



1Phase DC CVCC

# MULTIMASTER® 300X OPTIMIZED FOR DUALSHIELD X SERIES

## Industrial Ready-To-Weld Multi-Process Package MultiMaster® 300X



- Advanced SuperSwitch™ technology makes welding with DualShield X Series a breeze.
- DC welding output from 15 to 300 amps; rated 40% duty cycle
- Output pre-set control with two digital meters makes for quick set-up straight from the DualShield X Series quick set up card.
- 400 Amp 15ft. gun set up for DualShield X Series wires in .045" and .052" diameters.
- Heavy Duty Four Drive Roll stand with serrated DualShield X drive rolls for .045" and .052" dia.
- Convenient, large capacity built-in tool box
- Dual "Easy-On" cylinder tray
- Can be configured to run from Marathon paks
- Fan on demand



Compacts



## Ordering Information

### MultiMaster® 300X cvcc Packages

Each of the following packages are set ready to run .045" diameter DualShield X Series wire. Packages include power source with built-in four roll wire feeder with .045-.052-1/16" knurled feed rolls; factory installed undercarriage & cylinder rack; Gun Master 400 Amp Mig Torch; Contact Tips for .045", R-33-FM320 - CO2 regulator/flowmeter; 6' gas hose; Electrode holder and plug; 15' Work cable & clamp; 10' Primary input cable; Mig Welding Handbook; 33# spool of .045" DualShield 710X wire and 5# sample assortment of Stick Electrodes.

### MultiMaster® 300X w/15 ft. GM-400 "NAS" torch

208/230 vac, 1 phase 50/50 Hz. ....0558007778  
 230-575 vac, 1 phase 50/60 Hz. ....0558007779

If TIG Set with Thumb Control Remote is desired for the above, add one of the TIG/Stick sets listed on the next page. If you wish to have TIG Set with Foot Control, order one of the below outfits.

### MultiMaster® 300X cvcc Multi-Process Package

MultiMaster® 300X w/15ft. GunMaster-400 & 25ft. HW-17v2TL  
 208/230 vac, 1 phase 50/60 Hz .....0558007780  
 230-575 vac, 1 phase 50/60 Hz .....0558007781

Comes complete with items listed above plus:  
 HW-17v-2TL Heliarc Torch, 25 ft. Heliarc Torch Accessory Kit  
 Remote Control Panel FC-5C Foot Control, 30 ft.  
 Electrode Cable & Holder, 15 ft. TIG Welding Handbook  
 R33-FM 580 Flowmeter/Regulator

## Specifications

Rated DCCV or DCCC Output (10 min base)  
 40% duty cycle (NEMA Class I) ..... 300 amps @ 32 vdc  
 Output Current Range  
 Mig/Fluxcore (GMAW/FCAW) ..... 35-300 amps  
 Tig (GTAW) ..... 10-300 amps  
 Stick (SMAW)..... 40-300 amps  
 Open Circuit Voltage  
 Mig/Fluxcore (MGAW/FCAW) ..... 70 vdc  
 Tig (TGAW) ..... 20 vdc  
 Stick (SMAW)..... 70 vdc  
 Primary Input Voltage & Current @ 300 amp rated load  
 208/230 vac, 60 Hz, 1 ph..... 66/60 amps  
 Wire Feed Range ..... 65-675 ipm (1.6 - 17.3 m/min)  
 Net Weight..... 250 lbs. (112.5 kg)  
 Shipping Weight..... 300 lbs. (xx.x kg)  
 W x L x H.....25.3 in. (64 cm) x 39.5 in. (100 cm) x 33.5 in. (85 cm)

Instruction Manual .....0558007770  
 Sales Literature ..... (09-13-2007) ARC-23231



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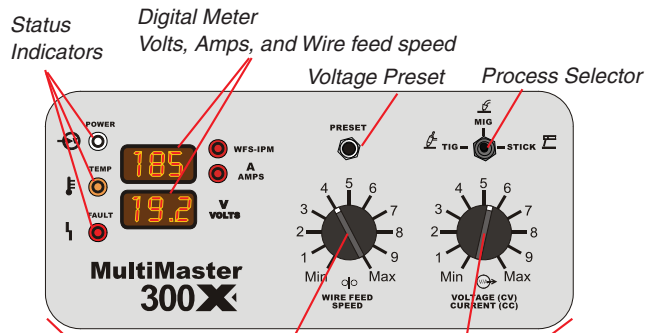
Compacts

▶ Start at the 'sweet spot'  
 ▶ Use straight progression  
 ▶ Then show low end  
 ▶ Work up to high end  
 ▶ Can weave at higher settings  
 Visit [www.dualshieldx.com](http://www.dualshieldx.com)  
 for more information.

ESAB Welding & Cutting Products  
 1.800.ESAB.123

Dual Shield X
Dual Shield 700X (CO <sub>2</sub> ), 2F 1/16" @ 350 WFS, 29V 3/32" @ 208 WFS, 30V
Dual Shield 710X (CO <sub>2</sub> ), 3F .045" @ 304 WFS, 25V .052" @ 214 WFS, 24V 1/16" @ 189 WFS, 24V
Dual Shield 710X (75/25), 3F .045" @ 360 WFS, 24V .052" @ 270 WFS, 23V 1/16" @ 180 WFS, 23V
Dual Shield II 711X (CO <sub>2</sub> ), 3F .045" @ 343 WFS, 24V .052" @ 283 WFS, 24V 1/16" @ 188 WFS, 24V
Dual Shield II 712X (75/25), 3F .045" @ 337 WFS, 24V .052" @ 245 WFS, 23V 1/16" @ 145 WFS, 24V

*Above listings are the starting sweet spots.*



## Optional Equipment

Pre/Post Flow/Spot/Burnback module	0558002889
Inductance Control Module	0558002888
Remote Control Module	0558002605
FC-5C Foot Control - 30 ft. (9.1 m) cable	0558004234
Provides remote current control and connector (on/off) control and requires Remote Control Module	
TC-2B Thumb Control - 25 ft.	33839
Provides remote current control and connector (on/off) control and requires Remote Control Module	
Spool Gun Module	0558002606
MT-250SG Spool Gun	36779
Requires Spool Gun module	
ST-23A Spool Gun	19164
Requires Adapter 37301 and Spool Gun module	
Pulse Module Option	0558002604
HW-17V-2TL (w/valve) Heliarc® Tig Torch 60 deg. 12.5 ft.	35857
HW-17V-2TL (w/valve) Heliarc® Tig Torch 60 deg. 25 ft.	35856
Tig weld without disconnecting the Mig torch.	
HW-17 Torch Accessory Kit	999126
Work Cable & Clamp (15 ft.)	35881
Electrode Holder Assembly - 175 amp (15 ft.)	0558001791
(Includes holder, cable and quick connector)	
Electrode Holder Assembly - 300 Amp (15 ft.)	21226
(Includes holder, cable and quick connector)	

EURO CC Retrofit Kit	0558001082
NAS to Euro Adapter	0558002622
Primary Extension Cord (25 ft.) 50 amp	37833
TIG Welding Handbook	781F29
MIG Welding Handbook	791F18
Gas Meter (measures gas flow at the gun)	19043
Marathon Pak Inlet Adapter (fits QCA 899F50)	0558002354
Refer to Marathon Pak brochures for Cap and Conduit selections	

**50 mm Connectors** - quick-acting twist lock connectors for attaching output power cables or torches to power source:

Male for 1/0 to 4/0 cable	13792513
Female for 1/0 to 4/0 cable	13735631
Male for #2 AWG to 1/0 cable	13733936
Female for #2 AWG to 1/0 cable	13735632
Quick connector with 1/2 in. threaded stud	13735501
Tee connector - 1 male, 2 female	13792804

### Tig/Stick Sets

Includes 15 ft. Electrode Holder, 12.5 ft. or 25 ft. HW-17V-2TL Torch, Torch Accessory Kit, Remote Control Module, TC-2B Thumb Control and TIG Handbook.	
TIG/Stick Set 12.5 ft.	0558004449
TIG/Stick Set 25 ft.	0558004450

Wire Diameter	Desc.	Roll	Drive Qty	Outlet Guide NAS Models Only		Center Guide		Inlet Guide	
				Qty	Qty	Qty	Qty	Qty	Qty
.023 in. (0.8 mm)	V-Solid	21155	2	0558001499	1	0558001757	1	0558001758	1
.030 in. (0.8 mm)	V-Solid	21155	2	0558001499	1	0558001757	1	0558001758	1
.035 in. (0.8 mm)	V-Solid	21156	2	0558001498	1	0558001757	1	0558001758	1
.045 in. (1.2 mm)	V-Solid	21156	2	0558001498	1	0558001757	1	0558001758	1
.030 in. (0.8 mm)	K-Cored	21160	2	0558001499	1	0558001757	1	0558001758	1
.035 in. (0.9 mm)	K-Cored	21160	2	0558001498	1	0558001757	1	0558001758	1
.045 in. (1.2 mm)*	K-Cored	21161*	2	0558001498	1	0558001757*	1	0558001758*	1
.052 in. (1.4 mm)*	K-Cored	21161*	2	0558001497*	1	0558001757*	1	0558001758*	1
1/16 in. (1.6 mm)*	K-Cored	21161*	2	0558001497*	1	0558001757*	1	0558001758*	1

\*As delivered