

























Toplift 25

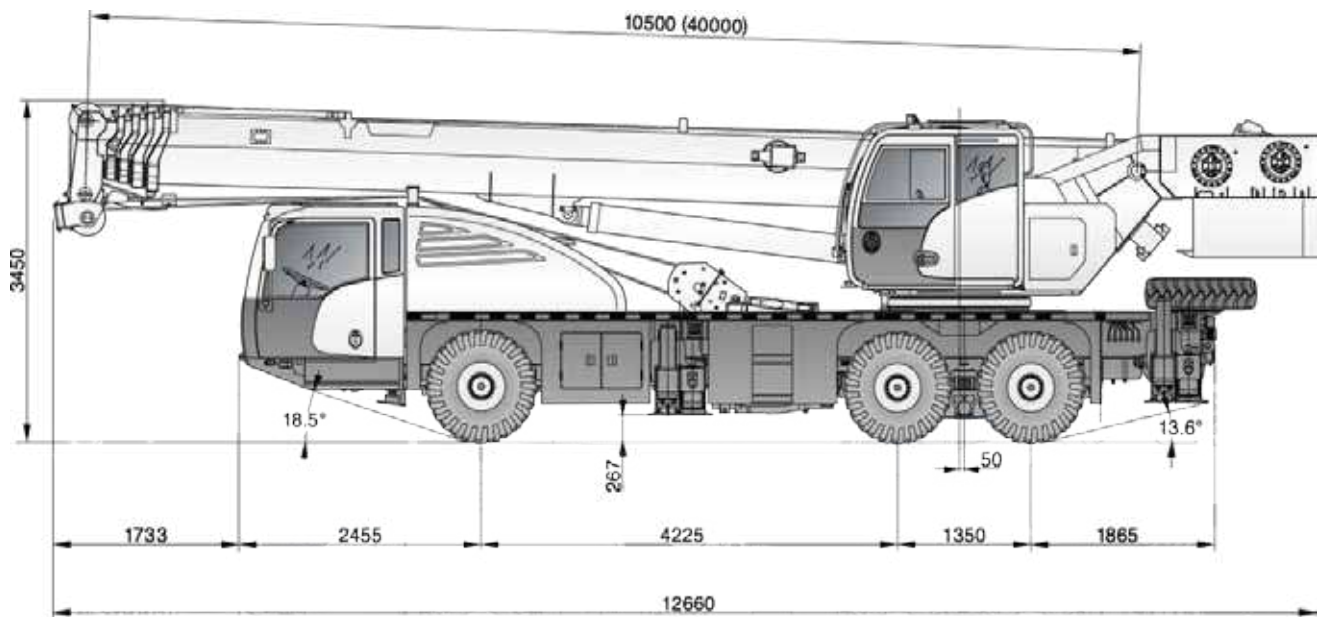
PRELIMINARY



WORKS FOR YOU.™

	Page:
Key	
.....	3
Dimensions and Specifications	
Crane Dimensions	4
Specifications	5
Range Diagram	6
Load Charts	
.....	7
Technical Descriptions	
Lifting Capacity	8
Boom and Components	8
Jib	8
Winch Performance	9
Crane Boom Function Speeds	9
Outrigger Function Speeds	9
Outrigger Controls	9
Engine and Transmission	10
Hydraulics	10
Chassis and Components	11
Driver Cab	11
Operator Cab	11

	Counterweight		Main hoist
	Outrigger		Auxiliary hoist
	Radius		Hoist speed
	Main boom		Cab
	Boom length		Engine
	Boom with extension		Steering
	Boom angle		Travel speed
	Tip height		Hydraulics
	Hook block		Transmission
	Slewing / Allowable swinging range		Load limiter / Load indicator
	Working speeds		Air conditioning / Cab heating
	Working temperature		Gradeability – road



Crane Weights

Gross vehicle weight (GVW)	32,890 kg
----------------------------	-----------

Axle Loads

Steering axle (axle 1)	7,500 kg
Drive axles (axle 2 and 3)	25,390 kg

Ground Clearances

Minimum ground clearance	267 mm
Ramp angle	15.9°
Approach angle	18.5°
Departure angle	13.6°

Wheel Base

Distance between axle 1 and 2	4,225 mm
Distance between axle 2 and 3	1,350 mm

Wheel Track

Axle 1	2,069 mm
Axle 2 and 3	1,830 mm

Outrigger Dimensions

Longitudinal span	5,030 mm
Transverse span	6,100 mm

Outrigger Forces

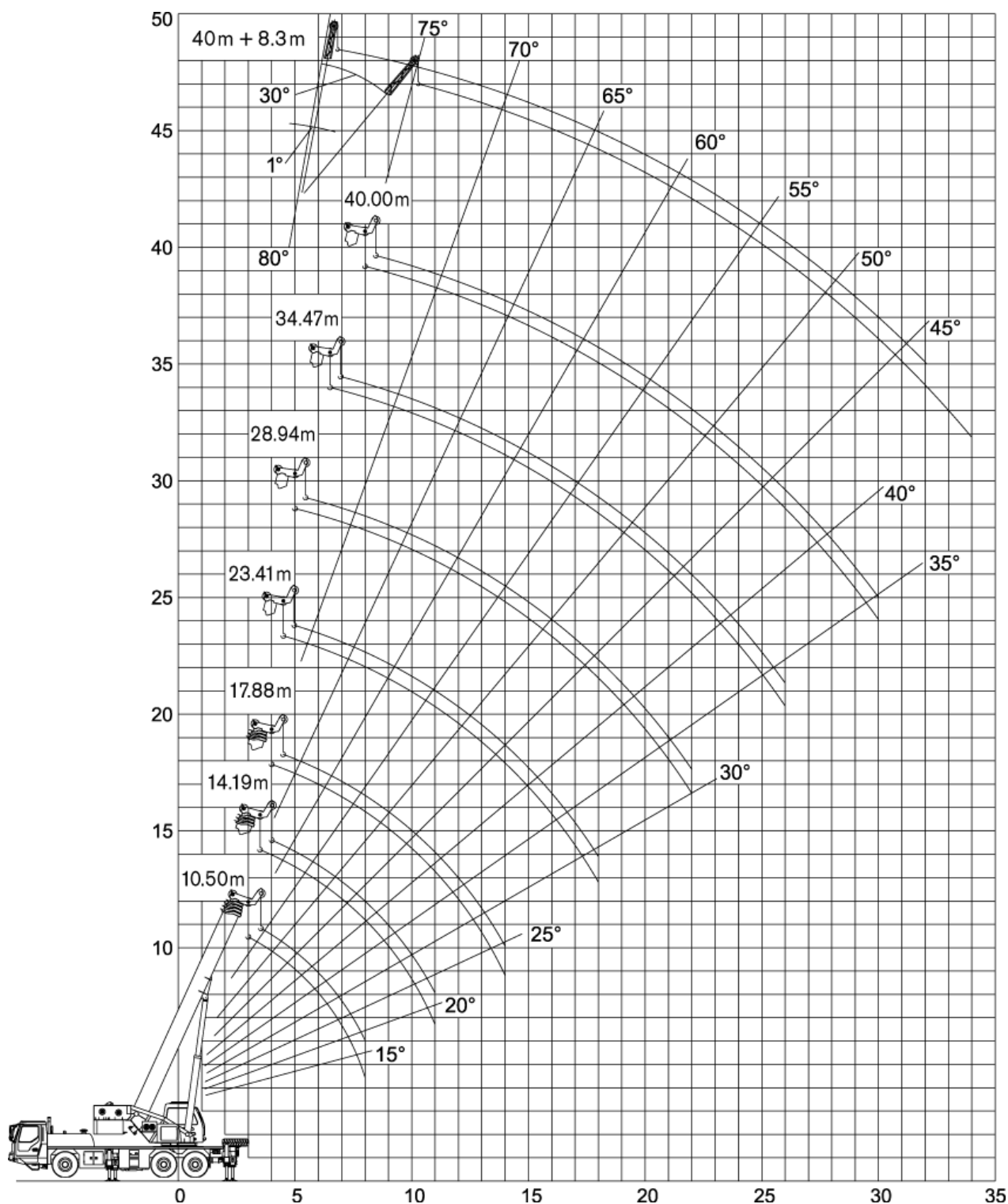
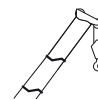
Maximum counterforce	264 kN
----------------------	--------





Overall Dimensions

(Length x Width x Height)	12.66 m x 2.50 m x 3.45 m
---------------------------	---------------------------

RANGE DIAGRAM

Toplift 25



Fully extended (100 %)								 360°		
Main boom								 Boom angle	Boom + Jib 40.00 m + 8.30 m	
Boom length									Jib angle	
	10.50 m	14.19 m	17.88 m	23.41 m	28.94 m	34.47 m	40.00 m		1°	30°
m	kg							°		
3	25000	-	-	-	-	-	-	80	3000	1900
3.5	25000	23000	-	-	-	-	-	78	2850	1900
4	24500	22000	18000	-	-	-	-	76	2850	1800
4.5	22000	20500	17000	12000	-	-	-	74	2800	1750
5	20000	19000	15700	12000	10000	-	-	72	2700	1700
5.5	18000	17700	14700	11500	9500	-	-	70	2600	1600
6	16000	16000	13700	10900	9000	-	-	68	2450	1500
6.5	14200	14000	12800	10400	8500	7000	-	66	2200	1420
7	12900	12700	12000	9800	8000	6800	-	64	2000	1350
8	11000	10900	10600	8800	7600	6300	5500	62	1750	1280
9	-	8900	8800	8000	6800	5800	5000	60	1500	1210
10	-	7200	7100	7300	6200	5300	4800	58	1280	1100
11	-	6000	5800	6600	5700	4900	4500	56	1080	960
12	-	-	4850	5500	5250	4500	4150	54	920	850
13	-	-	4100	4800	4900	4200	3850	52	760	700
14	-	-	3450	4100	4500	3950	3580	50	600	550
15	-	-	-	3500	3950	3700	3350	45	290	260
16	-	-	-	3050	3450	3350	3150	-	-	-
18	-	-	-	2280	2500	2750	2750	-	-	-
20	-	-	-	-	2050	2200	2300	-	-	-
22	-	-	-	-	1550	1700	1850	-	-	-
24	-	-	-	-	-	1400	1450	-	-	-
26	-	-	-	-	-	1060	1150	-	-	-
28	-	-	-	-	-	-	900	-	-	-
30	-	-	-	-	-	-	700	-	-	-
Parts of Line	8	8	6	5	4	3	3		1	1
min. 	0°	0°	0°	0°	25°	35°	36°		45°	45°

Notes

The values in table are rated lifting capacities of crane on solid ground and in a level state. The working radius in the table are actual radius after load lifting. While lifting with boom length of 10.25 m each section must be fully retracted.

The tabulated load ratings includes weight of hooks, main hook is 300 kg and auxiliary hook is 70 kg. While the jib is in extension state the rated load capacity lifted by main boom must be reduced by 400 kg.

When the main hook is at the head of main boom: lifting with jib, the lifting capacities of jib must be reduced by 300 kg; When working with head pulley, the rated lifting capacities at each section must be reduced by 300 kg, but max. lifting capacities is 3000 kg; Using main hook when auxiliary hook at the head of pulley of the boom tip, the rated lifting weight of each part of lifting boom should be reduced by 70 kg.

When the fifth outrigger is not in use, no lifting in front of 120° range. On the fifth outrigger, according to the tabulated rated lifting capacities in 360° range.




If the boom length exceeds the specified values, comparing it's capacities with the next longer one's, the load to the lift will be with in the smaller one's.

The bottom column in the table lists all min. boom angle of elevation in various boom length. Elevating the boom below the corresponding min. angle of elevation is strictly for bidden.



Lifting Capacity

	Maximum rated capacity for main hook	25 t
	Maximum rated capacity for auxiliary hook	3 t
	Maximum load moment	980 kN.m





Boom and Components

	Profile	Octagon
	Number of sections	5
	Base boom length	10.50 m
	Base boom maximum lift height	10.57 m
	Base boom maximum working radius	8 m
	Fully extended boom length	40 m
	Fully extended boom maximum lift height	40 m
	Fully extended boom maximum working radius	30 m

Jib

	Length of fully extended boom and fully extended jib	48.3 m
	Fully extended boom maximum lift height with jib	49.23 m
	Fully extended boom maximum working radius with jib	34.6 m
	Slewing speed	0 - 2.0 rpm



Winch Performance

		Main hoist – 3rd layer – single rope speed	0-125 m/min
		Auxiliary hoist – 2nd layer – single rope speed	0-125 m/min



Crane Boom Function Speeds

	Elevation – up	50 sec
	Elevation – down	50 sec
	Full extension	90 sec
	Full retract	90 sec



Outrigger Function Speeds

		Simultaneous full extension	50 sec
		Simultaneous full retract	60 sec

Outrigger Controls

	Dual outrigger controls – LH and RH side	Dual control
	Ambient working temperature	-20 °C – +40 °C

Engine and Transmission

	Weichai power	WP7.300E30
	Emission compliance	National Exhaust Standard III
	Number of cylinders	6
	Aspiration	Turbocharged
	Rated power	220 kW @ 2300 rpm
	Maximum torque	1100 Nm @ 1200 – 1600 rpm
	Estimated fuel consumption per 100 km	36 L
	Fuel type	Diesel
	Fuel tank capacity	270 L
	Lowest start temperature	-30 °C
	Dual intermediate shaft synchronizer gearbox	Synchronized shift

Hydraulics

	Load sensing hydraulic system	Load sensing
	Combined system with dual pump	Double pump
	Choice of hydraulic controls: Pilot actuated multi-axis joystick controls	Pilot joystick

Chassis and Components

	Axle drive system	6 x 4
	Fifth outrigger for 360° boom operation	Fifth outrigger
	Minimum turning radius	10 m
	Maximum gradeability	35 %
	Maximum traveling speed	80 km/h

Driver Cab

	Adjustable driver seat	
	Adjustable steering wheel	
	Airconditioner and heater	

Operator Cab

	Adjustable seat	
	Load moment limiter display	
	Airconditioner and heater	

Effective Date: February 2013. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex® is a registered trademark of Terex Corporation in the USA and many other countries.

Copyright 2013 Terex Corporation

Terex Cranes, Global Marketing, Dinglerstraße 24, 66482 Zweibrücken, Germany
Tel. +49 (0) 6332 830, Email: info.cranes@terex.com, www.terexcranes.com



www.terexcranes.com

Brochure Reference: TC-DS-M-E-Toplift 25 - 02.13



WORKS FOR YOU.™

Courtesy of Crane.Market