



**VET7 IS A MANUFACTURER OF HIGH-QUALITY EGG INCUBATORS AND HATCHERS**



## HATCHER SPECIFICATION

Model: **V-tech0005**

Single Stage Hatcher



### HATCHER CAPACITY

|                    |             |
|--------------------|-------------|
| Duck Egg (C)       | 11,520 Eggs |
| Capacity of Tray   | 30          |
| Number of Egg tray | 384         |
| Racks per cabinet  | 08          |

### DIMENSIONS

|                      |                                     |
|----------------------|-------------------------------------|
| Length               | 2.50 m /8.20 ft                     |
| Width                | 3.60 m/11 ft                        |
| Height               | 2.25 m/7.38 ft                      |
| Electrical Condition | 115/230V AC, 50 Hz, Single Phase AC |
| Installed Area       | 90 sft                              |
| Weight               | 1,050kg                             |

### Electrical Consumption

5 kw

## TROLLEYS:

| Function    | Hold and turn the egg when it needs |
|-------------|-------------------------------------|
| Number      | 8 trolleys for each Hatcher         |
| Length (mm) | 1,620                               |
| Width (mm)  | 580                                 |
| Height (mm) | 1,970                               |

## The Trolley Equipped with:

- ☐ Strong and solidly welded Iron/Galvanized steel.
- ☐ Two-layer coating to avoid corrosion.
- ☐ Shock absorbing high-quality rubber wheels and that makes it easy to handle.
- ☐ Easy to clean and suitable for automated washing machines.
- ☐ Compatible with almost all previous and current single-stage VET7 setters.



## HATCHER BASKETS:

| Function | Hold the egg                    |
|----------|---------------------------------|
| Number   | 48 Trays in a Trolley (Chicken) |
| Capacity | 30 Duck Eggs                    |

## FEATURES:

- ☐ Hold the egg until it hatched
- ☐ Maintains its shape.
- ☐ Commercial Resistance
- ☐ Easy to wash up to 85°C
- ☐ Compatible with almost all single-stage VET7 Hatchers.

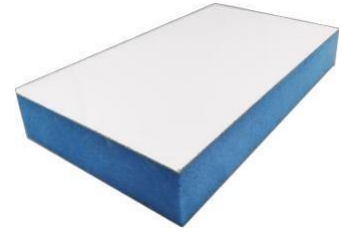


## ISOLATION SYSTEM:

|                             |                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Function</b>             | Keeping the egg inside the Hatcher isolated from external effects like humidity, temperature, fire, water... etc |
| <b>Panel</b>                | High-quality fiberglass sandwich panel with polystyrene core                                                     |
| <b>Heat resistance</b>      | Between -40 and + 120 °C                                                                                         |
| <b>Corrosion resistance</b> | Anticorrosive                                                                                                    |
| <b>Applicable</b>           | All dry and wet areas                                                                                            |

## FEATURES:

- ☐ No leakage.
- ☐ No crumbling or diminishing.
- ☐ Easy-to-clean, anti-corrosive surface.
- ☐ High Resistance to heat and chemicals.
- ☐ Provide continuous thermal insulation.
- ☐ Prevent swellings and mold growth from the inside.
- ☐ They don't get old and lose their properties in time.
- ☐ Ensure savings in electricity consumption since less heating / cooling will be Used.



## DISPLAY:

|                       |                             |
|-----------------------|-----------------------------|
| <b>Size</b>           | <b>LCD 7' inch.</b>         |
| <b>Control</b>        | Microprocessor              |
| <b>Language</b>       | Turkish, English and Arabic |
| <b>Screen Type</b>    | TFT-LCD touch screen.       |
| <b>Origin</b>         | Swedish Company             |
| <b>Operating Temp</b> | - 10 to + 60 C              |
| <b>Humidity</b>       | 5%-85%                      |
| <b>History track</b>  | Extended.                   |
| <b>Memory</b>         | 1.5 GB application memory   |
| <b>Control panel</b>  | Vet-Tech 22 TM              |

## DISPLAY FUNCTION:

- ☐ Monitoring and controlling all Hatcher functions.
- ☐ The touch control is sophisticated and very precise



## SENSOR:

| Origin         | Europe origin (High-Quality product)       |
|----------------|--------------------------------------------|
| Working Range  | 10...95 % RH                               |
| Accuracy       | Accuracy at 20 C +/- 2.5 %RH               |
| Operation Temp | - 40...60 C (-40 ... 140 F)                |
| Storage Temp   | -20...60 C (-4 ... 140 F)                  |
| Function       | Measuring hatcher temperature and humidity |



## HEATING:

| Function       | Controlling the hatcher temperature by increasing it heats |
|----------------|------------------------------------------------------------|
| Working system | Electrical                                                 |
| Capacity       | 2200 Watt                                                  |
| Quantity       | 2 (1 main Heater, 1 supplemental heater)                   |
| Model          | Watt inox heater                                           |



## COOLERS:

| Function       | Controlling the hatcher temperature by decreasing it heats |
|----------------|------------------------------------------------------------|
| Working system | Water                                                      |
| Quantity       | 2 Solenoid Valves.                                         |
| Size           | 16 mm Copper Pipe                                          |



## HUMIDIFICATION:

| Function       | Controlling the hatcher Humidity by Spraying water |
|----------------|----------------------------------------------------|
| Working system | Spray nozzle                                       |
| Quantity       | 2 Spray nozzle                                     |
| Capacity       | 1.5 gal./hr at 55 p.s.i                            |



## VENTILATION: (AIR COOLED SYSTEM)

- ☐ Ventilation is important in incubators and hatcheries because fresh oxygenated air is needed for respiration.
- ☐ Air cooled
- ☐ Pneumatically Operated air Cylinders.
- ☐ The humidity and airflow are slightly higher at the hatcher than the setter.

## A-THE UPPER FAN

- ☐ Function: keeping the air flowing to the Hatcher.
- ☐ Speed: 1620 rpm
- ☐ Quantity: 1 (16" fans, 1/3 HP, Plus Heater)



## B-THE INSIDE FAN

- ☐ Function: keeping the air flowing equally inside the Hatcher.
- ☐ Raw material: Stainless steel 304 (The fan & the fan holder)
- ☐ Speed: 1620 rpm
- ☐ Quantity: 2 (16" fans, 1/3 HP, Plus Heater)



## C- AIR DAMPER:

- ☐ Function: Controlling the movement of the ventilation holes.
- ☐ Model: Belimo brand.
- ☐ Origin: Swiss origin (High-Quality product)
- ☐ Quantity: 1



## MOTOR:

|                |                                                                                |
|----------------|--------------------------------------------------------------------------------|
| Function       | Controlling the movement of the fan that circulates the air inside the Hatcher |
| Water Pressure | 390 kPa/55 p.s.i                                                               |
| Quantity       | 1                                                                              |
| Capacity       | 2.2 KW (Spray Nozzle)                                                          |



## THE HATCHER IS EQUIPPED WITH

- ☐ An electrical diagram and all of its wires are numbered in the electric panel with a German numeral system.
- ☐ All electric parts are from Schneider Electric, Omron, Schrack, Delta, Nexans Tele technique, and Phoenix. All are from French, Asteria, Swiss, Swidden, Korea, And Japan origins
- ☐ Bearings: SKF from Germany (High Quality Product)





## Incubators & Hatcheries

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