# J-CART-10BO-DME



## General description:

Aircraft/cockpit Oxygen service cart, allowing to supply 127 bar/1850 psi for the refilling of standard Aviator's Breathing Oxygen cylinders including high-capacity air/nitrogen-driven booster pump.

## Chassis:

- Sturdy trailer in welded steel-frame design, frame hot-dip galvanized
- Front and rear axle spring-suspended
- Towing bar with tow-eye diam. 2"/50mm, including stop-brake in raised/locked position
- Four air-inflated tires, diam. 18"/460mm with steel rim
- Grounding cable on spring retracted reel, 25m
- 6kg ABC Powder Fire-Extinguisher incl. box

## Cylinder storage:

- Storage rack for safe storage/transportation of up to qty. 10 pressure cylinders as per GOST 949-73
  V = 40 Liters, p = 147 bar with a total of 58.800 Liters nitrogen capacity (normalized condition at 1 bar)
- Hard-cover canopy for protecting pressure cylinders against the elements, including access doors for loading/unloading of cylinders
- Finish: monochromatic white paint (RAL 9003)

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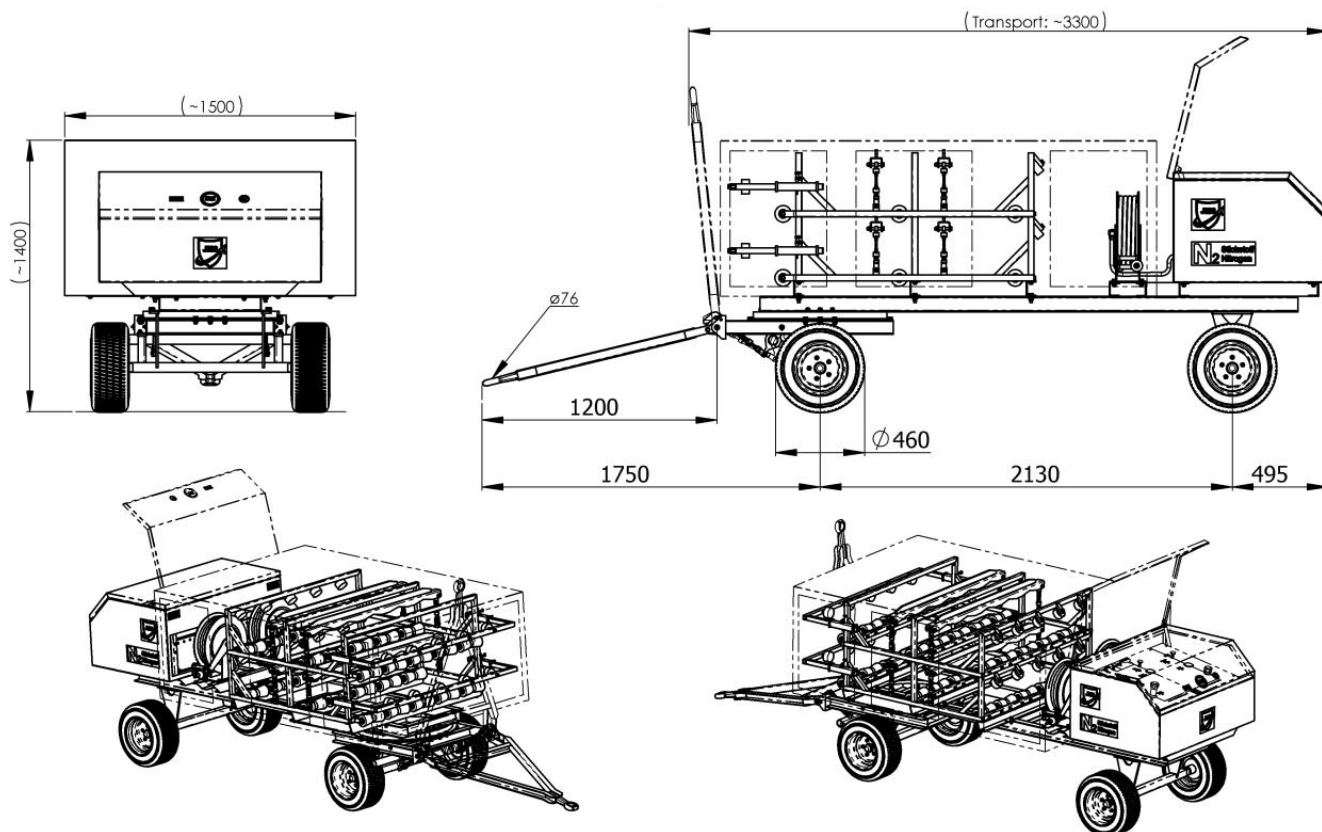Fax +49 (7821) 9 94 69 – 100

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**Manifold system O2:**
- 8 off connection hoses for oxygen pressure cylinders
- 8 off cylinder adapters G3/4"
- Inline O2 filter
- Manifold/supply pressure gauge, NG63, 250 bar, accuracy class 1,0
- Three-way-valve for periodic calibration
- External filling connection with stop valve and oxygen filling hose (stainless steel braided), 5m
- Safety valve set at 165 bar for protecting pressure cylinders during external filling
- Hard-cover/housing for complete O2 system, incl. top lid (gas-spring supported)
- Finish: monochromatic white paint (RAL 9003)

**Manifold system N2:**
- 2 off connection hoses for nitrogen pressure cylinders
- 2 off cylinder adapters G3/4"
- Inline N2 filter
- Manifold/supply pressure gauge, NG63, 250 bar, accuracy class 1,0
- Three-way-valve for periodic calibration
- External filling connection with stop valve and nitrogen filling hose, 5m
- Safety valve set at 165 bar for protecting pressure cylinders during external filling

**Delivery system O2:**
- Pressure regulator 1,7 - 250 bar
- Compressor pressure gauge, NG100, 250 bar, accuracy class 1,0
- Delivery pressure gauge, NG100, 250 bar, accuracy class 1,0
- Automatic pressure switch for stopping compressor at delivery pressure set at 130 bar
- Safety valve set at 140 bar
- Stop valve
- Oxygen supply hose (stainless steel braided), 10m3
- Venting valve

**Compressor system O2:**
- High-volume air/nitrogen-driven gas booster for oxygen (displacement volume 60cm³)
- Air supply unit for external compressed air including pressure regulator, pressure gauge, stop valve
- Nitrogen supply unit for use of internal nitrogen including pressure regulator, pressure and stop valve
- Internal filling function, allowing the use of air/nitrogen-driven gas booster for re-filling of on-board oxygen pressure cylinders

**Documentation:**
- Operation and maintenance manual in ENGLISH and RUSSIAN language, including illustrated spare parts list
- O2 system test certificate
- Calibration certificates for pressure gauges

**Shipping dimensions:**

| Approx. Weight | Approx. shipping Dim. l x w x h | Approx. Volume |
|---|---|---|
| [kg] | [mm] | [m³] |
| **750** | **3400 x 1450 x 1680** | **8,3** |
| [lbs] | [inch] | [ft³] |
| **1655** | **134 x 57 x 66** | **293** |