



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



HATCHER SPECIFICATION

Model: **V-tech0004**

Single Stage Hatcher



HATECHER CAPACITY

Chicken Egg (C)	17,280 Eggs
Capacity of Tray	192
Number of Egg tray	90
Racks per cabinet	04
Weekly Setting	2

DIMENSIONS

Length	2.15 m /7.05 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	77 sft
Weight	1,050 kg

Electrical Consumption

5 kw

TROLLEYS:

Function	Hold and turn the egg when it needs
Number	4 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	90 Chicken 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:

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



DISPLAY:

Size	LCD 7' inch.
Control	Microprocessor
Language	Turkish, English and Arabic
Screen Type	TFT-LCD touch screen.
Origin	Swedish Company
Operating Temp	- 10 to + 60 C
Humidity	5%-85%
History track	Extended.
Memory	1.5 GB application memory
Control panel	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 nozzles
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" Fan, 1/3 HP)



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" Fan, 1/3 HP)



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



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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