

Vacuumax



**Self Priming, Diesel Engine Flood Water
and Wastewater Drainage Pump**





MASDAF

Founded in 1977 with the principle of efficient use of water and energy and thus protecting living resources, Masdaf, established with 100% domestic capital, produces energy efficient, environmentally friendly and innovative "**fluid technologies**".

Masdaf, the leading brand of the pump industry, manufactures end suction pumps, inline pumps, axial separable pumps, booster pumps, expansion tanks, fire pumps, multi-stage pumps, process pumps, submersible pumps, column pumps, self-priming pumps and gear pumps in Düzce facilities established on an area of 40.000 m².

Masdaf manufactures centrifugal pumps for use in industrial processes, irrigation, heating and cooling systems, ship building/industry, wastewater transfer, fire extinguishing processes, petro-chemical industry, agricultural irrigation, etc.

Adopting a customer-oriented approach to meet the expectations of its customers at the highest level, Masdaf prioritizes customer satisfaction in all processes from R&D to production of pump technologies and manufactures its products in accordance with the needs of the project.

Masdaf, with its wide dealer and service network throughout Türkiye, has adopted the mission of providing the best service in the field of **pump technologies** in the shortest time possible.

By exporting its highly efficient pump systems developed in accordance with ERP directives to 106 countries, it aims to be sustainable with its distributor and service network established in these countries.

Masdaf holds ISO9001:2015 Quality Management System, ISO14001:2015 Environmental Management System and ISO45001:2018 Occupational Health and Safety Management System quality certificates as well as UL, FM, NFPA 20, TSE, CE, ATEX, GOST, UKR Sepro certificates.

Self Priming, Diesel Engine Flood Water and Wastewater Drainage Pump

Masdaf mobile centrifugal pump systems offer a combination of high performance and portability, ensuring maximum efficiency in all field conditions. Equipped with self-priming capability, these systems quickly initiate the transfer of water and liquid while continuing to operate without pause.



*Experience speed and safety
together in your projects
with Vacuumax!*



Fields of Application



Construction and Building Applications

- Water drainage and transfer at construction sites
- Site drainage operations

Mining Applications

- Water drainage and transfer at mine sites
- Site drainage operations



Industrial Applications

- Industrial wastewater treatment and management
- Drainage operations
- Emergency response in case of flooding
- Non-continuous fire extinguishing operations

Urban Planning Practices

- Drainage operations
- Emergency response in case of flooding
- Sewer lines By-Pass operations



Agricultural Practices

- Agricultural irrigation systems

Features

Cabinet Design

- The robust cabin, which provides protection against external factors, ensures uninterrupted operation even in harsh weather and climate conditions.

Self-Priming Technology

- It enables quick suction from the water level without the need for any additional equipment.

Durable and Reliable

- Manufactured with high quality material to cope with difficult liquids and wastewaters containing solid particles, activated sludge.

Easy Service and Maintenance

- Low service and maintenance costs even under harsh operating conditions.





High Performance Motor

- Optimized for long-term operations, it provides maximum efficiency with low fuel consumption.

High Technology Control Unit

- It provides measurement and traceability of a large number of parameters with its advanced control unit with LCD display.

Easy Installation and Operation

- Fast commissioning, user-friendly connectors and design make it quick to use with minimal training.

Trailer Structure

- Thanks to its easy portability, it is suitable for use in different areas. With its robust structure integrated into the trailer system, it provides safe transportation even in long road conditions.

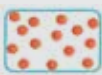
System Notation



Maximum Flow Rate
Up to 1800 m³/h

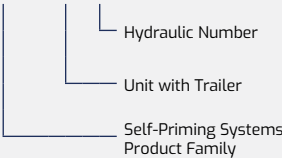


Head up to
40m

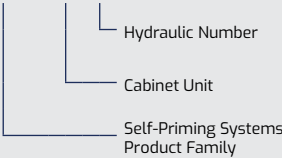


Particle Permeability
up to 100mm

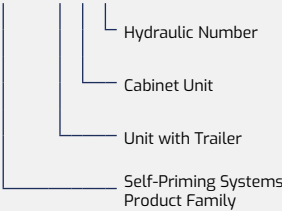
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Vacuamax T C 10 / 20 / 30 / 40 / 50



Technical Information

	Vacuamax 10	Vacuamax 20	Vacuamax 30	Vacuamax 40	Vacuamax 50
Max. Flow rate (m ³ /h)	120	180	350	800	1800
Max. Head [m]	40	40	35	30	40
Suction connection	3" (inch)	4" (inch)	6" (inch)	DN200	DN300
Head Connection	3" (inch)	4" (inch)	6" (inch)	DN200	DN300
Particle Permeability [mm]	63	76	76	76	100
Drive Type	Diesel Motor	Diesel Motor	Diesel Motor	Diesel Motor	Diesel Motor
Rotation Speed (rpm)	2200	2000	1600	1600	1500
Max. Power [kW]	20	23	30	45	160
Cooling Type	Radiator Water Cooled	Radiator Water Cooled	Radiator Water Cooled	Radiator Water Cooled	Radiator Water Cooled

Product Features

- Diesel motor driven self-priming sewage pump
- Ability to perform automatic suction
- Resistance to clogging thanks to special impeller design and ability to discharge different types of wastewater
- Fixed, mobile and trailer mounting options
- Vibration-free operation thanks to special design
- Possibility of mobile use with traffic-compatible trailer on request
- Emergency response unit in flood, flood water and drainage operations

Vacuimax TC10



- *On request, structure with trailer in accordance with highway traffic regulations*
- *Possibility of mobile use*

Vacuimax C10



- *Standard designed cabinet construction*
- *Noise and sound insulation*
- *Protection against harsh environmental and climatic conditions*

Vacuimax T10

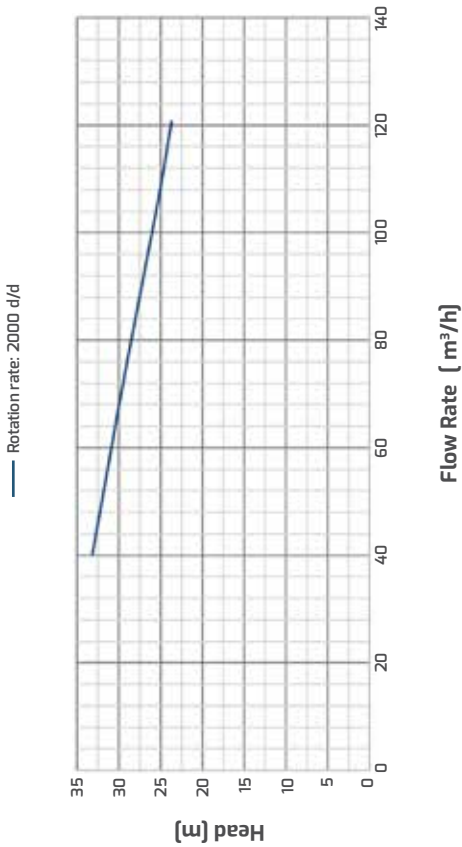


- *Ease of movement and maneuverability with single axle structure*

Technical Specifications

Max. Flow Rate	: 120 m ³ /h
Max. Head	: 40 m
Suction Connection	: 3" (inch)
Head Connection	: 3" (inch)
Particle Permeability	: 63 mm
Drive Type	: Diesel
Rotation Speed	: 2200 rpm
Max. Power	: 20 kW
Cooling Type	: Radiator Water Cooled

Vacuamax 10



Vacuimax TC20



- *On request, structure with trailer in accordance with highway traffic regulations*
- *Possibility of mobile use*

Vacuimax C20



- *Standard designed cabinet construction*
- *Noise and sound insulation*
- *Protection against harsh environmental and climatic conditions*

Vacuimax T20

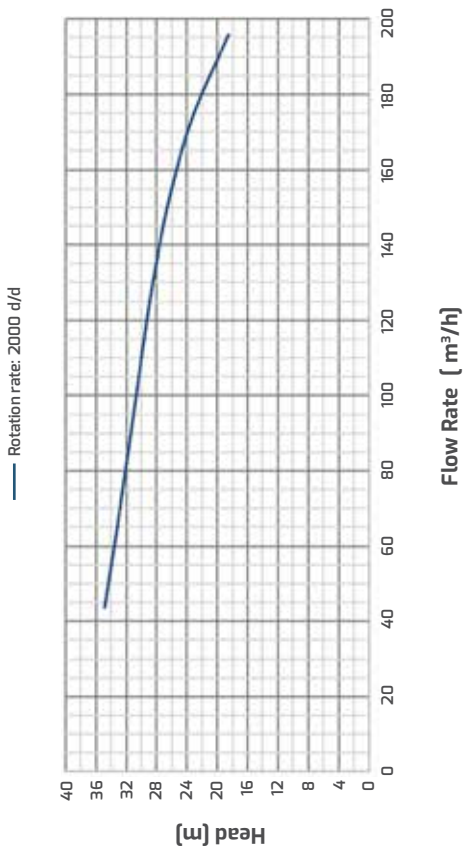


- *Ease of movement and maneuverability with single axle structure*

Technical Specifications

Max. Flow Rate	: 180 m ³ /h
Max. Head	: 40 m
Suction Connection	: 4" (inch)
Head Connection	: 4" (inch)
Particle Permeability	: 76 mm
Drive Type	: Diesel
Rotation Speed	: 2000 rpm
Max. Power	: 23 kW
Cooling Type	: Radiator Water Cooled

Vacuamax 20



Vacuimax TC30



- *On request, structure with trailer in accordance with highway traffic regulations*
- *Possibility of mobile use*

Vacuimax C30



- *Standard designed cabinet construction*
- *Noise and sound insulation*
- *Protection against harsh environmental and climatic conditions*

Vacuimax T30

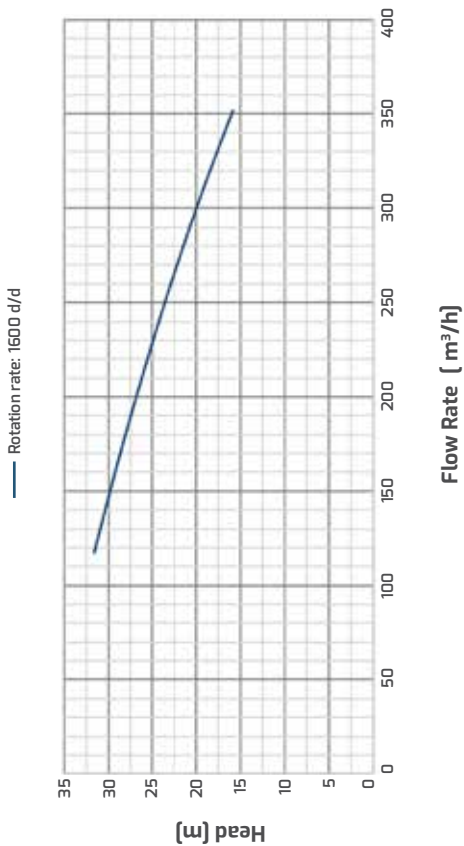


- *Ease of movement and maneuverability with single axle structure*

Technical Specifications

Max. Flow Rate	: 350 m ³ /h
Max. Head	: 35 m
Suction Connection	: 6" (inch)
Head Connection	: 6" (inch)
Particle Permeability	: 76 mm
Drive Type	: Diesel
Rotation Speed	: 1600 rpm
Max. Power	: 30 kW
Cooling Type	: Radiator Water Cooled

Vacuumax 30



Vacuimax TC40



- *On request, structure with trailer in accordance with highway traffic regulations*
- *Possibility of mobile use*

Vacuimax C40



- *Standard designed cabinet construction*
- *Noise and sound insulation*
- *Protection against harsh environmental and climatic conditions*

Vacuimax T40

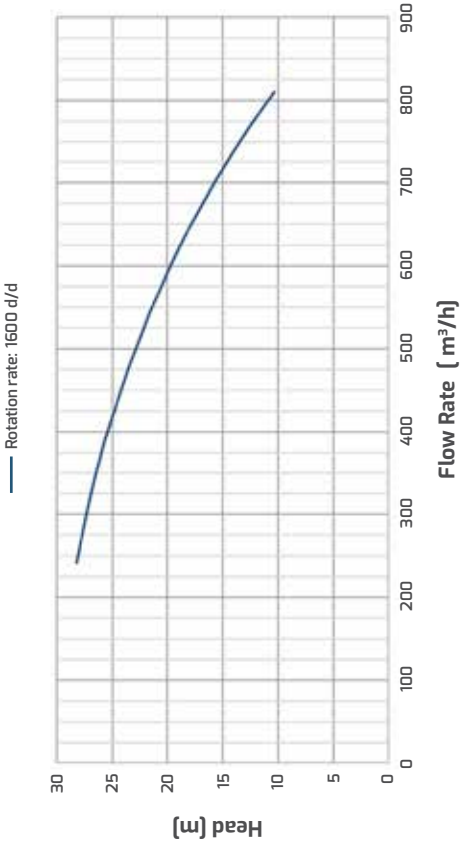


- *Ease of movement and maneuverability with single axle structure*

Technical Specifications

Max. Flow Rate	: 800 m ³ /h
Max. Head	: 30 m
Suction Connection	: DN200
Head Connection	: DN200
Particle Permeability	: 76 mm
Drive Type	: Diesel
Rotation Speed	: 1600 rpm
Max. Power	: 45 kW
Cooling Type	: Radiator Water Cooled

Vacuamax 40



Vacuimax TC50



- *On request, structure with trailer in accordance with highway traffic regulations*
- *Possibility of mobile use*

Vacuimax C50



- *Standard designed cabinet construction*
- *Noise and sound insulation*
- *Protection against harsh environmental and climatic conditions*

Vacuimax T50

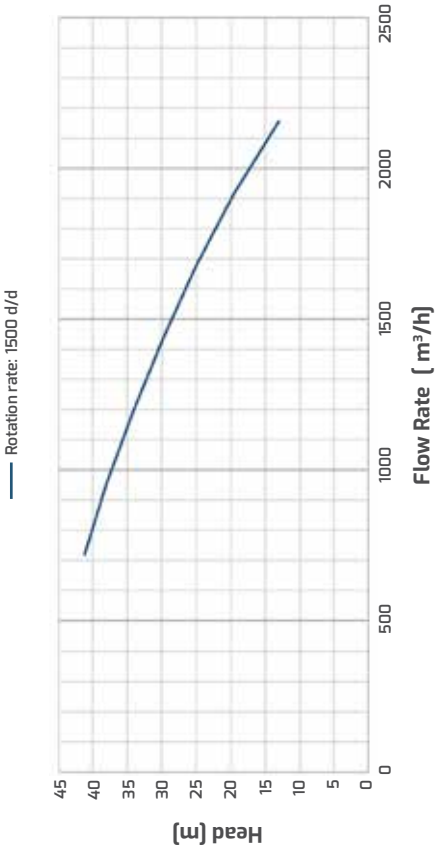


- *Ease of movement and maneuverability with single axle structure*

Technical Specifications

Max. Flow Rate	: 1800 m ³ /h
Max. Head	: 40 m
Suction Connection	: DN300
Head Connection	: DN300
Particle Permeability	: 63 mm
Drive Type	: Diesel
Rotation Speed	: 1500 rpm
Max. Power	: 160 kW
Cooling Type	: Radiator Water Cooled

Vacuamax 50



Accessory Kit

Male and Female Quick Coupling Connection Set



Rubber Hose with Spiral Wire



Strainer



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The World
Better!***

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