



Pump sets

TEDOM

Pump sets

Pump Sets are made up of a reciprocating engine and a pump. The advantage of this set is that it can operate without consuming electrical energy. Pump sets are designed for pumping liquids (especially water) in places where:

- electricity is unavailable – in agriculture, irrigation, fish farming, water works, work in flooded areas to pump away water, and so on.
- it is necessary to pump even during an electricity outage - emergency pumps in department stores, banks, industrial premises, healthcare equipment
 - drinking water pumps in hospitals, living accommodation, civil defence buildings during military or terrorist threats.

Pump Sets are equipped with control according to the chosen usage and the required level of comfort from manually established operating parameters through to automatic start-up and output regulation for variable operations.

The unit is a compact whole made up of an engine and a propelling machine on a steel-frame base. It is equipped with the necessary accessories for the functioning of the engine and the pump and a fuel tank with a capacity of 200 - 500 l of engine diesel (standard). At the customer's request the unit can be built on an outboard chassis for transport along public highways.

The pump sets (assigned engine and propelling machine according to operational characteristics) range from 63kW to 250kW during operating revolutions of 1200 - 1800 per minute. Other revolution ranges can be chosen with an integrated gearbox.



Type	Engine revolutions	Nominal flow		Nominal pressure level	Efficiency
	ot.min ⁻¹	m ³ .h ⁻¹	l.sec ⁻¹	m	%
TPS 500	1750	500	138,9	77,0	82,5
TPS 700	1750	700	194,4	106,0	81,5
TPS 900	1750	900	250,0	74,0	82,5
TPS 1250	1750	1250	347,2	51,7	82,7
TPS 1600	1750	1600	444,4	52,0	81,0

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