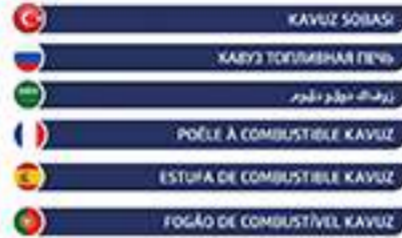


## HUSK FURNACE

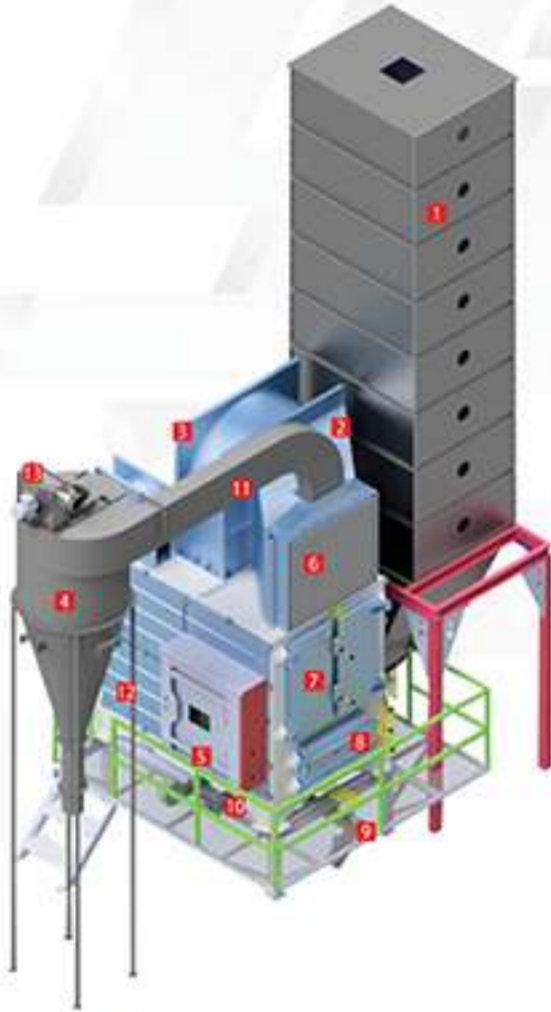


### H-55 HUSK FURNACE

- ✓ No Diesel needed - Energy saving - Reducing CO<sub>2</sub> emission - Reducing drying cost dramatically.
- ✓ Various types of biomass fuels can be consumed. Low drying cost and free from high oil price.



Paddy husk    Pressed straw bricks    Corn cob    Coconut shell    Wood chip    Coffee hull



- ✓ High installation flexibility. H-55 Biomass Furnace is able to be attached to different dryer models.

- Husk tank. (Optional)
- It creates a wall to transmit heat to the fan. There are 4 pieces in total.
- 15 kw Fan; It is used to transmit the hot air drawn from the stove to the machine.
- Cyclone for ash.
- Electrical control panel.
- It is used to transmit the hot air rising in the stove to the fan.
- Fiber and rock wool are used for easy cleaning. (used to reach stove pipes.)
- Fiber and rockwool are used for controlling the fuel and agitator shaft.
- Ash discharge; allows the burnt solid fuel to be discharged from the stove.
- Cover of the burner.
- Pipe that transfers the ash from the stove to the cyclone.
- Fiber and rock wool are used inside the cover to prevent the heat inside from transferring out.
- 1,1kw Cyclone Fan.

### H-55 SPECIFICATIONS

ITEM / MODEL	H-55 AUTO ASH DISCHARGE	
Biomass Fuel		Paddy Husk
Dimension	L x W x H mm	1470 x 2650 x 3345
Net Weight	Approx.kg	3000
Max. Thermal Energy	Kcal / hr	Approx. 180,000 = 21 Liters Of Heat From Burning Diesel
Husk Consumption	Kcal / hr	12 - 100 Approx. Under Max. Combustion
Ash Discharge	Kcal / hr	2,4 - 20 Approx. Under Max. Combustion
Automatic Ash Discharge System		0,55 Kw
Husk Feeder (Optional for Husk And Coffee Hull)		1,1 Kw
Husk Mixer Motor		1,1 Kw
Snail Fan		0,37 Kw Husk / 0,55 Kw Coal
Vibro Motor		0,095 Kw
Cyclone Fan		1,1 Kw
Hot Air Fan		18,5 Kw
Power Consumption	KW HP	19,5 Kw
Safety Devices		Thermo Relay, Overheat Sensor, Control Fuse.

### H-55 SPECIFICATIONS

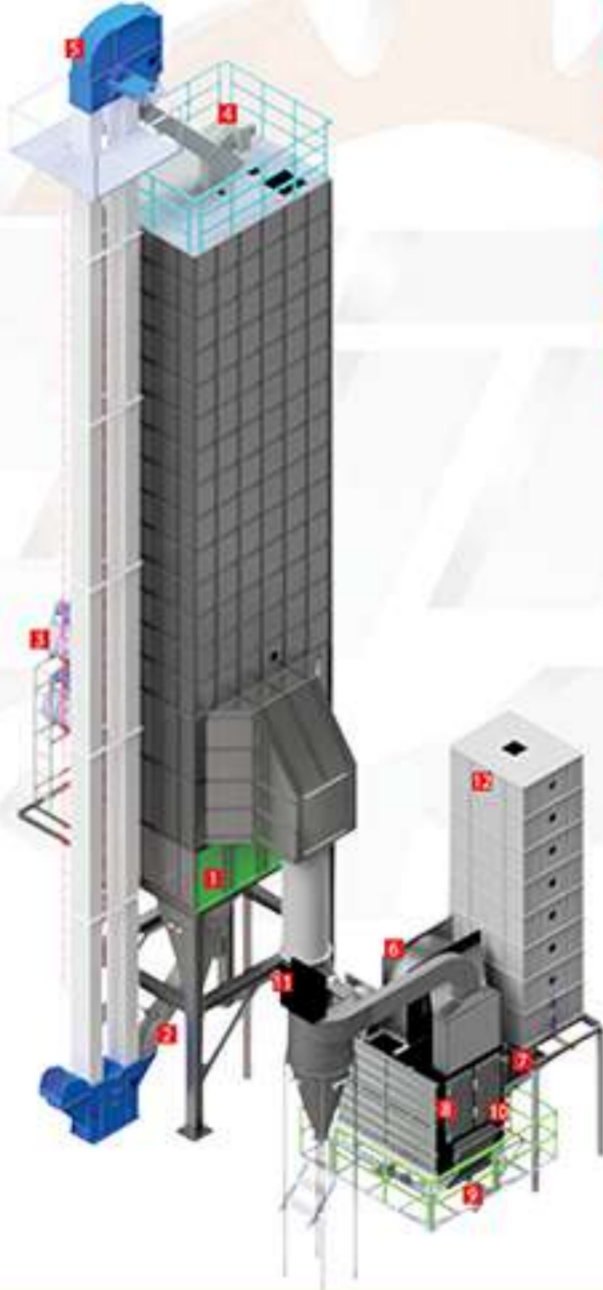
- ✓ Drawings and specifications are for reference only, and actual product specifications are based on the order signed by the customer and the actual product shipped.
- ✓ The maximum calorific value, the amount of chaff burned and the amount of straw ash will vary depending on the type of straw actually used, its moisture content and inclusion.
- ✓ Straw Briquetting Conditions: ① Moisture content is below 13%. ② Heat value should be between 3.700 ~ 4.200 Kcal / kg. ③ The lower the dust content, the better.
- ✓ Performance and drying rate are reference values. The moisture content of rice is rice is dried between 26% and 14% Actual value will vary depending on outside temperature, relative humidity, drying type, hot air temperature and moisture content.
- ✓ The specification and graph is for reference only. Actual specification of YAŞAR product shall be based on the sales confirmation which customers sign and delivered products.
- ✓ H-55 , it is applied only for drying paddy,wheat,corn and all grains.
- ✓ Max. thermal energy, husk consumption and exhausted ash production listed are for reference only. Actual data will differ upon variety, moisture content and impurity.
- ✓ Conditions of pressed straw bricks : ① Moisture content : Less than 13%. ② Thermal energy : 3,700 ~ 4,200 Kcal / kg. ③ Dust content : As low as possible.
- ✓ Above numbers and drying rate are derived from reducing moisture in paddy from 26% to 14% for reference only. Actual results vary among different ambient temperature, relative humidity, grain varieties, hot air temperature, moisture content before and after drying.



HUSK

- C KAVUZ YAKITLI KARE TAHİL KURUTUCU
- B СУШАРКА ЗЕРНА КВАДРАТНОЇ БІОМАСИ
- M यशर ग्रैन क्वेअर ड्रायर
- I SÉCHOIR À GRAINS CARRÉS À BIOMASSE
- S SECADORA DE GRÃO QUADRADA DE BIOMASSA
- S SECADOR DE GRÃOS QUADRADOS DE BIOMASSA

SHY



- 1 Air Lock Gears : 0.75 kw
- 2 Flow Pipe
- 3 Rear Fans : 5.5 x 4 = 22 kw
- 4 Dust Fan : 1.5 kw
- 5 Elevator : 5.5 kw
- 6 Fan : 18.5 kw
- 7 Husk Hopper : 1.1 kw
- 8 Husk Mixer : 1.1 kw
- 9 Ash Discharge : 0.55 kw
- 10 Fire Fan : 0.185 x 3 = 0.55 kw
- 11 Cyclone Fan : 1.1 kw
- 12 Stove Feeding Bunker : 0.095 kw

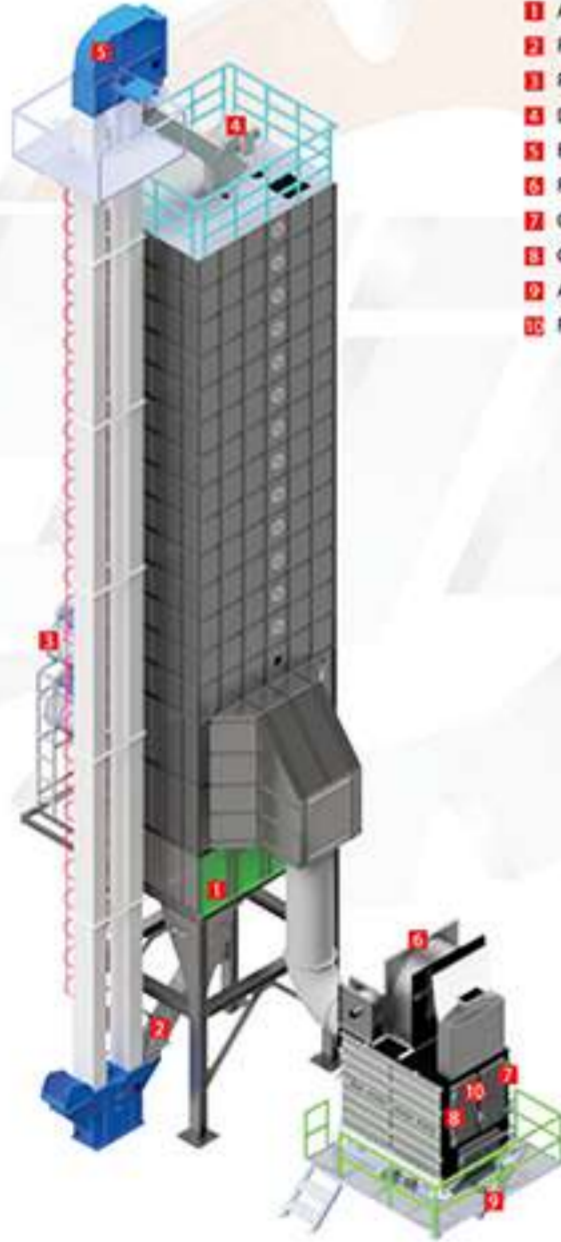
Item / Model		SHY-72	SHY-100
Heat Source		Paddy Husk, Pressed Straw Bricks, Corn Cob, Coconut Shell, Wood Chip, Coffee Hull	
Capacity Approx. kg	Paddy 1 m <sup>3</sup> = 580 kg	42 Ton	58 Ton
	Wheat 1 m <sup>3</sup> = 770 kg	55 Ton	77 Ton
	Corn 1 m <sup>3</sup> = 720 kg	52 Ton	72 Ton
Drying Dimension L(W x H) x H(C) mm		8225 x 4000 x 16947	8225 x 4000 x 19947
Elevator Height mm		19997	23000
Net Weight Approx. kg		17000 Kg	18500 Kg
Required Thermal Energy Per Unit	Paddy-Wheat Approx.Kcal/hr	65.000 - 260.000 Ambient Temp. +10-40°C	
	Corn Approx.Kcal/hr	75.000 - 450.000 Ambient Temp. +10-40°C	
Electricity		3P, 220V / 380V / 415V / 440V, 50 / 60 Hz	
Power Consumption kW		52,5	
Function	Loading Approx. mins	60	60
	Discharging Approx. mins	60	60
	Drying Rate %/hr	0.5 - 1.5	
Raw Material		S-350 Galvanized, interface SS-430 or ST-37 Painted steel, Interface SS-430	
Safety Devices		Thermo - over relay, Air pressure switch, Full load buzzer, Timer, Control fuse.	

- ✓ It is designed as coal, gas, diesel and steam fueled, depending on demand.
- ✓ The mentioned models are standard and more capacity dryers is available for special customers with special requirements.

COAL

- C KÖMÜR YAKITLI KARE TAHİL KURUTUCU
- B УГОЛЬНАЯ КВАДРАТНАЯ ЗЕРНОСУШИЛКА
- A APAR SEQUEU VAIVE CARVÃO
- I SÉCHOIR À GRAINS CARRÉS DE CHARBON
- S SECADORA DE GRÃO QUADRADA DE CARBÃO
- S SECADOR DE GRÃOS QUADRADOS DE CARVÃO

SCY



- 1 Air Lock Gears : 0,75 kw
- 2 Flow Pipe
- 3 Rear Fans: 5,5 x 4 = 22 kw
- 4 Dust Fan : 1,5 kw
- 5 Elevator : 5,5 kw
- 6 Fan : 18,5 kw
- 7 Coal Purchase : 1,1 kw
- 8 Coal Mixer : 1,1 kw
- 9 Ash Disposal : 0,55 kw
- 10 Fire Starter : 0,185 x 3 = 0,555 kw

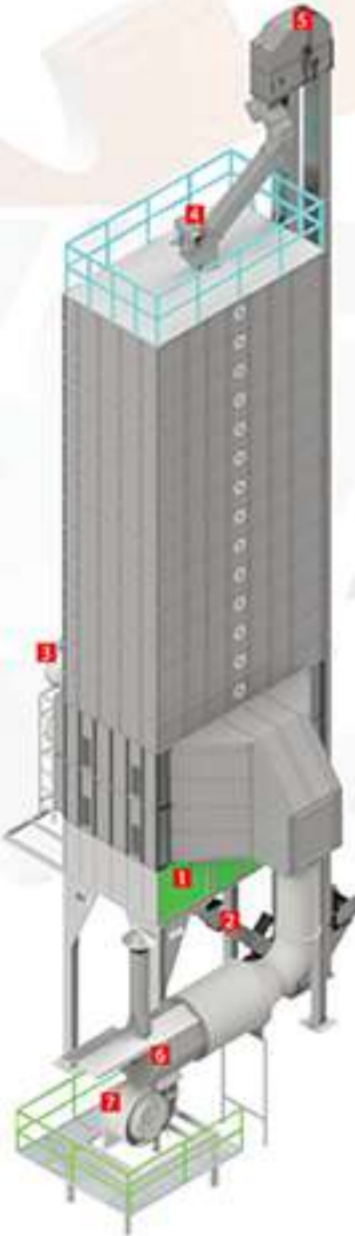
Item / Model		SCY-72	SCY-100
Heat Source		Coal, Paddy Husk, Pressed Straw Bricks, Corn Cob, Coconut Shell, Wood Chip, Coffee Hull, Pellet	
Capacity Approx. kg	Paddy 1 m <sup>3</sup> = 580 kg	42 Ton	58 Ton
	Wheat 1 m <sup>3</sup> = 770 kg	55 Ton	77 Ton
	Corn 1 m <sup>3</sup> = 720 kg	52 Ton	72 Ton
Drying Dimension L(A) x W(B) x H(C) mm		8225 x 4000 x 16947	8225 x 4000 x 19947
Elevator Height mm		19997	23000
Net Weight Approx. kg		17000 Kg	18500 Kg
Required Thermal energy per unit	Paddy-Wheat Approx.Kcal/hr	65.000 - 260.000 Ambient Temp. +10-40 C°	
	Corn Approx.Kcal/hr	75.000 - 450.000 Ambient Temp. +10-60 C°	
Electricity		3P, 220V / 380V / 415V, 50 / 60 Hz	
Power Consumption Kw		51,05	
Function	Loading Approx. mins	60	60
	Discharging Approx. mins	60	60
	Drying Rate %/hr	0,5 - 1,5	
Raw Material		S-350 Galvanized, interface SS-430 or ST-37 painted steel, interface SS-430.	
Safety Devices		Thermo-over relay, Air pressure switch, Full load buzzer, Timer, Control fuse.	



GAS

-  GAZ YAKITLI KARE TAHIL KURUTUCU
-  ГАЗОВАЯ КВАДРАТНАЯ ЗЕРНОСУШИЛКА
-  gaz yakitli kare tahil kurutucu
-  SÉCHOIR À GRAINS CARRÉ À GAZ
-  SECADORA DE GRANO CUADRADA A GAS
-  SECADOR DE GRÃOS QUADRADO A GAS

SGY



- 1** Air Lock Gears : 0,75 kw
- 2** Flow Pipe
- 3** Rear Fans : 5,5 x 4 = 22 kw
- 4** Dust Fan : 1,5 kw
- 5** Elevator : 5,5 kw
- 6** Gas Burner : 1,5 kw
- 7** Fan : 18,5 kw

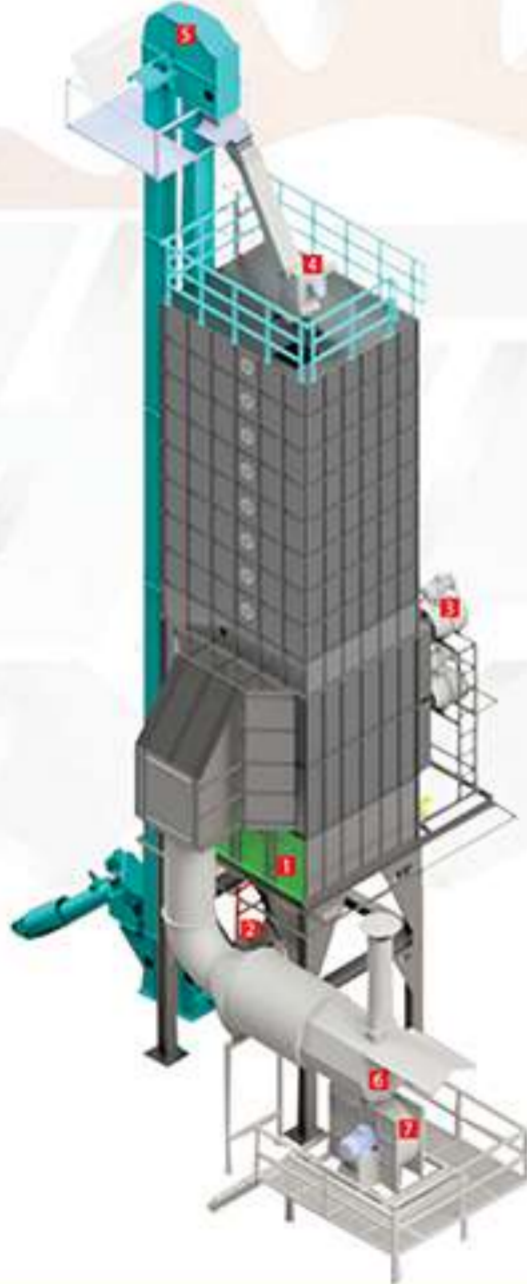
Item / Model	SGY-72		SGY-100	
Heat Source	LPG	NG	LPG	NG
Max. Combustion Approx. Liter / hr	12000	11000	12000	11000
	Kcal/kg	Kcal/m <sup>3</sup>	Kcal/kg	Kcal/m <sup>3</sup>
Burner Typer	GAS BURNER			
Capacity Approx. kg	Paddy 1 m <sup>2</sup> = 580 kg	42 Ton	58 Ton	
	Wheat 1 m <sup>2</sup> = 770 kg	55 Ton	77 Ton	
	Corn 1 m <sup>2</sup> = 720 kg	52 Ton	72 Ton	
Drying Dimension L(A) x W(B) x H(C) mm	8225 x 4000 x 16947		8225 x 4000 x 19947	
Elevator Height mm	19997		23000	
Net Weight Approx. Kg	17000 Kg		18500 Kg	
Electricity	3P, 220V / 380V / 415V / 440V, 50 / 60 Hz			
Power Consumption Kw	49,75			
Function	Loading Approx. mins	60	60	
	Discharging Approx. mins	60	60	
	Drying Rate %/hr	0.5 - 1.5		
Raw Material	S-350 Galvanized, interface SS-430 or ST-37 painted steel, interface SS-430.			
Safety Devices	Thermo-over relay, Air pressure switch, Full load buzzer, Timer, Flama sensor, Control fuse, Abnormal combustion sensor.			

- ✓ Above numbers and drying rate are derived from reducing moisture in paddy from 26% to 14%, wheat / corn from 30% to 12.5% for reference only. Actual results vary among different ambient temperature, relative humidity, grain varieties, hot air temperature, moisture content before and after drying.
- ✓ Please apply low hot air temperature for drying paddy to prevent high breakage rate.
- ✓ The specifications of burner shown above Turkey Standard (Thermal energy : NG 11,000 Kcal / m<sup>3</sup>; LPG 12,000 Kcal / kg). Please consult with YASAR for burner with CE standard.
- ✓ Gas pipe lines have to be built by certified local professionals. NEVER do it by your self.
- ✓ The mentioned models are standard and more capacity dryers is available for special customers with special requirements.

DIESEL

- C DİZEL YAKITLI KARE TAHİL KURUTUCU
- B ДИЗЕЛНАЯ КВАДРАТНАЯ СЕРПОЧУВШКА
- M Motosor Sığacık Tahıl Kurutucu
- S SÉCHOIR À GRAINS CARRÉS DIESEL
- S SECADORA DE GRANO CUADRADA DIESEL
- S SECADOR DE GRÃOS QUADRADOS DIESEL

SDY



- 1 Air Lock Gears : 0,75 kw
- 2 Flow Pipe
- 3 Rear Fans : 5,5 x 4 = 22 kw
- 4 Dust Fan : 1,5 kw
- 5 Elevator : 5,5 kw
- 6 Diesel Burner : 1,5 kw
- 7 Fan : 18,5 kw

yasarmakine.com.tr

Item / Model	SDY-72	SDY-100	
Heat Source	DIESEL		
Burner Type	DIESEL BURNER		
Max. Combustion Approx. Liter / hr	35		
Capacity Approx. kg	Paddy 1 m <sup>2</sup> = 580 kg	42 Ton	58 Ton
	Wheat 1 m <sup>2</sup> = 770 kg	55 Ton	77 Ton
	Corn 1 m <sup>2</sup> = 720 kg	52 Ton	72 Ton
Drying Dimension L(A) x W(B) x H(C) mm	8225 x 4000 x 16947	8225 x 4000 x 19947	
Elevator Height mm	19997	23000	
Net Weight Approx. kg	17000 Kg	18500 Kg	
Electricity	3P, 220V / 380V / 415V / 440V, 50 / 60 Hz		
Power Consumption Kw	49,75		
Function	Loading Approx. mins	60	60
	Discharging Approx. mins	60	60
	Drying Rate % / hr	0,5 - 1,5	
Raw Material	S-350 Galvanized, interface SS-430 or ST-37 painted steel, interface SS-430.		
Safety Devices	Thermo-over relay, Air pressure switch, Full load buzzer, Timer Flama sensor, Control fuse, Abnormal combustion sensor.		

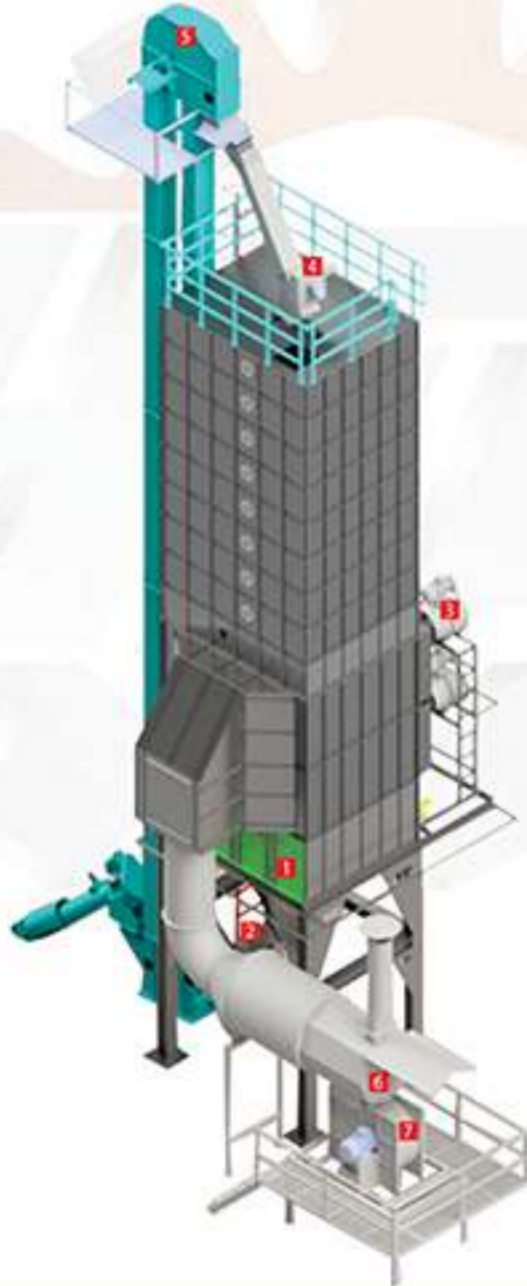
yasargroup.com.tr



DIESEL - GAS

- C DIESEL - GAZ YAKITLI KARE TAHİL KURUTUCU
- B ДИЗЕЛНО-ГАЗОВАЯ КВАДРАТНАЯ СЕРИЯ
- M Model : gazlı (diesel) veya gazlı (gas)
- I DIESEL - SÉCHOIR À GRAINS CARRÉS AU GAZ
- S SECADOR DE GRANOS CUADRADO A GAS DIESEL
- D DIESEL - SECADOR DE GRÃOS QUADRADOS A GAS

SDGY



- 1 Air Lock Gears : 0,75 kw
- 2 Flow Pipe
- 3 Rear Fans : 5,5 x 4 = 22 kw
- 4 Dust Fan : 1,5 kw
- 5 Elevator : 5,5 kw
- 6 Diesel - Gas Burner : 1,5 kw
- 7 Fan : 18,5 kw

yasarmakine.com.tr

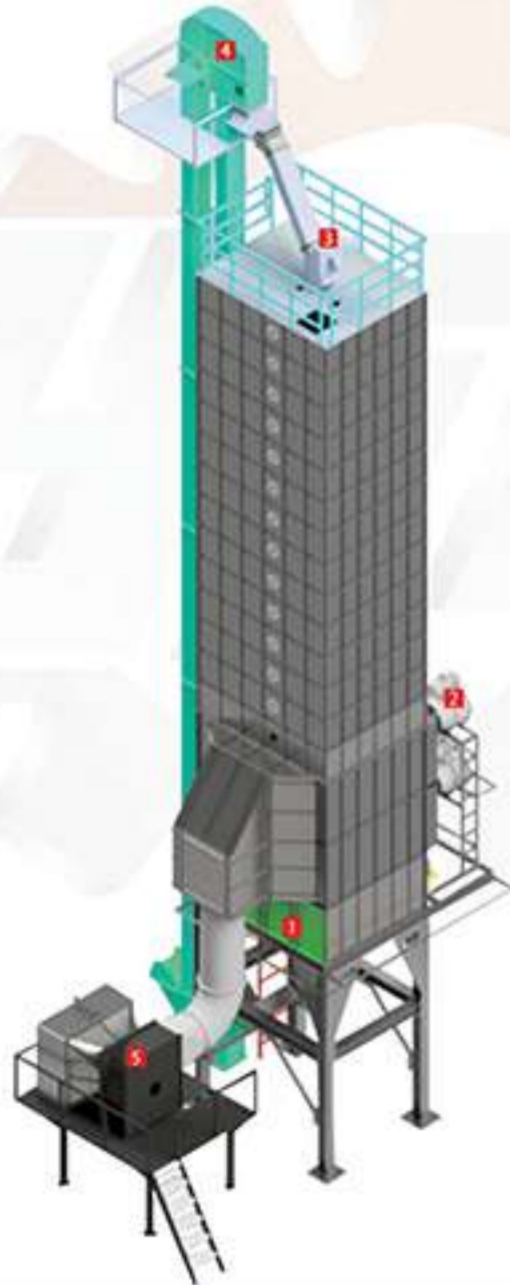
Item / Model	SDGY-72	SDGY-100	
Heat Source	DIESEL - GAS		
Burner Type	DIESEL - GAS BURNER		
Max. Combustion Approx. Liter / hr	35		
Capacity Approx. kg	Paddy 1 m <sup>3</sup> = 580 kg	42 Ton	58 Ton
	Wheat 1 m <sup>3</sup> = 770 kg	55 Ton	77 Ton
	Corn 1 m <sup>3</sup> = 720 kg	52 Ton	72 Ton
Drying Dimension L(A) x W(B) x H(C) mm	8225 x 4000 x 16947	8225 x 4000 x 19947	
Elevator Height mm	19997	23000	
Net Weight Approx. kg	17000 Kg	18500 Kg	
Electricity	3P, 220V / 380V / 415V / 440V, 50 / 60 Hz		
Power Consumption Kw	49,75		
Tank Capacity Liter	1000		
Function	Loading Approx. mins	60	60
	Discharging Approx. mins	60	60
	Drying Rate %/ hr	0,5 - 1,5	
Raw Material	S-350 Galvanized, interface SS-430 or ST-37 painted steel, interface SS-430.		
Safety Devices	Thermo-over relay, Air pressure switch, Full load buzzer, Timer Flama sensor, Control fuse, Abnormal combustion sensor.		

yasargroup.com.tr

STEAM

- C BUHARLI KARE TAHIL KURUTUCU
- P ПАРОВАЯ КВАДРАТНАЯ ЗЕРНОСУШИЛКА
- P PARIH UZVENI MLOVE VAPOR
- S SÉCHOIR À GRAINS CARRÉS À VAPEUR
- S SECADORA DE GRANO CUADRADA A VAPOR
- S SECADOR DE GRÃOS QUADRADO A VAPOR

SSY



- 1 Air Lock Gears : 0,75 kw
- 2 Rear Fans : 5,5 x 4 = 22 kw
- 3 Dust Fan : 1,5 kw
- 4 Elevator : 5,5 kw
- 5 Fan : 18,5 kw

yasarmakine.com.tr

Item / Model		SSY-72	SSY-100
Heat Source		STEAM	
Capacity Approx. kg	Paddy 1 m <sup>3</sup> = 580 kg	42 Ton	58 Ton
	Wheat 1 m <sup>3</sup> = 770 kg	55 Ton	77 Ton
	Corn 1 m <sup>3</sup> = 720 kg	52 Ton	72 Ton
Drying Dimension L(A) x W(B) x H(C) mm		8225 x 4000 x 16947	8225 x 4000 x 19947
Elevator Height mm		19997	23000
Boiler Capacity Approx. ton / hr		3.0	3.2
Net Weight Approx. kg		17000 Kg	18500 Kg
Boiler Pressure Approx. kg / cm <sup>2</sup>		7	
Electricity		3P, 220V / 380V / 415V / 50 / 60 Hz	
Power Consumption Kw		48,25	
Function	Loading Approx. mins	60	60
	Discharging Approx. mins	60	60
	Drying Rate %/ hr	0.5 - 1.5	
Raw Material		S-350 Galvanized, interface SS-430 or ST-37 painted steel, interface SS-430.	
Safety Devices		Thermo - over relay, Air pressure switch, Full load buzzer, Timer, Control fuse.	

- ✓ The required thermal energy is for reference only. Actual data will differ among grain variety, impurity rate, and drying condition.
- ✓ The specification and graph is for reference only. Actual specification of YASAR product shall be based on the sales confirmation which customers sign and delivered products.
- ✓ The density, composition and pressure of natural gas vary at different locations, thus thermal energy per m<sup>3</sup> also varies.

yasargroup.com.tr