

### ESAB 453cv

- Heavy Duty industrial DC Mig welding power source for Mig, Flux core and ACAG applications
- Ground fault detection (GFD) for optimum safety
- Lugged output studs for positive, low cost cable connection
- Simple front panel design with sealed electronics compartment
- Compatible with 42 vac and 115 vac ESAB wire feeders (Mig 4HD, Mig-35 and Digimig, DuraDrive)
- 115 vac outlet for water circulator or power tools
- Quality manufacturing system certified to ISO 9002
- Auto Fan™ Installed
- Optional Miller and Lincoln wire feeder attachment kits

### Ordering Information

#### ESAB 453cv Power Sources

453cv, 230(208)/460 vac, 3 ph, 60 Hz .....	37969
453cv, 230(208)/460/575 vac, 3 ph, 60 Hz.....	37970
453cv, 220/400(380-415) vac, 3 ph, 50 Hz CE .....	37972

#### ESAB 453cv Migmaster Packages

The following package includes an ESAB DC power source, wire feeder, 8 ft. (2.4m) control cable, 8 ft. (2.4m) gas hose, .035/.045 in. (.9/1.2mm) feed roll, - 15 ft. (4.5m) GunMaster gas-cooled gun, 15ft. work cable with clamp, 15 ft. wire feeder weld cable and R-33-FM-580 regulator with adjustable flowmeter.

Migmaster 453cv, Mig 4HD, GM-400cc, 230/460 vac..... 36233

**Note:** For other Ready-to-Weld feeder packages see page 4-25

### Options & Accessories

<b>Power source to wire feeder control cables</b> - see section Wire Feeders - Accessories - Control Cables	
<b>Esab Wire Feeder/Remote Control Kit</b> .....	0558001436
<i>(14 pin remote, 19 pin Esab feeder, and 115vac receptacles)</i>	
<b>HC-3B Hand Control</b> , 30 ft. (9.1m) cable.....	33838
<i>(requires 0558001436)</i>	
<b>TR-29 Truck Kit</b> , includes wheels & 2 cylinder rack.....	37924
<b>Mini Boom</b> (requires Swivel Post) .....	34322
<b>Swivel Post</b> , use with Mig 4HD or Mig 2E wire feeders.....	36172
<b>Slope Resistor Kit</b> (400A. Max.).....	0558001456
<b>Auto Fan™ Kit</b> for old machines (452).....	36707
<b>Work Cable</b> with Clamp (15 ft.).....	0558001440
<b>Feeder Cable</b> with Lug (15 ft.) .....	0558001441
<b>Miller Wire Feeder Adaptor Kit, 24Vac</b> .....	0558001415
<b>Lincoln Wire Feeder Adaptor Kit</b> .....	0558001416



**Shown with optional DuraDrive 4-30 wire feeder, GM-250 Mig welding torch, TR-29 Truck kit, 15 ft. work cable and welding wire**

### Specifications

Rated DCCV Output* @ 100% duty cycle (10 min base)	
50/60 Hz.....	450 amps @ 38 vdc
Rated DCCV Output* @ 60% duty cycle (10 min base)	
50/60 Hz.....	550 amps @ 42 vdc
Open Circuit Voltage, 50/60 Hz.....	13 - 52 vdc
Primary Input Voltage & Current @ rated 100% duty cycle load	
230 (208)/460 vac, 60 Hz, 3 ph .....	74(81)/37 amps
230(208)/460/575 vac, 60 Hz, 3 ph .....	74/37/30 amps
220/400 (380-415) vac, 50 Hz, 3 ph.....	78/43(45-41) amps
Power Factor @ rated load .....	83%
Auxiliary Output Power (receptacle)....	115 vac, 50/60 Hz, 10 amps
Net Weight,** 60 Hz .....	355 lb. (161kg)
Shipping Weight** (approximate), 60 Hz.....	365 lb. (166kg)
W x L x H.....	18.75 in. (46 cm) x 32.5 in. (83 cm) x 25 in. (64 cm)

\* For 208 vac, 60 Hz and 380 vac, 50 Hz service derate output current rating 10%.

\*\* For 50 Hz models, add 40 lb. (18kg)

Instruction Manual .....	F-15-581
Sales Literature .....	(12-01-2006) ARC-23082



DC - CV & CVCC  
Power Sources