REX-100
98-TON PIPELAYER

CORIS
www.coris-pipeline.com

UNIQUE ADVANTAGES OF THE REX-100

Dual Transport Modes - Road Transportation Friendly

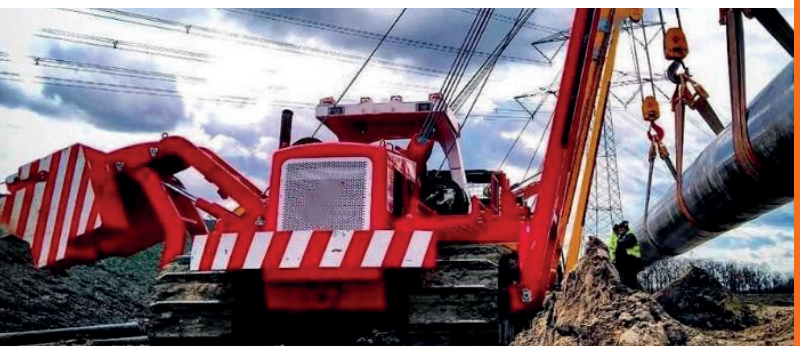
- Quick Partial Disassembly with frames removed (3m width / 30t weight complies with road regulations and ready for lowboy trailers in hours)
- Quick Full Disassembly for transport in containers

(see page 4)

Quick-Connect Counterweight System

(see the sequence of pictures at the bottom of the pages)

- Bolt-on design eliminates pin removal and thus gives much more security during the assembly stage
- 60% faster assembly than traditional systems



The REX-100 Configuration Flexibility - Dual-Width Certified Performance

- The REX-100 is engineered and certified for both narrow and wide undercarriage configurations. When encountering restricted right-of-way conditions, it converts to 3m width in under one hour.
- Essentially two pipelayers in one: with 3.6m undercarriage and 98-ton lifting capacity and with 3 m undercarriage with slightly reduced capacity

Undercarriage's Solid Steel Frame Advantage

- Instead of box-section designs, REX-100 has monolithic steel plate construction which enhances stability during lowering-in operations, lowers center of gravity by 15% for enhanced stability and improves empty-machine maneuverability

TECHNICAL DATA

Engine	Caterpillar C9.3 ACERT Emission regulations according to to 97/68/EC, 2004/26/EC Stage V, US EPA / CARB lier 4 Final
Rate power SAE J1995	328 kW / 440 HP@2,100 rpm
Safety brake	Spring-loaded disk brake holds the load safety in any position
Fuel tank	350 l/92.5 gal
Hydraulic tank	365 l/95.1 gal
Engine oil	45 l/11.9 gal
Transmission system	Infinitely variable hydrostatic travel drive, independent for each track
Hydraulic system	All the logical assemblies on the machine are hydraulic (not electronic). Result: the machine is significantly more reliable in relation to electronic system

ROPS ASSEMBLY PHASES 6 MINUTES — COUNTERWEIGHT ASSEMBLY PHASES 21 MINUTES

The assembly process usually takes half a day or more. We've streamlined it to just 100 minutes from transport to full operation. See our rapid assembly in action-each step time-stamped to showcase unmatched speed. Watch as the machine becomes ready in record time.

INDUSTRY-LEADING EFFICIENCY

Intelligent Traction Management
• Auto-engaging descent control maintains safe speeds on even the steepest slopes

Modular Engine Swap
• <2-hour replacement (per internal 2023 field tests) which enables emergency repairs and facilitates emission standard upgrades (Stage IIIA to V)

Advanced Operator Station
• 30° rotating seat improves pipe-lowering visibility and reduces operator fatigue

Recognized Safety Leadership
The design of the REX-100 has received a 2018 IPLOCA HSE Innovation Award

Designed for extreme conditions, with hydraulic systems meeting ISO 4406 cleanliness standards for reliable operation

TECHNICAL DATA

Service Brake	Hydrostatic (self-locking), wear-free
Final Drive	Combination spur gear with planetary gear, double-sealed (Duo Cone seals)
Travel Speed	Continuously variable
Speed Range	0-4.8 km/h (3.0 mph); 0- 6.0 km/h (3.7 mph); 0-8.4 km/h (5.2 mph)
Hydraulic system	Load sensing (demand controlled)
Pump type	Swash plate piston pump
Pump flow max	346 l/min/91,1 gpm
Pressure limitation	420 bar/6,092 psi
Control valve	3 circuits
Hydraulic winch	Variable flow hydraulic pump
Filter system	Return filter with magnetic rod in the hydraulic tank
Control	Primary joystick: Hoist winch control Secondary joystick: Counterweight management.

COUNTERWEIGHT ASSEMBLY PHASES 21 MINUTES

TRANSPORT DIMENSIONS

REX-100 stands apart in the market by offering two optimized transportation solutions to suit your project needs:

1. Partial Disassembly Option

- Quick preparation: Only requires boom and counterweight frame removal
- Road-ready: Reduces main body width to 3 meters and 30 Mt+ weight
- Perfect for local/lowboy truck transport

2. Full Disassembly Option

- Ideal for sea freight or long-distance transport (One unit fits in just one 40-foot and two 20-foot containers) as its width could be reduced to 2.34 m
- It could be ready for container shipment in 6 hours

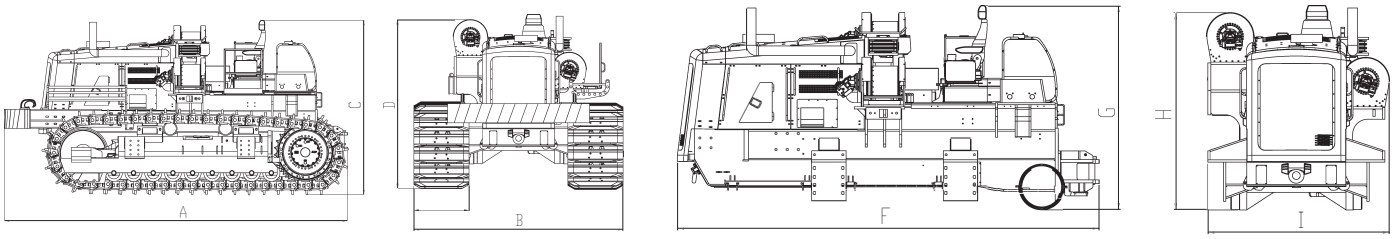
This flexibility ensures the logistics solution best suited for project needs, whether shipping internationally or moving equipment between job sites.

DIMENSIONS FOR FAST SHIPMENT (PREPARATION TIME: 2.5 HOURS)

A	mm / ft-in	6,276 / 20’7”
B	mm / ft-in	3,000 / 9’10”
C	mm / ft-in	3,190 / 10’6”
D	mm / ft-in	3,190 / 10’6”

DIMENSIONS FOR SHIPMENT IN CONTAINER (2 CONTAINERS 20” + 1 CONTAINER 40”)

F	mm / ft-in	5,640 / 18’6”
G	mm / ft-in	2,720 / 8’11”
H	mm / ft-in	2,720 / 8’11”
I	mm / ft-in	2,320 / 8’7.2”



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COUNTERWEIGHT PHASES 18 MINUTES

BOOM SUPPORTS 12 MINUTES