# HYDROPNEUMATIC VINEYARD CULTIVATORS



CH-V Hydraulic Pneumatic Tiller for Vineyards

The DIR CH-V is Di Raimondo's hydro-pneumatic tiller, which has been specifically designed for use in viticulture and confined spaces. Engineered to operate with surgical precision between rows, this cultivator works the soil while respecting its natural stratigraphy and promoting root aeration. This makes it the ideal tool for those seeking excellence in vineyard maintenance.

Key Features

· Extreme Agility and Care for the Tree: Thanks to its specially shaped frame and adjustable attachments, you can work under low canopies and in confined spaces without damaging branches or fruit.

· NO-STOP Hydropneumatic System: Thanks to its hydraulic pistons, this machine can easily overcome obstacles such as stones or roots, instantly restoring its working position without interruption.

· Comfort and Mechanical Protection: The system absorbs shocks and vibrations, thereby protecting the integrity of the frame, reducing mechanical stress on the tractor, and minimising operator effort and fatigue.

· Operational Efficiency and Savings: The tractor's grip on the ground is increased by the unique arrangement of the components, which reduces slippage and ensures immediate savings on fuel consumption.

· Soil and Weed Management: The sharp-edged coulters can break up even the toughest soils effectively, uprooting weeds and exposing their perennial roots to the elements so that they can be naturally devitalised.

· Guaranteed Longevity: The CH-V is a durable investment, constructed from high-strength steel to withstand wear and tear over time.

Performance and Field Test

The DIR CH-V stands out thanks to its adaptability to different soil types:

· Working Depth: With an operating depth of up to 30 cm, this machine is ideal for subsoiling without disturbing the soil structure.

· Results on Difficult Soils: During testing on medium-textured soils with a high silt and clay content, the CH-V showed exceptional performance in breaking up large clods in a single pass.

· Effectiveness on Hard Soil: This machine maintains constant traction and perfect inertia, ensuring an optimal seedbed, even on loamy, tough or stony soils.

## Technical Data

| |  |  |  |  |  |  |
|---|---|---|---|---|---|---|
| **Model** | **Overall Width** | **Row spacing** | **Working width** | **Working depth** | **Weight** | **Power** |
| | CM | CM | CM | CM | KG | HP |
| CH-5V | 160 | 34,5 | 160 | 30 | 400 | 80-100 |