

Technical details

11 650 001

WT 650i on MAN TGS 41.480 8x8 BB

General device details

Working height	min.	65 m
Hight of basket bottom	min.	63 m
Max. sideways reach (at 100 kg to max. 500 kg nominal load) (max. basket load; 0° set-up inclination; basket straight; basket edge + 50 cm)		27,00 m
After any oil change, repair works to the lifting boom cylinder or its valves it is necessary to check the outreach!		
Maximum basket swivel capacity	min.	2x45 °
First front axle	max.	7,55 t
Second front axle	max.	7,85 t
Permitted gross weight of the vehicle	max.	44,00 t
Weight when delivered (without driver)	max.	35,60 t

Base frame

Angle of driving slope		11 °
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Main dimensions in transport position

Clearance height	max.	4,20 m
Length, overall (in driving mode)	max.	13,68 m
Width, overall (in driving mode)	max.	2,55 m
Length of rear overhang	max.	2,65 m
Length of front overhang	max.	2,40 m

Outrigger

Maximum permissible inclination	max.	1 °
Stabilizer outriggers	Positions	2
Stabilisation width: (base plate outside edge)		
outriggers extended on both sides fully extended (full stabilisation width), working mode	max.	8,34 m
outriggers extended on one side (right or left) (supported wide on one side; opposite side within the contour)	max.	5,45 m
outriggers within the contour of the vehicle, fully withdrawn (stabilisers within the contour of the vehicle, only for maintenance)		2,50 m

Rotary table

Slewing range of rotary table	ca.	540 °
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Lifting boom

Biggest lifting boom angle		82 °
Telescopic system	Telescopic pipes max.	5 °

Upper boom

Dielectric strength (acc. to high-voltage test certificate under ANSI 92.2, 2009 category A)		500 kV
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Basket

Load in basket (nominal load)		500 kg
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Material handler in basket

Additional load in basket		250 kg
+ material handler 1 or		250 kg
+ material handler 2		100 kg

Electrical system

Vehicle (board voltage)		24 DC V
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Working times (approx. rates)

(Lifting boom set up)

Telescope in or out	ca.	120/120 +/- 5s
Basket boom telescope in or out	ca.	20/20 +/- 2s
Basket boom up or down	ca.	58/58 +/- 2s
(Lifting boom telescope in)		
Turn to right or left (90 °)	ca.	40/40 +/- 2s
Lifting boom up or down (40 °)	ca.	35/35 +/- 2s

Hydraulic system

Max. operating pressure		225 + 5 bar
Mineral oil, only hydraulic system, type:		AVIA Fluid HLPD 22

A-rated sound power level	(tested according to 2000/14 EC)	104 dB (A)
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