft)

1031-1643

Tweco Spool Gun 250, OKC50 8pin 12.5 ft

10271494

Tweco Spool Gun 250, OKC50 8pin 25 ft

10271495

Heliarc SR-26V TIG Torch, Air-cooled with Gas-valve, 4.0 mm (5/32 in.), 3.8 m (12.5 ft) cable

0700026624

Heliarc SR-26V TIG Torch, Air-cooled with Gas-Valve, 4.0 mm (5/32 in.), 7.6 m (25 ft) cable

0700026625

Arcair K4000 Air Carbon-Arc Gouging Torch & Cable  
(1000 A , up to 13 mm (1/2 in.) round- and 16 mm (5/8 in.) flat electrodes)

61082008

## Optional Accessories

TwecoTong A-732 Electrode Holder (300 A, 2/0 MAX, thru 7/32)

9110-1103

Tweco GC-300 Ground Clamp (300 A, thru 3/0) Copper Alloy, Clamshell

9205-1130

MMA 4 Analog Remote Control incl. 10 m (33 ft) cable and 8-pin connector

0700500084

50 mm (2 in.) Dinse Cable Connector Male (Pkg 2)

9425-1431

50 mm (2 in.) Dinse Cable Connector Female (Pkg 2)

9425-1432

Tweco TIG Foot Control 5 m (15 ft), 8-pin connector

W4014450

Victor HRF 1425-580, Regulator/Flowmeter, for Ar/CO2

0781-2743

Victor GRF400-320 Flowmeter Regulator for CO2

0781-2703

Gas hose with 5/8 in. 18 RH fittings, 3 m (10 ft)

W4013900



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