گسترش صنایع و خدمات کشاورزی

(سهامی عام)

گسترش صنایع و
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Setter
Specification

Model: 1152

Single Stage

Capacity	
Chicken Egg (C)	115,200

Dimensions	
Depth	7.00 m
Width	4.20 m
Hight	2.25 m
Electrical Condition	**380v AC, 50 Hz, 18 Kw**

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Isolation system:

Hi-quality fiberglass sandwich panel.

- Function: keeping the egg inside the setter isolated from outside effects like Humidity, Temperature, Fire, Water… etc.
- 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, mold growth from the inside.
- They don’t get old and lose their properties in time.
- thermal Ensure saving electricity consumption since less heating / cooling devices will be used.

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Display:

- Function: Monitoring and controlling all setter functions.

  The touch control is sophisticated and very precise.

Features:

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

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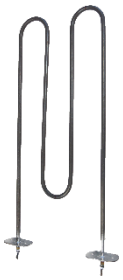
Sensor:

- Function: Measuring setter temperature and humidity.
- Model: E+E 160
- Origin: Austria origin (High-Quality product)
- Working Range: 10…95 % RH
- Accuracy at 20 C +- 2.5 %RH
- Operation Temp: - 40...60 C (-40 … 140 F)
- Storage Temp: -20…60 C (-4 … 140 F)
- Adding second sensor is optional.

Heating:



- Function: Controlling the setter temperature by increasing it heats.
- Working system: Electrical.
- Quantity: 12
- Capacity: 1000 each.
- Model: Watt inox heater.

Coolers:

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

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Humidification:

- Function: Controlling the setter Humidity by Spraying water.
- Working system: Spray nozzle.
- Quantity: 2

Ventilation:

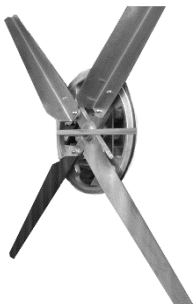
Ventilation is important in incubators and hatchers because fresh oxygenated air is needed for respiration.

The oxygen needs are small during the first few days compared to the latter stages of development.

A-The upper Fan

- Function: kipping the air flowing to the setter.
- Quantity: 2

B-The inside Fan



- Function: kipping the air flowing equally inside the setter.
- Row material: Stainless steel **304** (The fan & the fan holder)
- Quantity: 4

C- Air Damper:

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

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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 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: 1

Motor:

- Function: Controlling the movement of the fan that circulates the air inside the setter.
- Model: ABB brand (one of the best motors in the world) - (High-Quality product)
- Quantity: 2
- Capacity: 3 KW

The Setter 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 Telemecanique**, and **Phoenix** all are from French, Japanese and Turkish origins
- brings: SKF

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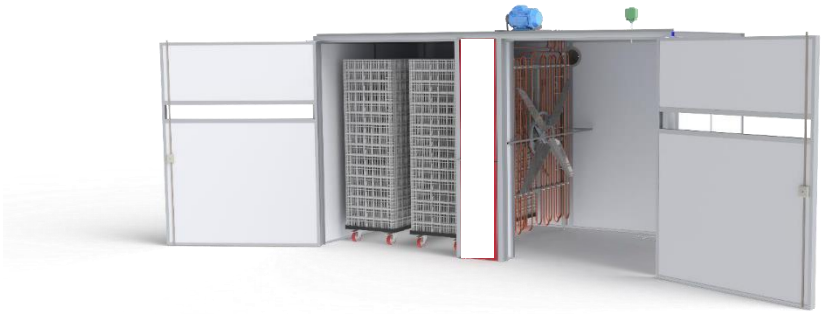
Hatcher Specification

Model: 192

Single Stage Hatcher



Capacity	
Chicken Egg (C)	19,200
Turkey eggs (T)	14,112
Duck eggs (D)	14,112
Dimensions	
Length	2.08 m
Width	3.60 m
Hight	2.25 m
Electrical Condition	380v AC, 50 Hz
Electrical Consumption	**5 kw**

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- Humidity: 5%-85%
- History track: Extended.
- 1.5 GB application memory.
- Control panel: VTech 20 ™

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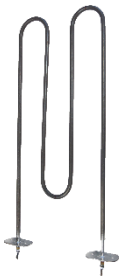
Heating:



- Function: Controlling the setter temperature by increasing it heats.
- Working system: Electrical.
- Quantity: 6
- Capacity: 500 each.
- Model: Watt inox heater.

Coolers:

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

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Humidification:

- Function: Controlling the setter Humidity by Spraying water.
- Working system: Spray nozzle.
- Quantity: 1

Ventilation:

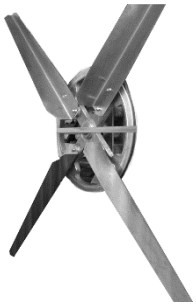
Ventilation is important in hatchers because fresh oxygenated air is needed for respiration.

the humidity and airflow are slightly higher at the hatcher than the setter

A-Fan

- Function: kipping the air flowing to the Hatcher.
- Quantity: 1

B-The inside Fan



- Function: kipping the air flowing equally inside the Hatcher.
- Row material: Stainless steel **304** (The fan & the fan holder)
- Quantity: 2

C- Air Damper:

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

Motor:

- Function: Controlling the movement of the fan that circulates the air inside the setter.
- Model: ABB brand (one of the best motors in the world) - (High-Quality product)
- Quantity: 1
- Capacity: 2.2 KW

The Hatcher equipped with

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