Rustler EM PRO Compact

Thoughtfully designed MIG and Stick welding inverter



Rustler EM 350C / 350Cw PRO Pulse

Industry

- Industrial and General Fabrication
- Structural Steel Fabrication
- Steel Erectors
- Steel Service Centres
- Repair and Maintenance
- Agricultural Equipment

Rustler MIG PRO compact welding inverters are your solution of choice for the most common welding challenges. Equipped with the latest inverter technology, they combine low energy consumption with optimized welding performance.

Rustler is ready to weld most common base materials with optimized arc programs for carbon steel, stainless steel, aluminium, brazing and flux-cored wires. Smooth wire feed is delivered by a robust and reliable 4WD feeding mechanism. The synergic model allows operation by setting the material thickness to achieve perfectly balanced welding parameters, allowing even less experienced welders to produce optimal welds.

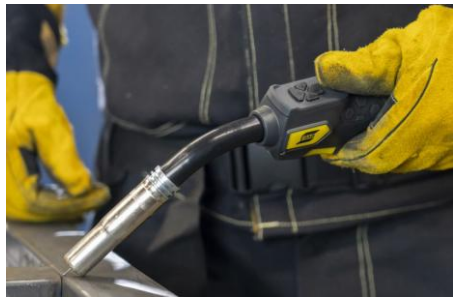
The reliable housing is further enhanced with a flexible accessories storage system, allowing users to store and protect additional tools as needed. Additional features include inspection window, internally lit-up compartment, torch holder and cable management for an efficient and comfortable working environment.

- Produce more with a high output current and duty cycle
- Intuitive panel with direct access to job settings reduces adjustment times
- Durable housing with flexible accessories storage makes machine an easy to move workstation
- Inspection window and light in the compartment for better visibility and less downtime
- Superb arc characteristics, optimized for most common base materials results in less post-weld rework
- Premium 4WD (Ø 38 mm) feeding mechanism for stable performance and long parts life
- Built-in MMA welding mode gives flexibility to weld different types of base materials
- MIG Pulse mode available for specific models

Visit **esab.com** for more information.



Best in class wire feeding mechanism



Exeor MIG Torch with remote control



Optional top toolbox for accessories

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Specifications				
Model	**Rustler EM 280C PRO**	**Rustler EM 350C PRO**	**Rustler EM 350 PRO Synergic/Pulse**	**Rustler EM 350Cw PRO Synergic/Pulse (Water cooled)**
Mains Voltage	400 V ± 15%, 3Φ, 50/60 Hz			
Primary Current I_{MAX}	14.0 A	20.6 A	20.6 A	20 A
Primary Current I_{eff}	9 A	13 A	13 A	13 A
Idle Power	< 30 W	< 30 W	< 30 W	< 40 W
Mains Cable	4x2,5mm², 4m	4x2,5mm², 4m	4x2,5mm², 4m	4x2,5mm², 4m
Supply Plug	CEE16	CEE16	CEE16	CEE16
Rated kVA	9.7 kVA	14.0 kVA	14.0 kVA	14.0 kVA
Recommended Generator	12 kW	17 kW	17 kW	17 kW
MIG/MAG Welding Output 40% Duty Cycle	280A/28V	350 A/31.5 V	350 A/31.5 V	350 A/31.5 V
Current Range, MIG/MAG	40-280 A	30-350 A	30-350 A	30-350 A
Voltage Range, MIG/MAG	16-28 V	15.5-31.5 V	15.5-31.5 V	15.5-31.5 V
Open Circuit Voltage, MIG/MAG	65.0 VDC	71.0 VDC	71.0 VDC	71.0 VDC
MMA Welding Output 40% Duty Cycle	250A/30 V	320 A/32.8 V	320 A/32.8 V	320 A/32.8 V
Current Range, MMA	20-250 A	20-320 A	20-320 A	20-320 A
Voltage Range, MMA	20.8-30 V	20.8-32.8 V	20.8-32.8 V	20.8-32.8 V
Open Circuit Voltage, MMA	63.0 VDC	66.6 VDC	66.6 VDC	66.6 VDC
Power Factor at Max Current	0.9	0.9	0.9	0.8
Efficiency at Max Current	90%	89%	89%	85%
Wire Feed Speed Range	1.5 – 22 m/min			
Maximum Plate Thickness	Mild Steel: 0.6 – 13 mm Aluminum: 1.2 – 10 mm Stainless: 1.0 – 10 mm			
Wire Diameter Range: Mild Steel Stainless Steel Aluminum Flux Cored	 0.8 – 1.2 mm 0.8 – 1.2 mm 0.8 – 1.2 mm 0.8 – 1.2 mm			
Wire Spool Size	200 mm and 300 mm			
Approvals	CE / UKCA			
Enclosure Class	IP23			
Operating Temperature	-10 to +40 °C (+14 to +104 °F)			
Power Source Dimensions	977×487×800mm	977×487×800mm	977×487×800mm	977x487x1230mm
Power Source Weight	54 kg	57.5 kg	61 kg	80 kg
Cooling Power	1 kW			
Cooling Volume	1.8 l			
Maximum Flow	1.9 l/min			
Maximum Pressure	4.5 bar			

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Ordering Information		
Description	**Power source**	**Power source + Toolbox + Torch**
Rustler EM 280C PRO	0448280990	0448280880
Rustler EM 350C PRO	0448350991	0448350881
Rustler EM 350C PRO Synergic	0448350992	0448350882
Rustler EM 350C PRO Synergic Pulse	0448350995	0448350885
Rustler EM 350Cw PRO Synergic	0448350994	0448350884
Rustler EM 350Cw PRO Synergic Pulse	0448350996	0448350886

Delivery includes: Power source with 4 m input cable 3 Ph 16A/32A plug, 3 m work lead, gas hose with quick connector 4 m, drive rolls for 0.9/1.0 and 1.2 mm wire. Package 280C/350C includes Exeor PSF 315 torch with R4, 4 m, 350Cw includes Exeor PSF 420w torch with R4, 4 m.

Options & Accessories	
Description	**Part Number**
Exeor MIG 315 R4 Torch, 3 m	0700026150
Exeor MIG 315 R4 Torch, 4 m	0700026151
Exeor MIG 315 R4 Torch, 5 m	0700026152
Exeor PSF 420w R4 Torch, 3 m	0700026186
Exeor PSF 420w R4 Torch, 4 m	0700026187
Exeor PSF 420w R4 Torch, 5 m	0700026188
Electrode holder kit, Handy 300, OKC 50, 3 m	0700006902
Electrode holder kit, Handy 300, OKC 50, 5 m	0700006888
Return cable kit, 35 mm2, OKC 50, 3 m	0700006903
Return cable kit, 50 mm2, OKC 50, 5 m	0700006893
Top Storage Toolbox	0448156880
User Interface Protective Cover	0448157880
CO2 heater KIT	0700401024
Gas hose with quick connect fittings, 4 m	0349312105
Hose Extension Kit	0448479880
Quick Connector Marathon Pac	F102440880
Coolant liquid 10 l.	0465720002

Wear Parts - Exeor	
Description	**Part Number**
Tip Adapter M6 (40.6 mm)	0366394001
Tip Adapter M8 Cu (31.6 mm)	0460819001
Tip Adapter M8 Brass (31.6 mm)	0700025851
Gas Nozzle Standard (Ø 16 mm) PSF 315/420w	0458464882
Gas Nozzle Conical (Ø 14 mm) PSF 315/420w	0458465882
Gas Nozzle Straight (Ø 19 mm) PSF 315/420w	0458470882
Steel Liner 1.0 – 1.2, Red, 5 m	0700025801
Steel Liner HD 0.9 – 1.2, Red, 5 m	0700025824
PTFE Liner 1.0 – 1.2, Red, 5 m	0700025812
PA/Bronze Liner 1.2 – 1.6, Anthracite 5 m	0700025821
Exeor R4 Module	0700026118

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Wear Parts			
Description	**Groove / Side 1**	**Groove / Side 2**	**Part Number**
Feed Roller V-Groove for Fe/SS/Cored Wire			
Feed Roller V Groove	0.6 mm	0.8 mm	0445850001
Feed Roller V Groove	0.8 mm	0.9 / 1.0 mm	0445850002
Feed Roller V Groove	0.9 / 1.0 mm	0.9 / 1.0 mm	0445850003
Feed Roller V Groove*	0.9 / 1.0 mm	1.2 mm	0445850004
Feed Roller V Groove	1.2 mm	1.2 mm	0445850005
Feed Roller V-Groove for Cored Wire			
Feed Roller V-K Groove	0.9 / 1.0 mm	1.2 mm	0445850030
Feed Roller V-K Groove	1.2 mm	1.2 mm	0445850031
Feed Roller V-K Groove	1.2 mm	1.4 mm	0445850032
Feed Roller U-Groove for Aluminium Wire			
Feed Roller U Groove	0.8 mm	1.0 mm	0445850050
Feed Roller U Groove	1.0 mm	1.2 mm	0445850051
Feed Roller U Groove	1.2 mm	1.6 mm	0445850052
Wire Guide	**Inlet Nozzle**	**Middle Nozzle**	**Outlet Nozzle**
Outlet Wire Guide for Fe/SS/C 0.6–1.6 mm	0445822001	0446080882	0445830881
Outlet Wire Guide for Al 0.8–1.6 mm	0445822001	0446080881	0445830885

For complete list of wear and spare parts please see separate manual. ** Included in delivery.*

Feature	Rustler PRO	Rustler PRO Synergic	Rustler PRO Pulse
MIG Manual	x	x	x
MIG Synergic		x	x
MIG Pulse			x
Spot Welding	x	x	x
MMA-mode	x	x	x
2T/4T	x	x	x
Inductance	x	x	x
Pre Flow	x	x	x
Creep Start	x	x	x
Burn-back	x	x	x
Crater Fill	x	x	x
Post Flow	x	x	x
Fix Quick Jobs	x	x	x
WFS, Amperage or Thickness display		x	x
Hot Start			x

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