

TECHNICAL DESCRIPTION CSPC 5680E

SUBJECT:

Ravasini cesspit emptier tank capacity 9.000 l on Iveco chassis AD190T38H wheelbase 4200.



TANK:

- circular section, constructed in steel sheet, thickness 5 mm, capacity 9.000 l approx.
- internal ant sloshing baffles, external reinforcement rings
- n.1 overflow valve and floater placed internally to the tank
- n.4 eye level, hob lot type, placed on the rear end
- rear tailgate, hydraulically openable by means of hydraulic pistons, complete with safety locks
- n.1 rear gate valve 4" for loading with ball coupling and plug DN 100
- n.1 rear gate valve 4" for unloading with ball coupling and plug DN 100

SUPPORTING STRUCTURE:

Re-enforced counter frame tilted towards the rear end elastically bolted onto the chassis of the vehicle

Hydraulic telescopic piston for tank tilting with safety lock

POWER TRANSMISSION with hydraulic system (by means of PTO)

- Pto on the gear box
- hydraulic pump
- hydraulic engine with vacuum pump
- suitable oil reservoir with heat exchanger
- piping, valves and whatever else necessary for the correct functioning of the system

VACUUM SYSTEM:

Vacuum pump installed between the cab and the tank, capacity 10.000 l/min (600 m³/h) prearranged with flange for connection to hydraulic engine Max vacuum: 95% (at the suction manifold)

Max working pressure: 0,8 bar (at the delivery manifold)

Air cooled

non return valve

Automatic lubrication with incorporated oil tank

Silencing filter with washable steel cartridge, and with oil recovery

Inverter vacuum/compression by means of air piston

Safety valve pressure/vacuum

rigid and flexible piping DN 100 for connection to the tank

DECANTER:

n.1 decanter complete with floater and pilot light level indicator placed between vacuum pump and floater inside the tank to avoid that liquid or other material enter into the vacuum pump.

SIDE HOSE CARRIERS:

steel side hose carriers, open, with structure and steel profiles. the bottom is in galvanized steel with holes for water drainage

the carriers are prearranged with elastic belts for fixing the pipes during transportation

CONTROLS AND INSTRUMENTS:

Control panel placed on the rear side, including:

- vacuum /pressure gauge
- control switches for pump
- vacuum/pressure tap control
- loading and unloading gate valves control
- power feed pilot light for control panel with switch inside the cab

ACCESSORIES:

- n.1 galvanized rigid pipe 2 m long for suction with ball couplings DN100
- n.1 curve 45° DN100 with hoblot for liquid passage control, and ball couplings DN100
- n.6 wrinkle rubber hoses with internal steel plate, complete with ball couplings DN 100

PAINTING:

Painting and first coat of the tank and the metallic structure in anticorrosive paint. The tank is painted internally with plasticized bituminous enamel and externally with paint in the colour requested.

The data refers to environmental conditions of 20°C and pressure of 1 bar. The tests have been carried out with liquid having absolute weight of 1kg/dm³.