



MMA COMPACT Renegade ES 300i



Part Number	Contents
0445100880	Renegade ES 300i delivered with only 3 m main cable
0445250880	Renegade ES 300i delivered with shoulder strap, 3 m main, 5 m welding and ground cable

Panel Functions

Method selection: MMA, Live TIG	Current/volt set/measure
3 memory position	VRD indicator
Cellulosic electrode selector	Overheating indicator
Remote control on/off	Setting knob

STEP 1

Powersource Selection

Technical Information	
Input voltage	3ph 230-480V +/- 10%, 50/60Hz 1ph 230V +/- 10%, 50/60Hz ¹
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 _o max	48 V / 48 V, 3ph/1ph
Open circuit Voltage U _o max, VRD activated	32V ² , 34V ² / 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	74W ² / 22W ³ 1ph
U _n 480V	72W ² / 27W ³ 3ph
Fuse type C MCB	3ph
	1ph
Supply Voltage	230V 380V 400V 415V 480V 230V
Fuse amperage	20A 16A 16A 16A 16A 35A
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	15,0 kg
Approvals	CE, ECODesign

¹: 1 phase available from serial 725 xxx xxxx








²: available from serial 725 xxx xxxx









³: available from serial 239 xxx xxxx

⁴: available from serial 239 xxx xxxx

Continued overleaf

STEP 2
Accessories Information

Product Name	Part No.	
Shoulder strap kit	0445197880	
Trolley	0460330881	
Welding cable kit 3m, 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.	
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	

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