



TIG COMPACT Renegade ET 300iP

TIG COMPACT PULSE



STEP 1

Powersource Selection

Technical Information	
Input voltage	3ph 230-480V +/- 10%, 50/60Hz 1ph 230V +/- 10%, 50/60Hz
Setting range MMA (SMAW)	5A / 20V - 300A / 32V - 3ph, 230-480V 5A / 20V - 200A / 28V - 1ph, 230V
Setting range TIG (GTAW)	5A / 10V - 300A / 22V - 3ph, 230-480V 5A / 10V - 200A / 18V - 1ph, 230V
Open circuit Voltage U ₀ max	48 V / 48 V, 3ph/1ph
Open circuit Voltage U ₀ max, VRD activated	34 V / 34 V, 3ph/1ph
Efficiency MMA @ Max Current	86% / 86%, 3ph/1ph
Efficiency TIG @ Max Current	83% / 83%, 3ph/1ph
Power factor MMA @ Max current	0,96 / 0,98 , 3ph/1ph
Power factor TIG @ Max current	0,96 / 0,99, 3ph/1ph
Permissible load MMA (SMAW) 3ph	300A / 32V @ 40% 250A / 30V @ 60% 200A / 28V @ 100%
Permissible load MMA (SMAW) 1ph	200 A / 28,0 V @100%
Permissible load TIG (GTAW) 3ph	300A / 22V @ 60% 250A / 20V @ 100%
Permissible load TIG (GTAW) 1ph	200 A / 18,0 V @100%
Supply plug and mains cable	CEE 16A, 4x 2,5mm ² main cable
No Load Power in energy saving mode	
U _n 230V	63W / 20W ¹ 3ph - 74W / 22 ¹ 1ph
U _n 400V	68W / 22W ¹ 3ph
U _n 480V	72W / 27W ¹ 3ph
Fuse type C MCB	3ph 1ph
Supply Voltage	230V 380V 400V 415V 480V 230V
Fuse amperage	25A 16A 16A 16A 16A 32A
Recommended Generator power	20 kW
Operating temperature	- 10° + 40° C
Enclosure class	IP23
Insulation class, transformer	F
Application class	S
Dimension L x W x H	460 x 200 x 320 mm
Weight without cooler	16,8 kg
Weight with cooler	26,6 kg
Approvals	CE, ECODesign

Part Number	Contents
0445100920	3m mains cable and plug, 5 m return cable and clamp, 2m gas

Panel Functions

Method selection: TIG HF, LiftArc, MMA	Dual current mode
Pulse /high frequency Pulse	Foot pedal compatible
2T-4T trigger functionality	Remote control compatible
Adjustable pre-flow/post flow	Adjustable Hot Start
Adjustable slope up/slope down	Adjustable Arc Force

1) From Serial number 239 xxx xxxx

STEP 2

Cooling Unit Selection

Optional, if you select, include a water cooled torch

Product Family	Product Name	Part Number	Cooling Power	Max Water Flow	Coolant Quantity	Max Pressure Lift for Torch Qmax
Cooling unit	EC1000	0445045880	0.9 kW	1.8 l/min	1.5 l	4.5 bar (65 psi)








STEP 3











Torch Selection

Cooling	Handle	Duty cycle	Tungsten diameter	Head	Item number 4 m	Item number 8 m	Item name
Air	Small	170 A DC @35%	0,5 - 2,4 mm	Regular	0700026220	0700026221	Exeor tig SR 17
Air	Small	170 A DC @35%	0,5 - 2,4 mm	Flex	0700026222	0700026223	Exeor tig SR 17 FX
Water	Small	340 A DC @ 100%	0,5 - 3,2 mm	Regular	0700026290	0700026291	Exeor tig SR 21
Water	Small	340 A DC @ 100%	0,5 - 3,2 mm	Flex	0700026292	0700026293	Exeor tig SR 21 FX
Water	Large	320 A DC @ 100%	0,5 - 4,0 mm	Regular	0700026280	0700026281	Exeor tig SR 18
Water	Large	320 A DC @ 100%	0,5 - 4,0 mm	Flex	0700026282	0700026283	Exeor tig SR 18 FX
Water	Large	450 A DC @ 100%	1,0 - 4,8 mm	Regular	0700026310	0700026311	Exeor tig SR 400

STEP 4

Accessories Information

Product Name	Part No.	
Shoulder strap kit	0445197880	
Trolley	0460330881	
Welding cable kit 3 m, including electrode holder and OKC 50 connector	0700006902	
Welding cable kit 5 meter, incl. electrode holder and OKC 50 connector	0700006888	
Return cable kit 3 meter, incl. clamp and OKC 50 connector	0700006903	
Return cable kit 5 meter, incl. clamp and OKC 50 connector	0700006889	
OKC 50 male contact	0160360881	

Product Name	Part No.	
ER 1 F foot pedal. 5 m (16.4 ft) interconnection cable, 6 pin, included	0445550881	
ER 1 F foot pedal. 10 m (32.8 ft) interconnection cable, 6 pin, included	0445550882	
Interconnection cable, 6 pin, 5 m (16.4 ft) Interconnection cable, 6 pin, 10 m (32.8 ft)	0445254880 0445254881	
1 to 3 phase adapter Note! Only for use with Renegade ES 300i (0445100880), ET 300i (0445100 900) and ET 300iP (0445100 920)	0445139880	
Renegade analogue remote kit	0445840880	
Remote Control MMA3, 10 m	0445870880	
Remote Control MMA3, 25 m	0445870881	
Interconnection cable for analogue remote control MMA3, 10 m	0445693880	
Interconnection cable for analogue remote control MMA3, 25 m	0445693881	
Interconnection cable for analogue remote controls AT1 and AT1 C/F, 10 m	0445694880	
1 Interconnection cable for analogue remote controls AT1 and AT1 C/F, 25 m	0445694881	