

MTM[®]

HEATING AIR-CONDITIONING VENTILATION

PRODUCT CATALOG

AIR HEATERS

CENTRAL HEATING
BOILERS

HEATING
PLATFORMS

FANS

MULTI OIL
BURNERS

Complex solutions
HEATING, AIR-CONDITIONING, VENTILATION



About us

The MTM company has over a quarter of a century of experience in comprehensive customer service in heating, ventilation, and air conditioning.

We start cooperation with the client at the design stage and continue it through production, assembly, warranty, and post-warranty service, providing care at each stage.

In addition to advisory and commercial activities, we have been producing multi-oil heating devices for alternative fuels and solid fuels for over a dozen years. Our products have been recognized by customers worldwide, and we are constantly expanding our range of products.

Our team



Our company is like a family to us. That is why our employees have been with us for many years, gaining experience that allows us to provide professional advice in heating, air conditioning, and ventilation.

We constantly expand our knowledge by training in technical novelties and adapting our skills to the changing world.

In addition to general knowledge of the entire activity of the company, members of our team specialize in specific areas to offer you the most optimal solutions that will meet your expectations.

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EMPEL series air heaters with a pellet burner

Empel fan heaters are an innovative combination of ecology and economy. The unique pear-shaped design of the combustion chamber increases the heater's efficiency and reduces heating costs. The burner allows the simultaneous use of two different types of fuel, e.g., pellets and cherry seeds, sunflower husks, seeds, etc.

MAIN FEATURES

Efficient and economical burner

Thermal comfort and economical fuel consumption are provided by the burner equipped with a controller with two-stage power regulation and a weekly timer. Additionally, you can connect a controller that supports feeding two types of fuel, e.g., pellets and cherry stones.

The burner has three temperature sensors, a room-temperature sensor, a hot air outlet temperature sensor, and a hot gas reverse flow safety-sensor. The set includes a fuel feeder.

The simple design of the heating device ensures reliable, safe, and long-term use.

Heat exchanger

The heat exchanger is made of thick acid-resistant sheet metal, resistant to the temperature of hot gases from burnt pellets.

Front door

The door's construction allows for their double-sided assembly, depending on users' needs. The door has an additional, replaceable thermal plate that acts as a deflector, preventing the door from overheating outside.

Air distribution

The use of an appropriate head allows for a slow blow, targeted blow, or plugging of the heater into a duct system. The high efficiency of the radial fan enables the installation of hot air distribution ducts without the support of an additional fan.

Combustion chamber

The chamber has an oval shape, which reduces the resistance to the flow of heated air. The extended front part of the chamber provides more space for flame and ash.

Exhaust gas flow

The three-pass exhaust gas flow system increases the heater's efficiency and thus reduces fuel consumption.

Additional deflector

A unique solution in the heater is the adjustable triangular deflector in the front part of the combustion chamber, which allows adjusting the uniform flow rate of hot gases through all the flame tubes, thus increasing the device's efficiency.

Safety of use

Simple and reliable control of mechanical thermostats provides adequate protection against high temperatures of the exchanger and engine. More powerful heaters with three-phase motors have an additional thermostat to protect against reverse airflow.

Summer / winter function

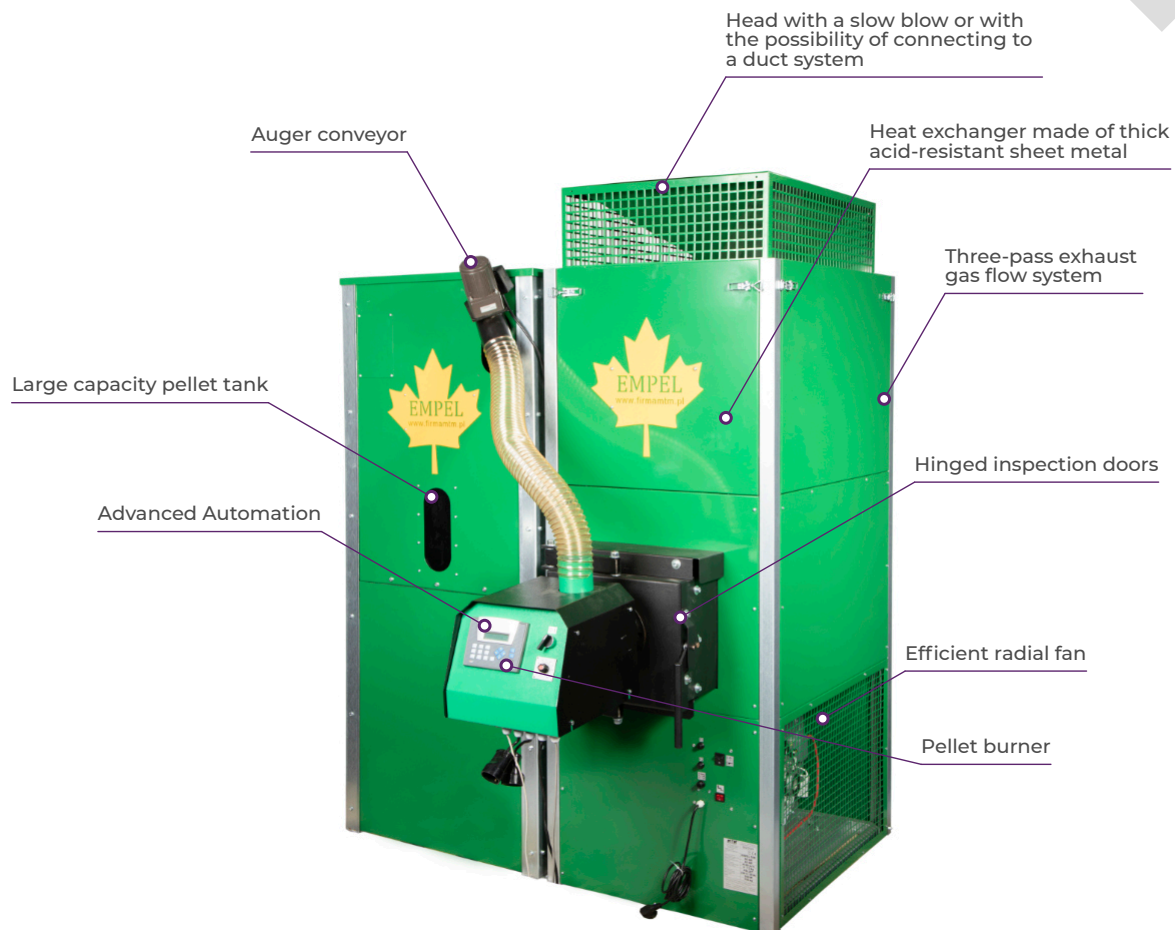
After connecting the ventilation ducts on the left or right side, the heater in the summer can act as an air handling unit, allowing to supply clean air to the building while cooling it, while in winter, the open side of the fan can suck in air from the room and heat it.

Model	EMPEL 25R	EMPEL 35R	EMPEL 50R	EMPEL 65R	EMPEL 80R	EMPEL 100R	EMPEL 125R	EMPEL 150R
Power range [kW]	20-32	35 - 45	45 - 60	60 - 80	80 - 100	100 - 120	120 - 155	140 - 180
Air flow (m³/h)	2 250	3 350	4 100	5 700	6 680	7 690	10 800	13 900
Pellet consumption [kg] (min.-max.)	4 - 6,4	7 - 9	9 - 12	12 - 16	16 - 20	20 - 24	24 - 31	28 - 36
Voltage (V/Hz)	230/50	230/50	230/50	230/50	3x400/50	3x400/50	3x400/50	3x400/50
Energy consumption [W]	150	250	590	740	1100	1800	1800	1800
Chimney diameter [mm]	150	150	180	180	200	200	250	250
Dimensions (LxWxH) [mm]	530x860x1440	530x860x1440	640x1070x1650	640x1070x1650	750x1250x1800	750x1250x1800	800x1500x2020	800x1500x2020
Weight [kg]	106	106	160	160	180	340	200	350

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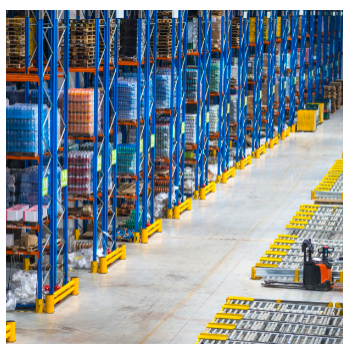
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EXAMPLE PURPOSE:



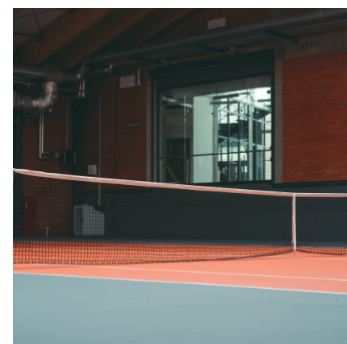
CAR
WORKSHOPS



WAREHOUSES



PRODUCTION



TENNIS COURTS

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The **NPS** series's solid fuel-powered air heaters in a mobile and stationary version

NPS - stationary blow-in heater for solid fuel, with a heating capacity of up to 70kW (model NPS70), is a device characterized by a simple structure and principle of operation.

The advantage of the heater is its versatility - the heater can be powered by any fuel (wood, coal, briquette), and after installing the fan burner also by gas, fuel oil, used oil, and pellets. Burners are available separately.

The heat needed to heat the object is obtained via a heat exchanger thanks to the heat exchange between the exhaust gases and clean air.

A heat exchanger thermostat controls the operation of the device, thanks to which the fan turns on automatically when the temperature in the exchanger chamber reaches the appropriate level.

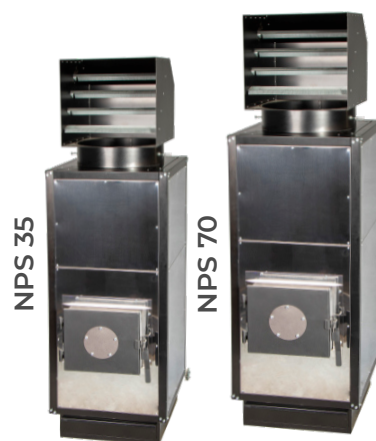
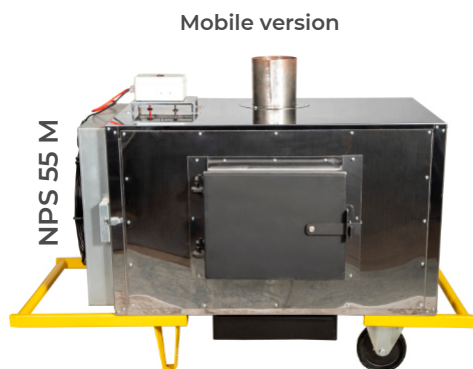
The static pressure generated by the fans used, and the precisely profiled blower head (model NPS 35 and 70) ensure that the heat is distributed quickly and evenly in the room. An undoubted advantage of the device is the easy to empty ashtray located directly under the combustion chamber.

The heater generates heat directly into the room through a blow-in outlet (NPS 55M) or a blow-in head (NPS 35,70), and the smoke and other gases emitted during combustion are discharged through the chimney.

FEATURES OF THE MTM NPS SERIES HEATERS

- high efficiency,
- completely pure heat,
- manual ignition
- meager operating costs - cheap fuel - wood waste (recommended) or other available solid fuel can be used: coal, wood briquettes,
- ignition can take place at a temperature below 0 ° C - no factor that could freeze at minus temperature,
- air circulation caused by the operation of the fan prevents the accumulation of warm air under the ceiling,
- high efficiency and high power,
- possibility of fueling with solid fuels (dry wood).

Stationary versions



Model	NPS 35	NPS 55 M	NPS 70
Heating power [kW]	35	55	70
Airflow [m³/h]	5 050	5 500	12 500
Fuel	Without a burner: wood, coal. After installing the burner: gas, heating oil, used oil, pellets.		
Fuel consumption [kg/h]	~15*	~15*	~30*
Rated current [W]	276	276	640
Power [V/Hz]	230/50	230/50	400/50
Diameter of the chimney connection [mm]	150	150	180
Combustion chamber dimensions [mm]	diameter 450 mm, height 680	diameter 442 mm, height 437 mm	diameter - 620 mm, height 860
Dimensions (WxLxH) [mm]	620x940x1900 (1400 + 500 head)	700x1450x950	780x1250x2270 (1720 + 550 head)
Net weight [kg]	160	140	280

* Fuel consumption depends on its type.





EXAMPLE PURPOSE:



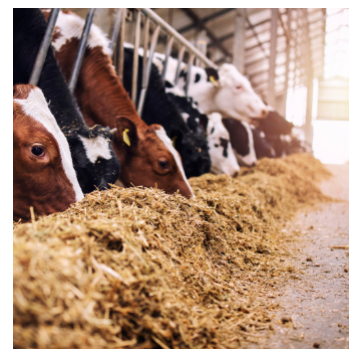
CAR
WORKSHOPS



GREENHOUSES



JOINERY



HOUSING FOR
LIVESTOCK



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MV series mobile air blow heaters with **Lamborghini ECO** series burner for fuel oil.

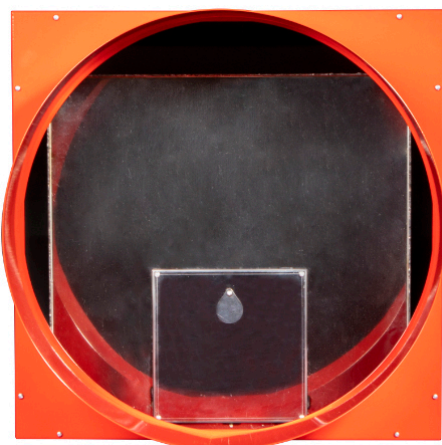
MTM MV series mobile heaters combine modern solutions used in one device. They will quickly provide heat wherever the climatic conditions require it. A specially designed and made of a stainless steel combustion chamber and easier access to the heat exchanger enables the installation of various burners, thanks to which (after installing a suitable burner), we can use multiple fuels: fuel oil, natural gas, LPG, or after installing a multi-oil burner - used oil.

Standard heaters are equipped with an axial fan and a single heated air outlet. In the extended version, MTM heaters of the MV series can be equipped with a radial fan, which enables the heated air to be forced into the network of blower channels. Removable blower panels for simultaneously connecting four rooms are also available as an option. Depending on the needs, the blower panels can be mounted on the heater's front, sides, or top.

FEATURES OF THE MTM MV SERIES HEATERS:

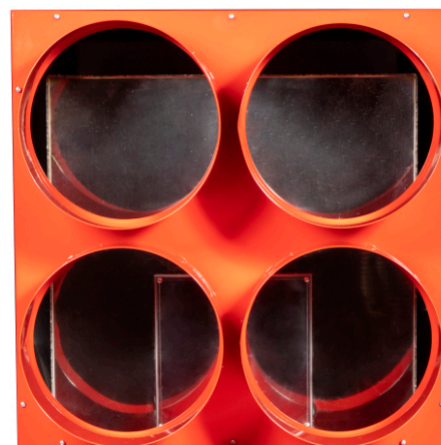
- possibility to suspend from the ceiling or work the heater on the side,
- as standard an axial fan with a pressure of 100 Pa,
- adapted to the connection of flexible sleeves,
- exhaust through one or four channels,
- exhaust gas discharge,
- separate **oil burner**,
- the ability to control an external thermostat,
- a set of wheels as standard,
- stainless steel combustion chamber,
- highly efficient heat exchanger,
- summer/winter switch for ventilation,
- the combustion chamber is designed and constructed to allow more effortless airflow,
- factory handles for easy transport with a forklift,
- housing made of galvanized steel.

1-WAY



AIR OUTLET PANEL

4-WAY



Model	MTM MV 145 +ECO 15	MTM MV 229 +ECO 22
Heating power [kW]	135	229
Airflow [m³/h]	6 900	12 500
Thermostat adjustment	possible	possible
Fuel consumption [l/h]	13,5	22,9
Power consumption [kW]	1	2,35
Power [V/Hz]	230/50	400/50
Diameter of the chimney connection [mm]	200	200
Blow outlet [mm]	1 x 600 lub 4 x 270 mm	1 x 700 lub 4 x 320 mm
Heater dimensions - without wheels (WxLxH) [mm]	675x1520x1070	800x2100x1600
Net weight [kg]	257	330

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PROFESSIONAL AIR TREATMENT SYSTEMS

MTM[®]

Strong and durable construction

Powder-coated housing

Heat exchanger made of stainless steel pipes

1-way or 4-way air outlet possible

Comfortable handles

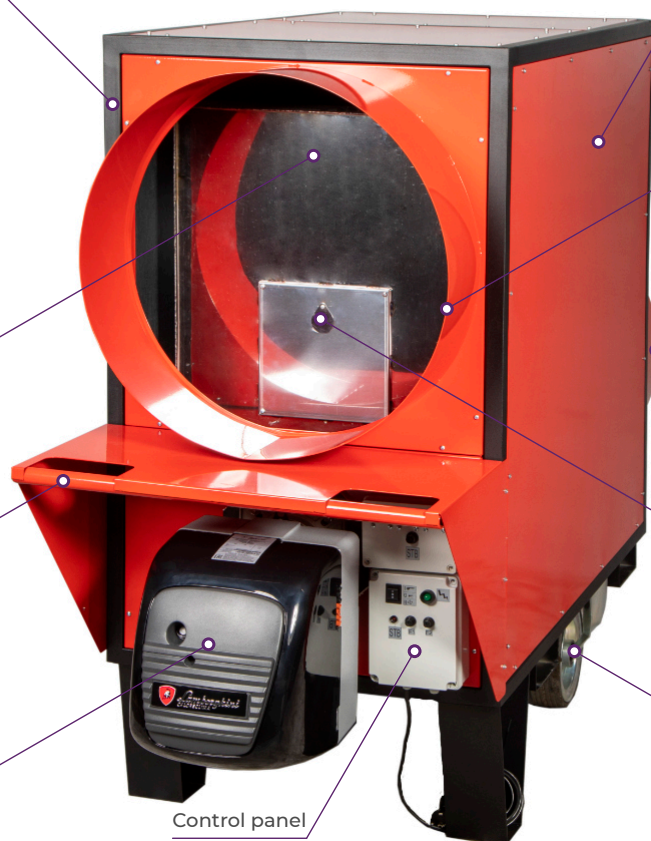
Efficient axial fan

Stainless steel combustion chamber

High-class burner

Wheels for easy transport of the device included

Control panel



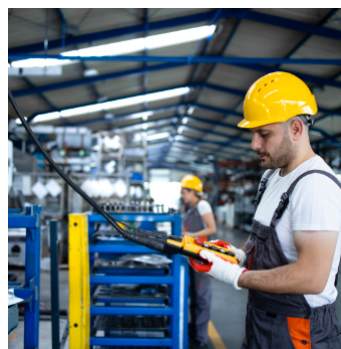
EXAMPLE PURPOSE:



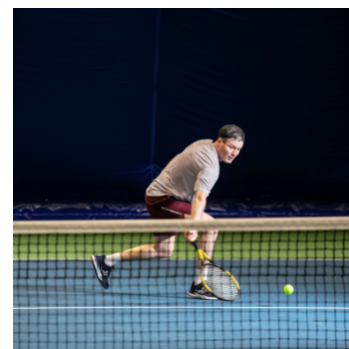
LIVESTOCK BUILDINGS



WAREHOUSES



PRODUCTION



TENNIS COURTS



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PROVEN AND RELIABLE SOLUTIONS



MV series mobile air blast air heaters with a **Lamborghini EM** series gas burner.

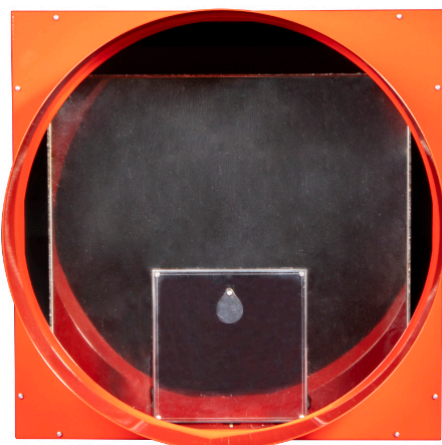
MTM MV series mobile heaters combine modern solutions used in one device. It quickly provides heat wherever the climatic conditions require it. A specially designed and made of a stainless steel combustion chamber and more accessible access to the heat exchanger enables the installation of various burners. Thanks to this solution (after installing an appropriate burner), we can use multiple fuels: heating oil, natural gas, LPG, or installing a multi-oil burner - used oil.

Standard heaters are equipped with an axial fan and a single heated air outlet. In the extended version, MTM heaters of the MV series can be equipped with a radial fan, which enables the heated air to be forced into the network of blower channels. As an option, there are also replaceable blower panels for connecting four flexible hoses allowing heating, e.g., four rooms simultaneously. Depending on the needs, the blower panels can be mounted on the heater's front, sides, or top.

FEATURES OF THE MTM MV SERIES HEATERS

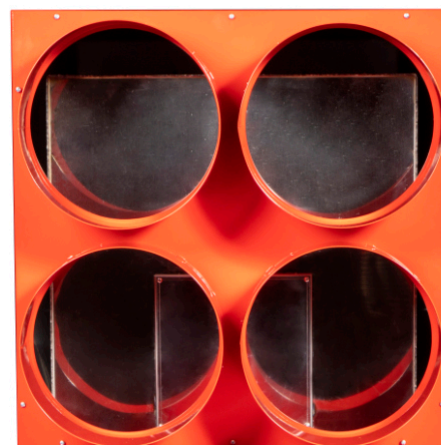
- possibility to suspend from the ceiling or work the heater on its side,
- as standard an axial fan with a pressure of 100 Pa,
- adapted to the connection of flexible sleeves,
- exhaust through one or four channels,
- exhaust gas discharge,
- separate **gas burner**,
- the ability to control an external thermostat,
- a set of wheels as standard,
- stainless steel combustion chamber,
- highly efficient heat exchanger,
- summer/winter switch for ventilation,
- the combustion chamber is designed and constructed to allow more effortless airflow,
- factory handles for easy transport with a forklift,
- housing made of galvanized steel.

1-WAY



AIR OUTLET PANEL

4-WAY



Model	MTM MV 145 +EM 16.D6	MTM MV 229 +EM 26
Heating power [kW]	135	229
Airflow [m³/h]	6 900	12 500
Thermostat adjustment	possible	possible
Fuel consumption [m³/h]	14,4	24,42
Power consumption [kW]	1	2,35
Power [V/Hz]	230/50	400/50
Diameter of the chimney connection [mm]	200	200
Blow outlet [mm]	1 x 600 lub 4 x 270 mm	1 x 700 lub 4 x 320 mm
Heater dimensions - without wheels (WxLxH) [mm]	675x1520x1070	800x2100x1600
Net weight [kg]	257	330

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PROFESSIONAL AIR TREATMENT SYSTEMS

MTM[®]

Strong, durable construction

Powder-coated housing

Heat exchanger made of stainless steel pipes

1-way or 4-way air intake possible

Efficient axial fan

Comfortable handles

Stainless steel combustion chamber

High-class burner

Wheels for easy transport of the device included

Control panel

EXAMPLE PURPOSE:



CAR WORKSHOPS



WAREHOUSES



LIVESTOCK BUILDINGS



CONSTRUCTION

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PROVEN AND RELIABLE SOLUTIONS



MV series mobile air forced air heaters with a multi-oil burner of the CTB series

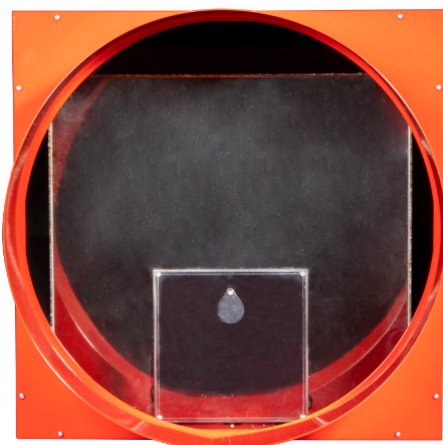
MTM MV series mobile heaters combine modern solutions used in one device. They will quickly provide heat wherever the climatic conditions require it. A specially designed and made of a stainless steel combustion chamber and more accessible access to the heat exchanger enables the installation of various burners. Thanks to this solution (after installing an appropriate burner), we can use multiple fuels: heating oil, natural gas, LPG, or, after installing a multi-oil burner - used oil.

Standard heaters are equipped with an axial fan and a single heated air outlet. In the extended version, MTM heaters of the MV series can be equipped with a radial fan that enables the injection of heated air in the network of blower channels. As an option, there are also replaceable blower panels for connecting four flexible sleeves that will allow heating, e.g., four rooms simultaneously. Depending on the needs, the blower panels can be mounted on the heater's front, sides, or top.

FEATURES OF THE MTM MV SERIES HEATERS

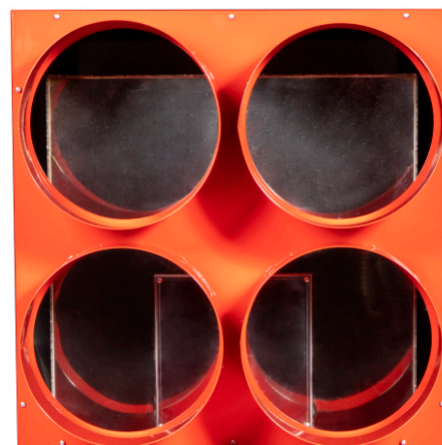
- possibility to suspend from the ceiling or work the heater on the side,
- as standard an axial fan with a pressure of 100 Pa,
- adapted to the connection of flexible sleeves,
- exhaust through one or four channels,
- exhaust gas discharge,
- separate **multi-oil burner**,
- the ability to control an external thermostat,
- a set of wheels as standard,
- stainless steel combustion chamber,
- highly efficient heat exchanger,
- summer/winter switch for ventilation,
- the combustion chamber is designed and constructed to allow more effortless airflow,
- factory handles for easy transport with a forklift,
- housing made of galvanized steel.

1-WAY



AIR OUTLET PANEL

4-WAY



Model	MTM MV 145 +CTB 180	MTM MV 229 +CTB 180
Heating power [kW]	135	229
Airflow (m³/h)	6 900	12 500
Thermostat adjustment	possible	possible
Fuel consumption [l/h]	13,5	22,9
Power consumption [kW]	1	2,35
Power [V/Hz]	230/50	400/50
Diameter of the chimney connection [mm]	200	200
Blow outlet [mm]	1 x 600 lub 4 x 270 mm	1 x 700 lub 4 x 320 mm
Heater dimensions - without wheels (WxLxH) [mm]	675x1520x1070	800x2100x1600
Net weight [kg]	257	330

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PROFESSIONAL AIR TREATMENT SYSTEMS

MTM[®]

Solid and durable structure

Powder-coated housing

Heat exchanger made of stainless steel pipes

- 1-way or 4-way air outlet possible

Efficient axial fan

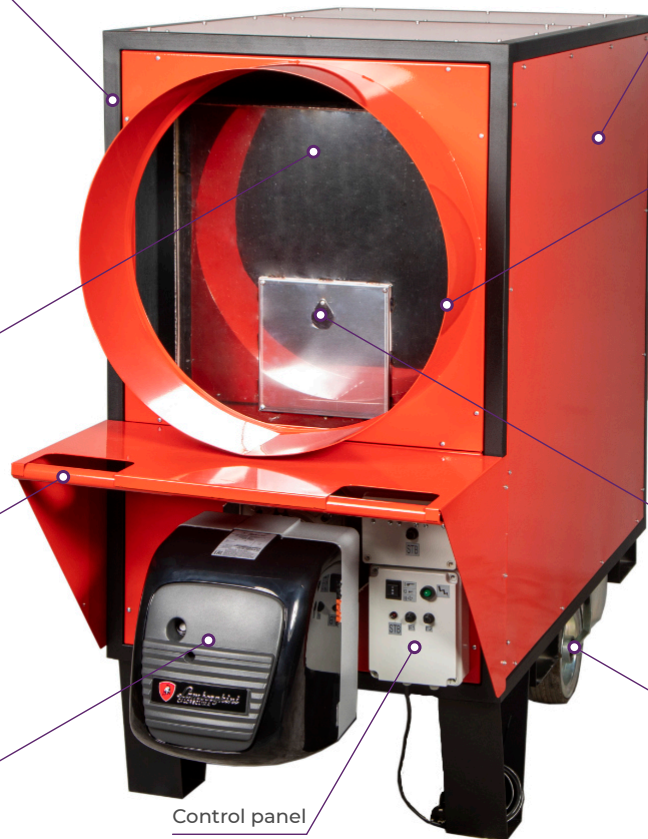
Comfortable handles

Stainless steel combustion chamber

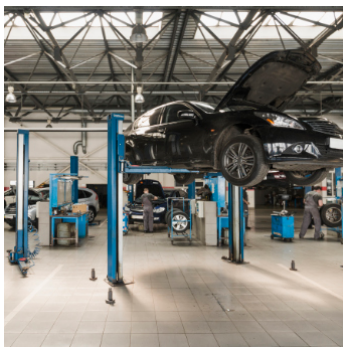
High-class burner

Wheels for easy transport of the device included

Control panel



EXAMPLE PURPOSE:



CAR WORKSHOPS



WAREHOUSES



PRODUCTION



LIVESTOCK BUILDINGS



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PROVEN AND RELIABLE SOLUTIONS



M series blower air heater with Lamborghini ECO burner for fuel oil

Blow-in heaters equipped with high-class Lamborghini oil burners.

MAIN FEATURES

Combustion chamber

The devices are characterized by a specific structure of the combustion chamber and a highly developed heat exchanger made of steel with the addition of chromium, which ensures very high efficiency of the device (about 91%) and maximum resistance to corrosion and high temperature. Thanks to the standard built-in axial fan, the M-type heaters are an ideal solution for heating industrial facilities with the possibility of working on free air.

Service support

An additional advantage of our devices is also effortless access to the combustion chamber and the heat exchanger, which is an important aspect that facilitates subsequent servicing and cleaning of the combustion chamber.

Safety of use

As standard, M heaters are equipped with thermostats controlling the fan, burner, and STB overheating protection. An additional function on the M heaters control panel is a switch that allows you to set the heater to the ventilation mode, thanks to which on hot days, the heater can be used as a large blower fan

FEATURES OF THE M SERIES HEATER

- axial fan,
- separate oil burner,
- cooling thermostat with a circuit breaker,
- possibility to control a room thermostat,
- built-in summer-winter switch,
- ventilation function (air exchange),
- combustion chamber made of heat-resistant stainless steel,
- built-in STB protection.

Lamborghini oil burner

The design of the burner, the components used, and the technology of even air distribution and flame formation guarantee perfect fuel combustion with low exhaust emissions.

Thanks to the adjustable, sliding mounting flange, installation and operation during service or inspection are effortless.

FEATURES OF THE LAMBORGHINI BURNER

- one-stage burner
- low CO² emissions,
- adjustment of the combustion head,
- easy adjustment of the amount of air needed for combustion,
- stabilized airflow,
- even air distribution and flame formation,
- compact size.

Model	M 25+ ECO 3	M 35+ ECO 5N	M 50+ ECO 8	M 65+ ECO 8	M 80+ ECO 10	M 100+ ECO 15	M 125+ ECO 15
Heating power [kW]	20 - 32	35 - 45	45 - 65	60 - 82	80 - 104	100 - 128	126 - 164
Airflow [m ³ /h]	2 100	2 800	4 700	5 800	8 800	11 800	13 000
Oil consumption [l/h]	2,0 - 3,2	3,5 - 4,5	4,5 - 6,5	6,0 - 8,2	8,0 - 10,4	10,0 - 12,8	12,6 - 16,4
Power [V/Hz]	230/50	230/50	230/50	230/50	3x400/50	3x400/50	3x400/50
Power consumption [W]	150	250	590	740	1 100	1500	1800
Diameter of the chimney [mm]	150	150	180	180	200	200	250
Heater dimensions (WxLxH) [mm]	530x860x1440	530x860x1440	640x1070x1650	640x1070x1650	750x1250x1800	750x1250x1800	800x1500x2020
Weight [kg]	101	101	150	150	182	182	200

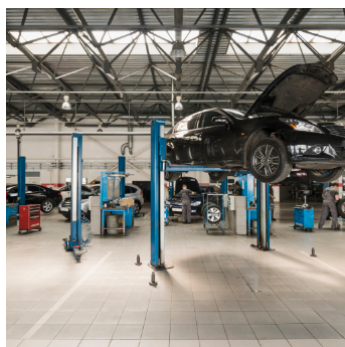
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EXAMPLE PURPOSE:



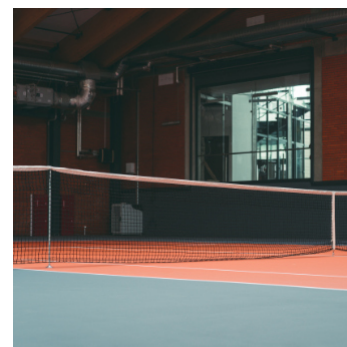
CAR WORKSHOPS



WAREHOUSES



PRODUCTION



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M series blower air heaters with **Lamborghini EM** series gas burner

Air heaters equipped with high-class Lamborghini gas burners.

MAIN FEATURES

Combustion chamber

The devices are characterized by a specific structure of the combustion chamber and a highly developed heat exchanger made of steel with the addition of chromium, which ensures very high efficiency of the device (about 91%) and maximum resistance to corrosion and high temperature. Thanks to the standard built-in axial fan, the M-type heaters are an ideal solution for heating industrial facilities with the possibility of working on free air.

Service support

Our devices' additional advantage is effortless access to the combustion chamber and heat exchanger. This is an important aspect that facilitates subsequent servicing and cleaning of the combustion chamber.

Safety of use

As standard, **M** heaters are equipped with thermostats controlling the fan, burner, and STB overheating protection. An additional function on the **M** heaters control panel is a switch that allows the heater to be set to ventilation mode, thanks to which the heater can be used as a large blower fan on hot days.

FEATURES OF THE M SERIES HEATER

- axial fan,
- separate gas burner,
- cooling thermostat with a circuit breaker,
- possibility to control a room thermostat,
- built-in summer-winter switch,
- ventilation function (air exchange),
- combustion chamber made of heat-resistant stainless steel,
- built-in STB protection.

Lamborghini gas burner

Lamborghini EM series burners are characterized by reliability, durability, and low gas consumption with high efficiency. They are available in the power range from 12kW to 320kW. Energy consumption and emission can be reduced to a minimum by installing burners with modern electronic control and regulation.

FEATURES OF THE LAMBORGHINI BURNER

- single-stage burners (EM),
- intended for pressure boilers,
- can be used for new installations, as well as for reconstruction and modernization of old boilers,
- gas path with a stabilizer, double valve, and filter,
- low CO² emissions,
- adjustment of the combustion head (except for the EM 26-E, EM 35-E model),
- soundproofed housing,
- compact size,
- universal thanks to the possibility of connecting various types of gas,
- delivered in 2 packages (burner + gas rail),
- easy assembly thanks to a movable flange,
- power supply: natural gas or LPG (for the EM 16-E, 26-E model, a conversion kit is needed).

Model	M 25+ EM3.D3	M 35+ EM6.D3	M 50+ EM9.D3	M 65+ EM12.D6	M 80+ EM12.D6	M 100+ EM16.D4	M 125+ EM18.D6
Heating power [kW]	20 - 32	35 - 45	45 - 65	60 - 82	80 - 104	100 - 128	126 - 164
Airflow [m³/h]	2 100	2 800	4 700	5 800	8 800	11 800	13 000
Gas consumption [m³/h]	2,13 - 3,41	3,73 - 4,8	4,8 - 6,93	6,4 - 8,74	8,53 - 11,09	10,66 - 13,65	13,44 - 17,49
Power [V/Hz]	230/50	230/50	230/50	230/50	3x400/50	3x400/50	3x400/50
Power consumption [W]	150	250	590	740	1 100	1500	1800
Diameter of the chimney [mm]	150	150	180	180	200	200	250
Heater dimensions (WxLxH) [mm]	530x860x1440	530x860x1440	640x1070x1650	640x1070x1650	750x1250x1800	750x1250x1800	800x1500x2020
Weight (kg)	101	101	150	150	182	182	200

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PROFESSIONAL AIR TREATMENT SYSTEMS

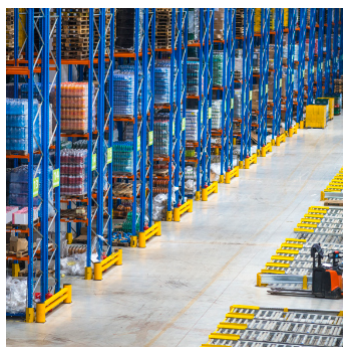
MTM[®]



EXAMPLE PURPOSE:



CAR
WORKSHOPS



WAREHOUSES



PRODUCTION



GREENHOUSES

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PROVEN AND RELIABLE SOLUTIONS



M series blower air heaters with multi oil burner CTB series

Blow heaters equipped with high class burners CTB series multi-oil burners.

MAIN FEATURES

Combustion chamber

The devices are characterized by a specific structure of the combustion chamber and a highly developed heat exchanger made of steel with the addition of chromium, which ensures very high efficiency of the device (about 91%) and maximum resistance to corrosion and high temperature. Thanks to the standard built-in axial fan, the M-type heaters are an ideal solution for heating industrial facilities with the possibility of working on free air.

Service support

Our devices' additional advantage is effortless access to the combustion chamber and heat exchanger. This is an important aspect that facilitates subsequent servicing and cleaning of the combustion chamber.

Safety of use

As standard, M heaters are equipped with thermostats controlling the fan, burner, and STB overheating protection. An additional function on the M heaters control panel is a switch that allows the heater to be set to ventilation mode, thanks to which the heater can be used as a large blower fan on hot days.

FEATURES OF THE M SERIES HEATER

- axial fan,
- separate multi-oil burner,
- cooling thermostat with a circuit breaker,
- built-in summer-winter switch,
- ventilation function (air exchange),
- combustion chamber made of heat-resistant stainless steel,
- highly efficient heat exchanger,
- built-in STB protection.

CTB multi-oil burner

CTB - is a high-class burner, the reliable and straightforward design of which makes it the best burner suitable for burning vegetable oils (biofuels), used vegetable oils (gastronomy), mineral oils (including used engine, gear, and hydraulic oils, type HBO I, II, III), medium and light heating fuels and diesel oils. The burners are available in the power range of 17 to 1200 kW.

Our company has been a producer of top-class burners and multi-furnaces since 1977. For years, our devices have been highly appreciated by individual users and large companies from the automotive industry. By purchasing a proven product from our company, you can ensure that the device is thoroughly tested and constructed on components from leading HVAC equipment companies.

Model	M 25+ CTB 65	M 35+ CTB 65	M 50+ CTB 80	M 65+ CTB 80	M 80+ CTB 180	M 100+ CTB 180	M 125+ CTB 180
Heating power [kW]	20 - 32	35 - 45	45 - 65	60 - 82	80 - 104	100 - 128	126 - 164
Airflow [m³/h]	2 100	2 800	4 700	5 800	8 800	11 800	13 000
Oil consumption [l/h]	1,7 - 2,7	3,5 - 4,5	4,5 - 6,5	6,0 - 8,2	8,0 - 10,4	10,0 - 12,8	12,6 - 16,4
Power [V/Hz]	230/50	230/50	230/50	230/50	3x400/50	3x400/50	3x400/50
Power consumption [W]	150	250	590	740	1 100	1500	1800
Diameter of the chimney [mm]	150	150	180	180	200	200	250
Heater dimensions (WxLxH) [mm]	530x860x1440	530x860x1440	640x1070x1650	640x1070x1650	750x1250x1800	750x1250x1800	800x1500x2020
Weight [kg]	101	101	150	150	182	182	200

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PROFESSIONAL AIR TREATMENT SYSTEMS

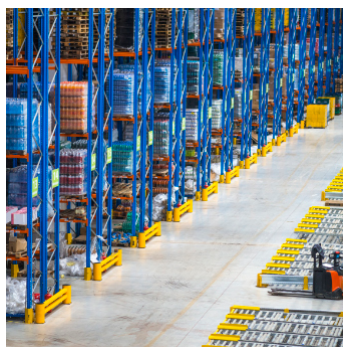
MTM[®]



EXAMPLE PURPOSE:



CAR WORKSHOPS



WAREHOUSES



PRODUCTION



VEHICLE CHECK STATIONS



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PROVEN AND RELIABLE SOLUTIONS



Blow-in heaters of the **MP** series with a **Lamborghini** seriously **ECO** burner for fuel oil

Blow-in heaters equipped with high-class Lamborghini oil burners.

MAIN FEATURES

Combustion chamber

The devices are characterized by a specific structure of the combustion chamber and a highly developed heat exchanger made of steel with the addition of chromium, which ensures very high efficiency of the device (about 91%) and maximum resistance to corrosion and high temperature. Thanks to the standard built-in axial fan, the **MP** heaters are an ideal solution for heating industrial facilities with the possibility of working on a free blow and in a duct system.

Service support

An additional advantage of the devices we offer is easy access to the combustion chamber and the heat exchanger. This is an important aspect that facilitates subsequent servicing and cleaning of the combustion chamber.

Safety of use

As standard, **MP** heaters are equipped with thermostats controlling the fan, burner, and STB overheating protection. An additional function on the **MP** heaters control panel is a switch that allows you to set the heater to the ventilation mode, thanks to which on hot days the heater can be used as a large blower fan.

FEATURES OF THE MP SERIES HEATER

- radial fan,
- separate oil burner,
- cooling thermostat with a circuit breaker,
- possibility to control a room thermostat,
- built-in summer-winter switch,
- ventilation function (air exchange),
- combustion chamber made of heat-resistant stainless steel,
- built-in STB protection.

Lamborghini oil burner

The design of the burner, the components used, and the technology of even air distribution and flame formation guarantee perfect fuel combustion with low exhaust emissions.

Installation and operation during service or inspection are easy thanks to the adjustable, sliding mounting flange.

LAMBORGHINI BURNER FEATURES:

- one-stage burner,
- low CO² emissions,
- adjustment of the combustion head,
- easy adjustment of the amount of air needed for combustion,
- stabilized airflow,
- even air distribution and flame formation,
- compact size.

Model	MP 25+ ECO 3	MP 35+ ECO 5N	MP 50+ ECO 8	MP 65+ ECO 8	MP 80+ ECO 10	MP 100+ ECO 15	MP 125+ ECO 15	MP 150+ ECO 20	MP 200+ ECO 30
Heating power [kW]	20 - 32	35 - 45	45 - 65	60 - 82	80 - 104	100 - 128	126 - 164	126 - 192	190 - 260
Airflow [m³/h]	2 250	3 350	4 100	5 700	6 680	7 690	10 800	13 900	20 500
Oil consumption [l/h]	2,0 - 3,2	3,5 - 4,5	4,5 - 6,5	6,0 - 8,2	8,0 - 10,4	10,0 - 12,8	12,6 - 16,4	12,6 - 19,2	19,0 - 26,0
Power [V/Hz]	230/50	230/50	230/50	230/50	3x400/50	3x400/50	3x400/50	3x400/50	3x400/50
Power consumption [W]	150	250	590	740	1100	1500	1800	1800	3700
Diameter of the chimney [mm]	150	150	180	180	200	200	250	250	250
Heater dimensions (WxLxH) [mm]	530x860x1440	530x860x1440	640x1070x1650	640x1070x1650	750x1250x1800	750x1250x1800	800x1500x2020	800x1580x2020	1000x1750x2350
Weight (kg)	106	106	150	160	180	200	340	350	200

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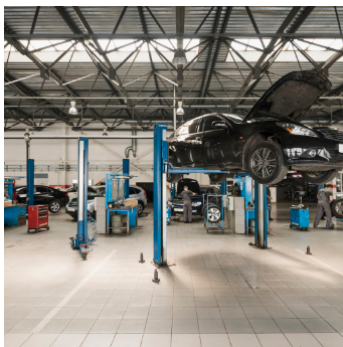
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PROFESSIONAL AIR TREATMENT SYSTEMS

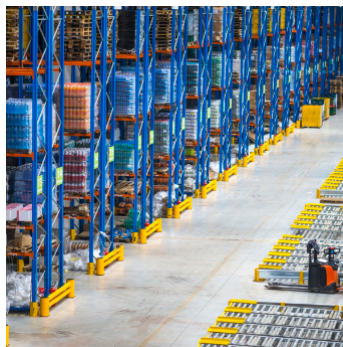
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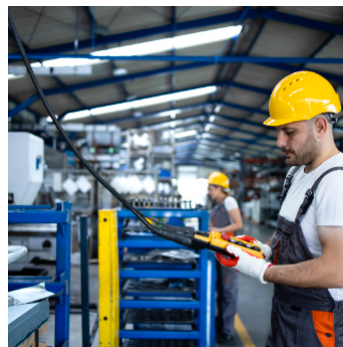
EXAMPLE PURPOSE:



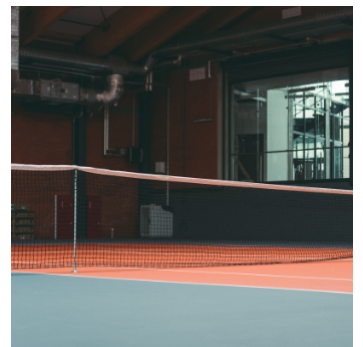
CAR
WORKSHOPS



WAREHOUSES



PRODUCTION



TENNIS COURTS

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PROVEN AND RELIABLE SOLUTIONS



MP series blower air heaters with **Lamborghini EM** series gas burner

Blow-in heaters equipped with high-class Lamborghini oil burners.

MAIN FEATURES

Combustion chamber

The devices are characterized by a specific structure of the combustion chamber and a highly developed heat exchanger made of steel with the addition of chromium, which ensures very high efficiency of the device (about 91%) and maximum resistance to corrosion and high temperature. Thanks to the standard built-in axial fan, the **MP** heaters are an ideal solution for heating industrial facilities with the possibility of working on a free blow and in a duct system.

Service support

An additional advantage of the devices we offer is easy access to the combustion chamber and the heat exchanger. This is an important aspect that facilitates subsequent servicing and cleaning of the combustion chamber.

Safety of use

As standard, **MP** heaters are equipped with thermostats controlling the fan, burner, and STB overheating protection. An additional function on the **MP** heaters control panel is a switch that allows you to set the heater to the ventilation mode, thanks to which on hot days the heater can be used as a large blower fan.

FEATURES OF THE MP SERIES HEATER

- radial fan,
- separate gas burner,
- cooling thermostat with a circuit breaker,
- possibility to control a room thermostat,
- built-in summer-winter switch,
- ventilation function (air exchange),
- combustion chamber made of heat-resistant stainless steel,
- built-in STB protection.

Lamborghini gas burner

Lamborghini EM series burners are characterized by reliability, durability, and low gas consumption with high efficiency. They are available in the power range from 12 kW to 320 kW. Energy consumption and emissions can be reduced to a minimum by installing burners with modern electronic regulation controls.

LAMBORGHINI BURNER FEATURES

- single-stage burners (EM),
- intended for pressure boilers,
- can be used for new installations, as well as for reconstruction and modernization of old boilers,
- gas path with a stabilizer, double valve, and filter,
- low CO² emission,
- adjustment of the combustion head (except for the EM 26-E - EM 35-E model),
- soundproofed housing,
- compact size,
- universal thanks to the possibility of connecting various types of gas,
- delivered in 2 packages (burner + gas rail),
- easy assembly thanks to a movable flange,
- power supply: natural gas or LPG (a conversion kit is required for the EM 16-E - 26-E model).

Model	MP 25 +EM3	MP 35 +EM6	MP 50 +EM9	MP 65 +EM12	MP 80 +EM12.D6	MP 100 +EM16	MP 125 +EM18	MP 150 +EM26	MP 200 +EM35
Heating power [kW]	20 - 32	35 - 45	45 - 65	60 - 82	80 - 104	100 - 128	126 - 164	126 - 192	190 - 260
Airflow [m³/h]	2 250	3 350	4 100	5 700	6 680	7 690	10 800	13 900	20 500
Gas consumption [m³/h]	2,13 - 3,41	3,73 - 4,8	4,8 - 6,93	6,4 - 8,74	8,53 - 11,09	10,66 - 13,65	13,44 - 17,49	13,44 - 20,48	20,26 - 27,73
Power [V/Hz]	230/50	230/50	230/50	230/50	3x400/50	3x400/50	3x400/50	3x400/50	3x400/50
Power consumption [W]	150	250	590	740	1 100	1 500	1 800	1 800	3 700
Diameter of the chimney [mm]	150	150	180	180	200	200	250	250	250
Heater dimensions (WxLxH) [mm]	530x860x1440	530x860x1440	640x1070x1650	640x1070x1650	750x1250x1800	750x1250x1800	800x1500x2020	800x1580x2020	1000x1750x2350
Weight [kg]	106	106	150	160	180	200	340	350	200

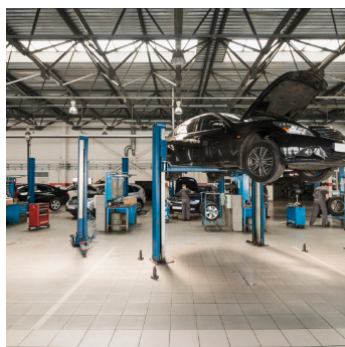
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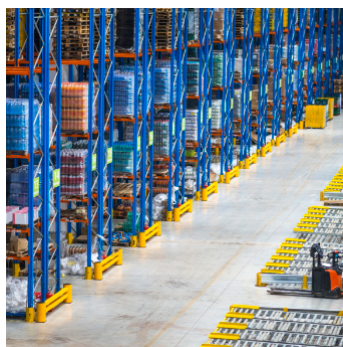
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EXAMPLE PURPOSE:



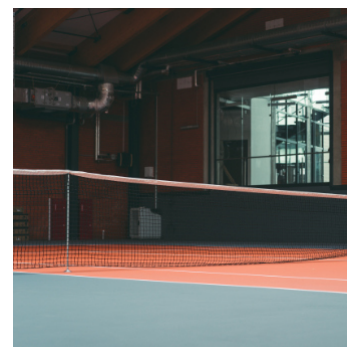
CAR WORKSHOPS



WAREHOUSES



PRODUCTION



TENNIS COURTS

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MP series forced air heaters with a **multi-oil** burner of the **CTB** series

Air heaters equipped with high-class multi-oil burners of the **CTB** series.

MAIN FEATURES

Combustion chamber

The devices are characterized by a specific structure of the combustion chamber and a highly developed heat exchanger made of steel with the addition of chromium, which ensures very high efficiency of the device (about 91%) and maximum resistance to corrosion and high temperature. Thanks to the standard built-in radial fan, the **MP**-type heaters are an ideal solution for heating industrial facilities with the possibility of working on free air and in a duct system.

Service support

Our devices' additional advantage is effortless access to the combustion chamber and heat exchanger. This is an important aspect that facilitates subsequent servicing and cleaning of the combustion chamber.

Safety of use

As standard, **MP** heaters are equipped with thermostats controlling the fan, burner, and STB overheating protection. An additional function on the **MP** heaters control panel is a switch that allows the heater to be set to ventilation mode, thanks to which the heater can be used as a large blower fan on hot days.

FEATURES OF THE M SERIES HEATER

- radial fan,
- separate multi-oil burner,
- cooling thermostat with a circuit breaker,
- possibility to control a room thermostat,
- built-in summer-winter switch,
- ventilation function (air exchange),
- combustion chamber made of heat-resistant stainless steel,
- highly efficient heat exchanger,
- built-in STB protection.

CTB multi-oil burner

CTB - is a high-class burner, the reliable and straightforward design of which makes it the best burner suitable for burning vegetable oils (biofuels), used vegetable oils (gastronomy), mineral oils (including used engine, gear, and hydraulic oils, type HBO I, II, III), medium and light heating fuels and diesel oils. The burners are available in the power range of 17 to 1200 kW.

Our company has been a producer of top-class burners and multi-furnaces since 1977. For years, our devices have been highly appreciated by individual users and large companies from the automotive industry. By purchasing a proven product from our company, you can ensure that the device is thoroughly tested and constructed on components from leading HVAC equipment companies.

Model	MP 25+ CTB 65	MP 35+ CTB 65	MP 50+ CTB 80	MP 65+ CTB 80	MP 80+ CTB 180	MP 100+ CTB 180	MP 125+ CTB 180	MP 150+ CTB 180	MP 200+ CTB 400
Heating power [kW]	20 - 32	35 - 45	45 - 65	60 - 82	80 - 104	100 - 128	126 - 164	126 - 192	190 - 260
Airflow [m³/h]	2 250	3 350	4 100	5 700	6 680	7 690	10 800	13 900	20 500
Oil consumption [l/h]	1,7 - 2,7	2,9 - 3,8	3,8 - 5,5	5,1 - 7,0	6,8 - 8,8	8,5 - 10,9	10,7 - 14,0	10,7 - 16,4	16,2 - 22,2
Power [V/Hz]	230/50	230/50	235/50	230/50	3x400/50	3x400/50	3x400/50	3x400/50	3x400/50
Power consumption [W]	150	250	590	740	1 100	1 500	1 800	1 800	3 700
Diameter of the chimney [mm]	150	150	180	180	200	200	250	250	250
Heater dimensions (WxLxH) [mm]	530x860x1440	530x860x1440	640x1070x1650	640x1070x1650	750x1250x1800	750x1250x1800	800x1500x2020	800x1580x2020	1000x1750x2350
Weight [kg]	106	106	150	160	180	200	340	350	470

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PROFESSIONAL AIR TREATMENT SYSTEMS

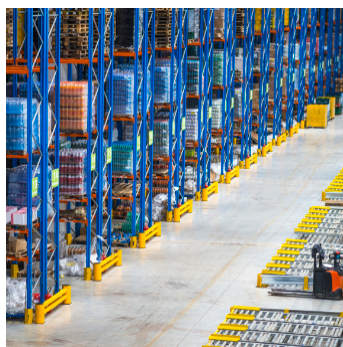
MTM[®]



EXAMPLE PURPOSE:



CAR
WORKSHOPS



WAREHOUSES



PRODUCTION



VEHICLE CHECK
STATIONS



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PROVEN AND RELIABLE SOLUTIONS



Semi-automatic **multi-oil** air heater **MTM 8-30**

MTM8-30 / 2in1 - the device combines small and medium-power furnaces thanks to a wide range of operations.

High-precision, low-speed toothed fuel feed, designed especially for our devices - taking into account the specific conditions of use - pumps any oil, regardless of its density. Thanks to this, you do not have to remember choosing the proper mode of operation - the pump installed in our devices handles both thick used oils and thinner heating oils and their mixtures.

MODEL DESCRIPTION

- 3-stage power regulation - 8kW, 19kW, 30kW,
- heater protection against overheating,
- protection against overflow of the furnace,
- simple and failure-free controller,
- fuel tank covered with a powder coating,
- combustion chamber made of steel with increased temperature resistance,
- 25l tank,
- manual ignition,
- blowing warm air to the sides,
- maximum temperature of hot air outlet 50-70 ° C (at air temperature inside the room approx. 12 ° C)
- blowing 1460 m³ / h of warm air.

Available in 2 colors:

ZINC PLATED

BLACK



MAIN FEATURES

Combustion chamber

The combustion chamber is stainless steel, while the furnace bowl is made of cast iron.

Fuel filler

The fuel inlet is designed in such a way as to easily and quickly add fuel without fear that the controller will be flooded or larger contaminants will get into the tank. The easy-to-remove filter allows you to clean it efficiently.

Overflow protection

The new, improved system prevents oil from overflowing in the combustion chamber, thanks to a more sensitive micro-switch

Automation

We improved device electronics. Now you do not have to wonder what voltage you have in the network because, in our latest controller, we have used a voltage stabilization system. Over-voltage protection increases the service life of the controller.

The universal oil stove controller type **MTM 8-30** is equipped with a control knob and two buttons that allow the user to control the heater's operation and LEDs indicating the device's operating status combined with an acoustic signal in the event of a failure.

High thermal efficiency

The **MTM 8-30** heater effectively heats rooms with a capacity of up to 800 m³ (with good insulation of the building).

Type of fuels that can be used:

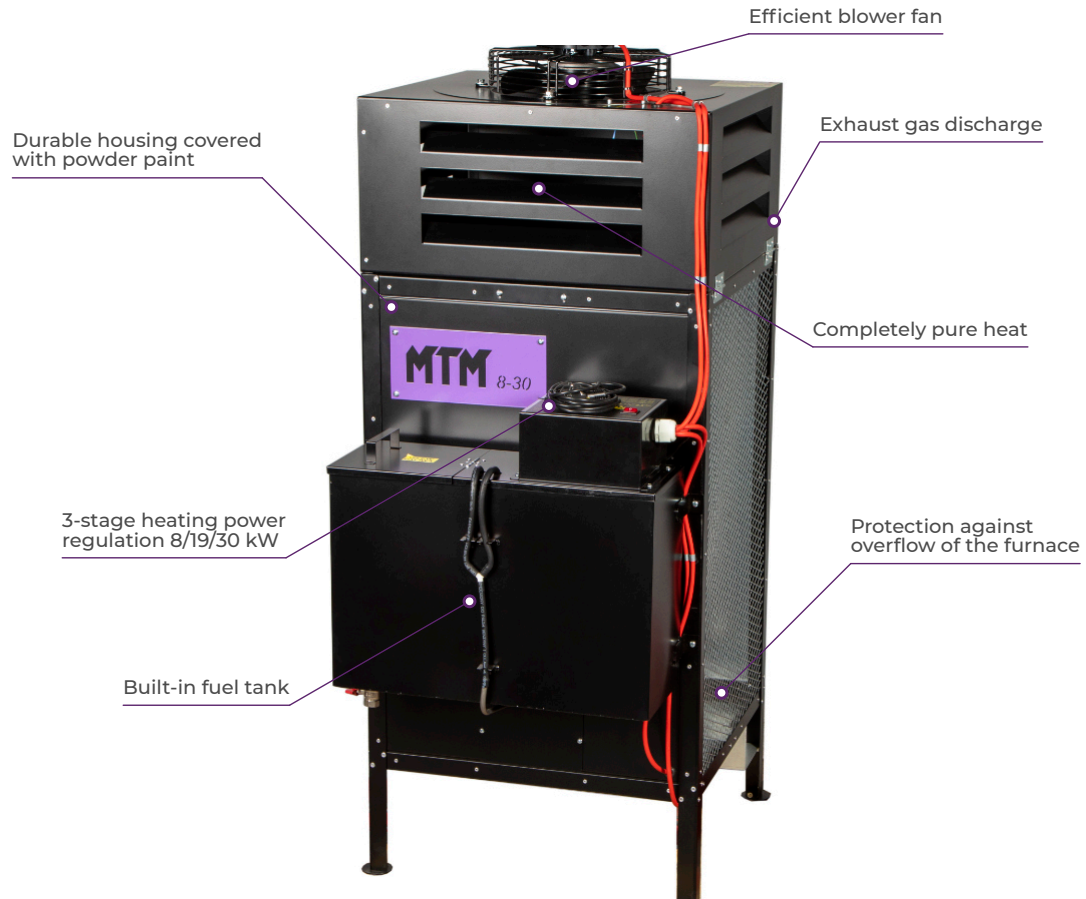
- vegetable oils (biofuels),
- raw vegetable oils (rapeseed, sunflower, and other oils), including post-frying (gastronomy),
- mineral oils (used engine, gear, hydraulic, and diesel oils of HBO I, II, III type with a viscosity not higher than SAE80),
- heating oil.

Model	MTM 8-30
Heating power [kW]	8 - 30
Airflow [m ³ /h]	1 460
Oil consumption [l/h]	0,8 - 3,0
Power [V/Hz]	230/50
Power consumption [W]	100
Diameter of the uptake [mm]	130
Heater dimensions (HxWxL) [mm]	1350 x 540 x 920
Weight [kg]	50



PROFESSIONAL AIR TREATMENT SYSTEMS

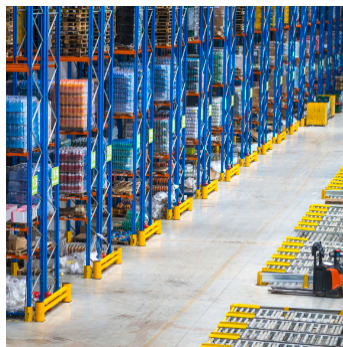
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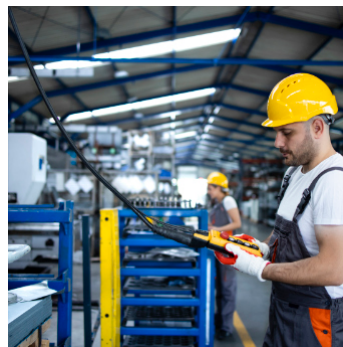
EXAMPLE PURPOSE:



CAR
WORKSHOPS



WAREHOUSES



PRODUCTION



VEHICLE CHECK
STATIONS



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PROVEN AND RELIABLE SOLUTIONS



Semi-automatic **multi-oil** air heater **MTM 17-33**

MTM 17-33 / 2 in 1 - the device combines medium and high power furnaces thanks to a wide range of operations.

Power regulation consists of smoothly increasing or decreasing the revolutions of the fuel feeding pump. Burning takes place evenly, regardless of the thickness of the oil. A high-precision, low-speed gear fuel pump, specially designed for our devices, taking into account the specific conditions of use, pumps any oil, regardless of its density. Thanks to this, you do not have to check the thickness of the oil at your disposal, and you do not have to remember to select the appropriate operating mode - the pump installed in our devices pumps both thick used oils, and thinner used oils, as well as thinner heating oils and their mixtures.

MODEL DESCRIPTION

- smooth power regulation from 17kW to 33 kW,
- heater protection against overheating,
- protection against overflow of the furnace,
- LEDs signaling operation or possible emergency stop of combustion,
- built-in control thermostat (the fan turns off in the shutdown function of the stove when the temperature drops below 40 ° C within the combustion chamber),
- thermostatic pump operation supervision,
- durable housing covered with a powder coating,
- combustion chamber made of steel with increased temperature resistance (acid-resistant steel),
- 50l tank,
- manual ignition,
- an outlet panel with a hot air blower on the front wall, heat radiation in all directions,
- completely pure heat,
- hot air outlet temperature 50-70°C (at air temperature inside the room about 12°C),
- blowing 1000 m³/h of warm air.

MAIN FEATURES

Combustion chamber

The combustion chamber is stainless steel, while the furnace bowl is made of cast iron.

Fuel filler

The fuel inlet is designed in such a way as to easily and quickly add fuel, without fear that we will flood the controller or larger contaminants will get into the tank. The easy-to-remove filter allows you to clean it efficiently.

Overflow protection

Thanks to a more sensitive micro-switch, the new, improved system prevents oil from overflowing in the combustion chamber.

Automation

Improves the device's electronics: Now, you do not have to wonder what voltage you have in the network because, in our latest controller, we have used a voltage stabilization system. Over-voltage protection increases the service life of the controller.

The universal oil stove controller, type **MTM 17-33**, is equipped with a control knob and two buttons that allow the user to control the heater's operation and LEDs indicating the device's operating status combined with an acoustic signal in the event of a failure.

High thermal efficiency

The **MTM 17-33** heater effectively heats rooms with a capacity of up to 800 m³ (with good building insulation).

Type of fuels that may be used

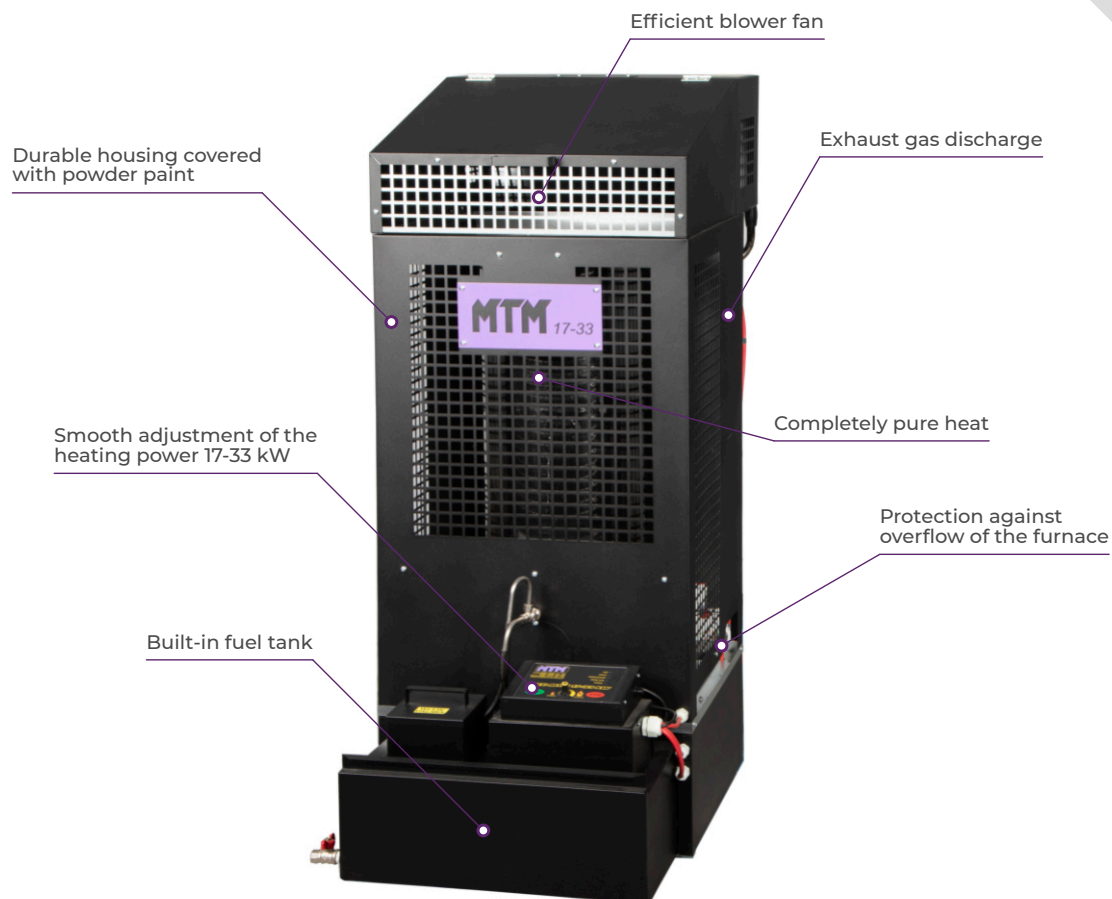
- plant oils (biofuels),
- raw vegetable oils (rapeseed, sunflower, and other oils), including post-frying (gastronomy),
- mineral oils (used engine, gear, hydraulic, and diesel oils of HBO I, II, III type with a viscosity not higher than SAE80),
- heating oil.

Model	MTM 17-33
Heating power [kW]	17 -33
Airflow [m ³ /h]	1 000
Oil consumption [l/h]	1,7 - 3,3
Power [V/Hz]	230/50
Power consumption [W]	190
Diameter of the uptake [mm]	150
Heater dimensions (HxWxL) [mm]	1390 x 580 x 870
Weight [kg]	90

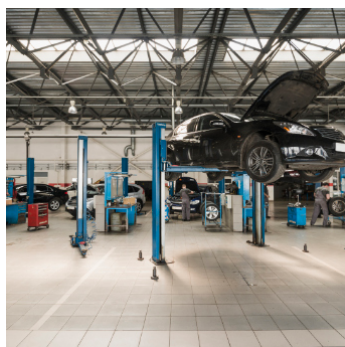


PROFESSIONAL AIR TREATMENT SYSTEMS

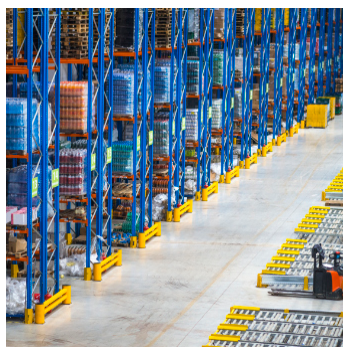
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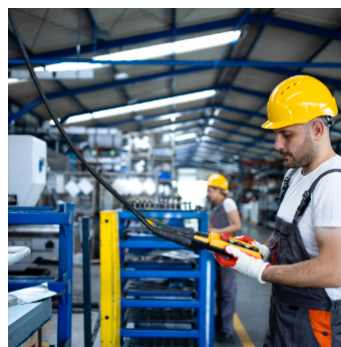
EXAMPLE PURPOSE:



CAR WORKSHOPS



WAREHOUSES



PRODUCTION



VEHICLE CHECK STATIONS



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PROVEN AND RELIABLE SOLUTIONS



Semi-automatic **multi-oil** air heater **MTM 17-33N**

MTM 17-33N / 2 in 1 - the device combines medium and high power furnaces thanks to a wide range of operations.

Power regulation consists of smoothly increasing or decreasing the revolutions of the fuel feeding pump. Burning takes place evenly, regardless of the thickness of the oil. A high-precision, low-speed gear fuel pump, specially designed for our devices, taking into account the specific conditions of use, pumps any oil, regardless of its density. Thanks to this, you do not have to check the thickness of the oil at your disposal, and you do not have to remember to select the appropriate operating mode - the pump installed in our devices pumps both thick used oils, and thinner used oils, as well as thinner heating oils and their mixtures.

MODEL DESCRIPTION

- five-way discharge of heated air,
- smooth power regulation from 17kW to 33 kW,
- heater protection against overheating,
- protection against overflow of the furnace,
- LEDs signaling operation or possible emergency stop of combustion,
- built-in control thermostat (the fan turns off in the shutdown function of the stove when the temperature drops below 40 ° C within the combustion chamber),
- thermostatic pump operation supervision,
- durable housing covered with a powder coating,
- combustion chamber made of steel with increased temperature resistance (acid-resistant steel),
- 50l tank,
- manual ignition,,
- an outlet panel with a hot air blower on the front wall, heat radiation in all directions,
- completely pure heat,
- hot air outlet temperature 50-70°C (at air temperature inside the room about 12°C),
- blowing 1000 m³/h of warm air..

MAIN FEATURES

Combustion chamber

The combustion chamber is stainless steel, while the furnace bowl is made of cast iron.

Fuel filler

The fuel inlet is designed in such a way as to easily and quickly add fuel, without fear that we will flood the controller or larger contaminants will get into the tank. The easy-to-remove filter allows you to clean it efficiently.

Overflow protection

Thanks to a more sensitive micro-switch, the new, improved system prevents oil from overflowing in the combustion chamber.

Automation

Improves the device's electronics: Now, you do not have to wonder what voltage you have in the network because, in our latest controller, we have used a voltage stabilization system. Over-voltage protection increases the service life of the controller.

The universal oil stove controller, type **MTM 17-33N**, is equipped with a control knob and two buttons that allow the user to control the heater's operation and LEDs indicating the device's operating status combined with an acoustic signal in the event of a failure.

High thermal efficiency

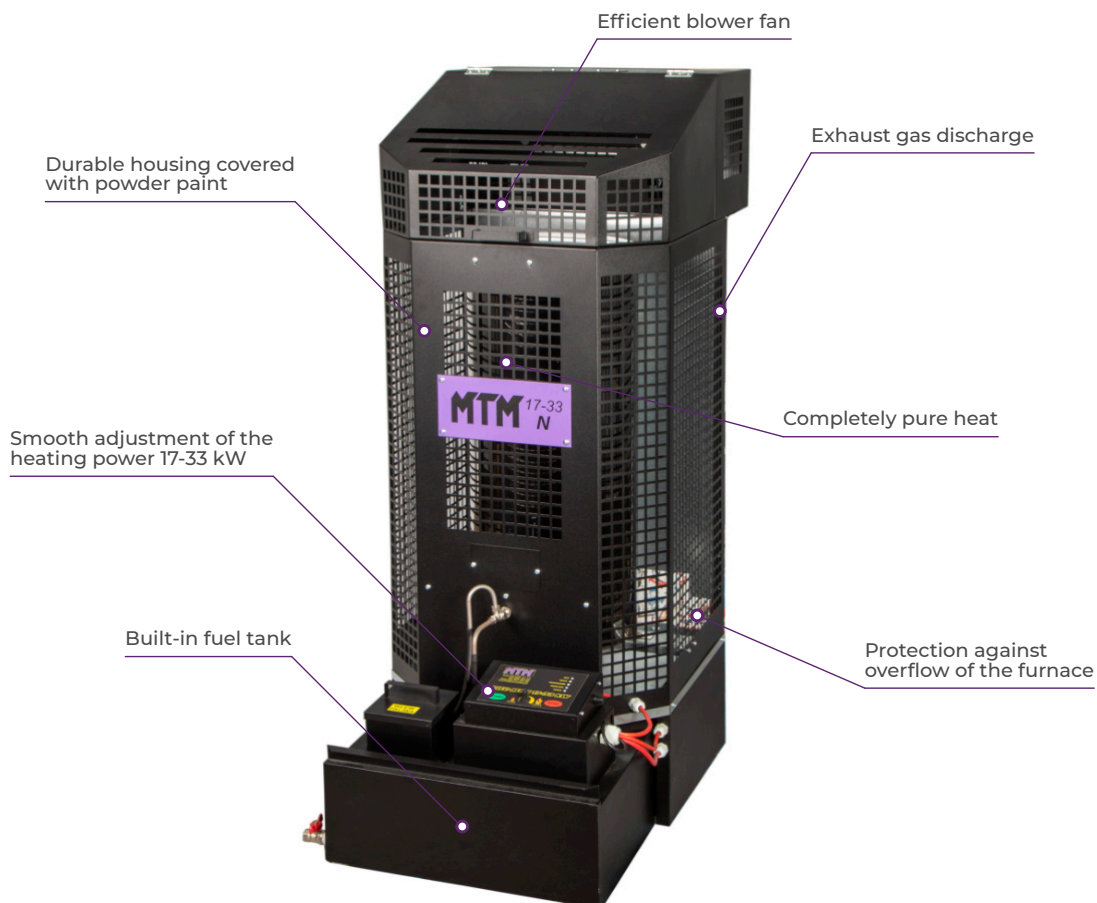
The **MTM 17-33N** heater effectively heats rooms with a capacity of up to 800 m³ (with good building insulation).

Type of fuels that may be used

- plant oils (biofuels),
- raw vegetable oils (rapeseed, sunflower, and other oils), including post-frying (gastronomy),
- mineral oils (used engine, gear, hydraulic, and diesel oils of HBO I, II, III type with a viscosity not higher than SAE80),
- heating oil.

Model	MTM 17-33N
Heating power [kW]	17 -33
Airflow [m ³ /h]	1 000
Oil consumption [l/h]	1,7 - 3,3
Power [V/Hz]	230/50
Power consumption [W]	190
Diameter of the uptake [mm]	150
Heater dimensions (HxWxL) [mm]	1370 x 540 x 850
Weight [kg]	90

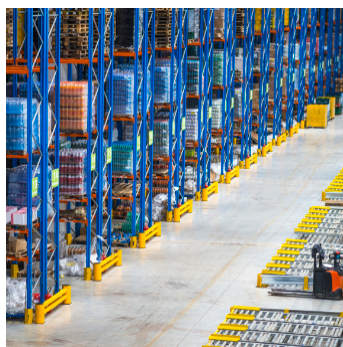




EXAMPLE PURPOSE:



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PRODUCTION



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Semi-automatic **multi-oil** air heater **MTM 15-35GT**

MTM 15-35GT / 2 in 1 - stove with a closed combustion chamber, with increased efficiency and lower fuel consumption.

The **MTM 15-35GT** heater has a closed combustion chamber with an additional oxygenating fan and the possibility of drawing air from another room or from outside. Thanks to this solution, the heater can work in spaces with slightly increased dustiness, e.g., paint preparation plants, and with extraction machines that create negative pressure.

MODEL DESCRIPTION

- new design!
- five-sided exhaust of heated air,
- built-in microprocessor controller:
 - smooth power regulation from 15 to 35kW,
 - LEDs indicating operation or possible emergency stop of combustion with an audible signal,
- durable housing with a powder coating,
- a closed combustion chamber made of steel with increased temperature resistance with an oxygenating fan,
- the possibility of supplying air to the combustion chamber from the outside,
- the fan turns off as the stove is put out when the temperature drops below 40 ° C within the combustion chamber,
- thermostatic control of the fuel pump operation,
- manual ignition,
- 100% pure heat,
- constant radiation / blow-out temperature,
- blowing 1000 m³/h of warm air,
- the possibility of using accessories:
 - air supply duct to the fan oxygenating the combustion chamber,
- 50l fuel tank,
- heater protection against overheating,
- protection against overflow of the furnace,
- thermostatic pump operation supervision.

MAIN FEATURES

Combustion chamber

The combustion chamber is stainless steel, while the furnace bowl is made of cast iron.

Fuel filler

The fuel inlet is designed in such a way as to easily and quickly add fuel, without fear that we will flood the controller or larger contaminants will get into the tank. The easy-to-remove filter allows you to clean it efficiently.

Overflow protection

Thanks to a more sensitive micro-switch, the new, improved system prevents oil from overflowing in the combustion chamber.

Automation

Improves the device's electronics: Now, you do not have to wonder what voltage you have in the network because, in our latest controller, we have used a voltage stabilization system. Over-voltage protection increases the service life of the controller.

The universal oil stove controller, type **MTM 15-35 GT**, is equipped with a control knob and two buttons that allow the user to control the heater's operation and LEDs indicating the device's operating status combined with an acoustic signal in the event of a failure.

High thermal efficiency

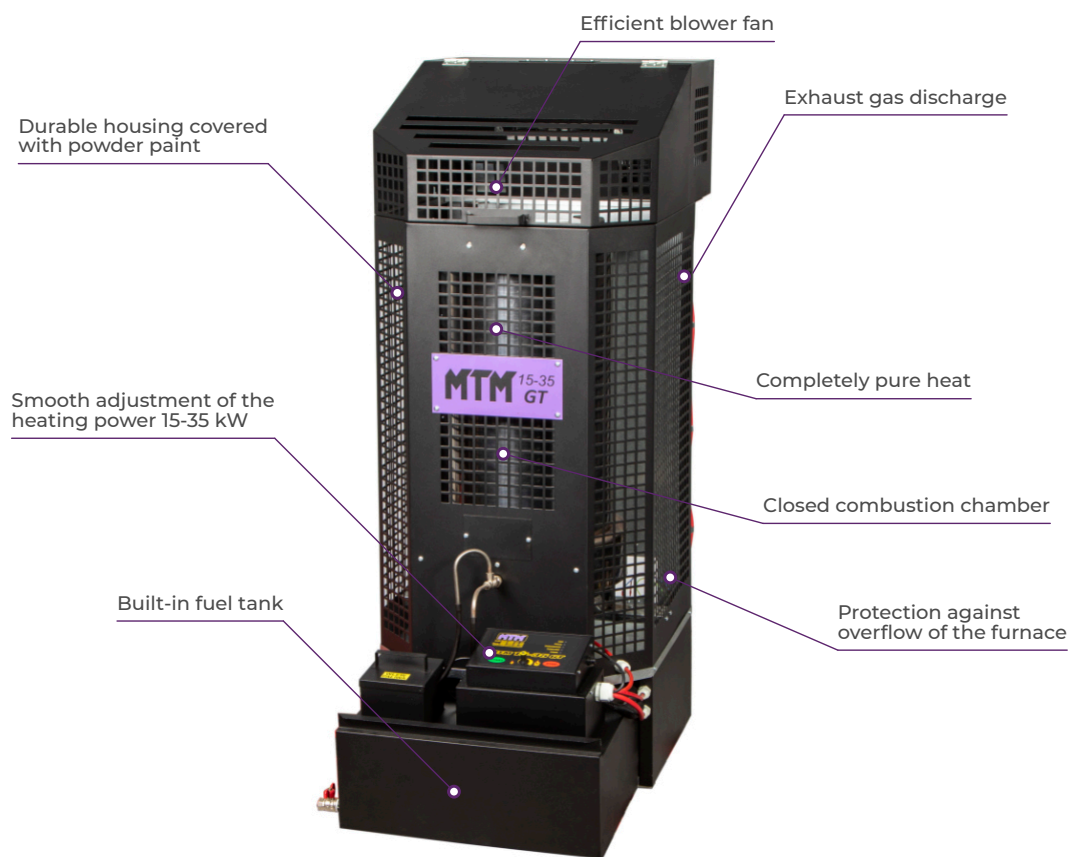
The **MTM 15-35 GT** heater effectively heats rooms with a capacity of up to 850 m³ (with good building insulation).

Type of fuels that may be used

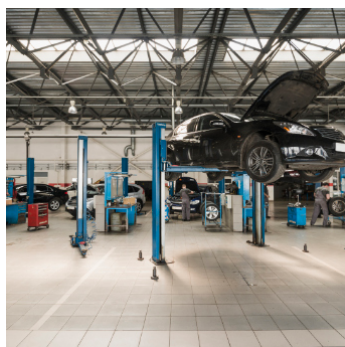
- plant oils (biofuels),
- raw vegetable oils (rapeseed, sunflower, and other oils), including post-frying (gastronomy),
- mineral oils (used engine, gear, hydraulic, and diesel oils of HBO I, II, III type with a viscosity not higher than SAE80),
- heating oil.

Model	MTM 15-35 GT
Heating power [kW]	15 -35
Airflow [m ³ /h]	1 000
Oil consumption [l/h]	1,5 - 3,5
Power [V/Hz]	230/50
Power consumption [W]	190
Diameter of the uptake [mm]	150
Heater dimensions (HxWxL) [mm]	1390 x 580 x 870
Weight [kg]	90

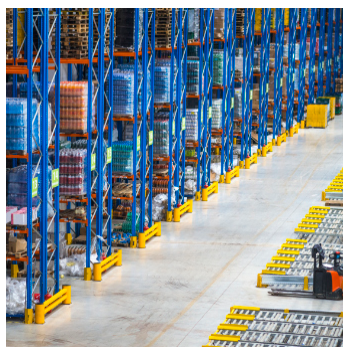




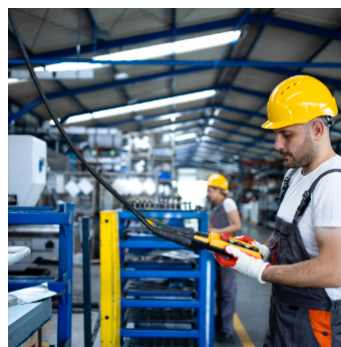
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Semi-automatic **multi-oil** air heater **MTM 30-52**

MTM 30-52 / 2 in 1 device combines medium and high power furnaces thanks to a wide range of operations.

Power regulation consists of smoothly increasing or decreasing the revolutions of the fuel feeding pump. Burning takes place evenly, regardless of the thickness of the oil. A high-precision, low-speed gear fuel pump, specially designed for our devices, taking into account the specific conditions of use, pumps any oil, regardless of its density. Thanks to this, you do not have to check the thickness of the oil at your disposal, and you do not have to remember to select the appropriate operating mode - the pump installed in our devices pumps both thick used oils and thinner heating oils and their mixtures.

The fuel inlet is designed in such a way as to easily and quickly add fuel, without fear that we will flood the controller or larger contaminants will get into the tank. The easy-to-remove filter allows you to clean it efficiently.

Improved device electronics. You don't have to wonder what voltage you have in the network because our newest controller is equipped with a voltage stabilization system. Over-voltage protection increases the service life of the controller.

MAIN FEATURES

Closed combustion chamber

The **MTM 30-52** heater has a closed combustion chamber with an additional oxygenating fan and the possibility of drawing air from another room or from outside. Thanks to this solution, the heater can work in spaces with slightly increased dustiness, e.g., paint preparation plants and extraction machines that create negative pressure.

The combustion chamber is stainless steel, while the furnace bowl is made of cast iron.

High thermal efficiency

The **MTM 30-52** heater effectively heats rooms with a capacity of up to 1500 m³ (with good building insulation).

Overflow protection

Thanks to a more sensitive micro-switch, the new, improved system prevents oil from overflowing in the combustion chamber.

Control panel

The universal oil stove controller, type **MTM 30-52**, is equipped with an adjustment knob and two buttons that allow the user to control the heater's operation and LEDs indicating the device's operating status combined with an acoustic signal in the event of a failure.

Type of fuels that may be used

- vegetable oils (biofuels),
- raw vegetable oils (rapeseed, sunflower, and others), including post-frying (gastronomy),
- mineral oils (used engine, gear, hydraulic, and diesel oils of HBO I, II, III type with a viscosity not higher than SAE80),
- heating oil.

Model	MTM 30-52
Heating power [kW]	30 -52
Airflow [m ³ /h]	5 500
Oil consumption [l/h]	3,0 - 5,2
Power [V/Hz]	230/50
Power consumption [W]	300
Diameter of the uptake [mm]	150
Heater dimensions (HxWxL) [mm]	1300 x 600 x 1 200
Weight [kg]	120

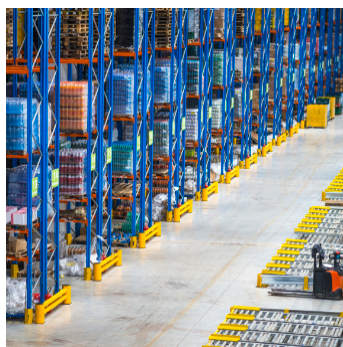




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Semi-automatic multi-oil air heater MTM 30-52 R-F, R-L, R-R

MTM 30-52 R-F, R-L, R-R / 2 in 1 device combines medium and high power furnaces thanks to a wide range of operations.

Multi-oil blowing furnace type **MTM 30-52 R-F, R-L, R-R**. The model is equipped with air outlets, enabling the connection of air ducts, transporting warm air to other rooms or over long distances, and setting the warm air outlets in a specific direction.

Power regulation consists of smoothly increasing or decreasing the revolutions of the fuel feeding pump. Burning takes place evenly, regardless of the thickness of the oil. A high-precision, low-speed gear fuel pump, specially designed for our devices, taking into account the specific conditions of use, pumps any oil, regardless of its density. Thanks to this, you do not have to check the thickness of the oil at your disposal, and you do not have to remember to select the appropriate operating mode - the pump installed in our devices pumps both thick used oils and thinner heating oils and their mixtures.

The fuel inlet is designed in such a way as to easily and quickly add fuel, without fear that we will flood the controller or larger contaminants will get into the tank. The easy-to-remove filter allows you to clean it efficiently.

New, improved system to prevent oil overflow in the combustion chamber thanks to a more sensitive micro-switch.

Improved device electronics. You don't have to wonder what voltage you have in the network because our newest controller is equipped with a voltage stabilization system. Over-voltage protection increases the service life of the controller.

Outlet direction - designation

- **MTM 30-52 R-F** - front outlet (2 x ducts)
- **MTM 30-52 R-L** - left-hand outlet (2 ducts),
- **MTM 30-52 R-R** - right-hand outlet (2 ducts).

MAIN FEATURES

Closed combustion chamber

The MTM 30-52 R-F, R-L, R-R heater has a closed combustion chamber with an additional oxygenating fan and the possibility of drawing air from another room or from outside. Thanks to this solution, the heater can work in spaces with slightly increased dustiness, e.g., paint preparation plants and extraction machines that create negative pressure.

The combustion chamber is stainless steel, while the furnace bowl is made of cast iron.

High thermal efficiency

The MTM 30-52 R-F, R-L, R-R heater effectively heats rooms with a capacity of up to 1500 m³ (with good building insulation).

Overflow protection

Thanks to a more sensitive micro-switch, the new, improved system prevents oil from overflowing in the combustion chamber.

Control panel

The universal oil stove controller, type MTM 30-52 R-F, R-L, R-R, is equipped with an adjustment knob and two buttons that allow the user to control the heater's operation and LEDs indicating the device's operating status combined with an acoustic signal in the event of a failure.

Type of fuels that may be used

- vegetable oils (biofuels),
- raw vegetable oils (rapeseed, sunflower, and others), including post-frying (gastronomy),
- mineral oils (used engine, gear, hydraulic, and diesel oils of HBO I, II, III type with a viscosity not higher than SAE80),
- heating oil.

Model	MTM 30-52 R-F, R-L, R-R
Heating power [kW]	30 - 52
Airflow [m ³ /h]	5 500
Oil consumption [l/h]	3,0 - 5,2
Power [V/Hz]	230/50
Power consumption [W]	300
Diameter of the uptake [mm]	150
Heater dimensions (HxWxL) [mm]	1300 x 600 x 1 200
Weight [kg]	120



PROFESSIONAL AIR TREATMENT SYSTEMS

MTM[®]

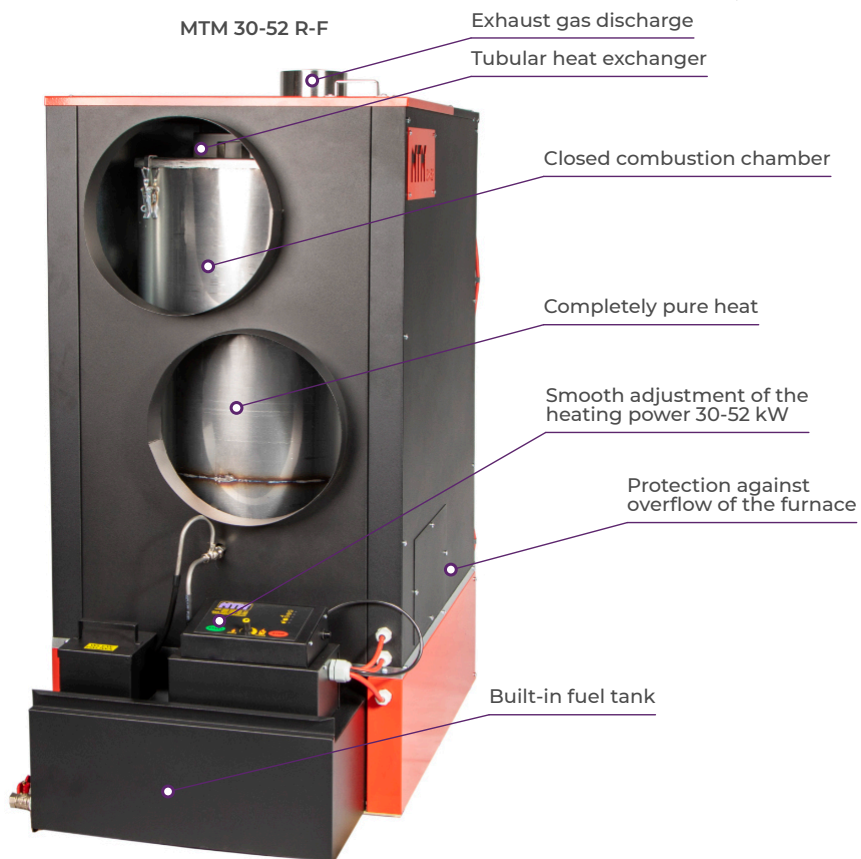
MTM 30-52 R-L



MTM 30-52 R-R



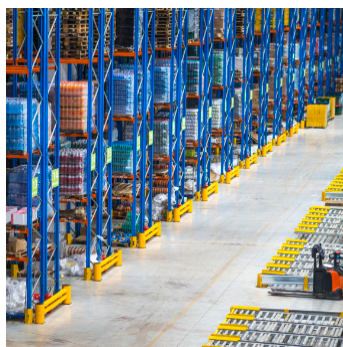
MTM 30-52 R-F



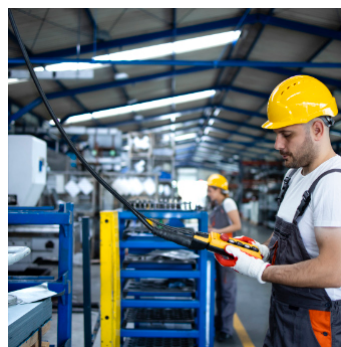
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PROVEN AND RELIABLE SOLUTIONS



Double-sided flue gas economizer

A two-sided flue gas economizer/recuperator is a device that allows you to recover up to 40% of the heat that goes into the chimney.

Construction

The **MTM economizer** is a compact structure consisting of a tubular heat exchanger, an acid-resistant steel housing, and an efficient fan.

Principles of operation

The hot exhaust gases from the heating device to the chimney pass through the heat exchanger while heating the clean air taken in from the room. The heated air is forced through the two warm air outlets thanks to the radial fan.

The additional heat obtained from the flue gas increases the heating efficiency of the device, thus allowing to heat a larger area or reducing heating costs by reducing the fuel consumption of the heating device.

Connecting the blower channels to the economizer outlets allows the heated air to be directed to adjacent rooms. The shorter the length of the track, the greater the performance. It is recommended to use ducts to heat rooms located "through the wall" with the room where the heating device is located or at a short distance from this room.

Installation

The economizer should be installed on the vertical section of the exhaust pipe, as close as possible to the uptake - the exhaust outlet from the appliance (where the exhaust gas temperature is the highest).

Destiny

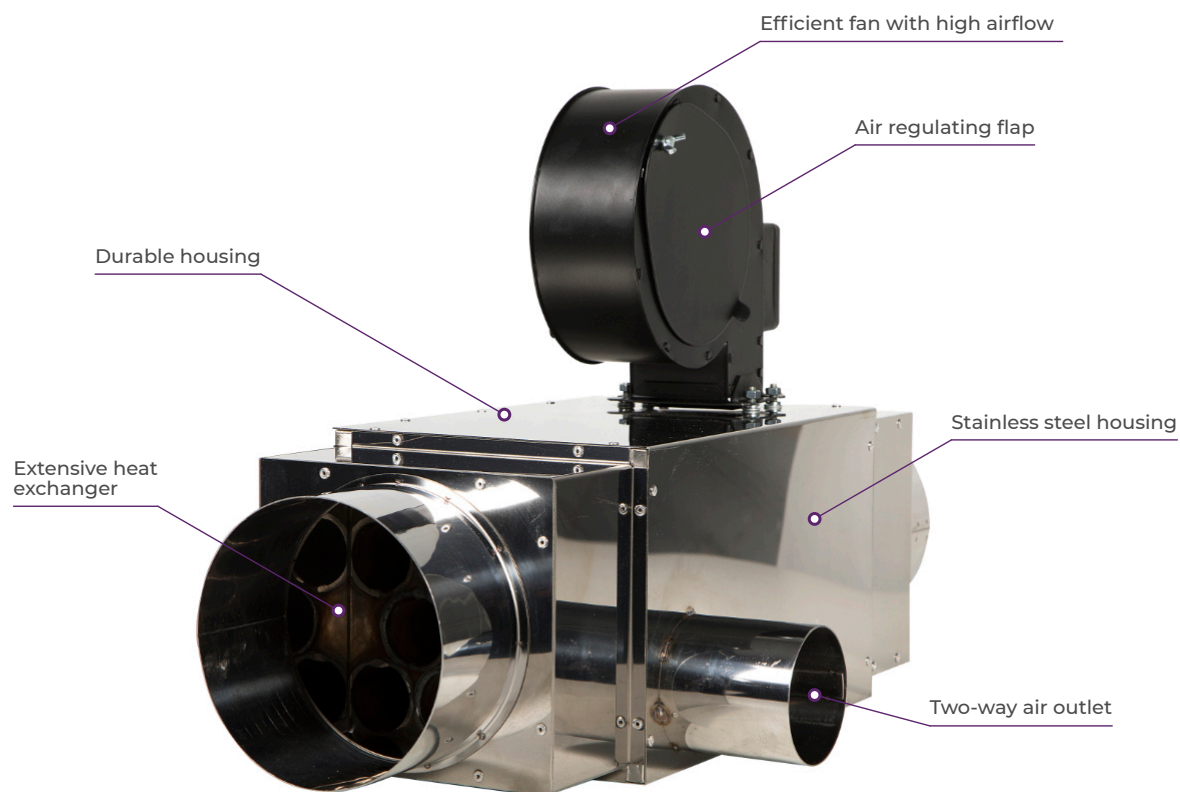
- increasing the efficiency of furnaces and heaters,
- lowering heating costs,
- heating 1 or 2 additional rooms.

Application

- blast furnaces (MTM 17-33, MTM 8-30, MTM 15-35GT, MTM 30-52, WA29, WA33, WA33A MAC, HP 125, HP 115, AT-305, AT-306, AT-307, MTM 33, HP-105, HP-115, HP-125, INOP-34, SMH33),
- MASTER brand heaters (BV110E, BV170E, BV290E),
- solid fuel furnaces and other furnaces with exhaust gas outlet up to 150mm in diameter.

Model	MTM ECONOMIZER 6,5 kW	MTM ECONOMIZER 12,7 kW
Recovered heating power [kW]	6,5	12,7
Airflow [m³/h]	270	450
Diameter of the chimney connection [mm]	150	150
Diameter of the hot air inlets [mm]	80	80
Temperature increase [°C]	do 100	do 100
Power [V/Hz]	230/50	230/50
Dimensions (HxWxL) [mm]	610x370x420	610x370x420
Weight [kg]	8,7	8,7





APPLICATION

- blast furnaces (MTM 17-33, MTM 8-30, MTM 15-35GT, MTM 30-52, WA29, WA33, WA33A MAC, HP 125, HP 115, AT-305, AT-306, AT-307, MTM 33, HP-105, HP-115, HP-125, INOP-34, SMH33),
- MASTER brand heaters (BV110E, BV170E, BV290E),
- solid fuel furnaces and other furnaces with exhaust gas outlet up to 150mm.

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Electric heaters **MTM ME 2PTC** and **ME 3PTC**

The design of the MTM ME 2PTC (2000W) and ME 3PTC (3000W) electric heaters and their equipment allows the devices to be used as the main or additional heat source.

These heaters work as a portable heat source for heating rooms during construction and finishing. Compact structure, high thermal efficiency, quiet operation, no exhaust emissions, and no oxygen consumption are the features that determine the suitability for heating rooms inhabited by people and animals.

Unlike combustion heaters without flue gas discharge, the **MTM ME 2PTC** and **ME 3PTC** electric heaters do not emit steam during operation. This fact makes these devices useful for heating rooms to dry them.

The **MTM ME PTC** electric heaters have a durable metal casing with strong, insulated (for safety reasons) carrying handles. Inside the heater, there are modern and energy-saving PTC heating elements, making it more economical than heaters with standard heaters by as much as **30%**.

Advantages of MTM electric heaters from the ME PTC series

- **COMFORT** - temperature control thanks to the use of a thermostat,
- **CONVENIENCE** - ergonomic handle for easy portability,
- **SAFETY** - protection against overheating.

Application:

- additional heating of household facilities such as bedrooms, kitchens, dry bathrooms (without exposure to direct water - the housing is not splash-proof),
- additional heating of renovation facilities,
- local and bench heating in small workplaces, offices, and shops,
- local ventilation in the summer months - operation without the operation of heaters.

Model	MTM ME 2PTC	MTM ME 3PTC
Heating power [kW]	1/2	1,5/3
Airflow [m³/h]	97	97
Power [V/Hz]	230/50	230/50
Rated current [A]	8,7	13
Switch position 1	1 kW	Wyłączony
Switch position 2	2 kW	1,5 kW
Switch position ¾	-	3 kW
Thermostat control	Built-in	Built-in
Temperature range	0-40 °C	0-40 °C
Level of security	IP 21	IP 21
Size of the package (LxWxH) [mm]	200x200x200	244x240x250
Net / gross weight [kg]	1,9/2,1	3,4/3,7

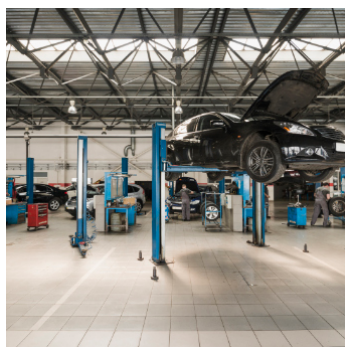
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EXHIBITION
STANDS



BUILDING ZONE



CONSTRUCTION

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MTM electric heaters of the ME series (3.3 / 9/15/22 kW)

Portable **MTM ME** series electric heaters are designed for failure-free operation under challenging conditions. They are intended for additional heating and heating of various rooms. They are most often used to heat production halls, workshops, warehouses, social spaces, shops, garages, guard booths, and flats. They are perfect for construction and finishing works, supporting the work of, e.g., dehumidifiers, rooms, and accelerating the performance of plastering, painting, or conservation works.

Great mobility

The unquestionable advantage of electric heaters is their high mobility - you only need to provide access to the electrical installation. You can use power generators outdoors, and thanks to the low weight, you can easily change the heater's place of operation. Compact, metal housing, high efficiency, quiet operation, no exhaust emissions, and no oxygen consumption are the features of electric heaters. They can be used in rooms where people and animals are present. The fact that no water vapor is released prevents moisture accumulation in the rooms and supports their drying.

Built-in room thermostat

The **MTM ME** series heaters are equipped with an adjustable thermostat - if the temperature in the room is lower than the temperature set on the thermostat, the device will start heating. After reaching the temperature set in the thermostat in the room, the device turns off: the heating elements and the fan stop working. After the temperature in the room decreases, the device automatically starts heating by turning on the heating elements and the fan.

Adjustable heating power

The main switch regulates the heating power, which can be set, depending on the model, in the position $\frac{1}{2}$ or $\frac{1}{1}$ or $\frac{1}{3}$ or $\frac{2}{3}$ or $\frac{1}{1}$ of the force. Models from 3.3 kW to 22kW can work in the fan mode after selecting the mode with the main switch marked with the fan pictogram.

Improved warm air distribution

Models with power from 3.3 kW to 22 kW during operation continuously force air circulation even when the heating elements are turned off to better distribute heat in a heated room. This allows the air temperature to be equalized in different room parts. The heaters are protected against overheating in the form of a manual RESET function. There is a capillary tube temperature sensor in the air outlet cover.

Overheating protection

If the outgoing air temperature exceeds 105 °C (the sensor measures the temperature), the heating elements will be turned off, and the fan will run. To enable the heaters to work, press the RESET button located on the heater's front panel, next to the thermostat knob.

ME 3,3, ME 9, and ME 15 heaters are equipped with a manual RESET. There is an automatic reset on the **ME 22** model. It differs from manual RESET in that after the device is turned off and cooled down, it will automatically reset, and the heater will be ready for operation. The most common reason for this function to work is a power failure during the heaters' process, causing the temperature inside the device to rise due to the fan stopping or turning the device off without cooling down for 3 minutes.

Model	ME 3,3 kW	ME 9 kW	ME 15 kW	ME 22 kW
Heating power [kW]	1,65 / 3,3	3/6/9	7,5/15	11/22
Airflow [m³/h]	400	700	1300	2400
Power [V/Hz]	230/50		400/50	
Rated current [A]	14,3	13	21,6	32
Switch position 1	OFF			
Switch position [2/3]-S3,3 [2/3/4]-S9, S15, S22	1,65 / 3,3 kW	3,0/6,0/9,0 kW	fan	fan
Switch position 4	fan	fan	7,5/15,0 kW	11/22,0 kW
Thermostat control	built-in	built-in	built-in	built-in
Temperature range	5-35 °C			
Level of security	IP 44			
Size of the package (LxWxH) [mm]	410x300x260	340x360x500	370x440x640	550x570x640
Net / gross weight [kg]	7,5	10/10,5	16/16,5	26/26,5





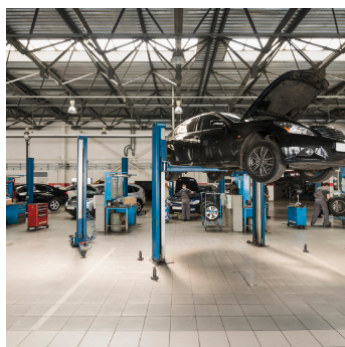
ME 3,3 kW

ME 9 kW

ME 15 kW

ME 22 kW

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MTM electric heaters of the MX series (9/15/22 kW)

MTM MX portable electric heaters are designed to operate under challenging conditions without failure. They are intended for reheating and heating various rooms with worse thermal insulation. They are most often used to heat production halls, workshops, warehouses, social spaces, shops, garages, guard booths, and flats. They are perfect for construction and finishing works, supporting the work of, e.g., dehumidifying rooms and accelerating the performance of plastering, painting, or restoration works.

The unquestionable advantage of electric heaters is their high mobility - you only need to provide access to the electrical installation. In the outdoors, you can use power from power generators, and thanks to the low weight, you can easily change the place of operation of the heater. These are devices for professionals designed to work under challenging conditions flawlessly. Professional quality: 99-hour ON / OFF timer, compact, metal housing, high efficiency, quiet operation, emission of exhaust gases, and no oxygen consumption are the features of electric heaters. They can be used in rooms where people can use them and animals are present. The fact that no water vapor is released prevents moisture accumulation in the rooms and supports their drying.

MTM MX heaters are equipped with an adjustable timer for up to 99 hours and an adjustable thermostat - if the temperature in the room is lower than the temperature set on the thermostat, the device starts to work by starting heating. After reaching the temperature set on the thermostat in the room, the device switches off: the heating elements and the fan stop working. After the temperature in the room decreases, the device automatically starts heating by turning on the heating elements and the fan.

The heating power is regulated by the main switch, which can be set, depending on the model, in the 1/2 or 1/1 position / Models from 9kW to 20kW can work in the fan mode after selecting the mode marked with the fan pictogram with the main switch.

Models with power from 9kW to 20kW during operation continuously force air circulation even when the heating elements are turned off to better distribute heat in a heated room. This allows the air temperature to be equalized in different room parts.

The heaters have protection against overheating in the form of an automatic RESET function with simultaneous cooling - if the temperature of the outgoing air exceeds 105 ° C (a sensor measures the temperature), the STB thermostat will automatically activate: the heating elements will be turned off, and the fan in the heater will work to cool down heating elements. The most common reason for this function to work is a power failure during the heaters' operation, causing the temperature inside the device to rise due to the fan stopping or turning the device off without cooling down for 3 minutes.

Characteristic:

- built-in adjustable thermostat,
- built-in 1.5m power cord,
- programmable on/off up to 99 hours,
- no exhaust fumes, no smell, no moisture,
- do not consume oxygen,
- quiet operation,
- heating elements made of stainless steel,
- adjustable thermostat,
- two-stage power control + fan mode
- solid and durable steel structure,
- handles for easy transport of the heater,
- has a cooling function,
- power supply 3x400V / 50Hz,
- 3-year manufacturer's warranty.

Model	MX 9kW	MX 15kW	MX 20kW
Heating power [kW]	6,0 / 9,0	9,0 / 15,0	10,0/20,0
Airflow [m³/h]	1 700	2 200	3 000
Power [V/Hz]		400/50	
Rated current [A]	13	26	26
Switch position 1		Power KW	
Switch position 2		Temp. max 35°C	
Switch position 3		Delayed start max. 99 h	
Switch position 4		Delayed stop max. 99 h	
Switch position 5		Fan	
Temperature range		5-35°C	
Level of security		IP 44	
Size of the package (LxWxH) [mm]	510x390x340	510x390x530	510x390x530
Net / gross weight [kg]	14	19	20





MX 9 kW

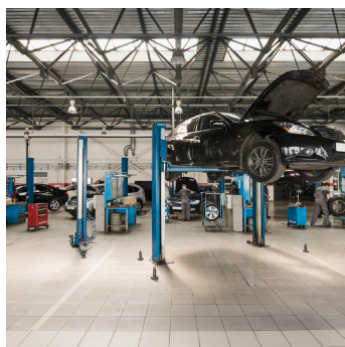


MX 15 kW



MX 20 kW

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Central heating water boilers **MEGA PREX / REX** series with **Lamborghini ECO** burner for fuel oil

MEGA PREX / REX boilers are steel boilers of high efficiency. They have EU CE approval and are ideal for heating medium-sized buildings. Specially designed to work with fan burners. **MEGA PREX / REX** boilers present solutions to reduce the condensation of acid compounds or prevent their negative effects. It is precisely such solutions that make these boilers work perfectly with burners powered by fuel oil.

The unique form of the combustion chamber and heat exchanger structure guarantees high boiler efficiency and, as a result, operational savings. By reducing the amount of heat lost to the outside, the boiler efficiency can also increase.

The reduction of these losses was achieved through the unique and thorough insulation of the combustion chamber. To reduce the flue gas temperature, optimal dimensions of the heat exchange surface have been designed. Thanks to flue gas swirlers technology, the speed of flue gas outflow into the chimney is optimized.

MAIN FEATURES

Construction

The construction in the horizontal flame tube technology with a reversible combustion chamber, stainless steel swirlers, and double thermal insulation (mineral wool in 100mm ALU foil) ensure high efficiency $\geq 92\%$ fuel savings and low emission of harmful substances in the exhaust gases.

Maintenance

Simple maintenance and cleaning of the boiler interior - free access to the combustion chamber and smoke tubes through the large front door, fully tilted, and the inspection door at the rear of the boiler.

Automation

As standard, each boiler is equipped with a basic control panel with STV - protection against overheating. In addition, there is a wide range of weather-compensated control panels depending on the needs of the installation. Each control panel includes a complete set of sensors and wiring.

Lamborghini ECO / LMB burner for fuel oil

Lamborghini ECO / LMB oil burners, thanks to their small size and large working area, are ideal for small boiler rooms with low and medium-pressure boilers.

The design of the burner, the components used, and the technology of even air distribution and flame formation guarantee perfect fuel combustion with low exhaust emissions. Stabilized airflow, external air regulation, and gravity closure of the airlock when turned off ensure comfortable work with the burner and prevent the boiler from cooling down.

Installation and operation during service or inspection are easy thanks to the adjustable, sliding mounting flange.

Model	MEGA PREX/REX 90 + ECO 10	MEGA PREX/REX 120 + ECO 15	MEGA PREX/REX 150 + ECO 20	MEGA PREX/REX 200 + ECO 20	MEGA PREX/REX 300 + ECO 30	MEGA PREX/REX 350 + LMB LO 450
Heating power [kW]	45 - 98	60 - 131	70 - 163	100 - 218	150 - 325	175 - 380
Boiler water capacity [l]	123	123	172	172	300	540
Efficiency [%]	91,84	92,31	92,02	92,59	92,31	92,35
Fuel consumption [l/h]	4,5 - 9,8	6,0 - 13,1	7,0 - 16,3	10,0 - 21,8	15,0 - 32,5	17,5 - 38,0
Power [V/Hz]	230/50	230/50	230/50	230/50	230/50	230/50
Size of the package (WxLxH) [mm]	756x1119x1030	756x1119x1030	806x1364x1080	806x1364x1080	906x1614x1180	906x1864x1180
Net / gross weight [kg]	258	258	346	346	475	542
Model	MEGA PREX/REX 500 + LMB LO 700	MEGA PREX/REX 620 + LMB LO 700	MEGA PREX/REX 750 + LMB LO 1000	MEGA PREX/REX 850 + LMB LO 1300	MEGA PREX/REX 1200 + LMB LO 2000	
Heating power [kW]	250 - 542	310 - 672	375 - 813	425 - 921	600 - 1301	
Boiler water capacity [l]	540	645	855	855	1200	
Efficiency [%]	92,25	92,26	92,25	92,29	92,24	
Fuel consumption [l/h]	25,0 - 54,2	31,0 - 67,2	37,5 - 81,3	42,5 - 92,1	60,0 - 130,1	
Power [V/Hz]	230/50	230/50	230/50	230/50	230/50	
Size of the package (WxLxH) [mm]	1166x1946x1380	1166x2235x1380	1296x2247x1510	1296x2247x1510	1446x2477x1660	
Net / gross weight [kg]	853	963	1205	1205	1843	



PROFESSIONAL AIR TREATMENT SYSTEMS

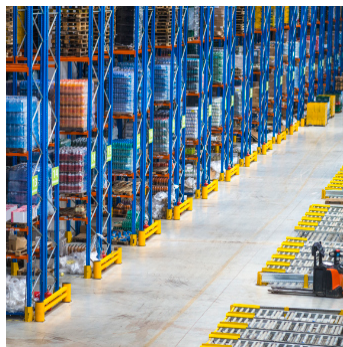
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EXAMPLE PURPOSE:



CAR
WORKSHOPS



WAREHOUSES



PRODUCTION



VEHICLE CHECK
STATIONS



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PROVEN AND RELIABLE SOLUTIONS



Central heating water boilers **MEGA PREX / REX** series with **Lamborghini EM / LMB** series gas burner.

MEGA PREX / REX boilers are steel boilers of high efficiency. They have EU CE approval and are ideal for heating medium-sized buildings. Specially designed to work with fan burners. **MEGA PREX / REX** boilers present solutions to reduce the condensation of acid compounds or prevent their negative effects. It is precisely such solutions that make these boilers work perfectly with burners powered by fuel oil.

The unique form of the combustion chamber and heat exchanger structure guarantees high boiler efficiency and, as a result, operational savings. By reducing the amount of heat lost to the outside, the boiler efficiency can also increase.

The reduction of these losses was achieved through the unique and thorough insulation of the combustion chamber. To reduce the flue gas temperature, optimal dimensions of the heat exchange surface have been designed. Thanks to flue gas swirlers technology, the speed of flue gas outflow into the chimney is optimized.

MAIN FEATURES

Construction

The construction in the horizontal flame tube technology with a reversible combustion chamber, stainless steel swirlers, and double thermal insulation (mineral wool in 100mm ALU foil) ensure high efficiency $\geq 92\%$ fuel savings and low emission of harmful substances in the exhaust gases.

Maintenance

Simple maintenance and cleaning of the boiler interior - free access to the combustion chamber and smoke tubes through the large front door, fully tilted, and the inspection door at the rear of the boiler.

Automation

As standard, each boiler is equipped with a basic control panel with STV - protection against overheating. In addition, there is a wide range of weather-compensated control panels depending on the needs of the installation. Each control panel includes a complete set of sensors and wiring.

Lamborghini EM/LMB G gas burners

Lamborghini EM and LMB G burners are characterized by reliability, durability, and low gas consumption with high efficiency. They are available in the power range from 8kW to 1300kW. Energy consumption and emissions can be reduced to a minimum by installing burners with modern electronic control and regulation.

Model	MEGA PREX/REX 90 + EM12-E.D6	MEGA PREX/REX 120 + EM16-E.D6	MEGA PREX/REX 150 + EM26-E.D6	MEGA PREX/REX 200 + EM26-E.D6	MEGA PREX/REX 300 + LMB G450BL (K1")	MEGA PREX/REX 350 + LMB G450BL (K1")
Heating power [kW]	45 - 98	60 - 131	70 - 163	100 - 218	150 - 325	175 - 380
Boiler water capacity [l]	123	123	172	172	300	540
Efficiency [%]	91,84	92,31	92,02	92,59	92,31	92,35
Fuel consumption [m³/h]	4,8 - 10,45	6,4 - 13,97	7,46 - 17,38	10,6 - 23,25	16,0 - 34,66	18,66 - 40,53
Power [V/Hz]	230/50	230/50	230/50	230/50	230/50	230/50
Size of the package (WxLxH) [mm]	756x1119x1030	756x1119x1030	806x1364x1080	806x1364x1080	906x1614x1180	906x1864x1180
Net / gross weight [kg]	258	258	346	346	475	542
Model	MEGA PREX/REX 500 + LMB G700BL (K1 1/2")	MEGA PREX/REX 620 + LMB G700BL (K1 1/2")	MEGA PREX/REX 750 + LMB G1000BL (K2")	MEGA PREX/REX 850 + LMB G1000BL (K2")	MEGA PREX/REX 1200 + LMB G2000 (K2")	
Heating power [kW]	250 - 542	310 - 672	375 - 813	425 - 921	600 - 1301	
Boiler water capacity [l]	540	645	855	855	1200	
Efficiency [%]	92,25	92,26	92,25	92,29	92,24	
Fuel consumption [m³/h]	26,31 - 57,05	32,63 - 70,74	39,47 - 85,58	44,74 - 96,95	63,16 - 136,95	
Power [V/Hz]	230/50	230/50	230/50	230/50	230/50	
Size of the package (WxLxH) [mm]	1166x1946x1380	1166x2235x1380	1296x2247x1510	1296x2247x1510	1446x2477x1660	
Net / gross weight [kg]	853	963	1205	1205	1843	

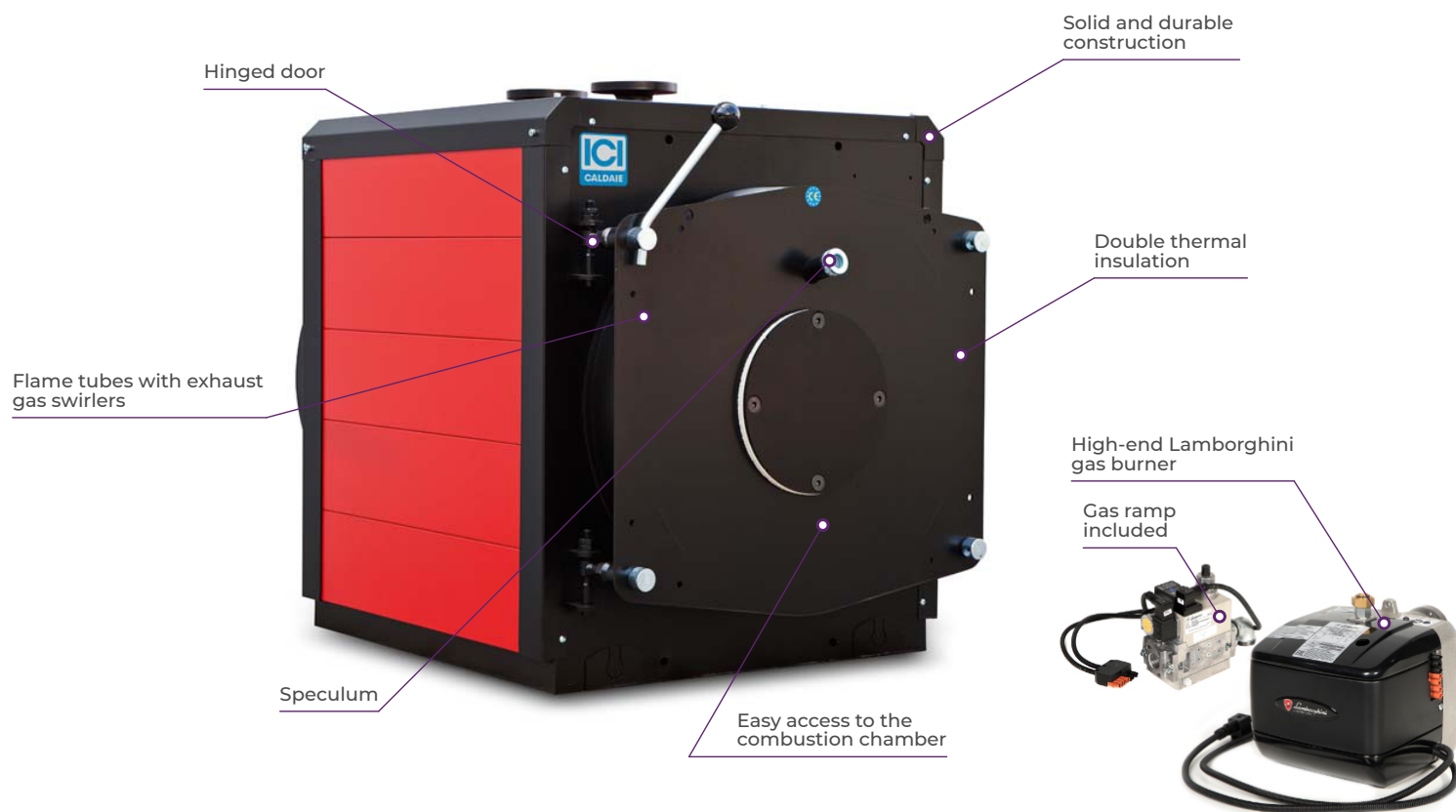
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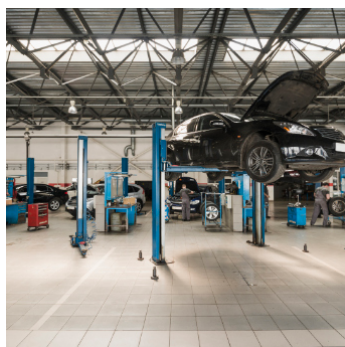
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PROFESSIONAL AIR TREATMENT SYSTEMS

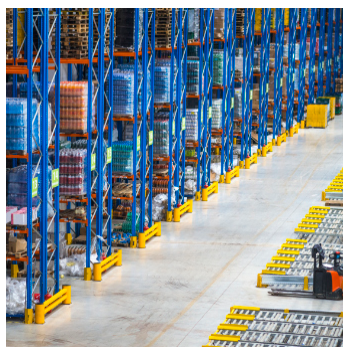
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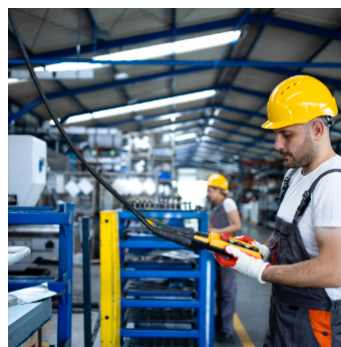
EXAMPLE PURPOSE:



CAR
WORKSHOPS



WAREHOUSES



PRODUCTION



VEHICLE CHECK
STATIONS

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PROVEN AND RELIABLE SOLUTIONS



Central heating water boilers **MEGA PREX / REX** series with a **multi-oil** burner of the **CTB** series

MEGA PREX / REX boilers are steel boilers of high efficiency. They have EU CE approval and are ideal for heating medium-sized buildings. Specially designed to work with fan burners. **MEGA PREX / REX** boilers present solutions to reduce the condensation of acid compounds or prevent their negative effects. It is precisely such solutions that make these boilers work perfectly with burners powered by fuel oil.

The unique form of the combustion chamber and heat exchanger structure guarantees high boiler efficiency and, as a result, operational savings. By reducing the amount of heat lost to the outside, the boiler efficiency can also increase.

The reduction of these losses was achieved through the unique and thorough insulation of the combustion chamber. To reduce the flue gas temperature, optimal dimensions of the heat exchange surface have been designed. Thanks to flue gas swirlers technology, the speed of flue gas outflow into the chimney is optimized.

MAIN FEATURES

Construction

The construction in the horizontal flame tube technology with a reversible combustion chamber, stainless steel swirlers, and double thermal insulation (mineral wool in 100mm ALU foil) ensure high efficiency $\geq 92\%$ fuel savings and low emission of harmful substances in the exhaust gases.

Maintenance

Simple maintenance and cleaning of the boiler interior - free access to the combustion chamber and smoke tubes through the large front door, fully tilted, and the inspection door at the rear of the boiler.

Automation

As standard, each boiler is equipped with a basic control panel with STV - protection against overheating. In addition, there is a wide range of weather-compensated control panels depending on the needs of the installation. Each control panel includes a complete set of sensors and wiring.

CTB multi-oil burner

CTB - is a high-class burner, the reliable and straightforward design of which makes it the best burner suitable for burning vegetable oils (biofuels), used vegetable oils (gastronomy), mineral oils (including used HBO I engine, gear and hydraulic oils, II, III), medium light heating fuels and diesel oils. The burners are available in the power range from 17 to 1200kW.

Model	MEGA PREX/REX 90 + CTB-180	MEGA PREX/REX 120 + CTB-180	MEGA PREX/REX 150 + CTB-180	MEGA PREX/REX 200 + CTB-180	MEGA PREX/REX 300 + CTB-400	MEGA PREX/REX 350 + CTB-400
Heating power [kW]	60 - 90	80 - 125	100 - 150	130 - 218	150 - 325	250 - 380
Boiler water capacity [l]	123	123	172	172	300	540
Efficiency [%]	91,84	92,31	92,02	92,59	92,31	92,35
Fuel consumption [l/h]	6,0 - 9,0	8,0 - 12,5	10,0 - 15,0	13,0 - 21,8	15,0 - 32,5	25,0 - 38,0
Power [V/Hz]	230/50	230/50	230/50	230/50	230/50	230/50
Size of the package (WxLxH) [mm]	756x1119x1030	756x1119x1030	806x1364x1080	806x1364x1080	906x1614x1180	906x1864x1180
Net / gross weight [kg]	258	258	346	346	475	542

Model	MEGA PREX/REX 500 + CTB-400	MEGA PREX/REX 620 + CTB-1000	MEGA PREX/REX 750 + CTB-1000	MEGA PREX/REX 850 + CTB-1000	MEGA PREX/REX 1200 + CTB-1000
Heating power [kW]	150 - 420	400 - 670	550 - 810	700 - 920	250 - 1100
Boiler water capacity [l]	540	645	855	855	1200
Efficiency [%]	92,25	92,26	92,25	92,29	92,24
Fuel consumption [l/h]	15,0 - 42,0	40,0 - 67,0	55,0 - 81,0	70,0 - 92,0	25,0 - 110,0
Power [V/Hz]	230/50	230/50	230/50	230/50	230/50
Size of the package (WxLxH) [mm]	1166x1946x1380	1166x2235x1380	1296x2247x1510	1296x2247x1510	1446x2477x1660
Net / gross weight [kg]	853	963	1205	1205	1843

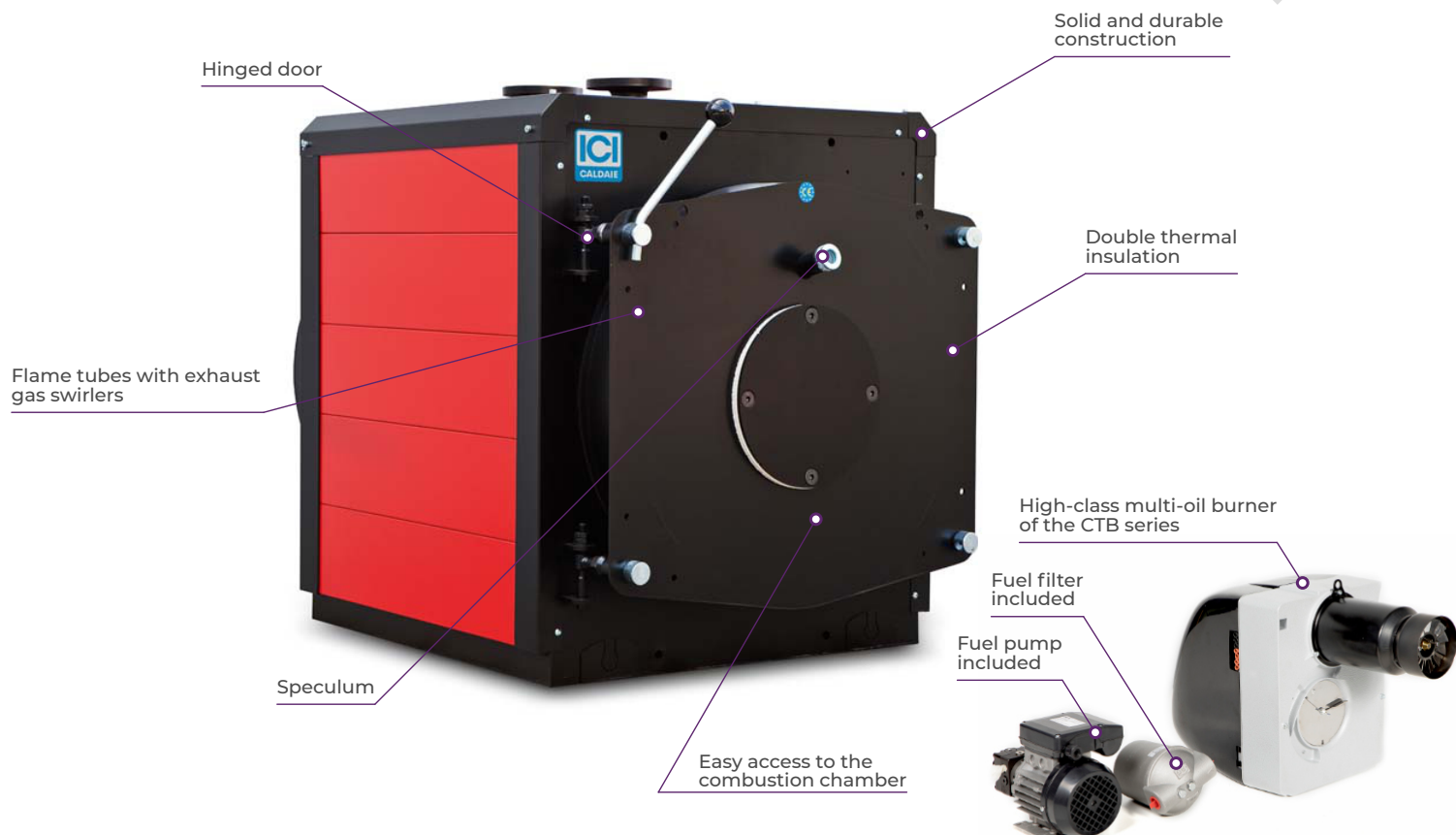
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PROFESSIONAL AIR TREATMENT SYSTEMS

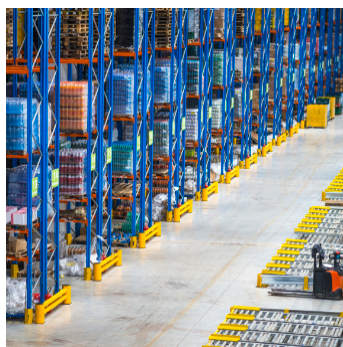
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EXAMPLE PURPOSE:



CAR
WORKSHOPS



WAREHOUSES



PRODUCTION



VEHICLE CHECK
STATIONS

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PROVEN AND RELIABLE SOLUTIONS



Electric PGMTM heating platforms

What is a heating platform, and what is it for?

The station heating platform is an electrical, low-temperature, and energy-saving device. It is a source of heat with high efficiency and low operating costs, thanks to the automatic maintenance of the operating temperature.

Its primary function is to heat people's feet who feel discomfort caused by low surface temperature. It emits a soothing heat, warming the feet of the person standing on it and the entire figure.

The platform has a solid structure and a non-slip, grooved surface. It can be used by people weighing up to 120 kg - e.g., during work - to directly heat the feet and prevent the body from cooling down.

The heating platform is an excellent source of heat, both for people working standing up with various machines and devices, for example, in open-air retail outlets and for office workers working while sitting.

The working environment of the heating platform

The platform can be used indoors and outdoors, in a humid environment, and on a damp surface for a short time. The heating platform has a structure with an IP54 protection degree, resistant to precipitation. The platform must not be operated in water or any other liquid, even when only partially submerged. Soaking the device while it is switched on or turning on a flooded device may result in electric shock.

Advantages of the PGMTM heating platform:

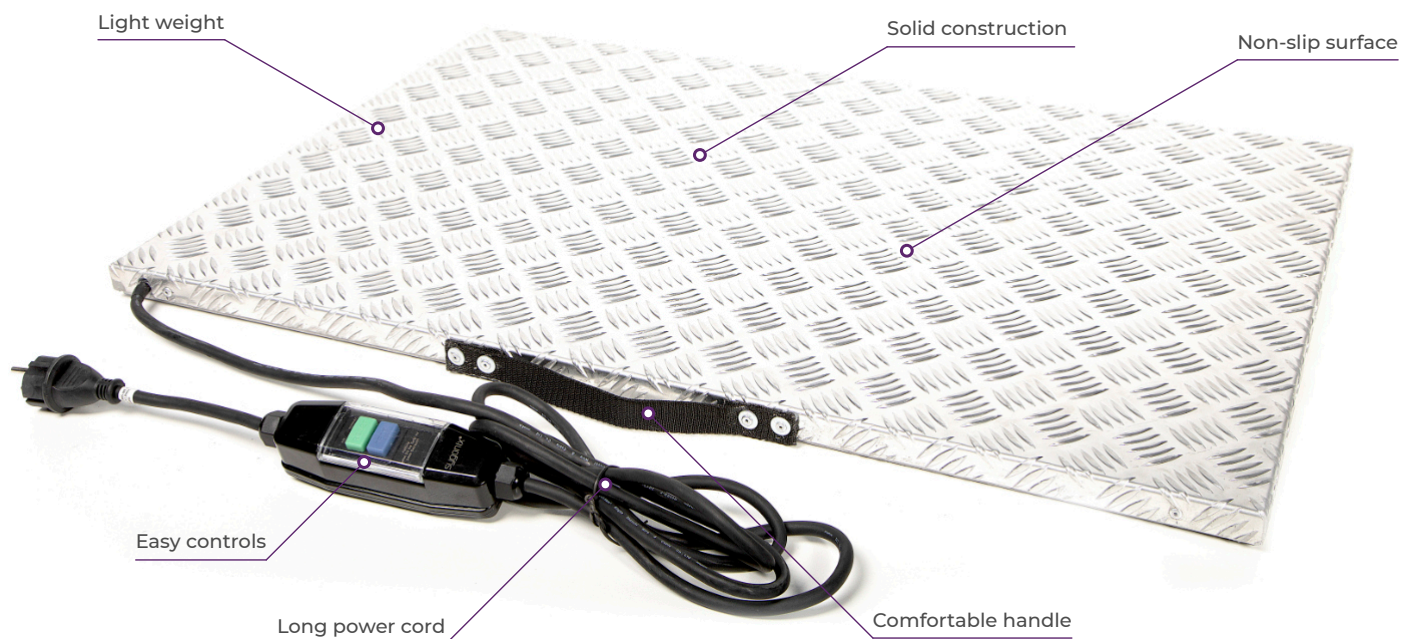
- energy efficiency - heating device only in a place specified by the user, e.g., at the workplace,
- mobility - the platform can be moved to any place inside or outside at any time (it is necessary to ensure a power supply, e.g., from a power generator),
- can be placed on any surface - also temporarily on a damp one,
- can work in a humid environment - IP54 made of corrosion-resistant materials - the top layer is grooved aluminum,
- the platform is 3 centimeters high, which allows for comfortable use by a person sitting, for example, at a desk or table,
- easy control - press one button, and the device starts heating immediately,
- long cable allows for easy placement,
- lightweight makes it easy to carry,
- wide application - the platform can also be used for heating and defrosting any goods, protection against freezing of liquid products, protection against lumping of loose products, drying wet shoes or clothes,
- ready to work immediately after connecting to the power source.

Model	PGMTM 64/48	PGMTM 90/61	PGMTM 119/78
External structure	Top part - corrugated aluminum. Bottom part - galvanized sheet.	Top part - corrugated aluminum. Bottom part - galvanized sheet.	Top part - corrugated aluminum. Bottom part - galvanized sheet.
Independent power on/off switch	Yes, secured with a plastic flap.	Yes, secured with a plastic flap.	Yes, secured with a plastic flap.
Working temperature range	45-60°C +/- 2°C	45-60°C +/- 2°C	45-60°C +/- 2°C
Stabilization of the operating temperature	Yes - bimetallic thermostat	Yes - bimetallic thermostat	Yes - bimetallic thermostat
Operation indication	LED indication	LED indication	LED indication
Permissible maximum load of the platform	120 kg	120 kg	120 kg
Residual current protection	Required (max. 10mA)	Required (max. 10mA)	Required (max. 10mA)
Nominal supply voltage	Alternating current 230 V	Alternating current 230 V	Alternating current 230 V
The degree of protection of the heating platform	IP54	IP54	IP54
Controller protection class	IP55	IP55	IP55
Platform dimensions (LxWxH) [mm]	640x480x30	900x610x30	1190x780x30
Power [W]	ok. 450	ok. 850	ok. 1000
Weight [kg]	9,0	12,0	20,0

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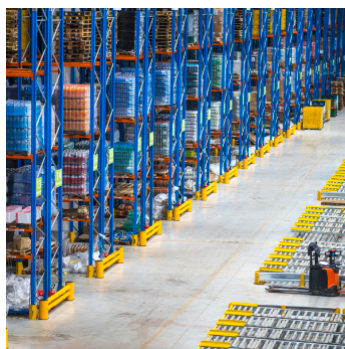
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EXAMPLE PURPOSE:



CAR
WORKSHOPS



WAREHOUSES



PRODUCTION



TRADE FAIR
STAND



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V series mobile industrial fans

Mobile ventilation devices support the operation of drying, heating, and cooling devices.

- It is used in rooms where ventilation should be improved, and air circulation increased. Fans/blowers also support drying out damp rooms.
- It helps to reduce the concentration of unpleasant odors in rooms; therefore, they are recommended for use in production halls, warehouses, workshops, etc.
- Thanks to the possibility of directing the air outlet, the fans are used in theaters, stages, photo sets, and during photo sessions.
- High efficiency and directing of the airflow also allow fans to cool the engines in the dynamometer of car workshops.

These devices are very often used in piggeries, livestock housing, cowsheds, and poultry farms. They provide excellent air exchange and temperature regulation, which is extremely important in agricultural production when many animals are on a given plot. In cowsheds, appropriate temperature regulation of cows increases milk production, while on hen farms, it directly affects the carrying capacity of hens.

V-line fans are also handy in warehouses of vegetables, all kinds of cereals, and even tobacco, where the constant airflow guarantees appropriate storage conditions and maintains the product parameters.



V 12

V 20

V 24

Model	V 12	V 20	V 24
Airflow [m ³ /h]	3 900	7 200	8 400
Energy consumption [W]	500	140	250/330
Fan rotational speed [revolutions [obr./min.]	2 800	1 400	960/1 120
Power frequency [V/Hz]	230/50	230/50	230/50
Fan blade diameter [mm]	300	490	600
Level of security	IP 54	IP 44	IP 54
Noise level [dB]	69	58 - 68	60
Weight [kg]	16	10,5	23

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Lamborghini oil burners ECO / LMB series

Thanks to their small size and large working area, **Lamborghini ECO** and **LMB** oil burners are used in central heating boilers, air heaters, and spray booths.

The design of the burner, the use of components, and the technology of even air distribution and flame formation guarantee perfect combustion with low exhaust emissions. Stabilized airflow, external air regulation, and gravity closure of the airlock ensure comfortable work with the burner when turned off.



Lamborghini
CALORECLIMA



Model	ECO 3	ECO 3R	ECO 5N	ECO 8	ECO 10	ECO 15
Power [kW]	16,6 - 36,6	14,2 - 35,6	29,6 - 59,3	36 - 101	59,3 - 124,5	83 - 176
Maximum fuel consumption [l/h]	1,66 - 3,66	1,42 - 3,56	2,96 - 5,93	3,6 - 10,1	5,96 - 12,45	8,3 - 17,6
Electric power supply to the engine [W]	100	100	100	100	150	150
Heater [W]	-	110	-	-	-	-
Electric supply [V/Hz]	230-240/50-60	230-240/50-60	230-240/50-60	230-240/50-60	230-240/50-60	230-240/50-60
Dimensions (LxWxH) [mm]	320x250x215	320x250x215	342x280x247	465x230x285	483x230x285	550x275x340
Weight [kg]	10,5	10,7	11,3	13	13	15

Model	ECO 20	ECO 22	ECO 30	LMB 700/2	LMB 1000/2	LMB 1300/2	LMB 2000/2
Power [kW]	128 - 249	136,4 - 260,9	190 - 356	135 - 704	192 - 950	201 - 1370	712 - 1976
Maximum fuel consumption [l/h]	12,8 - 24,9	13,64 - 26,09	19,0 - 35,6	13,5 - 70,4	19,2 - 95,0	20,1 - 137,0	71,2 - 197,6
Electric power supply to the engine [W]	200	250	370	750	1100	2200	3000
Heater [W]	-	-	-	-	-	-	-
Electric supply [V/Hz]	230-240/50-60	230-240/50-60	230-240/50-60	400/50	400/50	400/50	400/50
Dimensions (LxWxH) [mm]	535x275x340	576x360x356	770x420x423	540x560x370	540x560x370	620x650x440	620x650x440
Weight [kg]	15	20	26,5	32	32,5	40	41

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Lamborghini EM series gas burners

Thanks to their small size and large working area, **Lamborghini EM** series single-stage oil burners are used in central heating boilers, air heaters, and spray booths.

Lamborghini EM series burners are characterized by reliability, durability, and low gas consumption with high efficiency. They are available in the power range from 12kW to 320kW. Energy consumption and emissions can be reduced to a minimum by installing burners with modern electronic control and regulation.



Model	EM 3	EM 6	EM 9	EM 12	EM 16	EM 18	EM 26	EM 35
Power [kW]	12 - 38	27 - 67	43 - 90	50 - 120	80 - 160	99 - 169	129 - 245	188 - 320
Maximum fuel consumption [m ³ /h]	1,28 - 4,05	2,88 - 7,14	4,58 - 9,6	5,3 - 12,8	8,53 - 17,06	10,56 - 18,02	13,76 - 26,13	20,05 - 34,13
Electric power supply to the engine [W]	100	100	100	100	110	185	220	370
Connection diameter [cal]	½	¾	¾	1	¾	1	1¼	1¼
Electric supply [V/Hz]	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50
Dimensions (LxWxH) [mm]	320x215x250	342x280x247	417x280x247	483x230x285	480x310x282	550x275x340	750x360x350	880x420x423

WE RESERVE THE RIGHT TO CHANGE THE APPEARANCE OF DEVICES AND TECHNICAL DATA



CTB series multi-oil burners

CTB - are high-class burners whose reliable and straightforward design makes them the best burners for the combustion of vegetable oils (biofuels), used vegetable oils (gastronomy), mineral oils (including used HBO I engine, gear, and hydraulic oils, II, III), medium and light heating fuels and diesel oils. The burners are available in the power range from 17 to 1200kW.

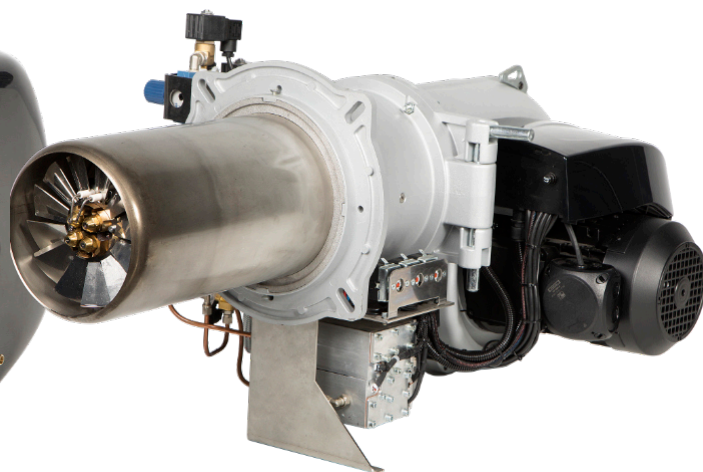
Our company has been a producer of the highest-class burners and multi-oil furnaces since 1997. For years, our devices have been highly appreciated by individual users and large companies from the automotive industry. By purchasing a proven product from our company, you can be sure that the device is thoroughly tested and constructed on components from leading companies in the field of HVAC devices.



CTB 65



**CTB 80
CTB 180
CTB 400**



CTB 1000

Model	CTB 65	CTB 80	CTB 180	CTB 400	CTB 1000
Power [kW]	17 - 65	40 - 80	80 - 220	200 - 430	192 - 1 200
Maximum fuel consumption [l/h]	1,45 - 5,56	3,41 - 6,84	6,84 - 18,8	17 - 36,7	16,41 - 102,56
Power [V/Hz]			230/50		400/50
Min. Compressor requirements			63 l/min - 2,5 atm		252 l/min.
Dimensions (WxLxH) [mm]	350x476x405	275x555x345		420x800x425	670x630x480
Weight[kg]	14,7	17		34,8	60

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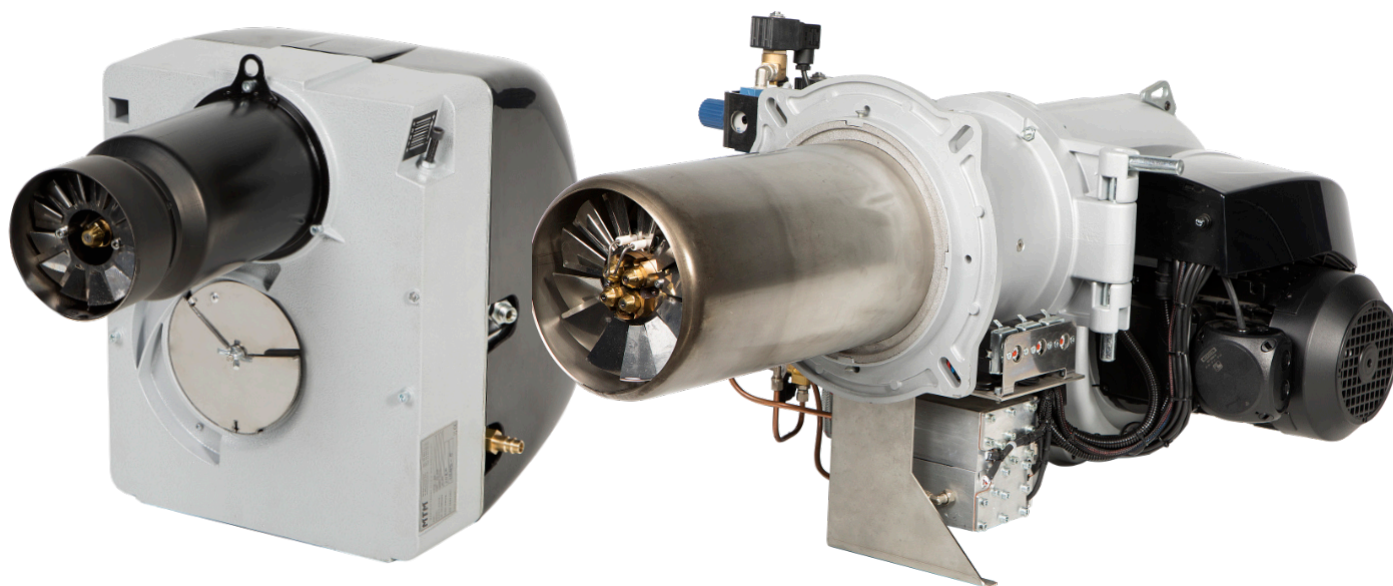




CTB KTS multi-oil burners for KTS-F and pyrolysis fuels

KTS-F (Plastics Component - Fractions) is one of the products leftovers from recycled rubber and plastic waste. It is the so-called "green" fuel with a high calorific value - 46,000 kJ / kg according to the PN-86 / c-04062 standard.

Because it is practically free of sulfur (0.1%), the fuel is considered environmentally friendly. To burn these fuels and obtain energy from them, a standard central heating boiler with a KTS burner or an air heater with a heated fuel system, a tank, and a KTS burner is enough.



CTB KTS

For combustion, you can use vegetable oils (biofuels), used vegetable oils (gastronomy), mineral oils (including engine, gear, hydraulic oils of HBO I, II, III type), medium-light heating oil, diesel oil, KTS-F, mazout, and pyrolysis oils. The burners are available in the power range from **80 to 1200 kW**.

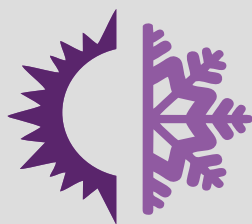
Model	CTB 180	CTB 400	CTB 1000
Power [kW]	80 - 290	250 - 450	192 - 1 200
Maximum fuel consumption [l/h]	6,29 - 22,71	19,57 - 35,24	15,03 - 93,97
Power [V/Hz]	230/50		400/50
Min. Compressor requirements	63 l/min.-2,5atm.		252 l/min.
Dimensions (WxLxH) [mm]	275x555x345	420x800x425	670x630x480
Weight [kg]	17	34,8	60

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NOTES





MTM®

HEATING - AIR CONDITIONING - VENTILATION

Ul. ks. J. Poniatowskiego 11
05-230 Kobyłka

☎ +48 22 353 11 11
☎ +48 22 353 22 22

✉ biuro@firmamtm.pl
🌐 www.firmamtm.pl