VROOM

BURNER MACHİNERY

NEW MACHINE

Wood Chips Burner

2025

PELLET & WOOD CHIPS BURNER

*CAST IRON BARREL PELLET

*CUPOL BRICK PELLET BURNERS

*METAL BARREL PELLET BURNERS

www.vroommachinery.com 0532 167 84 04 Büyükkayacık Osb Selçuklu/KONYA

VROOM
BURNER MACHİNERY

ABOUT US

VROOM BURNER commenced its operations in 2016in Konya, Turkey, specializing in the production and sales of pellet burners. Within a short period, our company established itself as a leader and a benchmark in the pellet burner manufacturing sector. It continues to retain its leading status through ongoing innovation and technical excellence. By closely following technological advancements and relying on its expert workforce, the company has achieved sustained growth and development. Our products emphasize customer satisfaction and are distinguished by their high quality, customizable dimensions, and a broad variety of options.

VROOM Makine manufactures pellet, wood chips and various biomass fuel burners ranging from 10,000 Kcal/h to 10,000,000 Kcal/h(11.63 kw to 11,628 kw). As fuel prices increase, demand for these systems continues to grow. The low cost and environmentally friendly nature of pellet and biomass fuels have expanded the application areas of pellet burners. These burners are typically used in the conversion of coal, diesel, oil, LPG and natural gas-fired boilers into pellet and biomass fuel systems. By switching to pellet, wood chips and biomass fuels, users quickly recover their boiler conversion costs — and start saving money in no time.

www.vroommachinery.com

EXAMPLES OF APPLICATION AREAS

- High-temperature, high-pressure steam boilers
- High-temperature thermal oil boilers
- Tumble drying furnaces
- Dry hot air boilers
- Hot water boilers
- High-temperature cooking boilers

EXAMPLES OF COMBUSTIBLE FUELS

- Wood pellets & Wood chips
- 2–5 cm sized wood and branch fragments
- Olive pits & olive pit pellets
- Nut shells and kernels

As VROOM Solid Fuel Burner Systems, we also offer custom design and manufacturing services for non-standard or specially built boilers, tailored to your space and system requirements. In all our products, we prioritize the use of high-quality materials, particularly firebricks and refractory concrete with high thermal resistance.

www.vroommachinery.com

info@vroommachinery.com

01 INDUSTRIAL PELLET & WOOD CHIPS BURNERS

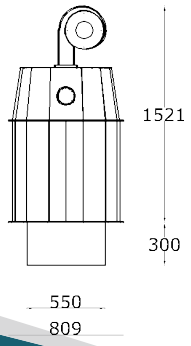
VROOM V1001

Technical Specifications

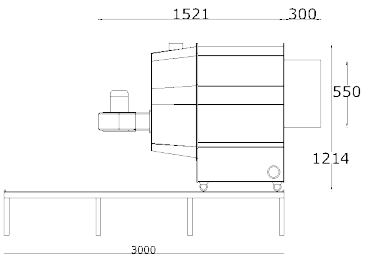
FUEL TYPE USED	Pellet types - Shell and Kernel types
HEATING POWER	800.000 Kcal/h-1.000.000 Kcal/h
COMBUSTION CRUDE MATERIAL	Cupola brick and high temperature concrete supported (closed) barrel
COMBUSTION COLLE DIMENSIONS	Width:500mm *Height:450mm *Length:600mm
BUNKER FUEL CAPACITY/DIMENSIONS	400 Liters / Width 750mm * Height 1700mm Lenght 750mm
TEMPERATURE CONTROL RANGE	Control from boiler / Optional
ELECTRICAL INPUT CONNECTION	380V
TOTAL POWER	3.2
FAN FEATURES	0.55kW – 1900 M³/h 2900 Rpm -Driver controlled fan adjustment
FUEL SCREW FEATURES	0,55 kw 380V – 1750mm*115mmØ
CONTROL PANEL	Digital fuel adjustment/Driver controlled fan
IGNITION	automatic ignition
BURNING CAPACITY	Min: ~ 150kg/h – Max:~ 280kg/h
BARREL DIMENSIONS	620mmØ *300mm
SHEET METAL THICKNESS	Burner Body Materials: 8mm/3mm
	Bunker Body: 2mm
	Bunker Support Legs: 4mm

Technical Drawing

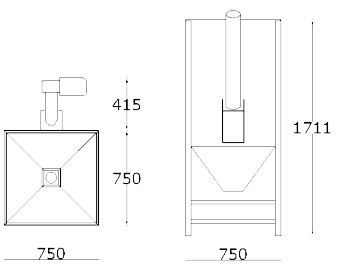
V1001 Top View



V1001 Side View



V1001 Bunker Top and Side View



INDUSTRIAL PELLET & WOOD CHIPS BURNERS 02

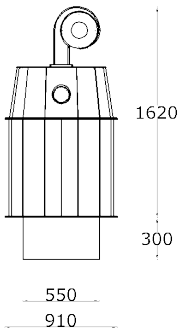
VROOM V1002

Technical Specifications

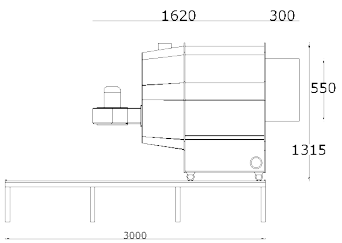
FUEL TYPE USED	Pellet types - Shell and Kernel types
HEATING POWER	1.000.000 Kcal/h-1.800.000 Kcal/h(1060KW-2090KW)
COMBUSTION CRUDE MATERIAL	Cupola brick and high temperature concrete supported (closed) barrel
COMBUSTION COLLE DIMENSIONS	Width:600mm *Height:500mm *Length:700mm
BUNKER FUEL CAPACITY/DIMENSIONS	600 Liters / Width 1000mm * Height 1700mm Lenght 1000mm
TEMPERATURE CONTROL RANGE	Control from boiler / Optional
ELECTRICAL INPUT CONNECTION	380V
TOTAL POWER	3.5
FAN FEATURES	0.75kW – 2500 M³/h 2900 Rpm -Driver controlled fan adjustment
FUEL SCREW FEATURES	0,75 kw 380V – 1750mm*115mmØ
CONTROL PANEL	Digital fuel adjustment/Driver controlled fan
IGNITION	automatic ignition
BURNING CAPACITY	Min: ~ 220kg/h – Max:~400kg/h
BARREL DIMENSIONS	720mmØ *300mm
SHEET METAL THICKNESS	Burner Body Materials: 8mm/3mm
	Bunker Body: 2mm
	Bunker Support Legs: 4mm

Technical Drawing

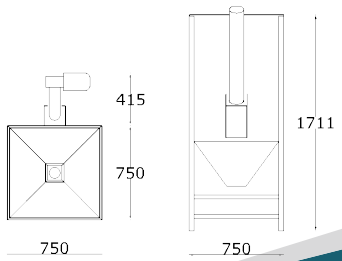
V1002 Top View



V1002 Side View



V1002 Bunker Top and Side View



03 INDUSTRIAL PELLET & WOOD CHIPS BURNERS

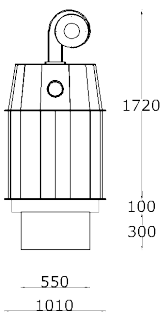
VROOM V1003

Technical Specifications

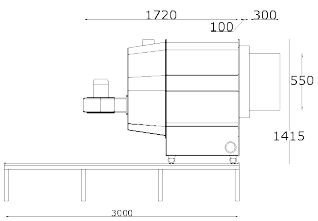
FUEL TYPE USED	Pellet types - Shell and Kernel types
HEATING POWER	2.000.000 Kcal/h-3.000.000 Kcal/h(2325KW-3490KW)
COMBUSTION CRUDE MATERIAL	Cupola brick and high temperature concrete supported (closed) barrel
COMBUSTION COLLE DIMENSIONS	Width:700mm *Height:600mm *Length:700mm
BUNKER FUEL CAPACITY/DIMENSIONS	600 Liters / Width 1000mm * Height 1700mm Lenght 1000mm
TEMPERATURE CONTROL RANGE	Control from boiler / Optional
ELECTRICAL INPUT CONNECTION	380V
TOTAL POWER	3.5 kw
FAN FEATURES	0.75kW – 2500 M³/h 2900 Rpm -Driver controlled fan adjustment
FUEL SCREW FEATURES	0.75kw 380V - 1750mm*115mmØ
CONTROL PANEL	Digital fuel adjustment/Driver controlled fan
IGNITION	automatic ignition
BURNING CAPACITY	Min: ~ 425kg/h – Max:~ 640kg/h
BARREL DIMENSIONS	720mmØ *300mm
SHEET METAL THICKNESS	Burner Body Materials: 8mm/3mm
	Bunker Body: 2mm
	Bunker Support Legs: 4mm

Technical Drawing

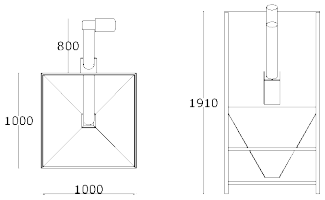
V1003 Top View



V1003 Side View



V1003 Bunker Top and Side View



INDUSTRIAL PELLET & WOOD CHIPS BURNERS 04

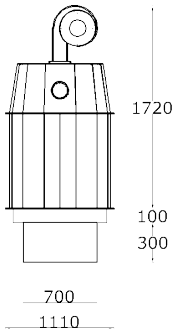
VROOM V1004

Technical Specifications

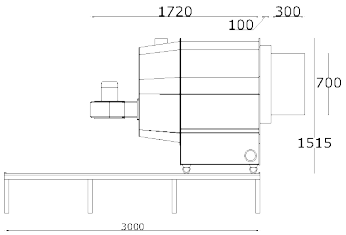
FUEL TYPE USED	Pellet types - Shell and Kernel types
HEATING POWER	3.000.000 Kcal/h-4.500.000 Kcal/h(4390KW-5230KW)
COMBUSTION CRUDE MATERIAL	Cupola brick and high temperature concrete supported (closed) barrel
COMBUSTION COLLE DIMENSIONS	Width:800mm *Height:700mm *Length:800mm
BUNKER FUEL CAPACITY/DIMENSIONS	1000 Liters / Width 1200mm * Height 1900mm Lenght 1200mm
TEMPERATURE CONTROL RANGE	Control from boiler / Optional
ELECTRICAL INPUT CONNECTION	380V
TOTAL POWER	6.0 kw
FAN FEATURES	2x0.55kW – 1900 M³/h 2900 Rpm -Driver controlled fan adjustment
FUEL SCREW FEATURES	1.1 kw 380V – 1750mm*140mmØ
CONTROL PANEL	Digital fuel adjustment/Driver controlled fan
IGNITION	automatic ignition x2
BURNING CAPACITY	Min: ~ 630kg/h – Max:~960kg/h
BARREL DIMENSIONS	820mmØ *300mm
SHEET METAL THICKNESS	Burner Body Materials: 8mm/3mm
	Bunker Body: 2mm
	Bunker Support Legs: 5mm

Technical Drawing

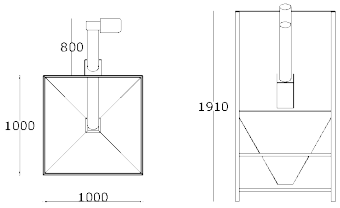
V1004 Top View



V1004 Side View



V1004 Bunker Top and Side View



05 INDUSTRIAL PELLET & WOOD CHIPS BURNERS

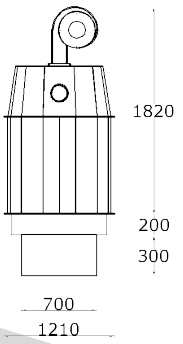
VROOM V1005

Technical Specifications

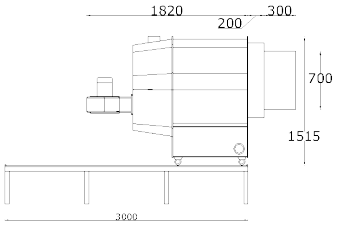
FUEL TYPE USED	Pellet types - Shell and Kernel types
HEATING POWER	4.000.000 Kcal/h-6.000.000 Kcal/h(4650KW-6970KW)
COMBUSTION CRUDE MATERIAL	Cupola brick and high temperature concrete supported (closed) barrel
COMBUSTION COLLE DIMENSIONS	Width:900mm *Height:800mm *Length:900mm
BUNKER FUEL CAPACITY/DIMENSIONS	1000 Liters / Width 1200mm * Height 1900mm Lenght 1000mm
TEMPERATURE CONTROL RANGE	Control from boiler / Optional
ELECTRICAL INPUT CONNECTION	380V
TOTAL POWER	6.0 kw
FAN FEATURES	2x0.75kW – 2500 M³/h 2900 Rpm -Driver controlled fan adjustment
FUEL SCREW FEATURES	2x1.1 kw 380V – 1750mm*140mmØ
CONTROL PANEL	Digital fuel adjustment/Driver controlled fan
IGNITION	automatic ignition x2
BURNING CAPACITY	Min: ~850kg/h – Max:~ 1300kg/h
BARREL DIMENSIONS	920mmØ *400mm
SHEET METAL THICKNESS	Burner Body Materials: 10m/8mm/3mm
	Bunker Body: 2mm
	Bunker Support Legs: 5mm

Technical Drawing

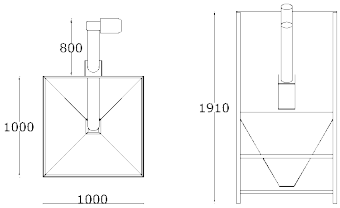
V1005 Top View



V1005 Side View



V1005 Bunker Top and Side View



INDUSTRIAL PELLET & WOOD CHIPS BURNERS 06

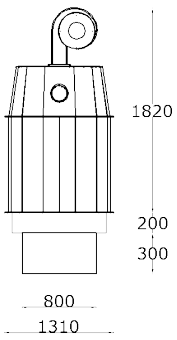
VROOM V1006

Technical Specifications

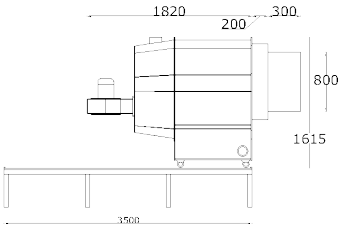
FUEL TYPE USED	Pellet types - Shell and Kernel types
HEATING POWER	4.000.000 Kcal/h-6.000.000 Kcal/h(4650KW-6970KW)
COMBUSTION CRUDE MATERIAL	Cupola brick and high temperature concrete supported (closed) barrel
COMBUSTION COLLE DIMENSIONS	Width:800mm *Height:700mm *Length:800mm
BUNKER FUEL CAPACITY/DIMENSIONS	1000 Liters / Width 1200mm * Height 1910mm Lenght 1000mm
TEMPERATURE CONTROL RANGE	Control from boiler / Optional
ELECTRICAL INPUT CONNECTION	380V
TOTAL POWER	6.0 kw
FAN FEATURES	2.2 kW – 4500 M³/h 2900 Rpm -Driver controlled fan adjustment
FUEL SCREW FEATURES	1.1 kw 380V – 1750mm*140mmØ
CONTROL PANEL	Digital fuel adjustment/Driver controlled fan
IGNITION	automatic ignition
BURNING CAPACITY	Min: ~ 880kg/h – Max:~1330kg/h
BARREL DIMENSIONS	880mmØ *300mm
SHEET METAL THICKNESS	Burner Body Materials: 8mm/3mm
	Bunker Body: 2mm
	Bunker Support Legs: 5mm

Technical Drawing

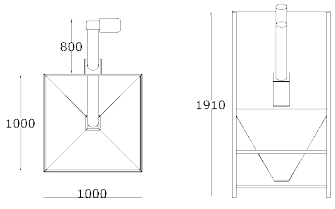
V1006 Top View



V1006 Side View



V1006 Bunker Top and Side View

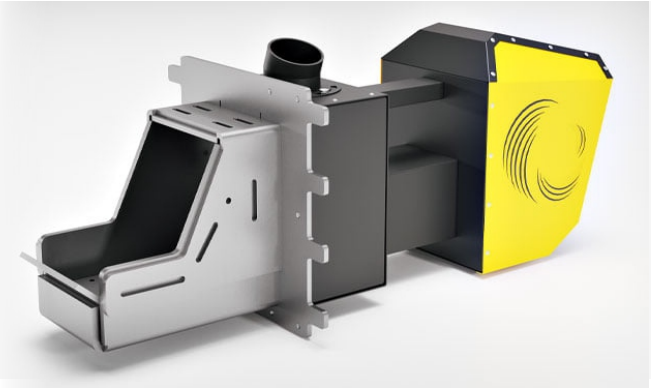


07 INDUSTRIAL PELLET & WOOD CHIPS BURNERS

VROOM WM80

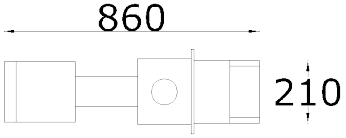
Technical Specifications

FUEL TYPE USED	Pellet types - Shell and Kernel types				
HEATING POWER	20.000 Kcal/h-80.000 Kcal/h				
COMBUSTION CRUDE MATERIAL	16m st37 (Open Barrel)				
COMBUSTION COLLE DIMENSIONS	Width:210mm *Height:260mm *Length:230mm				
BUNKER FUEL CAPACITY/DIMENSIONS	200 Liters				
TEMPERATURE CONTROL RANGE	35° - 400°	**Electrical Input Connection**	220V	**TOTAL POWER**	2.5 kw
FAN FEATURES	1100 M³ / h 2250 Rpm - 5 Stage Fan Adjustment	**Fuel Auger Features**	0.55kw - 1500mm*90mmØ - 96 d/d		
CONTROL PANEL	LCD Multi-Function Panel - Adjustable Parameters	**IGNITION**	automatic ignition		

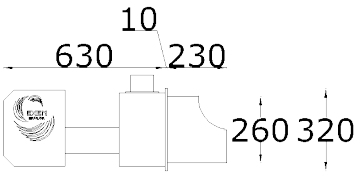


Technical Drawing

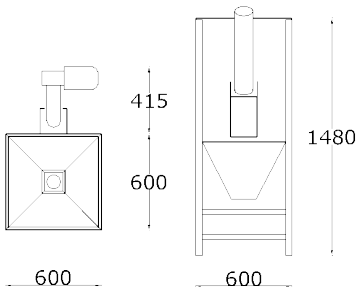
VM80Top View



VM80 Side View



VM80 Bunker Top and Side View



INDUSTRIAL PELLET & WOOD CHIPS BURNERS

08

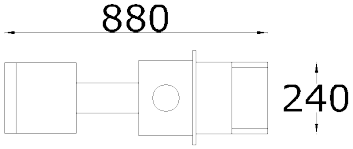
VROOM WM200

Technical Specifications

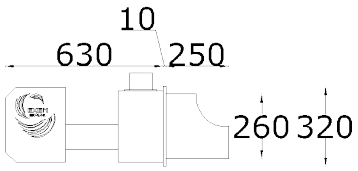
FUEL TYPE USED	Pellet types - Shell and Kernel types				
HEATING POWER	100.000 Kcal/h-200.000 Kcal/h				
COMBUSTION CRUDE MATERIAL	16m st37 (Open Barrel)				
COMBUSTION COLLE DIMENSIONS	Width:240mm *Height:260mm *Length:250mm				
BUNKER FUEL CAPACITY/DIMENSIONS	200 Liters				
TEMPERATURE CONTROL RANGE	30° - 400°	**Electrical Input Connection**	220V	**TOTAL POWER**	2.5 kw
FAN FEATURES	1100 M³ / h 2250 Rpm - 5 Stage Fan Adjustment	**Fuel Auger Features**	0.55kw - 1500mm*90mmØ - 96 d/d		
CONTROL PANEL	LCD Multi-Function Panel - Adjustable Parameters	**IGNITION**	automatic ignition		

Technical Drawing

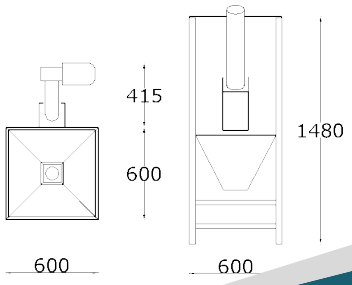
VM200 Top View



VM200 Side View



VM200 Bunker Top and Side View

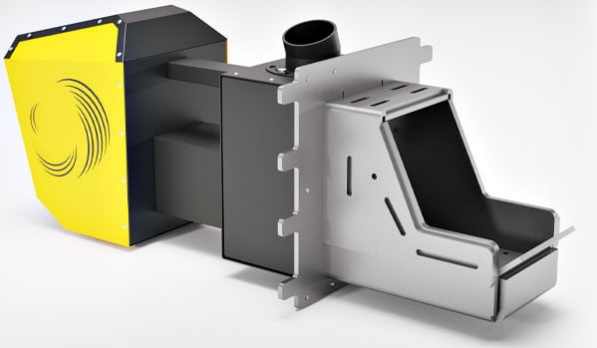


09 INDUSTRIAL PELLET & WOOD CHIPS BURNERS

VROOM VM400

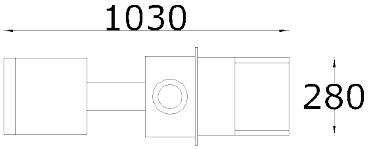
Technical Specifications

FUEL TYPE USED	Pellet types - Shell and Kernel types				
HEATING POWER	170.000 Kcal/h-350.000 Kcal/h				
COMBUSTION CRUDE MATERIAL	18mm Chrome Nickel Alloy Cast Barrel (Open/Closed)				
COMBUSTION COLLE DIMENSIONS	Width:280mm *Height:280mm *Length:330mm				
BUNKER FUEL CAPACITY/DIMENSIONS	200 Liters				
TEMPERATURE CONTROL RANGE	30° - 400°	**Electrical Input Connection** 220V		**TOTAL POWER** 2.5 kw	
FAN FEATURES	1100 M³ / h 2250 Rpm - 5 Stage Fan Adjustment	**Fuel Auger Features**	0.55kw - 1500mm*90mmØ - 96 d/d		
CONTROL PANEL	LCD Multi-Function Panel - Adjustable Parameters	**IGNITION**	automatic ignition		

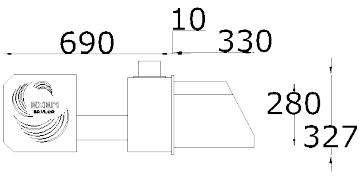


Technical Drawing

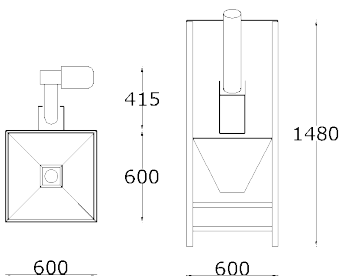
VM400 Top View



VM400 Side View



VM400 Bunker Top and Side View

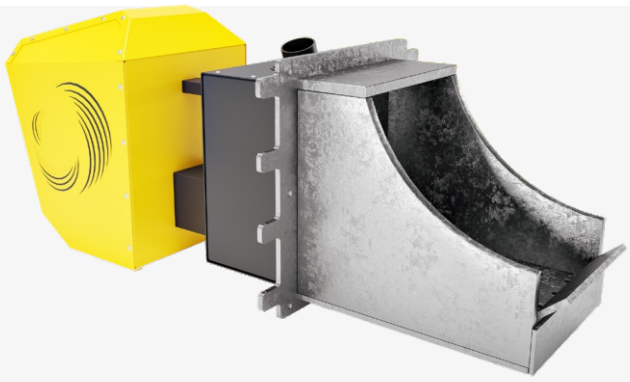


INDUSTRIAL PELLET & WOOD CHIPS BURNERS 10

VROOM WD200

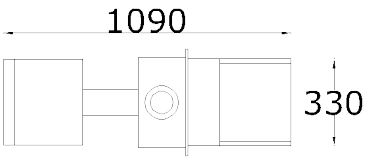
Technical Specifications

FUEL TYPE USED	Pellet types - Shell and Kernel types				
HEATING POWER	350.000 Kcal/h-600.000 Kcal/h				
COMBUSTION CRUDE MATERIAL	18mm Chrome Nickel Alloy Cast Barrel (Open/Closed)				
COMBUSTION COLLE DIMENSIONS	Width:330 mm *Height:340mm *Length:390mm				
BUNKER FUEL CAPACITY/DIMENSIONS	400 Liters				
TEMPERATURE CONTROL RANGE	30° - 400°	**Electrical Input Connection**	220V	**TOTAL POWER**	2.5 kw
FAN FEATURES	1100 M^3/ h 2250 Rpm - 5 Stage Fan Adjustment	**Fuel Auger Features**	0.55kw - 1500mm*90mmØ - 100d/d		
CONTROL PANEL	LCD Multi-Function Panel - Adjustable Parameters	**IGNITION**	automatic ignition		

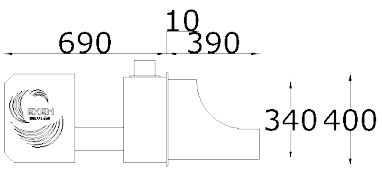


Technical Drawing

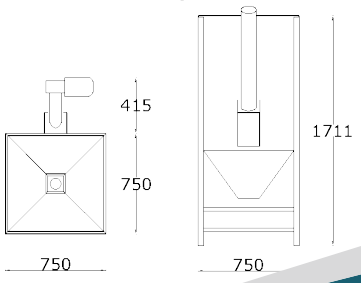
VM200 Top View



VM200 Side View



VM200 Bunker Top and Side View

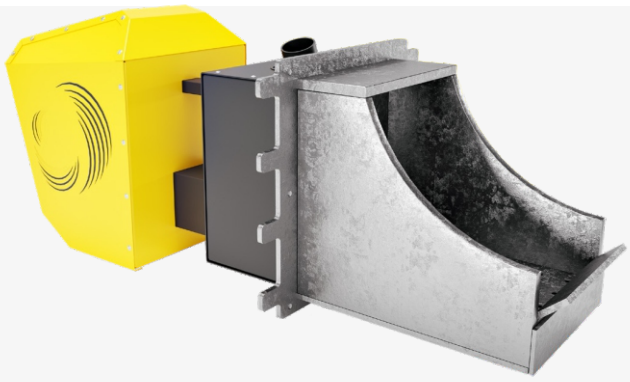


11 INDUSTRIAL PELLET & WOOD CHIPS BURNERS

VROOM WD400

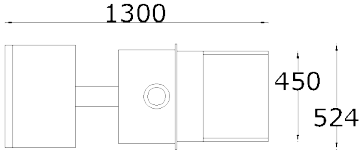
Technical Specifications

FUEL TYPE USED	Pellet types - Shell and Kernel types				
HEATING POWER	600.000 Kcal/h-800.000 Kcal/h				
COMBUSTION CRUDE MATERIAL	18mm Chrome Nickel Alloy Cast Barrel (Open/Closed)				
COMBUSTION COLLE DIMENSIONS	Width:450mm *Height:400mm *Length:450mm				
BUNKER FUEL CAPACITY/DIMENSIONS	400 Liters				
TEMPERATURE CONTROL RANGE	30° - 400°	**Electrical Input Connection** 380V		**TOTAL POWER** 1.5 kw	
FAN FEATURES	1100 M^3/ h 2250 Rpm - 5 Stage Fan Adjustment	**Fuel Auger Features**	0.75kw - 1500mm*90mmØ - 96 d/d		
CONTROL PANEL	LCD Multi-Function Panel - Adjustable Parameters	**IGNITION**	automatic ignition		

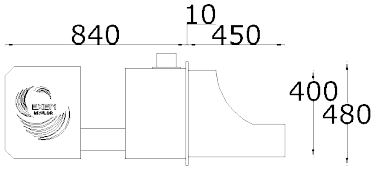


Technical Drawing

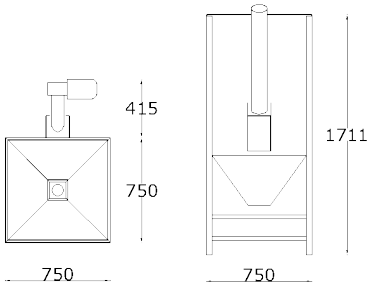
VM400 Top View



VM400 Side View



VM400 Bunker Top and Side View



WHAT ARE YOU ADVANTAGES OF PELLET AND WOOD CHİPS FUEL ?

Advantages of Pellet and Wood Chips Fuel
Cost effective compared to other fuels
Easy to transport and store
A refined form of biomass
Made from 100% local and renewable resources
Produces very little waste and low ash
Safe for the environment and human health
Among solid fuel systems, pellet is the cleanest-burning fuel
Protect forests during the pellet production process
No risk of poisoning like coal
Easier to use compared to other fuel systems
No need for intervention in the boiler room is required during a power outage
A sustainable energy source
Ergonomic and stylish design
High-temperature-resistant cast and brick burner pot
Automatic ignition feature
Automatic fuel loading system
User-friendly loading mechanism
Modulating control panel
Easy to install on manual boilers
Easy to install on automatic loading boilers

WHAT IS A BURNER?

A burner is a combustion mechanism that allows the mixing and combustion of air and fuel. Burner combustion is defined as the release of heat as a result of the chemical reaction between combustible components in the fuel and oxygen. The purpose of a burner is to ensure safe flame formation by mixing fuel with air.

WHAT IS BIOMASS (BIOMASS)?

Biomass has great potential among renewable energy sources. It maintains its existenceby continuously synthesizing carbon through photo-synthesis as long as there is intermittent sunlight, such as wind and solar energy. Biomass is the biological mass and associated organic matter resources that result from green plants converting solar energy into chemical energy through photosynthesis and storing it.

www.vroommachinery.com
info@vroommachinery.com

VROOM
2025

PELLET & WOOD CHIPS BURNER

*CAST IRON BARREL PELLET

*CUPOL BRICK PELLET BURNERS

*METAL BARREL PELLET BURNERS

www.vroommachinery.com 0532 167 84 04 Büyükkayacık Osb Selçuklu/KONYA