

VENTILATORS - ASPIRATORS WITH •HYDRAULIC•ELECTRIC•GASOLINE MOTORS



HYDRAULIC MOTOR



ELECTRIC MOTOR



GASOLINE MOTOR



CENTRIFUGAL VENTILATORS - ASPIRATORS

KOMPEL produces a complete range of ventilators/aspirators powerful, effective and easily transportable, their use of ventilation and safety in closed space is mandatory and prescribed by law before, during and after works in environment that can be dangerous, toxic, flammable or explosive like tunnels, basements, manholes, silos, holds, tanks, petrochemical plants, wells, fuel stations, warehouses, mines, laboratories, confined space excavations, sewers ducts, gas distribution networks etc

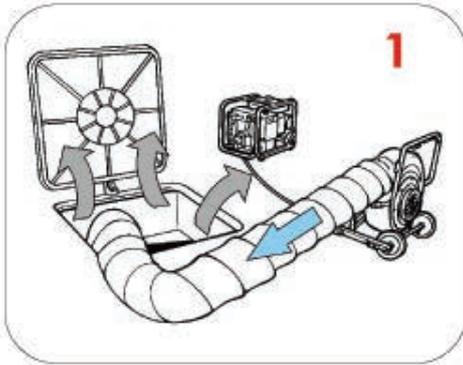
The exclusive KOMPEL system to fix the hoses on tools allows a quick installation on the mouth by simply "button up" the hose edge on pins only by hands without needing screw drivers or belts/clamp. The volute and air fan can be washed up without problems as are in polyethylene, maintenance necessity is minimal. Very robust thanks to the construction in polyethylene and stainless steel are invulnerable to impacts rust water and from the corrosion of the majority of acids and chemical agents.

NOTES ON SAFETY IN THE USE OF THE ASPIRATORS

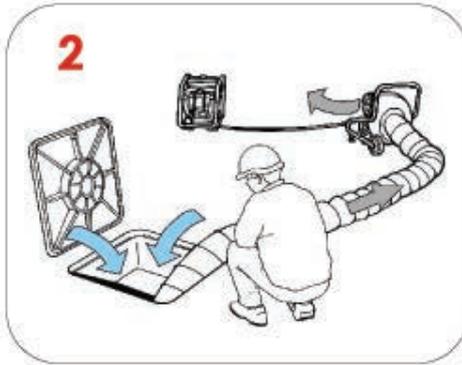
- For maximum safety, never use tool in aspiration if it is not known the nature of the fumes or if cannot exclude that the fumes to be sucked could be flammable or explosive, in such a case or in doubt tool must only be used as POSITIVE ventilator blowing into the ambient ventilating and making a sort of "air wash" of the ambient
- Aspiration and then centrifuging / pressurizing explosive gases makes them even more explosive in the event of a spark ignition.
- The hydraulic models, single-phase or electric single-phase, can only suck toxic or poisonous (but not explosive) fumes such as exhaust gas, welding fumes, CO2, powders etc.
- It occurred many times that in the attempt to help a victim stunned from gas also the rescuers remain victim from the gas as it was not realized the motive of the accident and the toxicity of the ambient.
- Some gas and even the lack of oxygen are odorless so can be fatal without giving suspects or signs of danger.



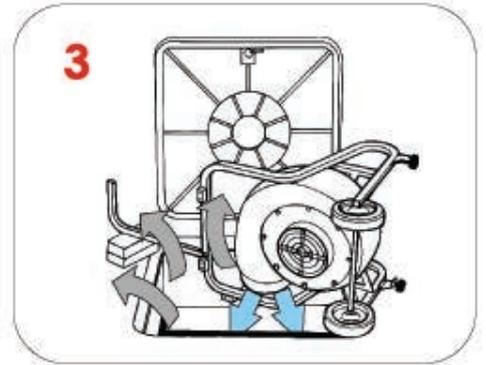
VENTILATORS - ASPIRATORS



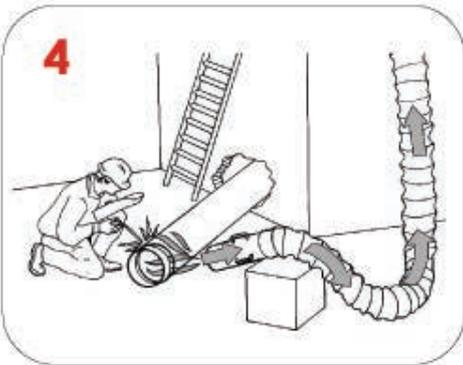
1
*Ventilation of manholes
and closed ambients*



2
*Aspiration in manholes
and closed ambients*



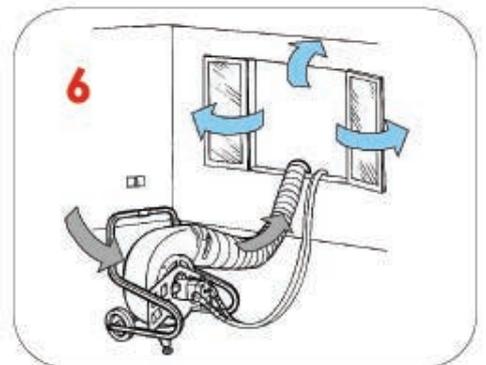
3
*Direct ventilation without
air hose*



4
*Suction of welding fumes
in indoor works*



5
*Aspiration and ventilation
in a precise point*



6
*The fans can be positioned
directly in the closed
environment*



PE18H

HYDRAULIC VENTILATOR/ASPIRATOR

Ventilation positive and negative



TECHNICAL CHARACTERISTICS

WEIGHT Kg	21
DIMENSION cm LxPxH	60 x 57 x 74
MOUTH DIAMETER	200 mm (8")
OIL FLOW L/min	20 - 40
OIL PRESSURE Bar	100 - 210
VOLUTE AND FAN	Polyetilene
AIR FLOW	2100 m ³ x h @ 2900 fan speed
INCLINATION	YES, in 3 positions

Practical centrifugal ventilator / aspirator with hydraulic motor. Powerful and easy transportable its use is mandatory by law for putting in safety conditions an ambient before and during operations in closed environment that could be dangerous or explosive like tunnels, basements, manholes, silos, large tanks, holds, wells, petrochemical plants, gas stations, mines, laboratories, narrow trenches, sewers ducts, gas distribution networks, etc...

Extremely light can be inclined and used in more positions, can be used with or without the flexible hose, flexible hoses are needed when the air has to be transported IN or FROM a precise point, without hoses can be used as positive ventilator blower to make a powerful and direct "air wall". The volute and impeller are in robust polyetilene and polypropylene materials invulnerable to water, rust and corrosion, the frame is in indestructible stainless steel

ADVANTAGES

- High power thanks to the possibility given by hydraulic motors to give a high speed to the fan
- Hydraulic motor has no exhaust so can be placed directly in closed ambient
- Absence of electricity makes it implicitly safe, insensible to rain and high water presence
- Quiet, no vibration, minimal maintenance need
- Can be used in more positions or in the normal upward position or inclined on side or back to direct or suck air flow directly from manholes, sewers covers, hatches the volute and the air fan can be washed without problems
- Can be powered from hydraulic power packs or from the hydraulic circuit of trucks, mini excavators, etc
- Hydraulic motor is equipped with safety valve to protect against excess of flow of hydraulic flow / fan speed
- Stainless steel frame with foldable handle and lifting hook for convenient handling
- The air hoses can be mounted on the inlets in just a few moments and without the need for tools thanks to the exclusive quick eyelet system

HO727

VENTILATOR/ASPIRATOR GASOLINE ENGINE

Ventilation positive and negative



TECHNICAL CHARACTERISTICS

WEIGHT Kg	21
DIMENSIONI cm LxPxH	60 x 57 x 74
MOUTH DIAMETER	200 mm (8")
ENGINE POWER	3 Hp HONDA
VOLUTE AND FAN	Polyetilene
AIR FLOW	2100 m ³ x h @ 2900 fan turns
INCLINATION	NO

Practical centrifugal ventilator / aspirator with gasoline engine. Powerful and easy transportable its use is mandatory by law for putting in safety conditions an ambient before and during operations in closed environment that could be dangerous or explosive like tunnels, basements, manholes, silos, large tanks, holds, wells, petrochemical plants, gas stations, mines, laboratories, narrow trenches, sewers ducts, gas distribution networks, etc...

Extremely light can be used with or without the flexible hose, flexible hoses are needed when the air has to be transported IN or FROM a precise point, without hoses can be used as positive ventilator blower to make a powerful and direct "air wall". The volute and impeller are in robust polyetilene and polypropylene materials invulnerable to water, rust and corrosion, the frame is in indestructible stainless steel.

ADVANTAGES

- High power, can be used everywhere in autonomy
- Stainless steel frame with foldable handle and lifting hook for convenient handling
- The air hoses can be mounted on the inlets in just a few moments and without the need for tools thanks to the exclusive quick eyelet system
- The volute and the air fan can be washed without problems -

HE828

ASPIRATOR/VENTILATOR ELECTRIC 230 Volt

Ventilation positive and negative



TECHNICAL CHARACTERISTICS

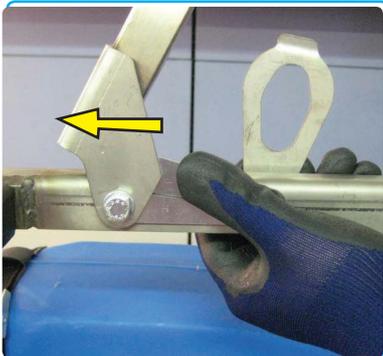
WEIGHT Kg	21
DIMENSION cm LxPxH	60 x 57 x 74
MOUTH DIAMETER	200 mm (8")
ENGINE POWER	1,5 KW - 230 V - 50 Hz
ON/OFF SWITCH	on the motor with emergency button
VOLUTE AND FAN	Polyetilene
AIR FLOW	2100 m ³ x h @ 2900 fan speed
INCLINATION	YES, in 3 positions

Practical centrifugal ventilator / aspirator with 230 V electric motor. Powerful and easy transportable its use is mandatory by law for putting in safety conditions an ambient before and during operations in closed environment that could be dangerous or explosive like tunnels, basements, manholes, silos, large tanks, holds, wells, petrochemical plants, gas stations, mines, laboratories, narrow trenches, sewers ducts, gas distribution networks, etc...

Extremely light can be inclined and used in more positions, can be used with or without the flexible hose, flexible hoses are needed when the air has to be transported IN or FROM a precise point, without hoses can be used as positive ventilator blower to make a powerful and direct "air wall". The volute and impeller are in robust polyetilene and polypropylene materials invulnerable to water, rust and corrosion, the frame is in indestructible stainless steel

ADVANTAGES

- Can be power by common home electric sockets or from small generators
- Electric motor has no exhaust so can be placed directly in closed ambient
- Quiet, no vibration, minimal maintenance need
- Can be used in many positions or in the normal upward position or inclined on side or back to direct or suck air flow directly from manholes, sewers covers, hatches, etc.
- Stainless steel frame with foldable handle and lifting hook for convenient handling
- The air hoses can be mounted on the inlets in just a few moments and without the need for tools thanks to the exclusive quick eyelet system



Folding handle with locking system



Detail of the quick installation system of the hoses on the tool mouth

