

TECHNICAL DESCRIPTION

SUBJECT: Box structure greasing and lubrication unit with engine driven welding machine, screw type compressor, paralleliped tanks for 10 types of oils, cooler service, exhaust oil service, grease service and HP water service, with side and rear rolling shutters, installed on your **Iveco AD380T43WH 6x6 Eur 3 wheelbase 4500**

BOX STRUCTURE AND EQUIPMENT

Dimensions:

- Length mm: 5900 approx.
- Width mm: 2450 approx.
- Height mm: 2300 approx.

Platform in rectangular steel pipe and cold bent steel, electrically welded to a counterframe in steel sheet bolted to the main beams of the vehicle chassis

The floor of the platform is covered with chequered steel plate 3+2 mm thick

Sturdy columns are welded to the platform to support the box roof.

Access ladder

A containing tray is placed around the tanks to collect oils spills with 10cm edge and discharge tap

Rolling shutters for the box closing on the sides and on the rear

EQUIPMENT AND FITTINGS

n.1 Generator set – Engine driven welder with accessories Band Mosa

Engine driven welder -Three-phase asynchronous alternator

welding

Welding current: 20 ÷ 210 A

Welding voltage: 14 ÷ 44V

Welding current electronic regulation: continues

Service: 210A 60% | 180A 100%

Open circuit voltage (no-load voltage): 68 V

Power ratings

Three-phase power: 6kVA (4.8kW) / 400 V / 8.7 A

Single-phase power: 5kVA (4kW) / 230 V / 21.7 A

Single-phase power: 2.5kVA (4kW) / 110 V / 22.7 A

Noise Level: 68dB at 7m

n.1 Hydraulic Engine-driven air compressor, screw type 2000l/min capacity, driven by hydraulic engine, and covering case and control panel

- n.1 cylindrical air tank, 200l capacity fitted with safety valve, condensation discharger, air intake tap, graduated pressure gauge
- n.1 hose reel for air with automatic spring rewind, block system, and supporting frame for guide rollers. The hose reel is fitted with 15m of suitable 1/2" rubber hose.

A quick coupling is installed on the end of the hose in order to fit one of the following guns

- blowing gun
- spraying gun for air- diesel or air water spraying
- inflating gun with pressure gauge for tires inflating

OILS SERVICES

- n.10 **oil tank** in stainless steel, capacity **210l** equipped with brackets for fastening, complete with bolted cover and filling plug, venting chimney, level indicator, arrangement for pump and drain tap.
- n.10 air operated oil pump for high viscosity, ratio 5:1. Free flow capacity 18 LPM
- n.10 hose reel for oil with automatic spring rewind, block system, and supporting frame for guide rollers. The hose reel is fitted with 15m of 1/2" rubber hose. A delivery gun with litre counter is fitted on the end of the hose

COOLING LIQUID SERVICE

- n.1 tank for cooling liquid in stainless steel Aisi 304, with fixing brackets, **210l** capacity, complete with loading hatch, breathing chimney, and prearranged to be connected to the pump with discharge tap
- n.1 air operated pump in stainless steel, ratio 1:1. Free flow capacity 30 LPM
- n.1 hose reel for cooling liquid in stainless steel Aisi 304, with automatic spring rewind, block system, and supporting frame for guide rollers. The hose reel is fitted with 15m of suitable 1/2" rubber hose and gun

EXHAUST OIL SERVICE

- n.1 tank in steel sheet for exhaust oil with fixing brackets, **500l** capacity, complete with loading hatch, breathing chimney, level indicator, prearranged to be connected to the pump and with discharge tap
- n.1 pneumatic diaphragm pump ratio 1:1, free flow 70 LPM for exhaust oil complete with multiway valve for exhaust oil tank loading and unloading
- n.1 hose reel for exhaust oil with automatic spring rewind, block system, and supporting frame for guide rollers. The hose reel is fitted with 15 m of 1" rubber suction hose

GREASE SERVICE

- n.1 seat for positioning standard 180 kg drums complete with the necessary fittings for quick and secure fixing of the drums and with cover and follower plate.
- n.1 heating band for 180 drums
- n.1 air operated pump for grease, suitable for fitting to 180 kg drum, ratio 50:1, complete with quick joints for air intake and grease delivery
Free flow max. capacity 1.500 gr/min
- n.1 hose reel for grease, with automatic spring rewind, block system, and supporting frame for guide rollers. The hose reel is fitted with 15m of 3/8" rubber hose. A grease delivery gun is fitted at the end of the hose reel

HIGH PRESSURE WATER SERVICE

- n.1 tank for water in stainless steel Aisi 304, with fixing brackets, **500l** capacity, complete with loading hatch, breathing chimney, level indicator, and discharge tap
- n.1 high pressure piston pump for cold water, driven by hydraulic engine, capacity 30l/1' pressure maxi.150 bar, complete with suction filter and pressure regulator.
- n.1 hose reel for HP water in stainless steel, with automatic rewinding by means of a spring device, block system, and supporting frame for guide rollers. The hose reel is fitted with 25 m of 3/8" rubber hose, long. A washing lance is fitted at the end of the hose reel

Electrical system consisting of:

- n.6 led lights, 40 Watt power each, protected in suitable shock proof ceiling lamps for internal lighting
- n.2 spot lights 500 watt placed on the roof for external work area lighting
- n.1 ferrule complete with 5 m of cable and ground plug
- n.1 manual reel with 25m of cable 3x2,5 and n.2 sockets 220V

All the electrical connections are protected by plastic tubing with inspection boxes

The equipment is also complete with:

Pneumatic equipment: for the feeding of the various services, with rubber connecting piping between compressor, air tank, and pumps, suitable for liquids transport, and respective working pressures; dehumidifying filter and air tank reducer downstream, for the pressure adjustment, whenever it's necessary.

All the hose reels are installed one besides the other on a rack structure.

The delivery guns on the end of the hoses are placed in a suitable collecting tray.

The following equipment are also comprised:

Hydraulic system to drive the compressor composed of :

- hydraulic motors for utilities
 - sectional valves
 - oil tank
 - hoses, pipes and valves whenever it's necessary
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- n.1 fire extinguisher capacity 3 kg
 - mud guards for rear wheels
 - n.1 lockable tool box
 - used filters tray
 - n.1 work bench
 - n.1 cabinet
 - underrun side bars
 - clearance lights
 - n.2 canisters 20l each to contain different liquids
 - rear step for access to hose reel rack
 - Use and maintenance manuals with spare parts list

External painting in the colour requested

SPARE PARTS:

- n.1 kit of first maintenance parts for air compressor
- n.1 kit of first maintenance parts for oil pump
- n.1 kit of first maintenance parts for air operated grease pump
- n.1 kit of first maintenance parts for cooler pump
- n.1 kit of first maintenance parts for exhaust oil pump
- n.1 oil gun
- n.1 cooler gun
- n.1 grease gun

Optional 1: Camera system

2.4 GHz wireless digital reversing camera system with multi-screen consisting of:

Wireless reversing camera system with dual screen 7" screen size, HD 720P voltage 10/32V, consumption 8W S with quad zone display

1024 x 3 (RGB) x 600 resolution with 4 cameras
110° angle view Audio Microphone Day/night sensor
Night Vision Length 8-10 m Number of infrared LEDs 4 LEDs

Real-time recording on 125GB micro SD card (not included)

Delay 200 ms Display modes normal, horizontal, vertical, mirror effect

Sunshade, Reverse panel, Automatic coupling

Maximum distance with monitor 300 m (barrier-free)



LED backlight, Video Standard PAL /
NTSC IP protection rating IP69K (camera)
Operating Temperature -20°C to +70°C
Vibration Resistance ISO 16750-3 - max 17.3G
With ultrasonic rear detection system in reverse

Optional2: Monitor kit with camera with 360 degree radar system (see attached sheet)