

ESAB 353cv

- Three phase primary power for industrial DC Mig welding
- High/Low inductance taps for optimized short circuiting welding
- Ground Fault Detection (GFD) for optimum safety
- Lugged output studs for positive, low cost cable connection
- Simple front panel designs with sealed electronics compartment
- Compatible with 42 vac and 115 vac ESAB Wire Feeders (Mig 4HD, Mig-35, Digimig, DuraDrive)
- 115 vac outlet for water circulator or tools
- Three-year warranty
- Auto Fan™ Installed

Ordering Information

ESAB 353cv Power Source

353cv, 230(208)/460 vac, 3 ph, 60 Hz.....	37961
353cv, 230(208)/460/575 vac, 3 ph, 60 Hz	37962
353cv, 220/400 (380-415) vac, 3 ph, 50 Hz CE.....	37964

ESAB 353cv 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 353cv, Mig 4HD, GM-250cc, 230/460/575 vac36445

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

Options & Accessories

Power source to wire feeder control cables - see section Wire Feeder - Accessories - Control Cables

Esab Wire Feeder/Remote Control Kit 0558001436

(14 pin remote, 19 pin Esab feeder, and 115vac receptacles)

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

(requires 0558001436)

TR-29 Truck Kit, includes wheels & 2-cylinder rack37924

Mini-Boom for Mig 4HD (requires Swivel Post) 34322

Swivel Post, use with Mig 4HD or DuraDrive feeders.....36172

Slope Resistor Kit (400A. Max.) 0558001456

Auto Fan™ Kit for old machines (352) 36707

Work Cable with Clamp (15 ft.) 0558001440

Feeder Cable with Lug (15 ft.)0558001441

Miller Wire Feeder Adaptor Kit, 24Vac0558001415

Lincoln Wire Feeder Adaptor Kit0558001416



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

Specifications

Rated DCCV Output* @ 100% duty cycle (10 min base)	
50/60 Hz.....	350 amps @ 34 vdc
Rated DCCV Output* @ 60% duty cycle (10 min base)	
50/60 Hz.....	450 amps @ 34 vdc
Open Circuit Voltage, 50/60 Hz.....	13-45 vdc
Primary Input Voltage & Current @ 100% duty cycle load	
230(208)/460 vac, 60 Hz, 3 ph.....	50(55)/25 amps
230(208)/460/575 vac, 60 Hz, 3 ph	50/25/20 amps
220/400(380-415) vac, 50 Hz, 3 ph.....	52/29(31-28) amps
Power Factor @ rated load	83 %
Auxiliary Output Power (receptacle)....	115 vac, 50/60 Hz, 10 amps
Net Weight**, 60 Hz	331 lb. (150 kg)
Shipping Weight** (approximate), 60 Hz.....	341 lb. (155 kg)
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. (18 kg).

Instruction Manual	F-15-579
Sales Literature	(12-01-2006) ARC-23084



DC - CV & CVCC
Power Sources