ROLLIGON

MODEL 4450

all terrain amphibious

2 TON VEHICLE

SERVICING DREDGE

PIPELINE WELDER CARRIER

SERVICING DRAGLINE

TAILING DREDGE PIPE

PERSONNEL CARRIER

Go anywhere anytime

SPECIFICATION NO. 4450-73
<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Maximum Payload on Land</td>
<td>4,000 lbs.</td>
</tr>
<tr>
<td>Maximum GVW in Water</td>
<td>6,850 lbs.</td>
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<tr>
<td>Recommended Maximum Operating GVW in Water</td>
<td>5,000 lbs.</td>
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<tr>
<td>Vehicle Weight, no payload, no operator, no fuel</td>
<td>3,500 lbs.</td>
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<tr>
<td>Minimum Ground Clearance at Pivot</td>
<td>19 inches</td>
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<tr>
<td>Maximum Forward Gradeability</td>
<td>60 %</td>
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<tr>
<td>Maximum Side Gradeability</td>
<td>40 %</td>
</tr>
<tr>
<td>Maximum Angle of Approach</td>
<td>60 degrees</td>
</tr>
<tr>
<td>Maximum Angle of Departure</td>
<td>80 degrees</td>
</tr>
<tr>
<td>Maximum Forward Speed on Land</td>
<td>24 MPH</td>
</tr>
<tr>
<td>Maximum Reverse Speed on Land</td>
<td>3 MPH</td>
</tr>
<tr>
<td>Maximum Operating Speed in Quiet Water</td>
<td>2 MPH</td>
</tr>
<tr>
<td>Minimum Turning Radius</td>
<td>18 feet</td>
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ROLLIGON
MODEL 4450
FEATURES

PAYLOAD
Maximum payload with intermittent operation and full ground contact of all wheels on firm terrain. Payload reduced proportionately to duration of operation, terrain unevenness, and terrain softness.

POWER PLANT

DRIVE LINE
All wheels powered. Spicer 1350 Universal Joints in jackshafts and drive shafts. Rolligon Chain Case, 2.12:1 ratio, self oiling double roller chain. Two Dana Model 70 axles, 7500 lb. rating, 6.17 ratio, welded steel mounts bolted to frame. Four hubs, each with bearings, seals, and gaskets, each with 8-5/8" wheel mounting studs.

FRAME
Front frame on one axle, rear frame on one axle, coupled by articulating joint. Welded steel construction with dual 6" channels. Integral welded mounts for assembly of components.

ARTICULATED JOINT
Welded steel construction. Upper and lower steel gudgeons with bronze, grease fitted bushings welded to pivot section. Matching pairs steel trunnions welded to heavy front frame and plate, each with 2" diameter alloy fastened pin. Machined steel swivel tube welded to pivot section. Machined steel swivel housing bolted to rear frame. Swivel jackshaft with sealed bearings bolted to swivel housing. Steel swivel stops for 40° total swing.

STEERING
36° maximum steering angle left or right from center. Full hydraulic power steering. Hydraulik pump with relief valve driven by power plant. Oil reservoir with strainer. 2° diameter steering cylinder with stainless steel rod. Hydraulic hoses with threaded fittings. Steering control mounted on steering post supported from engine housing. Steel reinforced plastic steering wheel mounted on steering post.

WHEELS
4 welded and machined aluminum wheels. Each wheel mounted to axle hub flange with 8-5/8" stud nuts. Each wheel with 40 x 50 - 12 cleated Rolligon Tire mounted onto wheel end flanges with bolted aluminum Tire Keeper Rings. Tire inflatable to 6 psi and inflated from engine exhaust by Tire Inflation Hose. Optional Spare Wheel & Tire Assembly. Optional smooth Rolligon Tires. Optional steel wheels with 300 lbs. added to vehicle weight and deducted from rated payload.

WHEELS (cont’d.)
Wheel end flanges with bolted aluminum Tire Keeper Rings. Tire inflatable to 6 psi and inflated from engine exhaust by Tire Inflation Hose. Optional Spare Wheel & Tire Assembly. Optional smooth Rolligon Tires. Optional steel wheels with 300 lbs. added to vehicle weight and deducted from rated payload.

BRAKE
Drum brake on transmission output shaft mechanically operated by hand lever with ratchet.

CARGO DECK
All welded aluminum structure bolted to rear frame. 11 gauge diamond aluminum floor plate welded to structure. 2" x 4" stake pockets on approximate 30" centers. 10,000 lb. pintle hook at rear. Optional steel cargo deck with 100 lbs. added to vehicle weight and deducted from rated payload.

FRONT WINCH
8000 lbs. capacity. Steel mounts. Cast aluminum housing. Cast steel drum. 5/16" x 100' steel cable. 3/8" x 18" steel tail chain with steel hook. Line shaft driven from engine transmission PTO. Reel and unreel hand control lever. Unspooling release lever.

OPERATOR SEAT
Seat on centerline facing forward. 4" fore and aft adjustment. Steel frame and side rails. Weather proof cushioned seat, back, and arm rests. Integral operator floor and front fenders of braised and welded aluminum construction bolted to front frame.

INSTRUMENTS

STANDARD ACCESSORIES

OPTIONAL EQUIPMENT
ROLLIGON
MODEL 4450
DATA

JUNGLE TRANSPORT

MOSQUITO CONTROL

ARCTIC TRANSPORT

DRAWBAR PULL
TIRE PRESSURE — 3 Psi

GROUND BEARING PRESSURE

% OF GROSS VEHICLE WEIGHT

20
40
60
80
100
120

WATER
WET MUD
LOOSE SAND
WET SAND
DAMP MUD
FIRM DRY LAND

TERRAIN CONDITION

WARRANTY

Rolligon Corporation warrants its new products to be free of defective materials and/or workmanship for six months after its delivery limited to its elected repair and/or replacement at its factory excluding removal, installation, and/or transportation expense, of parts as shall appear to its inspection at its factory having had such defects, not including its Tires, not including parts made and warranted by others, and not including parts made to special order of the Purchaser.

Rolligon Corporation warrants its Tires to be free of defects only of materials, costs, and/or separations for six months after delivery limited to its elected repair or replacement at its factory of Tires as shall appear to its inspection at its factory having had such defects, excluding removal, installation, and/or transportation expense, such replacement allowing credit only for the measured unused portion of such defective Tires.

IMPROVEMENTS

It is the policy of Rolligon Corporation to continually improve its products. The right is reserved to make changes in specifications or design which in the opinion of this company are in accord with this policy or which are necessitated by the unavailability of materials. The description herein is for the purpose of identifying the kind of machine and does not limit nor extend the express warranty provisions.

PATENTS & TRADEMARKS

"Rolligon" is the registered trademark of Rolligon Corporation. Rolligon Tires and Vehicles protected by U.S.A. and foreign patents.

THE ROLLIGON CORPORATION

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