

MultiMaster[®] 300

Ready-to-use welding packages



The MultiMaster 300 is an industrial ready-to-weld, multi-process package. ESAB's Advanced SuperSwitch™ technology makes welding a breeze. The MultiMaster's output pre-set control with two digital meters makes for quick setup. It features DC welding output from 15 to 300 amps, and is rated at 40% duty cycle. Heavy-duty, four-drive roll stand comes with v groove drive rolls for wires .035 in. (0.9 mm) and .045 in. (1.2 mm) diameter.

The machine comes packed with a multitude of convenient features, such as a 250-amp torch, a large-capacity, built-in toolbox, an AutoFan®, and a dual "easy-on" cylinder tray. The MultiMaster 300 can also be configured to run with a Marathon Pak®



Features

- + Advanced SuperSwitch technology
- + DC welding output from 15 to 300 amps; rated at 40% duty cycle
- + Variable inductance control
- + Output pre-set control with two digital meters for quick setup
- + 250-amp torch for wires .035 in. (0.9 mm) and .045 in. (1.2 mm) diameter
- + Heavy-duty, four-drive roll stand with v groove drive rolls
- + Convenient built-in toolbox
- + Dual "easy-on" cylinder tray
- + Compatible with the Marathon Pak
- + AutoFan®

Applications

- + General fabrication and civil construction
- + Repair and maintenance
- + Power generation
- + Agriculture
- + Automotive
- + Pipe welding

Technical data

Rated DCCV or DCCC output (10 min base)	
40% duty cycle (NEMA Class 1)	300 A @ 32 vdc
Output current range: MIG/Fluxcore (GMAW/FCAW)	35-300 A
Output current range: TIG (GTAW)	10-300 A
Output current range: Stick (SMAW)	40-300 A
Open circuit voltage: MIG/Fluxcore (GMAW/FCAW)	70 vdc
Open circuit voltage: TIG (GTAW)	20 vdc
Open circuit voltage: Stick (SMAW)	70 vdc
Primary input voltage and current @ 300 A rated load 208/230 VAC, 60 Hz, 1 ph	66/60 A
Wire feed range	65-675 in./min (1.6-17.3 m/min)
Shipping weight	300 lbs (136 kg)
Dimensions L x W x H	39.5 x 25.3 x 33.5 in. (1000 x 640 x 850 mm)

Ordering information

MultiMaster 300 CVCC packages include power source with built-in four roll wire feeder with .035-.045 (0.9 mm-1.2 mm) v groove feed rolls, factory installed undercarriage and dual-cylinder rack, 250-amp NAS MIG torch, contact tips of .025-.045 (0.9 mm-1.2 mm), regulator/flowmeter AR CO₂, 6 ft. (1.8 m) gas hose, electrode holder and NEMA 6-50 P plug, 15 ft. (4.5 m) work cable and clamp, 10 ft. (3 m) primary input cable (208-230 model only), MIG welding handbook, 10 lb (4.5 kg) spool of .035 (0.9 mm) 87 HP steel wire, and a sample assortment of stick electrodes.

MultiMaster 300 with 250-amp NAS torch

208/230 VAC, 1 phase, 50/60 Hz 0558 101 410

230-575 VAC, 1 phase, 50/60 Hz0558 101 411

MultiMaster 300 with 250-amp NAS torch and 25 ft. (7.6 m) HW-17vTL TIG torch

Also includes: 25 ft. (7.6 m) HW-17v-2TL Heliarc® TIG torch, Heliarc torch accessory kit, 30 ft. (9.1 m) FC-5C foot control, remote control panel, 15 ft. (4.5 m) electrode cable and holder, R33-FM 580 flowmeter/regulator, TIG welding handbook.

208/230 VAC, 1 phase, 50/60 Hz 0558 101 412

230-575 VAC, 1 phase, 50/60 Hz 0558 101 413



Wire data

Wire Diameter	Description	Roll	Qty.	Outlet Guide NAS Models	Qty.	Center Guide	Qty.	Inlet Guide	Qty.
.023 in. (0.6 mm)	V-Solid	21155	2	0558 001 499	1	0558 001 757	1	0558 001 758	1
.030 in. (0.8 mm)	V-Solid	21155	2	0558 001 499	1	0558 001 757	1	0558 001 758	1
.035 in. (0.9 mm)*	V-Solid	21156	2	0558 001 498	1	0558 001 757	1	0558 001 758	1
.045 in. (1.2 mm)*	V-Solid	21156	2	0558 001 498	1	0558 001 757	1	0558 001 758	1
.030 in. (0.8 mm)	K-Cored	21160	2	0558 001 499	1	0558 001 757	1	0558 001 758	1
.035 in. (0.9 mm)	K-Cored	21160	2	0558 001 498	1	0558 001 757	1	0558 001 758	1
.045 in. (1.2 mm)*	K-Cored	21161*	2	0558 001 498	1	0558 001 757	1	0558 001 758*	1
.052 in. (1.4 mm)	K-Cored	21161*	2	0558 001 497	1	0558 001 757	1	0558 001 758*	1
1/16 in. (1.6 mm)	K-Cored	21161*	2	0558 001 497	1	0558 001 757	1	0558 001 758*	1

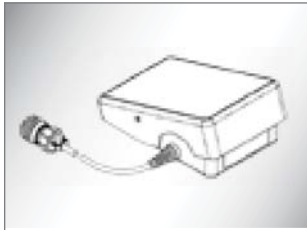
*As delivered



Accessories

**Pre-Flow/Post-Flow/
Spot/Burnback Module**
0558 002 889

Remote Control Module
0558 002 605



**FC-5C Foot Control –
30 ft. (9.1 m) Cable**
0558 004 234

Provides remote current control and connector (on/off) control; requires remote control module.

**TC-2B Thumb Control –
25 ft. (7.6 m)**
33839

Provides remote current control and connector (on/off) control; requires remote control module.



Spool Gun Module
0558 002 606



MT-250SG Spool Gun
36779

Requires spool gun module.



ST-23A Spool Gun
19164

Requires adapter 37301 and spool gun module.



Pulse Module Option
0558 002 604



**HW-17V-2TL (w/valve)
Heliarc TIG Torch**
60 deg.

12.5 ft. (3.8 m) # 35857

25 ft. (7.6 m) # 35856

TIG weld without disconnecting the MIG torch.

**HW-17 Torch
Accessory Kit**
999126

**Work Cable and
Clamp – 15 ft. (4.5 m)**
35881



**Electrode Holder
Assembly – 300 A,
15 ft. (4.5 m)**
21226

Includes holder, cable, and quick connector.

**Primary Extension Cord
– 50 A, 25 ft. (7.6 m)**
37833

TIG Welding Handbook
781F29

MIG Welding Handbook
791F18

Gas Meter
19043

Measures gas flow at the gun.



**Quick Connector
MarathonPac™**
0558 002 354

Fits QCA 899F50; refer to Marathon Pak brochures for cap and conduit selections.



Accessories (cont)

50 mm OKC Connectors

Quick-acting twist-lock connectors for attaching output power cables or torches to power source:

Male for 1/0 to 4/0 cable
1379 2513

Female for 1/0 to 4/0 cable
1373 5631

Male for #2 AWG to 1/0 cable
1373 3936

Female for #2 AWG to 1/0 cable
1373 5632

Quick connector with 1/2 in. (12.7 mm) threaded stud
1373 5501

Tee connector – 1 male, 2 female
1379 2804

TIG/Stick Sets

Includes 15 ft. (4.5m) electrode holder, 12.5 ft. (3.8m) or 25 ft. (7.6m) HW-17V-2TL torch, torch accessory kit, remote control module, TC-2B thumb control, and TIG Handbook.

TIG/stick set 12.5 ft. (3.8 m)
0558 004 449

TIG/stick set 25 ft. (7.6 m)
0558 004 450

Unrivalled service and support

Our commitment and ability to deliver the expected service and support starts immediately after the order is confirmed. We strive to offer our customers an After Sales service which is second to none. A strong and skillful service organization is prepared to offer service and maintenance, calibration, validation, and upgrading of equipment and software.

The service organization will offer standardized solutions for the reconditioning or modification of existing products.

Spare and wear parts are manufactured according to ESAB's quality plan. Exchange Printed Circuit Board (PCB), exchange modules, and components are available for all our products in order to reduce downtime to an absolute minimum. ESAB is continuously upgrading authorized service partners for local service support. Customers who have their own service and maintenance personnel will always be offered a service-training package as part of a total ESAB offering. However, product and process training for end-users will form an additional part of the ESAB offering. Always ask your ESAB sales representative or distributor for a complete ESAB solution.



ESAB North America

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MultiMaster 300 Worksheet

Product Description	Part Number	Quantity	Price
Packages			
MultiMaster 300 with 250-amp NAS torch			
208/230 VAC, 1 phase, 50/60 Hz	0558 101 410		
230–575 VAC, 1 phase, 50/60 Hz	0558 101 411		
MultiMaster 300 with 250-amp NAS torch and 25 ft. (7.6 m) HW-17vTL TIG torch			
208/230 VAC, 1 phase, 50/60 Hz	0558 101 412		
230–575 VAC, 1 phase, 50/60 Hz	0558 101 413		
Accessories			
Pre-flow/post-flow/spot/burnback module	0558 002 889		
Remote control module	0558 002 605		
FC-5C foot control – 30 ft. (9.1 m) cable	0558 004 234		
TC-2B thumb control – 25 ft. (7.6 m)	33839		
Spool gun module	0558 002 606		
MT-250SG spool gun	36779		
ST-23A spool gun	19164		
Pulse module option	0558 002 604		
HW-17V-2TL (w/valve) Heliarc TIG torch 60 deg. – 12.5 ft. (3.8 m)	35857		
HW-17V-2TL (w/valve) Heliarc TIG torch 60 deg. – 25 ft. (7.6 m)	35856		
HW-17 torch accessory kit	999126		
Work cable and clamp – 15 ft. (4.5 m)	35881		
Electrode holder assembly – 300 A, 15 ft. (4.5 m)	21226		
Primary extension cord – 50 A, 25 ft. (7.6 m)	37833		
TIG welding handbook	781F29		
MIG welding handbook	791F18		
Gas meter	19043		
Marathon Pak inlet adapter	0558 002 354		
50 mm OKC connectors – male for 1/0 to 4/0 cable	1379 2513		
50 mm OKC connectors – female for 1/0 to 4/0 cable	1373 5631		
50 mm OKC connectors – male for #2 AWG to 1/0 cable	1373 3936		
50 mm OKC connectors – female for #2 AWG to 1/0 cable	1373 5632		
50 mm OKC connectors – quick connector with 1/2 in. (12.7 mm) threaded stud	1373 5501		
50 mm OKC connectors – tee connector – 1 male, 2 female	1379 2804		
TIG/stick set 12.5 ft. (3.8 m)	0558 004 449		
TIG/stick set 25 ft. (7.6 m)	0558 004 450		
Total			

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