


**DC - CV & CVCC
Power Sources**

SVI 450i cvcc

- Provides outstanding Mig performance with a wide variety of alloys
- Variable Inductance and Selectable Slope allow ultra fine tuning for superior arc characteristics, such as near spatterless short arc—even with CO₂ shielding gas
- Optional HC-4B provides adjustable Arc Force that controls arc penetration and wetting action during stick electrode welding or air carbon arc gouging
- Three-year warranty

Ordering Information

SVI 450i cvcc Power Source*

208/230/460 vac, 1 or 3 ph, 60 Hz..... 31950

Note: Each of the power sources above is supplied with an 8 ft. primary cable and two male Twist Lock Cable Connectors.

* Remote control (HC-3B, HC-4B, FC-5B or TC-2B) is required for "cc" operation.

Options & Accessories

Ultra-Pulse 450i Mig Pulse Pendant Control - This easy-to-use synergic pulse control automatically provides precise parameters for pulsed Mig welding. Select the desired wire type and diameter on the control dial, set the wire feed speed and then begin welding. As you change wire feed rate, the pulse parameters automatically adjust to maintain a high quality, spray-like pulsed arc. An arc trim dial is also provided to allow fine tuning of arc length. Eight preset combinations include steel, stainless steel, 4000 series aluminum and 5000 series aluminum with .035 in., .045 in., 3/64 in. or 1/16 in. diameters 34946
(Note: MIG 4HD is required. See 4HD page for additional details.)

Mig 4HD Ultra-Pulse Wire Feeder see 4HD Ultra Pulse page

HC-4B Hand Pendant Control - Provides remote output control of power source, process selection (cv or cc mode), special Stick mode (with Arc Force adjustment for optimum stick electrode welding) and contactor control. 33840

HC-3B Hand Control* - 30 ft. (9.1m) cable..... 33838

FC-5B EHD Foot Control* - 30 ft. (9.1m) cable.....33841

TC-2B Torch Control* - 25 ft. (7.5m) cable 33839

***Note: Remote contactor control (such as TC-2B, HC-3B or FC-5B) is required for "cc" operations.**

Stick Electrode Holder Assembly - 300A.,15 ft. (4.5m).....21226

Inverter Cart (2 cylinder) for use with SVI 450i & 350 mpi.....31700

Twist Lock Cable Connectors & Adaptors
...see under General Accessories

Power source to wire feeder control cables
...see under Wire Feeders - Accessories - Control Cables

Instruction ManualF-15-071

Sales Literature (12-01-2006) ARC-23045



Shown with optional Mig 35 wire feeder, welding torches and welding wire.

Specifications

Rated DC Output @ 60% duty cycle (10 min base continuous fan)
 50 or 60 Hz, 3 ph Input, cv or cc..... 450 amps @ 38 vdc
 50 or 60 Hz, 1 ph Input, cv or cc..... 275 amps @ 31 vdc
 Rated DC Output @ 100% duty cycle (10 min base continuous fan)
 50 or 60 Hz, 3 ph Input, cv or cc..... 350 amps @ 34 vdc
 50 or 60 Hz, 1 ph Input, cv or cc..... 215 amps @ 28 vdc
 Open Circuit Voltage (50/60 Hz) 72 vdc
 Primary Input Voltage & Current @ rated 60% duty cycle load
 230(208)/460 vac, 60 Hz, 3 ph..... 55/38 amps
 230 (208) vac, 60 Hz, 1 ph 55 amps
 220/380/415 vac, 50 Hz, 3 ph..... 61/42/39 amps
 Auxiliary Output Power (receptacle)....115 vac, 50/60 Hz, 10 amps
 Net Weight.....155 lb. (70 kg)
 Shipping Weight.....165 lb. (75 kg)
 W x L x H..... 15.25 in. (39 cm) x 23 in. (58 cm) x 15.5 in. (39 cm)





READY-TO-WELD FEEDER PACKAGES

Order a package below and a power source listed for that package to make a custom welding system

Part No.	DuraDrive 4-30 "Ready to Weld" Packages - Ring Terminal Cables for ESAB MultiPower 460, ESAB 353cv, ESAB 453cv, ESAB 653cvcc			
0558003266	DuraDrive 4-30	GM-400 x12 ft.	R33 Package	
0558003267	DuraDrive 4-30	GM-400 x15 ft.	R33 Package	
Part No.	DuraDrive 4-30 "Ready to Weld" Packages - Twist Lock Cables for ESAB 350 MPI, ESAB SVI-450i			
0558003270	DuraDrive 4-30	GM-400 x12 ft.	R33 QC Package	
0558003271	DuraDrive 4-30	GM-400 x15 ft.	R33 QC Package	
<i>The DD4-30 "Ready to Weld" Packages listed above include wire feeder, 8 ft. control cable, 12.5 ft. gas hose, GM 400 torch .035-.045, work cable with clamp, welding power cable with ring terminal, R-33 regulator/flowmeter and .035-.045 drive roll. Other Driveroll Kit sizes must be ordered separate.</i>				
Part No.	DuraDrive 4-48 "Ready to Weld" Packages - Ring Terminal Cables for ESAB MultiPower 460, ESAB 353cv, ESAB 453cv, ESAB 653cvcc			
0558003268	DuraDrive 4-48	GM-400 x12 ft.	R33 Package	
0558003269	DuraDrive 4-48	GM-400 x15 ft.	R33 Package	
Part No.	DuraDrive 4-48 "Ready to Weld" Packages - Twist Lock Cables for ESAB 350 MPI, ESAB SVI-450i			
0558003272	DuraDrive 4-48	GM-400 x12 ft.	R33 QC Package	
0558003273	DuraDrive 4-48	GM-400 x15 ft.	R33 QC Package	
<i>The DD4-48 "Ready to Weld" Packages listed above include wire feeder, 8 ft. control cable, 12.5 ft. gas hose, GM 400 torch .052-1/16", work cable with clamp, welding power cable with ring terminal and R-33 regulator/flowmeter. Driveroll Kits must be ordered separate.</i>				
Part No.	Wire Feeder Ready-To-Weld Packages-Twist Lock Cables for ESAB 350 MPI, ESAB SVI-450i			
37112	Mig 4HD	GM250cc	R33FM580	ArgonMix 035-045 (0.9/1.2)
37113	Mig 4HD	GM400cc	R33FM580	ArgonMix 035-045 (0.9/1.2)
37114	Mig 4HD	GM400cc	R33FM580	ArgonMix 052-1/16 (1.4/1.6)
37115	Mig 35	GM400cc	R33FM580	ArgonMix 035-045 (0.9/1.2)
37116	Mig 35	GM400cc	R33FM580	ArgonMix 052-1/16 (1.4/1.6)
37118	Digimig	GM400cc	R33FM580	ArgonMix 035-045 (0.9/1.2)
37119	Digimig	GM400cc	R33FM580	ArgonMix 052-1/16 (1.4/1.6)
37121	Mig 4HD	GM250cc	R33FM320	CO ₂ 035-045 (0.9/1.2)
37122	Mig 4HD	GM400cc	R33FM320	CO ₂ 035-045 (0.9/1.2)
37123	Mig 4HD	GM400cc	R33FM320	CO ₂ 052-1/16 (1.4/1.6)
37124	Mig 35	GM400cc	R33FM320	CO ₂ 035-045 (0.9/1.2)
37125	Mig 35	GM400cc	R33FM320	CO ₂ 052-1/16 (1.4/1.6)
37126	Digimig	GM400cc	R33FM320	CO ₂ 035-045 (0.9/1.2)
37127	Digimig	GM400cc	R33FM320	CO ₂ 052-1/16 (1.4/1.6)
Part No.	Wire Feeder Ready-To-Weld Packages-Ring Terminal Cables for ESAB MultiPower 460, ESAB 353cv, ESAB 453cv, ESAB 653cvcc			
0558001477	Mig 4HD	GM250cc	R33FM580	ArgonMix 035-045 (0.9/1.2)
0558001478	Mig 4HD	GM400cc	R33FM580	ArgonMix 035-045 (0.9/1.2)
0558001479	Mig 4HD	GM400cc	R33FM580	ArgonMix 052-1/16 (1.4/1.6)
0558001480	Mig 35	GM400cc	R33FM580	ArgonMix 035-045 (0.9/1.2)
0558001481	Mig 35	GM400cc	R33FM580	ArgonMix 052-1/16 (1.4/1.6)
0558001482	Digimig	GM400cc	R33FM580	ArgonMix 035-045 (0.9/1.2)
0558001483	Digimig	GM400cc	R33FM580	ArgonMix 052-1/16 (1.4/1.6)
0558001485	Mig 4HD	GM250cc	R33FM320	CO ₂ 035-045 (0.9/1.2)
0558001486	Mig 4HD	GM400cc	R33FM320	CO ₂ 035-045 (0.9/1.2)
0558001487	Mig 4HD	GM400cc	R33FM320	CO ₂ 052-1/16 (1.4/1.6)
0558001488	Mig 35	GM400cc	R33FM320	CO ₂ 035-045 (0.9/1.2)
0558001489	Mig 35	GM400cc	R33FM320	CO ₂ 052-1/16 (1.4/1.6)
0558001490	Digimig	GM400cc	R33FM320	CO ₂ 035-045 (0.9/1.2)
0558001491	Digimig	GM400cc	R33FM320	CO ₂ 052-1/16 (1.4/1.6)
<i>The Wire Feeder Packages listed above include wire feeder, 6 ft. control cable, 8 to 12.5 ft. gas hose, feed roll(s), GM torch 15 ft., work cable with clamp, work cable with Ring terminal, cable adaptor, and R-33 regulator/flowmeter.</i>				

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