ROLLIGON

MODEL 4460
off-highway amphibious
5 TON HAULER

Line Pipe Stringing With Trailer

Dredge Pipe Tailing

Arctic Exploration

Dragline Servicing

Fuel Hauling With Trailer

Go anywhere anytime

SPECIFICATION NO. 274

Core Drilling
Maximum Payload on Land ........................................ 10,000 lbs.
Maximum GVW in Water ........................................ 19,000 lbs.
Recommended Maximum Operating GVW in water ............ 12,500 lbs.
Vehicle Weight, no payload, no operator, no fuel ............ 7,500 lbs.
Minimum Ground Clearance at Pivot .......................... 25 inches
Maximum Forward Gradeability .................................. 60%
Maximum Side Gradeability ...................................... 45%
Maximum Angle of Approach ..................................... 60 degrees
Maximum Angle of Departure ................................... 80 degrees
Maximum Forward Speed ........................................ 24 MPH on land
Minimum Turning Radius ......................................... 22 feet
ROLLIGON

MODEL

4460

FEATURES

PAYLOAD

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

POWER PLANT


DRIVE LINE

All wheels powered. Spicer 1350 Universal Joints from power plant. Rolligon Chain Case, 2.64:1 ratio, self oiling quadruple roller chain. Two Rockwell Type L145 Axles, 18,500 lb. rating, 8.17 ratio, with “no-spin” differentials, with 6-3/4” wheel mounting studs, with welded steel mounts for bolted assembly. Spicer 1560 Universal Joints to axles. Optional PTO Chain Case.

FRAME

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

ARTICULATED JOINT

Welded alloy steel construction. Upper and lower 1-1/2” thick gudgeons welded to pivot section. Upper and lower trunnion pairs welded to heavy front frame end plate. Pair 2” dia. tool steel pivot pins mounted in self-aligning ball bushings. Machined steel swivel tube, 9-1/2” dia. 12” long, 1” wall. Machined steel swivel housing, bronze bushed, sealed bronze thrust bearings, supported on rear frame. Steel swivel stops for 40° total swing.

STEERING

32° maximum steering angle left or right from center. Full hydraulic power steering. Hydraulic pump driven by power plant. Relief valve. Oil reservoir with filter. Two heavy duty steering cylinders with stainless steel rods. Hydraulic hoses with threaded fittings. Steering control valve mounted on steering wheel post. Steel plastic covered steering wheel.

WHEELS

Welded and machined aluminum wheels. Each wheel mounted to axle hub flange with 6-3/4” nuts. Each wheel with 54” diameter by 68” wide cleated Rolligon Tire mounted onto wheel end flanges with aluminum tire keepers. Tire inflation to 6 psi. Optional rolligon R5 tires. Optional over tire chains.

BRAKES

Disk brake on front axle drive shaft hydraulically operated by foot pedal. Drum brake on transmission output shaft mechanically operated by hand lever with ratchet.

CARGO DECK

All welded steel structure bolted to rear frame. 16 gauge diamond steel floor plate. 2” x 4” stake pockets on approximately 30” centers. 20,000 lbs. pindle hook at rear. Optional aluminum construction with 300 lbs. less weight and 300 lbs. more payload.

FRONT WINCH


OPERATOR PLATFORM


INSTRUMENTS


STANDARD ACCESSORIES


OPTIONAL EQUIPMENT

USE ROLLIGON EQUIPMENT

- 20 Tons maximum load on land
- Diesel Powered Tractor
- 6 Wheel Tractor - all powered
- 4 Wheel Trailer - non-powered
- 54" dia. x 68" wide Rolligon Tires with molded-in lugs
- 15,000 lb. vehicle weight
- Available with flat bed
- Power Shift Transmission

ROLLIGON CORPORATION
10635 BRIGHTON LANE
STAFFORD, TEXAS 77477

TELEPHONE: (713) 495-1140
ROLLIGON CORPORATION 10 X 10 TITAN
LOW GROUND PRESSURE, ENVIRONMENTAL FRIENDLY
10 X 10 TITAN VEHICLE WITH SUPERIOR LOAD ABILITIES

AVAILABLE
FROM ROLLIGON CORPORATION IS THE 10 X 10 TITAN
ALL TERRAIN, HEAVY HAULER UTILITY CARRIER

THE TITAN IS A FULL TIME, TEN (10) ALL WHEEL DRIVE
VEHICLE DESIGNED TO BE A LOW GROUND PRESSURE UNIT USED IN
CARRYING APPLICATIONS OF UP TO 60,000 LBS. THE VEHICLE IS
EQUIPPED WITH THE ROLLIGON 72 X 68 X 28 TIRES.

THE UNIT FEATURES ARTICULATED POWER STEERING, DIESEL
ENGINE, MECHANICAL DRIVE AND A ROLL PIVOT SECTION THAT ALLOWS
MAXIMUM GROUND CONTACT OF ALL TIRES.

STEEL AND ALUMINUM CONSTRUCTION COMBINED WITH
ROLLIGON HIGH FLOATING TIRES ALLOWS THE VEHICLE TO CROSS VERY
UNSTABLE GROUND CONDITIONS WITH EASE.

THE CARGO AREA IS FULL LENGTH OF VEHICLE.

OPTIONAL CAB IS AVAILABLE FOR INCLEMENT WEATHER
CONDITIONS. CONTACT ROLLIGON CORP. FOR DETAILS.

GENERAL SPECIFICATION

STEEL & ALUMINUM CONSTRUCTION
MAXIMUM PAYLOAD .................. 60,000 LBS.
VEHICLE WEIGHT DRY (APPROX.) .......... 90,000 LBS.
MAXIMUM SPEED ON LAND .............. 18 MPH
ENGINE - DIESEL, 400 HP AT 2100 RPM
TRANSMISSION - POWER SHIFT
BRAKES - AUTOMATIC PARKING ENCLOSED DISC BRAKES
FULL TIME TEN WHEEL DRIVE (10 X 10)
WHEELS: ALL STEEL CONSTRUCTION
TIRES: ROLLIGON 72 X 68 X 28 V6 VIDAR
ONE OR TWO SEATS IN OPERATOR'S COMPARTMENT
OTHER OPTIONAL TIRES AVAILABLE
OPTIONAL FRONT AND REAR WINCHES

FOR ADDITIONAL INFORMATION AND DETAILS
CONCERNING A DEMONSTRATION PLEASE CONTACT:

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