

MEGA 45

TECHNICAL SPECIFICATION

09/12/2019

The chassis cab selection is made by customer decision and can reduce below-given capacities.
JIGE INTERNATIONAL cannot be held responsible.

Weight superstructure boom with valves and all included accessories.	5.930 tons
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GENERAL SPECIFICATIONS

The recovery unit is all hydraulic and complies with EEC rules when completely installed on the truck by Jige International

The unit is provided with :

One main lifting boom

Two double-acting lifting cylinders two stages ball bearing, each end protected by sursulfe oxynite surface (black) treatment

One main extension top boom

One folding boom with tilt up - down device

One telescopic extendable boom 4 stages

Two rear stifflegs with spade and removable anti slip shoes

One pair of fork holder

6 pairs of forks for truck lifting

3.86 M
NEG 24°

One set of bus grid

24 T

Draw bar with removable cross bar coupling

10 T

Semi trailer 5th wheel cable pulling ring

40 T

Max lifting capacity of the boom

40 T

Max lifting high full elevation

45 tons

The whole unit is operated from an electro-hydraulic valves with 10 functions proportional radio remote control

6,58 M

SUBFRAME

The recovery unit is mounted on a subframe made with rectangular hollow section.
The subframe is fastened to the truck frame by side flanges according to chassis manufacturer's specifications.

Tube ST52
DIN

Type of screws

912 12.9

LIFTING,FOLDING AND EXTENDABLE BOOM		
Entirely made of high tensile steel.		Weldox 700
The lifting boom is built with strong square hollow section, elevated by means of two hydraulic cylinders hinged on ball bearings.		
The lifting boom is supported with 2 strong ball bearings bolted on the subframe.		
Wire outlet goes above the lifting boom which has rotating sheaves for the winch cable.		
The folding boom is built of strong rectangular hollow section and hydraulically operated by one hydraulic cylinder hinged on ball bearings.		
The extendable boom is hydraulically operated by dual piggy back cylinders, each stages sliding on nylatron wear pads.		
maxi reach		4,1 m
Lifting capacity	retracted extended	23 tons 9 tons 15 tons 4-10 tons
with crane pulley and max boom elevation lifting/towing depending on chassis and local regulations		
CONTROL VALVE SYSTEM		
The directional control valve consists of 6 manual hydraulic parallel connected sections with built in relief valve		
N°1 main boom up/down		
N°2 main boom in/out		
N°3 télescopic folding boom tilt up/down		
N°4 télescopic extension boom in/out		
N°5 right stifflegs up/down		
N°6 left stifflegs up/down		
Others functions depending on options		
The valve levers are provided with spring return		
ELECTRICAL SYSTEM		
Voltage as chassis	24 Volt	
Hourmeter	1 pcs	
Stop, tail and turning signal lights are placed at the rear of the unit	4 pcs	
Working lights are placed on the stowage compartments	2 pcs	
All necessary fuses with automatic fault marker		
Electrical wires are protected against external effects and color coded		
Proportional radio remote	10 functions	

STIFFLEGS	2 pcs
<p>The stifflegs are separately power operated.</p> <p>The stifflegs are provided with toothed spades for optimum anchorage in soft ground surface and with flat plate removable with small carbide hardened stud for fragile tarmac.</p> <p>The two stifflegs are slanted in V shape in order to enlarge their ground position while extended allowing to steady up the tow trucks during hard side pulling</p>	Stroke 760m/m
HYDRAULIC SYSTEM	
<p>Hydraulic tank volume approx.</p> <p>The hydraulic tank is separated from the boom and rubber mounted inside the subframe</p> <p>One hydraulic piston pump with transmission or flanged to the PTO max pressure</p> <p>Hydraulic pipes in accordance with.</p> <p>Proportional hydraulic distributor magnet 24 V with emergency lever on the block</p> <p>All hydraulic pipes are tested.</p> <p>Return oil pipes in accordance with</p> <p>Hydraulic hoses with pressed on couplings is accordance with</p> <p>Return oil hose in accordance with</p> <p>Return oil filter capacity</p> <p>Return oil filter is of low pressure type</p> <p>Pressure filter</p>	180 liters 300 bars DIN 24131 10 functions DIN 24131 EN 8572 SC EN 8572 SC 180 l/min 10 microns 10 microns
LIFTING AND TOWING EQUIPMENTS	
<p>Adjustable and self locking forks holder</p> <p>High lift fork holder</p> <p>Pair of 16m/m long calibrated high tensile chains 2.5 meter long</p> <p>Towing bar</p> <p>Towing cross bar attachment</p> <p>Lifting forks suitable for most trucks and chain lift</p> <p>Towing grid and bus attachment</p> <p>Wheel tie down with ratchet</p> <p>5 th wheel hook up</p>	1 pair 1 1 1 1 6 pairs 1 set 2 set 1
PAINTING	
<p>The superstructure and bodies are sand blasted, vapor cleaned and phosphated, primed and painted with customers one tone color request. (except Teckel body)</p>	