

# AVIATION REFUELLER 20.000 ltr.

**MAN TGS 33.360 6x4 OVERALL DIMENSIONS: 9.800x2.550x3.500H approx.**

## CHASSIS DETAILS

- Chassis MAN TGS 33.360 6x4
- 360 HP.
- Euro 3.
- ADR.
- Wheel base: 4.500 mm.
- Manual gearbox
- Mechanical suspension.
- GVW – 33.000 Kg.
- Tires: 315/80R22.5.
- 24 V – PTO NH4C.
- Exhaust directed to the center.

## REFUELLING SYSTEM DETAILS

OPERATIONS		TANK	
<ul style="list-style-type: none"> <li>• Underwing pressure refueling.</li> <li>• Overwing gravity refueling.</li> <li>• Loading of tank.</li> <li>• Self-loading of the tank.</li> <li>• Defueling (UW).</li> <li>• Recirculation.</li> <li>• Draining the tank.</li> <li>• Tests.</li> </ul>	<ul style="list-style-type: none"> <li>• Rigid tank of 20.000 l gross volume. (excluding deadstock/excluding ullage).</li> <li>• Total volume of 20.700 l. approx.</li> <li>• Min. 3% ullage.</li> <li>• Aluminum.</li> <li>• Biconical shape with elastic connection to the subframe.</li> <li>• Baffles (2) with DN500 access hole, made of the same aluminum.</li> </ul>	<ul style="list-style-type: none"> <li>• Water sump in the lowest point of the biconical joint.</li> <li>• Pressure test, 0,4 bar. Working pressure, 0,2 bar.</li> <li>• Piping made of aluminum alloy. All flanged connections.</li> <li>• Rear stainless steel ladder.</li> <li>• Aluminum anti slip catwalk on top of the tank and safety handrail.</li> </ul>	
PUMPING, METERING AND FILTERING		PRESSURE CONTROL	
<ul style="list-style-type: none"> <li>• Flow rate up to 1.200 lpm.</li> <li>• Alfons Haar FPOJ 80-900.</li> <li>• Hydraulically driven.</li> <li>• FAUDI FW24-12</li> <li>• Gammon GTP-534-30.</li> <li>• Meter: Satam ZC17 80 - VR7887</li> </ul>	<ul style="list-style-type: none"> <li>• Alfons Haar AOA80 AV 3" + Deadman control.</li> <li>• Carter 44646 type.</li> </ul>	<ul style="list-style-type: none"> <li>• 1 Spoked type 1,5"- 20m Reel hose type C.</li> <li>• 1 Spoked type 2"- 20m Reel hose type F.</li> <li>• Hydraulically driven.</li> <li>• Nozzles:                             <ul style="list-style-type: none"> <li>○ Underwiring nozzle Carter 64200</li> <li>○ Overwing nozzle Elaflex ZVF 50.</li> </ul> </li> </ul>	
CONTROL PANEL			
<ul style="list-style-type: none"> <li>• Control pressure gauges with test ports.</li> <li>• Selection panel with pneumatic control and indications.</li> <li>• Engine speed selector.</li> </ul>	<ul style="list-style-type: none"> <li>• Differential pressure gauge.</li> <li>• Pneumatic regulator for pump.</li> <li>• Pneumatic filter.</li> <li>• Flow indicator.</li> </ul>	<ul style="list-style-type: none"> <li>• Lighting elements.</li> <li>• Reels command.</li> <li>• Steel housing, opens upward under gas tension.</li> </ul>	
MISCELLANEOUS			
<ul style="list-style-type: none"> <li>• Brackets / stowings for reel hose nozzle and overwing fuelling device guiding rollers for proper hose operation.</li> <li>• All swivels and reel hubs without oil plugs / lubricating nipples (non-lubricating type).</li> </ul>	<ul style="list-style-type: none"> <li>• Plate with flow diagram in English language and JET A-1, flammable and no smoking logo.</li> <li>• 1 Cable reel, manual rewind, with 20 m grounding / bonding cable (steel, PVC coated) and brass crocodile clip.</li> <li>• 1 Earthing / grounding strip, fitted to truck's chassis frame.</li> </ul>	<ul style="list-style-type: none"> <li>• Earthing / grounding lugs at tank water sump, bottom loading connections and drain-sample point of filter / water separator.</li> <li>• Interlock system with light indication in cabin.</li> <li>• 2 Fire extinguishers, 9Kg each, dry-powder (ABC) on both sides of the chassis.</li> <li>• 1 Fire extinguisher, 2Kg ABC (inside driver's cabin)</li> </ul>	