

# Orchard / Vineyard

Advanced technique



# MERCURY





### The HARDI diaphragm pump

The MERCURY is standard equipped with the HARDI 363 HEAVY DUTY pump. The 363 HD is specially designed for the abrasive chemicals used in orchard and vineyards. HARDI offers a 5 year prorated warranty on all pumps. Model 363/7- 36.0 gpm.

The HARDI diaphragm pumps are:

- Self priming
- Able to run dry with out damage
- Easy to service
- Grease lubricated (dry crank case)
- Positive displacement



### EVC control unit

The EVC/2 has electrical remote control of all functions and is available with 2 distribution valves. The pressure regulation valve is made of stainless steel for maximum resistance to aggressive products, and the rest of the vital parts are completely sealed off from the spray liquid. The EVC unit includes pressure equalization device and pressure gauge. Maximum working pressure is 200 psi.



### Frame

The chassis is made of special UPN steel profiles providing robust durability and resistance to vibrations. The design and construction prevent accumulation of dirt and thereby prevent corrosion.

For further protection against corrosion, the manufacturing process of the metallic parts are steel shot blasted, then treated with a powder coat paint finish. The chassis incorporates a jack wheel, wheel scrapers and a non-slip footstep that can be folded up when not used.



### HARDI Tanks

Made of polyethylene and are extremely strong and flexible ensuring that the tanks can withstand any kind of vibration. The use of polyethylene gives HARDI the capabilities to design tanks that are very compact, narrow, and molded in specific shapes to optimize overall design and performance. All HARDI tanks are made of seamless UV protected polyethylene. They are specifically designed to resist abrasive chemicals and liquid fertilizers used in agriculture all over the world. All tanks are puncture resistant, and designed with large deep sumps for optimal pump priming, cleaning, agitation, and complete emptying on slopes and side hills. 600 gal. size available



### 32" or 36" Super Flow Axial Fan

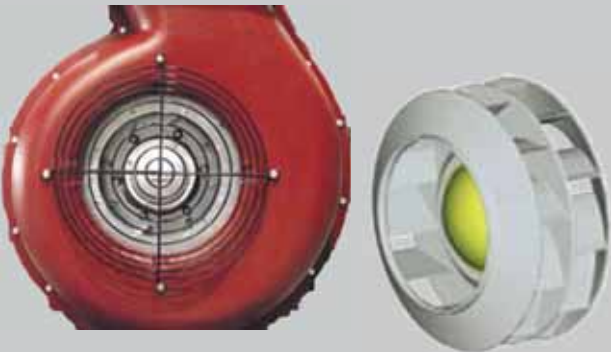
HARDI has used the latest high tech engineering tools and computer simulations to design and test this new generation of fans. Because of the extensive research HARDI has developed the most efficient fan ever offered on a sprayer. The fan will move more air with less power than any other fan on the market. The uniformity of the air distribution is equally important, and the fan is therefore designed with a smooth polyethylene fan housing (same material as the tank) with as few restrictions of the air flow as possible. The fan blades and hub are made of aluminum and high strength poly making the fan lightweight, strong and durable. The pitch of the blades can be altered to match most crops or tractor sizes.(3 positions)



### The HARDI CANNON

Adapts to any crop type, providing optimum air distribution and maximum air volume providing the versatility and power so sought after in today's farming.

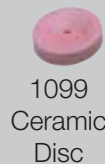
- 200 degree spout rotation
- Spout Angling of +80 to -10 degrees
- 21 hollow cone ceramic nozzles
- All positioning is hydraulically controlled



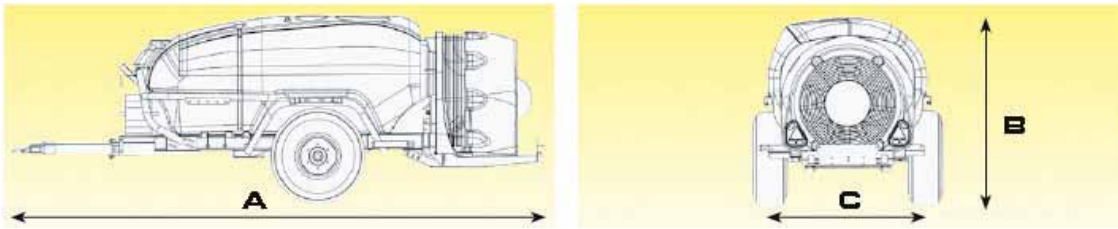
### Air kits

The air kits are our secret to give you first-class application. Designed by aerodynamic specialists, the air kits have better air distribution, a lower noise level and lower power consumption. The fans and turbines are made of steel, aluminium and polyethylene and incorporate a centrifugal clutch (patented) that assures minimum wear to the sprayer and to the tractor.

### Nozzles







**A = 170" / B = 63" / C = 57" / Weight - Empty 2827 lbs. / Full 8670 lbs. Capacity - 600 gallon**

**Better application performance and efficiency**

The quality and the volume of the generated air flow improve the over-all performance of the machines. You can treat at a higher forward speed and still obtain first-class penetration and efficiency of the application.

**Reliable and simple**

The design of the HARDI sprayers will meet your demands: A robust machine that is easy to use.

**High safety standards**

With the operators' safety in mind, all areas that are exposed to chemical products have been placed at the rear part of the machine.

**Minimized off-target application**

Drift and re-circulation of the air are kept to a minimum, thanks to the design of the air kits and nozzle placement.



**For more than 40 years**, HARDI has developed and manufactured mistblowers to most of the world. We have cooperated closely with agronomists and many other specialists in order to present a reliable and high performing sprayer to the farmer. The quality of the spray application is of the highest importance in order to ensure a vigorous crop giving a high yield. HARDI places the greatest emphasis on the development of the air kits along with all the other parts of the sprayer, in order for the farmer to achieve the best application at the lowest possible production cost.



*HARDI reserves the right to change the specifications without notice. Illustrations shown may include optional extras and accessories.*



**HARDI NORTH AMERICA INC.**

1500 West 76th St  
 Davenport, IA 52806  
 Phone: (563) 386-1730  
 Fax: (563) 386-1280

337 Sovereign Road  
 London, ON N6M 1A6  
 Phone: (519) 659-2771  
 Fax: (519) 659-2821



The Sprayer

[www.hardi-us.com](http://www.hardi-us.com)