



## Model TC-80Z Tie Crane

The TC-80Z 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 52 horsepower engine and smooth powerful hydraulics combine to give the TC-80Z 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.*
- Optional service disc brakes and parking brake packages are available.
- 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  
PH. 866-472-4570 Fax. 815-387-1022

<b>Tie Crane Specifications</b>	<b>TC-80C</b>
<b>ENGINE</b>	
Manufacturer/Model	John Deere-Isuzu / CC-4JG1
Net Power hp (kW) @ Rated rpm	52 (39) @ 2100
# Cylinders and Displacement cu in. (L)	4 - 186.7 (3.1)
<b>HYDRAULIC SYSTEM</b>	
System Design	Open center
Main Pump Type	Variable axial-piston
Total Main Pump Flow gpm (L/m)	47.1 ( 178)
Normal Relief Pressure psi (kPa)	3770 (25 980)
Max. Propel Pressure psi (kPa)	4550 (31 350)
<b>CAPACITIES</b>	
Fuel Tank gal (L)	36 (136)
Hydraulic Reservoir gal (L)	16 (58.7)
<b>LOWER PLATFORM</b>	
Ground Clearance in.	4"
Max. Travel Speed mph (km/h)	23 (37.0)
<b>PERFORMANCE</b>	
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	5' 9"
Swing Speed rpm	11.3
<b>TRANSPORT SPECIFICATIONS</b>	
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"
<b>SAE OPERATING WEIGHT lb (kg)</b>	
Metric Ton Weight	7.215

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