

## TECHNICAL SPECIFICATION LIGHT CITY ISUZU

Weight superstructure boom with valves, sub frame and all accessories included	1 T				
<p><b>GENERAL</b></p> <p>The recovery unit is hydraulically controlled.</p> <p>The unit consists of:</p> <ul style="list-style-type: none"> <li>- One main lifting boom</li> <li>- One double-acting hydraulic lifting cylinder protected by chrome protection.</li> <li>- One extendable recovery boom with adjustable cross bar for underlift and tilt-up-and-down device.</li> </ul> <p>Max. lifting capacity of the underlift :</p> <table> <tr> <td>extended</td><td>1.2 T</td></tr> <tr> <td>retracted</td><td>1.7 T</td></tr> </table> <p>The unit is operated by an electro-hydraulic power pack to be controlled by means of joy sticks.</p>	extended	1.2 T	retracted	1.7 T	<p>NEG – 17°</p>
extended	1.2 T				
retracted	1.7 T				
<p><b>SUB FRAME</b></p> <p>The recovering unit is mounted on a sub frame made of rectangular hollow section, and assembled by lateral fitting plates with special screws.</p> <p>The original frame is reinforced by longitudinal members in calliper form</p> <p>Shortening of rear overhang, removal of the original spring blade, modification of various brackets, every subassembly is galvanized, installation of 2 parabolic blades and 2 air cushions, replacement of original shock absorbers, modification of the exhaust pipe, installation of a Panhard type bar, air pressure regulator, installation of an air compressor and bottle (8bars) with push-pull connection in right hand box</p>	<p>Tube E36.3 EN 10210</p>				

<p><b>LIFTING AND RECOVERY BOOM</b></p> <p>The housing of the boom:</p> <ul style="list-style-type: none"> <li>- made of strong square hollow section</li> <li>- is lifted by a double-acting hydraulic cylinder (hinged on self-lubricating bearings)</li> <li>- main articulation on self-lubricating bearings</li> </ul> <p>The recovery boom:</p> <ul style="list-style-type: none"> <li>- is made of strong square hollow section</li> <li>- extension by double-acting hydraulic cylinder (cylinder mounted on articulation)</li> <li>- head of telescopic arm made of cast steel</li> </ul> <p>The articulation of the power tilt:</p> <ul style="list-style-type: none"> <li>- is effected by a double-acting hydraulic cylinder</li> <li>- on self-lubricating bearings</li> </ul> <p>The cross bar is articulated by means of a bearing/bolt system</p> <p>The bearings:</p> <ul style="list-style-type: none"> <li>- are conical bearings without any adjustment</li> <li>- are situated in the head of the telescopic arm</li> </ul> <p>The bolt:</p> <ul style="list-style-type: none"> <li>- is made of 2 parts fitting into each other (1 with groove, 1 with feather)</li> </ul> <p>Cross bar ball lock device control orientation sector in 3 positions</p> <p>The lifting capacity of the recovery boom are :</p> <ul style="list-style-type: none"> <li>- boom extended</li> <li>- boom retracted</li> </ul>	<p>stroke</p> <p>steel stroke steel</p> <p>stroke</p> <p>hole bearing</p> <p>diameter steel Protection Positions</p>	<p>HLE 690 180 mm</p> <p>E363 EN10210) 500 mm GE320-560 M</p> <p>340 mm</p> <p>60 mm 95 mm</p> <p>60 mm 42CD4 zinc 45°</p> <p>1.2 T 1.7 T</p>
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<p><b><u>ELECTRIC SYSTEM</u></b></p> <p>Voltage as chassis (2 battery)</p> <p>The equipment has 4 electric functions:</p> <ul style="list-style-type: none"> <li>- Led lightbar + light</li> <li>- working lights (2 working lights in light bar, 1 working light at the rear of the body)</li> <li>- compartments of the body with Led inner lighting</li> <li>- Led strobe lights</li> </ul> <p>The electric functions are controlled by switches on the control board</p>	<p>12V</p>
<p><b><u>HYDRAULIC SYSTEM</u></b></p> <p>All hydraulic functions are generated by an electro-hydraulic power pack</p> <p>The oil tank fitted on this pack is made of steel</p>	<p>pression capacity</p> <p>+/- 220 8 l</p>
<p><b><u>LIFTING AND TOWING TACKLES</u></b></p> <p>Towing grid</p> <p>Towing ball attachment at stiffleg (option)</p>	<p>1 set 1</p>
<p><b><u>ELECTRIC WINCH</u></b></p> <p>Spur gear reducer and pneumatic clutch, length cable 20m.</p> <ul style="list-style-type: none"> <li>- Electricwinding and unwinding</li> <li>- Radio remote control, length 6 m</li> <li>- Manual free spooling</li> <li>- Pulling capacity                      1 layer                      :                      4 309 kg</li> </ul>	
<p><b><u>BODIES</u></b></p> <p>The body:</p> <ul style="list-style-type: none"> <li>- is made of polyester</li> <li>- their 2 sides are independent from each other (driver/passager)</li> <li>- Body has 2 storage compartments (driver/passager)</li> </ul> <p>The doors have internal hinges and foldable paddle lock-type handles.</p> <p>These compartments are fully Led illuminated.</p>	<p>thickness</p> <p>5 m/m</p> <p>Volume</p> <p>550 l</p>