



ESP-150 PLASMARC™ CUTTING & GOUGING SYSTEM

ESP-150 Plasmarc™ System

This versatile, all encompassed heavy duty water cooled plasma cutting and gouging system is ideal for manual and mechanized applications.

- Greater productivity—high speed cutting of most metals from gauge thickness to 2- in. thick plate
- Versatility—230/460/575 and 220/380/415 volt three-phase inputs
- Greater variation - adjustable output—25 to 150 amps
- Built-In Water Cooler—simplifies maintenance, less hookup, no wiring issues, no extra hoses. Water flow is controlled with power supply
- Water cooled Torch PT-26
- Leather sheath wrapped torch—protects torch leads from abrasion and molten metal
- Cuts with air, nitrogen, argon-hydrogen mixtures or nitrogen-hydrogen mixtures
- Built-In CNC interface provides easy connection of automation applications
- Torch design provides perfect electrode centering—provides longer tip life by minimizing the possibility of double-arcing
- Torch spare parts kit supplied with each outfit—ample supply of spare parts at no additional cost to minimize downtime
- Thermal overload switches—prevents damage if unit overheats due to insufficient air flow
- Line voltage compensation
- Automatic intermittent cutting—additional capability, permits continuous cutting of grates, expanded metal, heavy screen material, etc.
- Wheels and cylinder rack—all provided standard at no additional cost for portability and greater utilization
- Ideal for plasma gouging
- Three year warranty on console
- One Year warranty on torch

Specifications

Cuts 2 in. (50.8mm); Severs 2 1/2 in. (63.5mm)
 Input Current and Input Voltage at Rated Load
 112/56/45 amps, 230/460/575 vac, 60 Hz, 3 Ph
 121/70/64 amps, 220/380/415 vac, 50 Hz, 3 Ph
 Output Rating
 90% duty cycle 150 amps @ 120 V
 100% duty cycle 140 amps @ 120 V
 Open circuit Voltage..... 370 vdc
 Dimensions..... W = 21.75 in. (552 mm)
 H = 31.5 in. (800 mm)
 D = 40 in. (1016 mm)
 Weight 756 lbs. (308 kg)

Instruction Literature 230/460/575 V F-15-687
 400V “CE” 0558003744 and 0558004122
 Sales Literature PAC-21062



Torch

PT-26 - 70°, 90° or In-Line

How to Order

The ESP-150 package includes console, PT-26 torch with leather sheath, torch spare parts kit, 25 ft. (7.6 m) or 50 ft. (15.2 m) work cable, TR-21 truck with dual cylinder rack, regulators and gas hoses and torch coolant.

Ordering Information

ESP-150 with PT-26 Packages 230/460/575 V, 60Hz, 3 Phase

ESP-150, 25 ft. PT-26 70° Air	0558002909
ESP-150, 50 ft. PT-26 70° Air	0558002910
ESP-150, 25 ft. PT-26 90° Air	0558002911
ESP-150, 50 ft. PT-26 90° Air	0558002912
ESP-150, 25 ft. PT-26 InLine/Air	0558002913
ESP-150, 50 ft. PT-26 InLine/Air	0558002914
ESP-150, 25 ft. PT-26 70° Ar+H ₂ Mix.....	0558002915
ESP-150, 50 ft. PT-26 70° Ar+H ₂ Mix.....	0558002916
ESP-150, 25 ft. PT-26 90° Ar+H ₂ Mix.....	0558002917
ESP-150, 50 ft. PT-26 90° Ar+H ₂ Mix.....	0558002918
ESP-150, 25 ft. PT-26 InLine/Ar+H ₂ Mix	0558002919
ESP-150, 50 ft. PT-26 InLine/Ar+H ₂ Mix	0558002920

ESP-150 with PT-26 Export Packages 220/400 V “CE” 50 Hz, 3 Phase

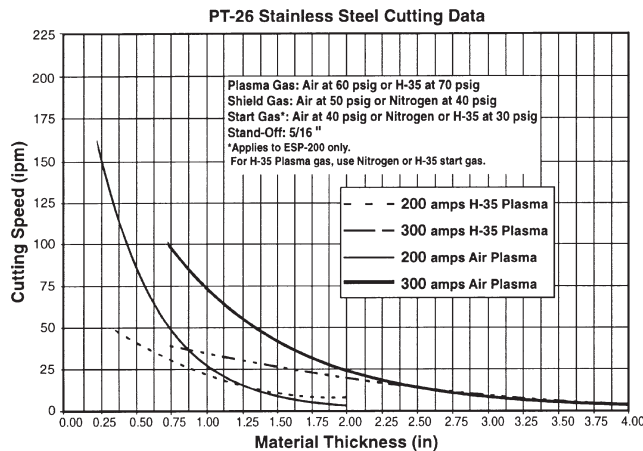
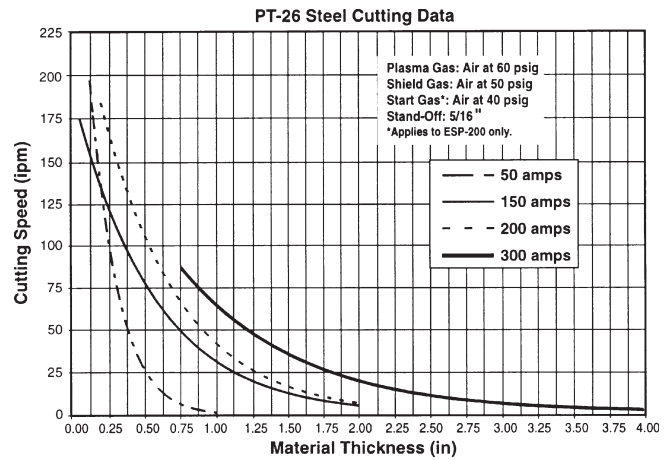
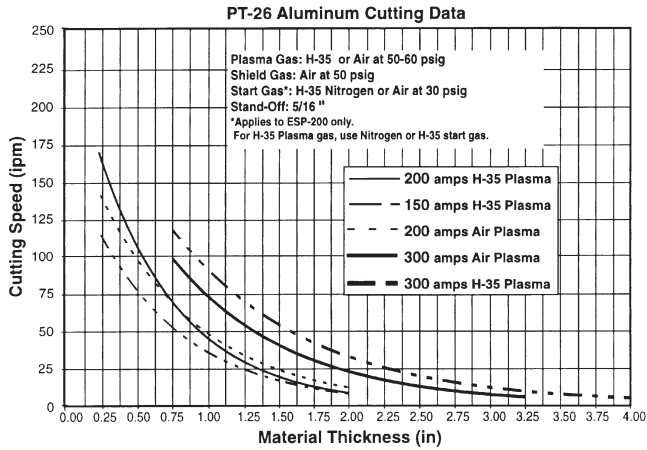
ESP-150, 25 ft. PT-26 70° Air	0558003472
ESP-150, 50 ft. PT-26 70° Air	0558003473
ESP-150, 25 ft. PT-26 90° Air	0558003474
ESP-150, 50 ft. PT-26 90° Air	0558003475
ESP-150, 25 ft. PT-26 InLine/Air	0558003476
ESP-150, 50 ft. PT-26 InLine/Air	0558003477

ESP-150 with PT-19XLS Packages 230/460/575 V, 60Hz, 3 Phase

ESP-150, 25 ft. 19XLS, Air Station Regulators.....	0558004773
ESP-150, 50 ft. 19XLS, Air Station Regulators.....	0558004578
ESP-150, 25 ft. 19XLS, Multi-Gas Station Regulators.....	0558004774
ESP-150, 50 ft. 19XLS, Multi-Gas Station Regulators.....	0558004637
ESP-150, 25 ft. 19XLS, H35/N ₂ Cylinder Regulators...	0558004776
ESP-150, 50 ft. 19XLS, H35/N ₂ Cylinder Regulators...	0558004775



ESP
Mechanized



ESP-150 with PT-19XLS Export Packages 220/400 "CE", V50Hz, 3 Phase

- ESP-150, 7.6m 19XLS, Air Station Regulators0558004771
- ESP-150, 15m 19XLS, Air Station Regulators0558004677
- ESP-150, 7.6m 19XLS, Multi-Gas Station Regulators 0558004772
- ESP-150, 15m 19XLS, Multi-Gas Station Regulators .0558004638

All PT-19XLS packages include the power supply, torch, 3 gas regulators, start-up kit, torch repair & accessories kit, a remote hand switch, CNC interface cable and 4 gallons of torch coolant.

The multi-gas packages include three R-6702 regulators that can be used with any non-corrosive gas.

The cylinder regulator packages include a cylinder cart, one N₂ and two N₂/H35 cylinder regulators and three 25' hoses.

The ESP-150 PT-19XLS can also be configured with a plumbing box for applications that require a long distance between the torch and the power supply or in automated applications that require a reduced level of high frequency emissions. Contact your ESAB representative for information on these customized packages.

Optional Accessories

- 150 amp Spare Parts Kit**0558002864
- Remote Hand Switch**
 Permits remote starting and stopping of cutting process; used primarily for mechanized cutting 25 ft. (7.6m).....2075600
 50 ft. (15m)0558004781
- 25 ft. (7.6 m) Leather Sheath**
 Protects torch leads from abrasion and molten metal; particularly recommended for plasma gouging0558002921
- 50 ft. (15.2 m) Leather Sheath***0558002922
- Plasma Flow Measuring Kit**
 This valuable troubleshooting tool allows measurement of the actual plasma gas flow through the torch..... 19765
- Plasma Torch Head Protector**
 For gouging20806
- Trigger Latch Kit**
(Factory Installed Only)0588000939

* Standard on manual torches.