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DONGHO AGRIMECHA



FOOD DRYER

Electric Heater type

Oil / Gas Burner type

Custom made / Tray dryer

GREENHOUSE HEATER



Dongho AgriMecha is a food dryer manufacturer offering innovative solutions to food processing industry enabling people to lead better and richer life. The company is headquartered in Korea and doing good business worldwide.

FOOD DRYER

Electric Heater type

- Tray dryer for small to medium sized production
- Uniform and fast drying by heat blow from sides to sides
- Durable and powerful electric heating element with finned tubular heater
- Easy movement & installation by compact design and 4 casters
- No need to tray reposition while drying since hot air to be supplied uniformly into drying chamber and its every tray



EQ-03SW

- Uniform drying
- Power-saving type dryer
- Uniform and fast drying by heat blow from sides to sides
- Exceptional durability



Standard Specifications*

Model		EQ-03SW
Dimension(mm)	Length	1000
	Width	740
	Height	1850
Weight(Kg)		150
Drying Capacity **	Drying Area(m ²)	6.12
	Case of pepper(Kg)	100
Number of Tray(ea)		12
Size of Tray(mm ²)		885 x 605 x 50
Space between Trays(mm)		100
Electric Power Source		220V * Single phase
Electric Heater	Type	Finned Tublar
	Heating Capacity(KW)	3.0
Blower	Type	Turbo Fan / Motor Class F
	Motor Wattage(KW)	0.35
Temp. Control	Type	Digital Themostat
	Control	Dry Bulb Temperature
	Control Range	Ambient~75℃

* Specifications are adjustable to customer's requirements

** Drying capacities have been measured with standard trays

EQ-04SW

- Available in a small space
- Wide drying room

- Suitable for frequently used farms by Rugged design
- Uniform heat supply



■ Standard Specifications*

Model		EQ-04SW
Dimension(mm)	Length	1035
	Width	1020
	Height	1850
Weight(Kg)		210
Drying Capacity **	Drying Area(m ²)	7.65
	Case of pepper(Kg)	130
Number of Tray(ea)		20
Size of Tray(mm ³)		885 x 460 x 50
Space between Trays(mm)		120
Electric Power Source		220V * Single phase
Electric Heater	Type	Finned Tublar
	Heating Capacity(KW)	4.0
Blower	Type	Turbo Fan / Motor Class F
	Motor Wattage(KW)	0.35
Temp. Control	Type	Digital Thermostat
	Control	Dry Bulb Temperature
	Control Range	Ambient~75℃

* Specifications are adjustable to customer's requirements

** Drying capacities have been measured with standard trays

EQ-05SW

- Available separately left and right

- Powerful Turbo Fan and uniform drying
- Short drying time to save energy



■ Standard Specifications*

Model		EQ-05SW
Dimension(mm)	Length	1000
	Width	1445
	Height	1880
Weight(Kg)		280
Drying Capacity **	Drying Area(m ²)	12.24
	Case of pepper(Kg)	200
Number of Tray(ea)		24
Size of Tray(mm ³)		885 x 605 x 50
Space between Trays(mm)		100
Electric Power Source		220V * Single phase
Electric Heater	Type	Finned Tublar
	Heating Capacity(KW)	6.0
Blower	Type	Turbo Fan / Motor Class F
	Motor Wattage(KW)	0.7
Temp. Control	Type	Digital Thermostat
	Control	Dry Bulb Temperature
	Control Range	Ambient~75℃

* Specifications are adjustable to customer's requirements

** Drying capacities have been measured with standard trays

FOOD DRYER

Oil / Gas Burner type

ADSW series

- High capacity and extended drying space
- Uniform and fast drying by heat blow from sides to sides
- Clean dry by applying heat exchanger
- Low operating cost and emission by high efficiency burner
- Separate chamber for burner & blower with drying chamber
- Advanced airflow system enabling hot air to flow horizontally from every sidewall of drying chamber



Standard Specifications*

Model		AD-10SW	AD-20SW
Dimension(mm)	Length	970	1980
	Width	3560	3560
	Height	2040	2040
Weight(Kg)		830	1300
Drying Capacity **	Drying Area(m ²)	28	56
	Case of pepper(Kg)	560	1120
Number of Tray(ea)		56	112
Size of Tray(mm ²)		885 x 605 x 50	
Space between Trays(mm)		95	
Electric Power Source		220V * Single phase	
Burner	Type	Gun Type	
	Fuel	Kerosene, Diesel, LPG or LNG	
	Control	On-Off Control	
	Heating Capacity(Kcal/hr)***	39,000	63,000
Blower	Type	Axial Fan / Motor Class F	
	Motor Wattage(KW)	1.35	2.70
Temp. Control	Type	Digital Thermostat	
	Control	Dry Bulb Temperature	
	Control Range	Ambient~90℃	

* Specifications are adjustable to customer's requirements

** Drying capacities have been measured with standard trays

*** Case of Kerosene burned

Custom made / Tray dryer

Features

- Dongho dryer measures and analyzes the temperature inside drying chamber with digital thermostat and controls heating element and blower at every moment to ensure a stable drying environment
- Safety device; safety alarm system, automatic temperature controller, digital timer, overheat prevention system and circuit breaker have been applied to all models
- Easy operation and cleaning
- High energy efficiency by galvanized steel (optional stainless steel) body with polyurethane insulation
- Standard perforated tray of galvanized steel (optional stainless steel)
- Low noise and powerful blower with axial fan



< Custom made >



< Tray trolley >

■ Applications

Dried foods, as a natural food preservation method, are lightweight, easy to store and travel without refrigeration, making them ideal for backpacking and camping and easy to use in recipes all year long.

- Vegetables : Pepper, Sesame, Mushroom, Jujube, Onion, Tomato
- Fruits : Apple, Mango, Banana, Berries, Cherries, Peaches, Apricots, Plum
- Fishes : Shrimp, Lobster, Cuttlefish, Anchovy
- Herbs : Ginseng, Basil, Chives, Mint, Tarragon, Herbal Pills, Green Tea
- Meats : Beef, Lamb, and Venison can be dried for Jerky, and so on



GREENHOUSE HEATER

Features

- Easy to operate with 4 step temperature setting
- Low noise and powerful blower with axial fan
- High thermal efficiency by lowering exhaust gas temperature
- Durable stainless steel heat exchanger
- Low operating cost and emission by high efficiency burner



< TQ-400 >



< TQ-600 >

Applications

- Greenhouse for Vegetable - Peppers, Cucumbers, Melons, Strawberries, Watermelon, Pumpkin
- Greenhouse for Flower - Roses, Chrysanthemums, Carnation, Gerbera
- Stock Farm for Livestock - Poultry, Cattle, Pig, Carp
- Dryer for various usages - Printing Room, Carpet Factory, and so on

Standard Specifications*

Model	Dimension(mm)	Weight (Kg)	Fuel	Fuel Consumption (liter/hour) **	Electric Power Source	Blower Wattage (kW)	Capacity	
	Length x Width x Height						Kcal/hr ***	Ref.Coverage Area (m)
TQ-400	1400 x 860 x 1310	157	Diesel Kerosene LPG LNG	5.5	220V, single phase,	0.75	40,000	165~230
TQ-600	1645 x 830 x 1375	175		8.2		1.1	60,000	250~350
TQ-1000E	2240 x 990 x 1700	373		13.0		1.1	100,000	500~660
TQ-1200E	2240 x 1020 x 1700	432		15.5		2.2	120,000	660~1000
TQ-1600	2590 x 1060 x 1800	508		21.0	380V, three phase	2.2	160,000	1000~1300
TQ-1800	2670 x 1060 x 1800	550		24.0		3.3	180,000	1300~1650

* Specifications are adjustable to customer's requirements

** Case of max load with Diesel burner

*** Case of Diesel burner

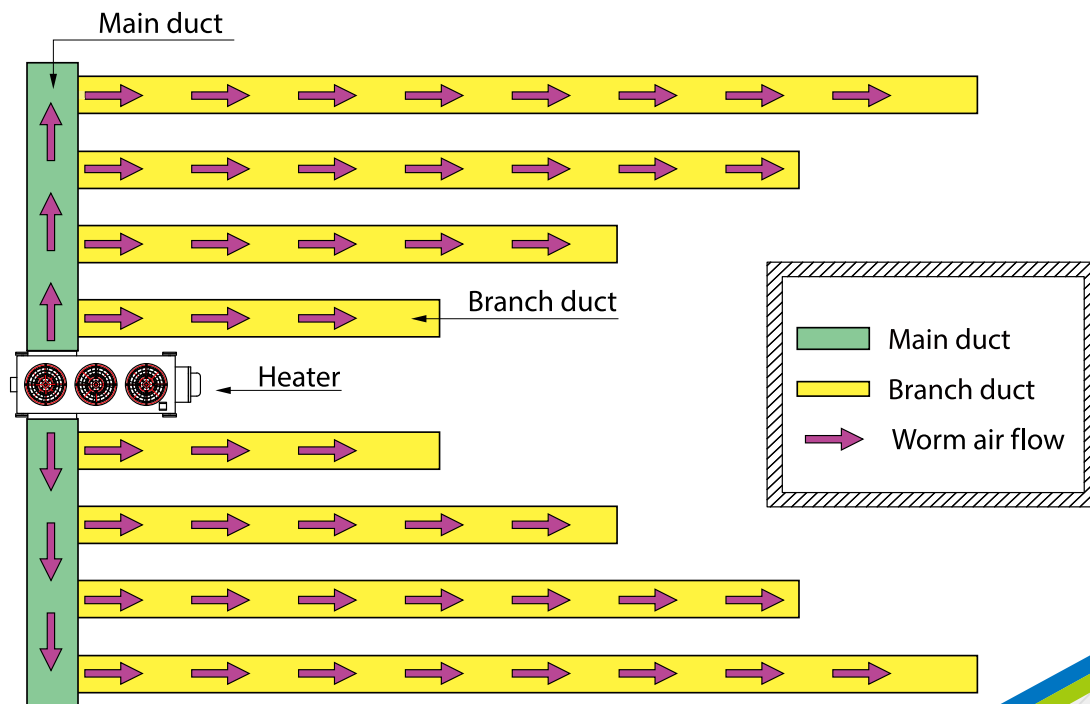


< TQ-1200 >



< TQ-1800 >

■ Greenhouse heater duct layout



**"An illustration showing the warm air circulation
of the heater inside the greenhouse."**



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