

X-TRACTOR® 3A, 5A, 8A

Processes

Stick, TIG, MIG, Flux-Cored

Product Number

X-Tractor 3A
L12810-1, L12810-2

X-Tractor 5A
L12810-3, L12810-4

X-Tractor 8A
L12810-5, L12810-6

See back for complete specs

Input Power

230/3/60, 460/3/60

CFM

X-Tractor 3A - 165

X-Tractor 5A - 285

X-Tractor 8A - 475

Weight/Dimensions (H x W x D)

X-Tractor 3A
192 lbs. (87 kg)

29.1 x 16.9 x 43.3 in.
(740 x 430 x 1100 mm)

X-Tractor 5A
242 lbs. (110 kg)

33.1 x 28.0 x 55.1 in.
(840 x 710 x 1400 mm)

X-Tractor 8A
375 lbs. (170 kg)

43.3 x 28.0 x 55.1 in.
(1100 x 710 x 1400 mm)

Welding Fume Extractor

The self-contained X-Tractor® weld fume extraction units are specifically designed for the removal and filtration of welding fume. These high vacuum, low volume systems are engineered to provide suction for multiple nozzles and fume guns and feature an integrated automatic self-cleaning filter system. They are ideally suited for continuous use in heavy duty welding applications.

FEATURES

- ▶ **Integrated automatic filter cleaning**
- ▶ **Automatic operation capability** - Using wire feeder trigger signal.
- ▶ **For 1 to 8 operators simultaneously**
- ▶ **Rugged design** - For industrial use and impact resistance.
- ▶ **Wide range of accessories available**
- ▶ **Compact design** - For easy installation in narrow spaces.
- ▶ **Easy to Empty** - Particulate bin is readily accessible.



EXTRACTION CAPACITY

Welding Fume Extractor	Suction Nozzle Capacity	Fume Gun Capacity
X-Tractor 3A	1	3
X-Tractor 5A	3	5
X-Tractor 8A	5	8

Note: Number of extraction nozzles/fume guns that can be connected to each system is directly related to the overall lengths of duct and flex hose used for connection.

WHAT'S INCLUDED

Base Unit Includes:

- ▶ Extraction Unit
- ▶ Filter Cartridge
- ▶ Automatic Filter Cleaning System
- ▶ Internal Compressed Air Regulator
- ▶ Automatic Operation Connection
- ▶ Starter/Overload Switch

High Vacuum/Low Volume System

High vacuum welding fume extraction systems utilize higher pressure of 70-90 WC [inch] and low volume of 50-100 CFM with an air speed of 4000-5000 ft/min. The air handling configuration of high vacuum equipment allows the use of small diameter rigid duct and small diameter flexhose to easily reach extraction points. It is perfect for applications such as short welds when using fume suction nozzles or larger fixture welding using integrated fume extraction guns. This process is designed for close proximity source extraction from 2-4" to the welding source.

Since the hoses and suction nozzles are smaller than those of low vacuum systems, it is much easier to carry the fume gun, extraction nozzle and/or flex hose into confined spaces depending on the type of welding, base material, consumable used, and arc time. The mobility of the suction devices allows the main filter unit to be kept at a central location. Due to the low air volume (CFM) extracted, make-up air and negative room air pressures are kept to a minimum when exhausting outside the facility.

Automatic Filter Cleaning

The cleaning timer system can be adjusted based on the welding application and usage amounts.

The system consists of a holding tank for compressed air, an air solenoid valve and a timer. The tank is filled with compressed air, the solenoid valve opens at intervals set by the timer, and air is blown into the filter. Particulate stuck on the outside of the filter drops into a dustbin.

Off-Line Filter Cleaning

In addition to the automatic cleaning function, there is also a built in off-line function that can be programmed for additional cleaning cycles, after work hours.

Automatic Operation

The extraction unit can be configured to operate in an automatic mode, where the extraction system will function based on the welding machine status. This provides extraction demand only when welding is taking place. (Contact Lincoln Electric for connection information).

Duct System

The metal duct system and related accessories are simple to install, leak-proof, and can be configured for up to eight connection points.

The duct system is designed specifically for the layout of the welding facility and takes into account the number of welding stations, welding processes, physical obstacles and overall duct lengths to maintain specific airflow characteristics and provide an efficient and effective solution.



Shown: Front views X-Tractor 8A, 5A, 3A



Shown: Back views of X-Tractor 8A, 5A, 3A



Shown: Distribution & Shutoff Valves



Shown: Duct System

GENERAL OPTIONS



Aluminum Suction Nozzles with Magnetic Mounting
Includes S20591-7 adapter for 1-3/4" (45 mm) hose. Best capture distance: ~1-1/2" (38 mm).
Order K639-1 for SHM-300 Nozzle - 300 mm (12")
Order K639-2 for SHM-400 Nozzle - 400 mm (16")
Order K639-3 for SHM-500 Nozzle - 500 mm (20")



SHMS-400 Low Noise Nozzle
400 mm (16") aluminum suction nozzle with magnetic mounting. Includes S20591-7 adapter for 1-3/4" (45 mm) hose. Best capture distance: ~1-1/2" (38 mm).
Order K639-4



SHFA Flat Suction Nozzle
150 mm (6") Aluminum suction nozzle with 20" (500 mm) flexible steel hose and magnetic mounting. Includes adapter for 1-3/4" (45 mm) hose. Best capture distance: < 4" (100 mm).
Order K639-5



UNM Suction Nozzle for Heavy Smoke
200 mm (8") Aluminum suction nozzle with magnetic mounting. Includes S20591-7 adapter for 1-3/4" (45 mm) hose. Best capture distance: < 4" (100 mm).
Order K639-6



EN 20 Extraction Nozzle
The EN 20 nozzle is designed for a wide array of welding applications. With its funnel extraction opening and magnetic mounting stand, it gives the welder a greater amount of versatility.
Order K2389-5



EN 40 Extraction Nozzle
The EN 40 nozzle is designed for stick electrode applications. With its L-shaped tube and an elongated slotted opening, the EN 40 nozzle is designed to coincide with the time it takes the welder to use one stick electrode. This design alleviates the welder from having to continuously reposition the nozzle. Magnetic mounting stand included.
Order K2389-6



Gun Mounted Nozzle Kit
Nickel plated brass nozzle slips over the gun's gas nozzle and secures with screw. Includes a total of 16 ft. (5 m) of hose and all necessary adapters including SS-3245 for connection to 1-3/4" (45 mm) hose.
Order K639-20



NKT
K2389-3



NKC
K2389-4

Nozzle Kits
The NKT and NKC nozzle kits provide extraction capacity to standard welding guns. The NKT kit is for mounting the extraction hose on top of gun. The NKC kit is for circular extraction. Note: guns not included.
Order K2389-3 for NKT
Order K2389-4 for NKC



Magnum® PRO Fume Guns
Designed to stand up to high productivity fabrication and production environments. For high amperage semiautomatic welding..
Order K2649-1
Magnum PRO Fume 350
Order K2650-1
Magnum PRO Fume 550



Gun Connector Kit
Magnum PRO Fume 350
Order K466-1, K466-10, K466-2, K466-3, K466-6, K466-8
Magnum PRO Fume 550
Order K613-1, K613-6, K613-7, K613-2, K613-3



Gun Cable Liners
Cable Liners for
Magnum PRO Fume 350
Order KP44-116-5, KP44-3545-15, KP44-564-15
Cable Liners for
Magnum PRO Fume 550
Order KP45-3545-15, KP45-116-15, KP45H-332-15, KP45-18-15

* Reference literature E12.02 for additional information on Magnum PRO Fume Guns.

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power (Voltage/Phase/Hz)	Input Current	CFM	H x W x D in. (mm)	Net Weight lbs. (kg)
X-Tractor 3A	L12810-1	230/3/60	14A	165	29.1 x 16.9 x 43.3 (740 x 430 x 1100)	192 (87)
	L12810-2	460/3/60	6.5A			
X-Tractor 5A	L12810-3	230/3/60	20A	285	33.1 x 28.0 x 55.1 (840 x 710 x 1400)	242 (110)
	L12810-4	460/3/60	10A			
X-Tractor 8A	L12810-5	230/3/60	40A	475	43.3 x 28.0 x 55.1 (1100 x 710 x 1400)	375 (170)
	L12810-6	460/3/60	21A			

Environmental Systems Family



High & Low Vacuum Solutions



For help with your fume extraction requirements, please contact Lincoln Electric's Environmental Team at: weldfumecontrol@lincolnelectric.com or call 888.935.3878

For Additional Information See:

www.lincolnelectric.com/safety, www.lincolnelectric.com/weld-fume-control

The operation of welding fume control equipment is affected by various factors including proper use and positioning of the equipment, maintenance of the equipment and the specific welding procedure and application involved. Worker exposure level should be checked upon installation and periodically thereafter to be certain it is within applicable OSHA PEL and ACGIH TLV limits.

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

LINCOLN[®]
ELECTRIC
THE WELDING EXPERTS[®]