

Model TC-85D Tie Crane



The TC-85D provides the railroad industry with an innovative approach to railroad tie handling.

With the proven reliability and the latest technology that is provided in a Deere/Hitachi Excavator, and combining it with a hydraulic drive system and lower rail wheel platform.

RCE has developed a modern tie handler that provides high productivity, lower operating costs, lower maintenance costs and a product that has the world wide support of the John Deere dealer network.

Features:

- A 54 horsepower engine and smooth powerful hydraulics combine to give the TC-85D big time power. They work together to maximize engine output, save fuel, and makes multi-function operation a snap.
- Engine provides exceptional fuel economy for multiple day operation. (1.5- 2 gal./hr fuel consumption)
- Daily service check points are easy to get to, thanks to large, easy-to-open service doors. Daily maintenance checks are all accessible at ground level.
- Hydraulic driven drive axles with integrated dynamic/failsafe braking are standard.

This means there are no chain drives to maintain.

- Reduced Tail swing And Independent Swing Boom
- An Ergonomic cab that brings a comfortable and safe work station for the operator. The cab includes a automatic blend-air climate system that maintains the exact temperature you want using heater/defrosters and air conditioning, a fully adjustable seat with lumbar support, cup holder, 12 volt cell phone jack are just some of the cabs convinces.
- Controls that are easy to reach and easy to move for boom and arm functions lever efforts have been reduced up to 10%
- Multiple boom arm options:
Tie crane arm or bridge crane arm/excavator arm



For more information contact:
Rail Construction Equipment Co.
1901 Harrison Ave.
Rockford, IL 61104
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Tie Crane Specifications	TC-80C
ENGINE	
Manufacturer/Model	John Deere-Isuzu / 4Le2X
Net Power hp (kW) @ Rated rpm	54 (40.5) @ 2000
# Cylinders and Displacement cu in. (L)	4 - 133 (2.2)
HYDRAULIC SYSTEM	
System Design	Open center
Main Pump Type	Variable axial-piston
Total Main Pump Flow gpm (L/m)	41.8 (158.4)
Normal Relief Pressure psi (kPa)	3771 (25 980)
Max. Propel Pressure psi (kPa)	4554 (31 350)
CAPACITIES	
Fuel Tank gal (L)	35.7 (136)
Hydraulic Reservoir gal (L)	15 (58.7)
LOWER PLATFORM	
Ground Clearance in.	4"
Max. Travel Speed mph (km/h)	23 (37.0)
PERFORMANCE	
Reach @ G.L. std. Arm ft	23' 5"
Lift Cap. Over Frt @G.L. lb	2,988 @15'
Lift Cap. 90 deg. To side @ G.L. lb	2,543 @15'
Tail Swing Radius ft	4.3"
Swing Speed rpm	10.5
TRANSPORT SPECIFICATIONS	
Standard Transport Length ft (mm)	30' 9"
Standard Transport Height ft (mm)	10' 0"
Height to top of cab Height ft (mm)	8' 4"
Standard Transport Width ft (mm)	8' 4"
SAE OPERATING WEIGHT lb (kg)	16,905

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