



## HAPPY CHICK INCUBATORS

AA-264

AA-528

AA-3K6



AA-352

AA-1K0

AA-2K1



## Introduction

Thank you for choosing our incubators HAPPY CHICK.

Our incubators and hatchers are available in many different models and sizes with capacities ranging from (264 to 3600).

Your choice depends of the type and measurement requirements of the project of appropriation on your requirements and future plans to expand the project.

### **Al-Adham Hatcheries Feature**

- 🐣 Micro computer fully incubator control.( temp ,humidity ,ventilation , turning ,light , and alarms).
- 🐣 Digital indicator for temperature and humidity.
- 🐣 Easy interface, bird select button and setter/ hatcher select button.
- 🐣 Swiss made sensor (temperature and humidity).
- 🐣 Powder coated body with aluminum frames (28mm insulation foam).
- 🐣 Smart turning system.
- 🐣 Ultra sound humidifier with direct water inlet (water line pressure 0.1 to 2 bar).
- 🐣 Automatic ventilation with forced fan.
- 🐣 Automatic cooling with forced fan.
- 🐣 Alarm system, hi temp, low temp, hi humidity, door open and water level.
- 🐣 Egg try can carry 88 or 150 hen eggs.( optional trays :221 quail eggs, 63 turkey eggs, 48 goose eggs, 16 emu eggs or 9 ostrich eggs.
- 🐣 Working room conditions: 28°C > temp > 22°C and 70% > humidity >10%.
- 🐣 One year warranty.
- 🐣 Spare parts available.
  
- 🐣 Note: Specifications subjects change without prior notice.



## Operating Instructions

### Connections

- 🐣 connect the water line of the incubator through a water filter max 5 micron to the water tap ½" standard.
- 🐣 connect the power cable 230V, 50-60Hz to 13Amp socket.
- 🐣 connect the humidifier base outside the incubator and fix it with the proper 2 screw (available on the side) then connect the 3 pin power connector.

### Prepare the Machine For Use

- 🐣 Be sure first that the supply voltage is 220-240 VAC 50-60HZ.
- 🐣 The room temperature 24-28° C and 60% relative humidity.
- 🐣 Put the eggs in the trays.
- 🐣 Spray the eggs with suitable disinfectant.
- 🐣 Switch the power to the ON position (the Power light indicates if power is ON).
- 🐣 Warm up the incubator 2-3 hours before putting eggs to stabilize the system.
- 🐣 Be sure that the room temperature is 25° C



## **Use Of Incubator**

- 🐣 select the starting method from the following:
  - 1.1 at the starting put the eggs in the trays (18 days for hens) and select the operation as setter from the push button “setter/hatcher” on the controller and check that only the yellow indicator “setter” is on.
  - 1.2 after 18 days shift the eggs to the hatching basket (3 days for hen) and select the operation as hatcher from the push button “setter/hatcher” on the controller and check that only the yellow indicator “hatcher” is on.
  - 1.3 when you enter the eggs as stages use the machine as a setter and a hatcher at the same time from the “setter/hatcher” button and check both of the setter and hatcher yellow indicator are on.
- 🐣 select the bird type from the following:
  - 2.1 from the “bird” button select hen (the red indicator hen is on) for all bird types except for the goose and ostrich.
  - 2.2 from the “bird” button select goose (the red indicator goose is on) for the goose eggs.
  - 2.3 from the “bird” button select ostrich (the red indicator ostrich is on) for the ostrich eggs.
- 🐣 the egg tray works automatically when you close the door and stop horizontally when you open the door.

After the end of the incubation period (depending on the table in Appendix (2) put the eggs into the hatching baskets, according to the period mentioned in the table.

## **Maintenance**

In order to maintain efficient incubator must be done examining the temperature every year by a specialist (please do contact your dealer or agent in your city).

Incubator must be always clean and make sure that the fan is giving the right atmosphere and that otherwise they must be changed.

That fuse (works when there is change in voltage) it is designed to prevent damage in the incubator.



## Technical Specifications

Subjected to change without notice

	AA-532	AA-264	AA-528	AA-1K0	AA-2K1	AA-3K6
Capacity (hen eggs)	352	264	528	1050	2100	3600
Trays (hen eggs)	4	3	6	7	14	24
Total baskets	1	1	2	7	14	24
Optional baskets	3	2	4	0	0	0
Temperature control	PID digital	PID digital	PID digital	PID digital	PID digital	PID digital
Turning system	Auto	Auto	Auto	Auto	Auto	Auto
Humidity	Ultra sound system	Ultra sound system	Ultra sound system	Ultra sound system	Ultra sound system	Ultra sound system
Ventilation	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Power (Watt)	450	400	600	800	1200	2200
Voltage (Vol) Frequency (Hz)	60-50/240-220	60-50/240-220	60-50/240-220	60-50/240-220	60-50/240-220	220-240/50-60
Dimensions L*W*D(cm)	99x69x89	89x62x69	116x62x68	126 x 90 x 125	202x 90x 120	100x210x185
Weight	39	35	48	110	160	270

## Appendix (2)

Braid	Incubation period	Hatching period
Chicken	18 days Temp:37.7°C RH:54%	3 days Temp :36.9° C RH:65-70%
Turkey	25 days Temp :37.7° C RH:55%	3 days Temp :36.9° C RH:65-70%
Duck	25 days Temp :37.7° C RH:56%	3 days Temp :36.9° C RH:65-75%
Goose	25 days Temp :36.7° C RH:57%	3 days Temp :36.9° C RH:65-80%
quail	15 days Temp :37.7° C RH:48%	3 days Temp :36.9° C RH:65-70%
ostrich	38 days Temp :36.4° C RH:20-35%	4 days Temp :35.5° C RH:30-50%
Pigeon	12 days Temp :37.7° C RH:54%	3 days Temp :36.9° C RH:65-70%
Rock-dove	21 days Temp :37.7° C RH:50%	3 days Temp :36.9° C RH:65-70%
peacock	25 days Temp :37.7° C RH:54%	4 days Temp :36.9° C RH:65-70%