

TIG AC/DC TIG 4300

Part Number	0460100880
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STEP 1

Powersource Selection

Technical Information	
Input voltage	400 V +/- 10%, 3ph 50Hz
Voltage/Current range TIG AC/DC	4 - 430 A
Voltage/Current range MMA	16 - 430 A
Open circuit Voltage U0 Max	83V No VRD in rating plate
	60V UOL Live Tig, VRD deactivated
	60V MMA, VRD deactivated
	<35V VRD function activated
Efficiency TIG @ Max Current	76%
Efficiency MMA @ Max Current	80%
Power factor TIG @ Max current	0.89
Power factor MMA @ Max current	0.89
Permissible load TIG (GTAW)	430A / 27,2V @30%
	350A / 24,0V @ 60%
	315A / 22,6V @ 100%
Permissible load MMA (SMAW)	430A / 37,2V @ 30%
	330A / 33,2V @ 60%
	300A / 32,0V @ 100%
No-load power in energy saving mode, 6,5 min after welding	75 W
Continual sound pressure at no load	<70db (A)
Anti surge fuse	20A (TIG and MMA)
Fuse type C MCB	20A (TIG), 25A (MMA)
Operating temperature	- 10° + 40° C (+14° to +104° F)
Enclosure class	IP23
Insulation class, transformer	H
Application class	S
Dimension L x W x H	625 x 394 x 776mm
Weight	95 kg
Approvals	CE, ECODesign

PANEL FUNCTIONS

Method selection: TIG HF, TIG Lift Arc, MMA	TIG DC and AC main settings	TIG DC Pulse main settings	TIG AC main settings	MMA
Tig Selection: DC, DC Pulse, AC	Pre/Post Gas	Pulse current	Balance setting	Hot Stat, Arc Force,
MMA Selection: DC -, DC+, AC	Slope UP /DOWN	Pulse time	Frequency setting	Arc PlusI for basic electrodes
Selection 2T/4T	Changing trigger data	Background current	Electrode pre heating	Arc Plus II for rutile and cellulosic
VRD	Current	Background time		Drop welding

COOLING UNIT

Embedded, no need for additional order.

Product family	Product name	Cooling power	Max water flow
Cooling unit	n.a.	2,0 kW	2,0 l/Min

STEP 2

Trolley

Product Name	Part No.	
Trolley For TIG 4300	0458530881	

STEP 3




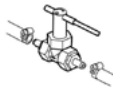



Torches Selection

Cooling	Handle	Duty cycle	Tungsten diameter	Head	Item number 4 m	Item number 8 m	Item name
Water	Small	340 A DC @ 100% 240 A AC @ 100%	0,5 - 3,2 mm	Regular	0700026290	0700026291	Exeor tig SR 21
Water	Small	340 A DC @ 100% 240 A AC @ 100%	0,5 - 3,2 mm	Flex	0700026292	0700026293	Exeor tig SR 21 FX
Water	Large	320 A DC @ 100% 225 A AC @ 100%	0,5 - 4,0 mm	Regular	0700026280	0700026281	Exeor tig SR 18
Water	Large	320 A DC @ 100% 225 A AC @ 100%	0,5 - 4,0 mm	Flex	0700026282	0700026283	Exeor tig SR 18 FX
Water	Large	450 A DC @ 100% 315 A AC @ 100%	1,0 - 4,8 mm	Regular	0700026310	0700026311	Exeor tig SR 400
Water	Large	450 A DC @ 100% 315 A AC @ 100%	1,0 - 4,8 mm	Regular	0700025575	0700025576	Exeor tig SR 400 - Remote*

*Adapter kit 0459491912 is required for Remote functionality of EXEOR SR 400 torches.

STEP 4

Accessories Information

Product Name	Part No.		Product Name	Part No.	
3 Remote control unit AT1 CAN MMA and TIG: current	0459491883		1 - Filter 2 - Front grille	1 - 0458398001 2 - 0458398001	
Remote control unit AT1 CF CAN MMA and TIG: rough and fine setting of current.	0459491884		Water flow guard 0.7 l/min (0.17 gpm)	0456855880	
T1 Foot CAN - Foot control unit Including 5 m (16.4 ft) cable	0460315880		ESAB ready mixed coolant Use of any other cooling liquid than the prescribed one might damage the equipment. In case of such damage, all warranty undertakings from ESAB cease to apply.	0465720002	
Remote cable CAN 4 pole - 12 pole 5 m (16.4 ft) 10 m (32.8 ft) 15 m (49.2 ft) 25 m (82.0 ft) 0.25 m (0.82 ft)	0459554880 0459554881 0459554882 0459554883 0459554884		RA T1 - adapter kit for EXEOR tig torches with remote. * Recommended use of interconnection cable 0459554884	0459491912*	
Return cable 5 m 70 mm2 (16.4 ft)	0700006895	