

**POWER  
AND PRECISION  
FOR CONGESTED  
JOB SITES**

**CTLH 192-12**  
**HYDRAULIC LUFFING JIB  
TOWER CRANE**

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12 t (13.3 USt) max. hoisting capacity  
2,35 t (2.59 USt) max. tip load  
55 m (180 ft) max. jib length



# Terex introduces its first Hydraulic Luffing Jib Tower Crane specifically designed for innercity construction sites.

The new Terex® CTLH 192-12 offers high performance and the market's lowest in-service and out-of-service radii.

Hydraulic luffing technology gives the operator the ability to manage the load with unmatched precision.

## HYDRAULIC LUFFING TECHNOLOGY

30 kW hydraulic gear  
Precise control of luffing movement  
Completes full luffing in 2 minutes

## POWERFUL HOISTING

67 kW hoist winch  
Up to 252 m/min (825 ft/min) winch speed  
Single, 2-fall and 3-fall capability

## HIGH FLEXIBILITY

Compatible with main towers:  
HD23 – TS23 – TS21 – H20  
Wide choice of bases  
Up to 84 m (276 ft) free-standing height  
External and internal climbing systems  
also available



# CTLH 192-12

## Hydraulic Luffing Jib Tower Crane



### JIB LENGTH

**25->55 m (82 -> 180 ft)**

Flexible configuration  
Built in 5-m (16 ft)  
modular sections  
Jib safety rope  
on each section

### HIGH PERFORMANCES

12 t (13.3 USt) max. hoisting capacity  
2,35 t (2.59 USt) max. tip load

### COMPLETE CONTROL

with the latest control software:

Terex Power Plus (TPP):  
10% power boost when needed  
Easy set-up  
Terex Power Match (TPM)  
Anti-Collision / Zoning system ready

### S-PACE CAB:

Superior visibility and comfort

**FLINK**  
Telematic platform

### NEW T-TORQUE

### SLEWING TECHNOLOGY

Customizable settings  
Smoother movements or precise response  
Extremely accurate control

**WORKS FOR YOU.™**



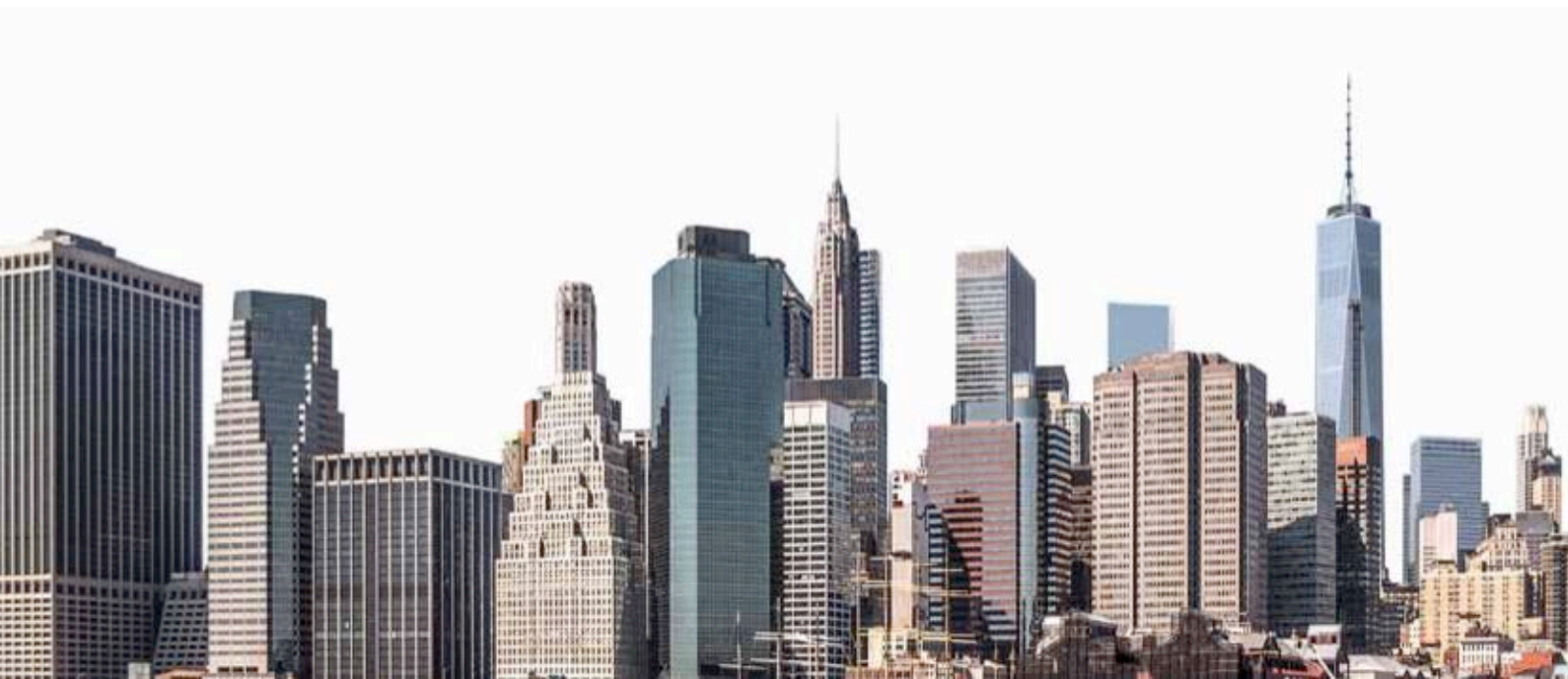
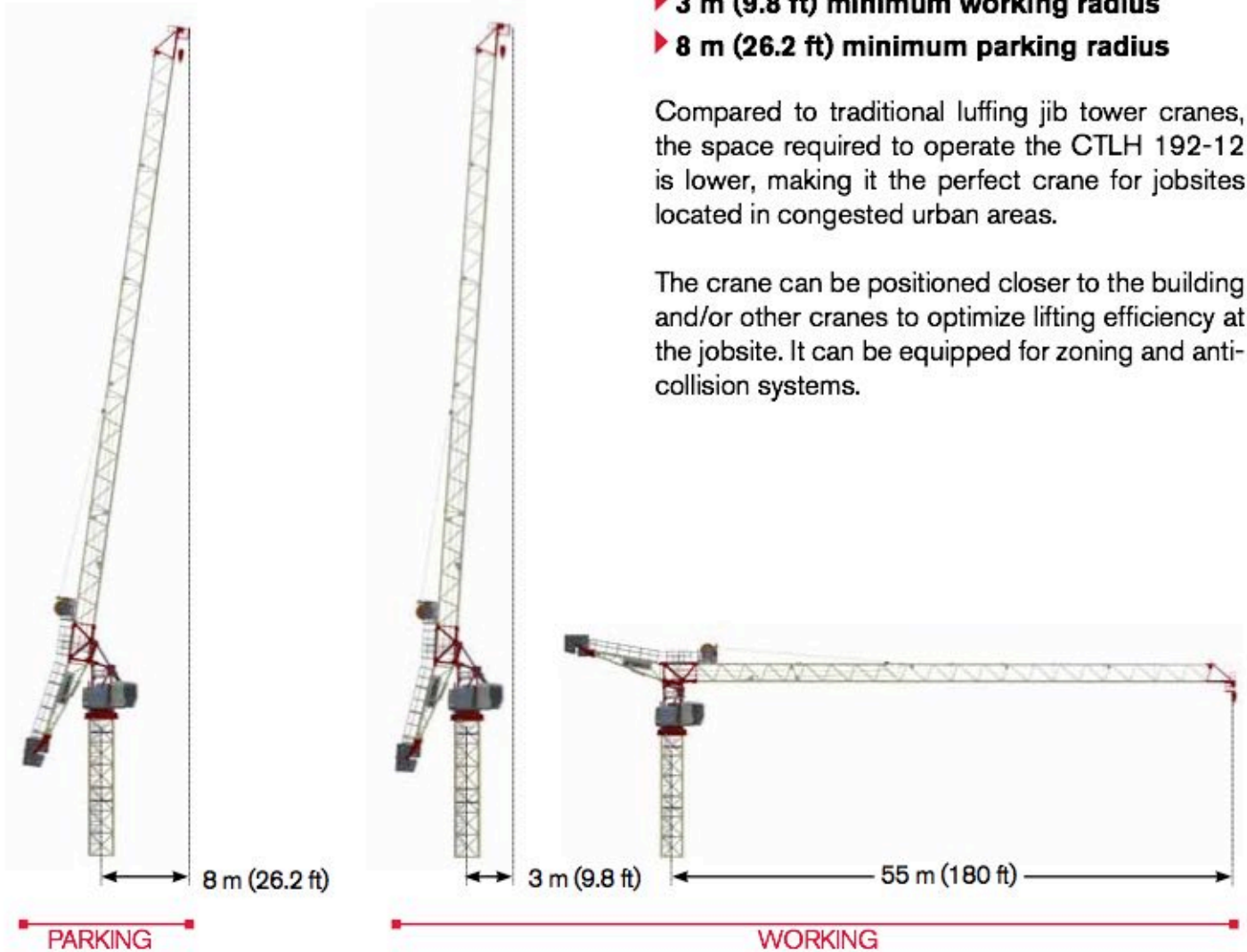
# HYDRAULIC TECHNOLOGY: more advantages for the HIGHEST RETURN OF INVESTMENT

## THE LOWEST RADIUS

- ▶ 3 m (9.8 ft) minimum working radius
- ▶ 8 m (26.2 ft) minimum parking radius

Compared to traditional luffing jib tower cranes, the space required to operate the CTLH 192-12 is lower, making it the perfect crane for jobsites located in congested urban areas.

The crane can be positioned closer to the building and/or other cranes to optimize lifting efficiency at the jobsite. It can be equipped for zoning and anti-collision systems.





# CTLH 192-12

## Hydraulic Luffing Jib Tower Crane

### POWER AND PRECISION. Improve productivity of jobsite

Hydraulic luffing technology provides both high power and high precision in load positioning. The operator decides when fast movement or precise load control is needed.

- ▶ **High power:** the 30 kW motor completes full luffing movement of 55m jib from minimum to maximum height in only 2 minutes.
- ▶ **Ultimate precision:** hydraulic technology provides smooth micromovements for extremely precise load handling. Dedicated sensors measuring cylinder position and jib angle ensure complete control of luffing.
- ▶ **In control:** Regardless of the wind speed or direction, the operator is always in control of jib luffing.
- ▶ **Maximum jobsite safety:** the hydraulic cylinder is equipped with load sensing control that automatically adjusts luffing speed compared to the load.
- ▶ **Level load:** Auto-levelling function holds the load level during jib luffing, offering precise load placement.

### FASTER ERECTION. Quickly ready for work

- ▶ **Few components to be lifted**
- ▶ **Main assembly completed on the ground**  
With no luffing winch and rope, only a few lifts are necessary to complete crane assembly. The complete hydraulic section with gear and structure comes in one piece. The full counter-jib is quickly assembled on the ground and positioned on the crane as a single unit. The jib, along with hoisting winch and complete rope path, can also be easily assembled on the ground instead of at tower height, resulting in faster and safer crane assembly. Crane component dismantling is complete in a similar fashion, simplifying the process.



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# CTLH 192-12

## Hydraulic Luffing Jib Tower Crane



### OPTIMIZED TRANSPORT.

#### Reduce costs and save time

Since main preassembly completed at the factory, transportation is simplified.

All crane components are equipped with suspension brackets for quick loading and unloading, and the crane has been designed for transport in containers or on standard trailers.

### HASSLE-FREE OPERATION.

#### Minimize downtime

- ▶ **Reduced maintenance** compared to traditional luffing jib cranes.
- ▶ **High hydraulic component reliability.** The main and auxiliary hydraulic systems ensure crane operation in any condition.
- ▶ **Dedicated oil cooling/heating system** to ensure reliable operation, regardless of ambient temperatures. Low-temperature oil is available when operating in extreme cold environments reaching  $-25^{\circ}\text{C}$  ( $-13^{\circ}\text{F}$ ).
- ▶ **Consistent ballast configuration** for all jib lengths. Ballast changes are not necessary when changing jib length.
- ▶ **Silent operation.** Fully insulated control board and low-noise hydraulic gear.



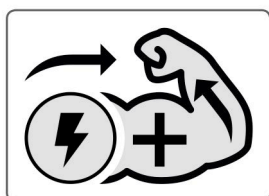
# A FULLY EQUIPPED SOLUTION FOR HIGH-RISE JOBSITES

## ADVANCED ELECTRONIC CONTROL

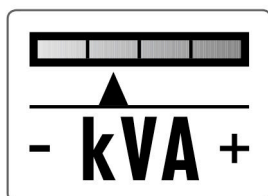
Advanced electronics ensure precise crane control, provide instant operating data and simplify crane setup to reduce installation time at the jobsite.

Electronic control offers these standard functions:

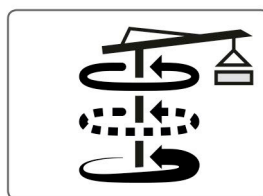
- ▶ **Terex Power Plus (TPP).** Boosts operating capacity by an extra 10% when needed.
- ▶ **Terex Power Match (TPM).** Lowers energy consumption at the jobsite.
- ▶ **Anti-Collision / Zoning system ready.** Ideal for multiple cranes jobsites.
- ▶ **Auto-levelling.** Holds the load level during jib luffing movement for accurate load placement.
- ▶ **T-Torque slewing technology.** Better control over crane slewing with customizable settings.



Terex Power Plus



Terex Power Match



T-Torque slewing

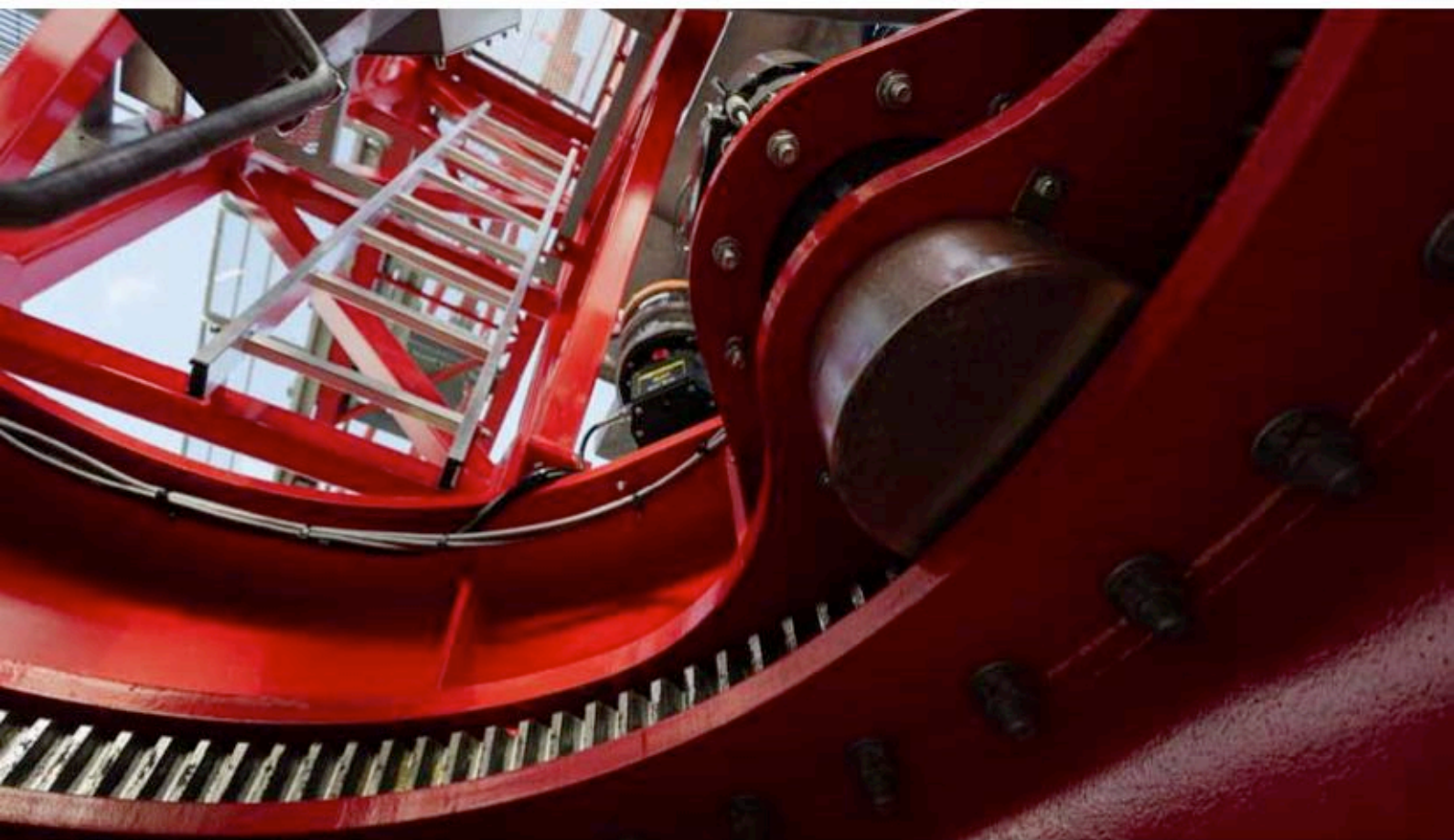
## T-LINK TELEMATIC PLATFORM

The optional T-Link Telematic Platform allows companies to remotely access fleet operating data anytime, anywhere via an Internet connection to optimize efficiency and reduce costs. A wide range of real-time data and a variety of fault-codes are reported to assess fleet performance.



# CTLH 192-12

## Hydraulic Luffing Jib Tower Crane



### T-TORQUE SLEWING TECHNOLOGY

- ▶ **Customizable settings**
- ▶ **Adjust the responsiveness of the crane to the operator preferences or load and wind**
- ▶ **Smoother movements or prompt reaction**
- ▶ **Extremely accurate control**

Inverter technology with torque control applied directly to the slewing motors gives the operator better control over crane movements. It allows the operator to customize gear speed, acceleration and the counter-manoeuve, based on operating conditions like load type or wind status.

The crane immediately responds to the operator's command, and jib slewing can be adjusted to smoother or more powerful, giving the operator accurate control of load handling and positioning, critical on congested jobsites.



# A FULLY EQUIPPED SOLUTION FOR HIGH-RISE JOBSITES

## S-SPACE CABIN. EXCELLENT COMFORT AND VISIBILITY

The ergonomic S-Pace cab provides unmatched comfort over long hours on the job.

Wide glass panels, protected by side bars, ensure excellent visibility; multifunction joysticks and the 7" touch screen color display provide simplified crane control and monitoring.

The adjustable slewing seat and built-in heating and air conditioning system keep operators comfortable, productive and focused on their work to maintain safety.

## FLEXIBLE JIB, TOWER AND CHASSIS CONFIGURATION

Jib length ranges from 25-55 m (82-180 ft), built in 5 m (16.4 ft) increments. Jib length can be quickly and easily changed at the jobsite.

The CTLH 192-12 is compatible with HD23, TS23, TS21 and H20 main towers, with tower sections from 2,0-2,3 m (6.6-7.5 ft). Transfer tower mast sections are also available, making it possible to construct the tower with different tower sections. You can more efficiently use your inventory to maximize your investment.

Several base options are available, including foundation anchors, stationary undercarriage and travelling undercarriage with different base sizes.

Free-standing, internal and external climbing tower configurations are available to meet site needs.






















The crane is capable of single, 2-fall or 3-fall operation with the same hook block, with fast and easy changes between operation modes. An optional light hoist block is also available for single-fall operation, further improving hoisting capacity by 200 kg (441 lb).
























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# CRANE SPECIFICATIONS

## LOAD DIAGRAM

				25 m	30 m	35 m	40 m	45 m	50 m	55 m
	4 t →	30,98 m	t	4,00	4,00	3,50	3,02	2,64	2,35	2,10
	8 t →	16,37 m	t	5,10	4,18	3,53	3,04	2,66	2,35	2,10
	10 t →	12,89 m	t	4,94	4,04	3,40	2,92	2,54	2,25	2,00
	4 t →	41,95 m	t	4,00	4,00	4,00	4,00	3,71	3,30	
	8 t →	21,43 m	t	6,80	5,60	4,74	4,10	3,60	3,20	
	12 t →	14,26 m	t	6,65	5,47	4,62	3,99	3,49	3,10	
	4 t →	45,00 m	t	4,00	4,00	4,00	4,00	4,00		
	8 t →	25,18 m	t	8,00	6,65	5,64	4,89	4,30		
	12 t →	16,81 m	t	7,92	6,53	5,53	4,78	4,20		
	4 t →	40,00 m	t	4,00	4,00	4,00	4,00			
	8 t →	27,14 m	t	8,00	7,20	6,11	5,30			
	12 t →	18,15 m	t	8,59	7,08	6,01	5,20			
	4 t →	35,00 m	t	4,00	4,00	4,00				
	8 t →	29,58 m	t	8,00	7,88	6,70				
	12 t →	19,82 m	t	9,42	7,78	6,60				
	4 t →	30,00 m	t	4,00	4,00					
	8 t →	30,00 m	t	8,00	8,00					
	12 t →	21,81 m	t	10,41	8,60					
	4 t →	25,00 m	t	4,00						
	8 t →	25,00 m	t	8,00						
	12 t →	20,98 m	t	10,00						

## TEREX POWER PLUS

				25 m	30 m	35 m	40 m	45 m	50 m	55 m
	4 t →	34,07 m	t	4,00	4,00	3,89	3,36	2,94	2,61	2,35
	8 t →	18,01 m	t	5,65	4,64	3,92	3,38	2,96	2,63	2,35
	10 t →	14,18 m	t	5,48	4,49	3,79	3,26	2,84	2,51	2,25
	4 t →	46,15 m	t	4,00	4,00	4,00	4,00	4,00	3,67	
	8 t →	23,57 m	t	7,52	6,20	5,26	4,55	4,00	3,56	
	12 t →	15,68 m	t	7,36	6,06	5,13	4,43	3,89	3,46	
	4 t →	49,50 m	t	4,00	4,00	4,00	4,00	4,00		
	8 t →	27,70 m	t	8,00	7,36	6,25	5,42	4,77		
	12 t →	18,49 m	t	8,76	7,22	6,13	5,30	4,67		
	4 t →	44,00 m	t	4,00	4,00	4,00	4,00			
	8 t →	29,86 m	t	8,00	7,96	6,77	5,87			
	12 t →	19,97 m	t	9,49	7,84	6,65	5,77			
	4 t →	38,50 m	t	4,00	4,00	4,00				
	8 t →	32,54 m	t	8,00	8,00	7,41				
	12 t →	21,80 m	t	10,41	8,60	7,31				
	4 t →	33,00 m	t	4,00	4,00					
	8 t →	33,00 m	t	8,00	8,00					
	12 t →	23,99 m	t	11,50	9,51					
	4 t →	27,50 m	t	4,00						
	8 t →	27,50 m	t	8,00						
	12 t →	23,08 m	t	11,05						

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