



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



SETTER SPECIFICATION

Model: **V-tech0024**



SETTER CAPACITY	
Chicken Egg (C)	1,03,680 Eggs
Capacity of Tray	90
Number of Egg tray	1152
Racks per cabinet	24
Weekly Setting	2 per week
DIMENSIONS	
Length	7.10 m /23.29 ft
Width	4.20 m/13.78 ft
Height	2.50 m/8 ft
Electrical Condition	115/230V AC, 50 Hz, Single Phase
Installed Area	320 sft
Weight	4,050 kg
Electrical Consumption	5 kw

TROLLEYS:

Function	Hold and turn the egg when it needs
Number	24 trolleys for each setter
Length (mm)	1,666
Width (mm)	565
Height (mm)	2,037

The Trolley Equipped with:

- Strong and solidly welded Iron/hot Dipped 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.



TRAYS:

Function	Hold the egg
Number	48 Trays in a Trolley (Chicken)
Capacity	90 Eggs

FEATURES:

- Easy to stack and store.
- Maintains its shape.
- It's designed in a way that ensures the airflow is circling around the entire surface of the egg.
- It ensures correct positioning of the eggs regardless of its shape and size.
- The black paint minimizes the light reflection.

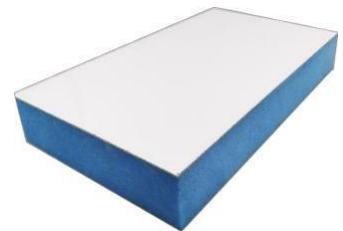


ISOLATION SYSTEM:

Function	Keeping the egg inside the setter isolated from external effects like humidity, temperature, fire, water... etc
Panel	High-quality fiberglass sandwich panel with polystyrene core
Sheet	2 Sheet of FRP
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:

Model	Beijer X2pro.
Size	LCD 7' inch.
Resolution	800 × 480 (16:9)
Control	Microprocessor
Language	Turkish, English and Arabic
Screen Type	TFT-LCD touch screen.
Origin	Swedish Company
Mechanical size	204 X 143 X 50 mm
Operating Temp	- 10 to + 60 C
Humidity	5%-85%
History track	Extended.
Memory	1.5 GB application memory
Control panel	Vet-Tech 20 TM

DISPLAY FUNCTION:

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



SENSOR:

Model	E+E 160
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 setter temperature and humidity



HEATING:

Function	Controlling the setter temperature by increasing it heats
Working system	Electrical
Capacity	3500 Watt
Quantity	2 (1 main Heater, 1 supplemental heater)
Model	Watt inox heater



COOLERS:

Function	Controlling the setter temperature by decreasing it heats
Working system	air
Quantity	2 Solenoid Valves.
Size	16 mm Copper Pipe



HUMIDIFICATION:

Function	Controlling the setter Humidity by Spraying water
Working system	Spray nozzle
Quantity	4 spray nozzles
Capacity	3 gal./hr at 55 p.s.i



VENTILATION: (AIR COOLED SYSTEM)

- Laminar Air Flow System
- Air Cooled
- Pneumatically operated air cylinders
- Ventilation is important in incubators and hatcheries because fresh oxygenated air is needed for respiration.
- The oxygen needs are small during the first few days compared to the latter stages of development.

A-THE UPPER FAN

- Function: keeping the air flowing to the setter.
- Speed: 1620 rpm
- Quantity: 2 (16" Fan, 115/230V, 1/3 HP)



B-THE INSIDE FAN

- Function: keeping the air flowing equally inside the setter.
- Raw material: Stainless steel 304 (The fan & the fan holder)
- Speed: 1620 rpm
- Quantity: 4 (16" Fan, 115/230V, 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



TURNING:

- Function: Controlling the movement of the setter trolleys to mimic the conditions and experiences of a brooding chicken and that prevents the developing embryo from adhering to the extra-embryonic membranes and reduces the possibility of embryo mortality.
- Working system: Pneumatic.
- Stroke: 190mm Hydraulic.
- Origin: from one of the best companies in Turkey (High-Quality product)
- Quantity: 2



MOTOR:

Function	Controlling the movement of the fan that circulates the air inside the setter
Water Pressure	390 kPa/55 p.s.i
Quantity	2
Capacity	3 KW



THE SETTER 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, Japanese and Turkish origins
- Bearings: SKF

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Incubators & Hatcheries

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THE RESULT

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SETTERS & HATCHERS
HATCHERY EQUIPMENT
COUNTING & VACCINATION

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