

340-105

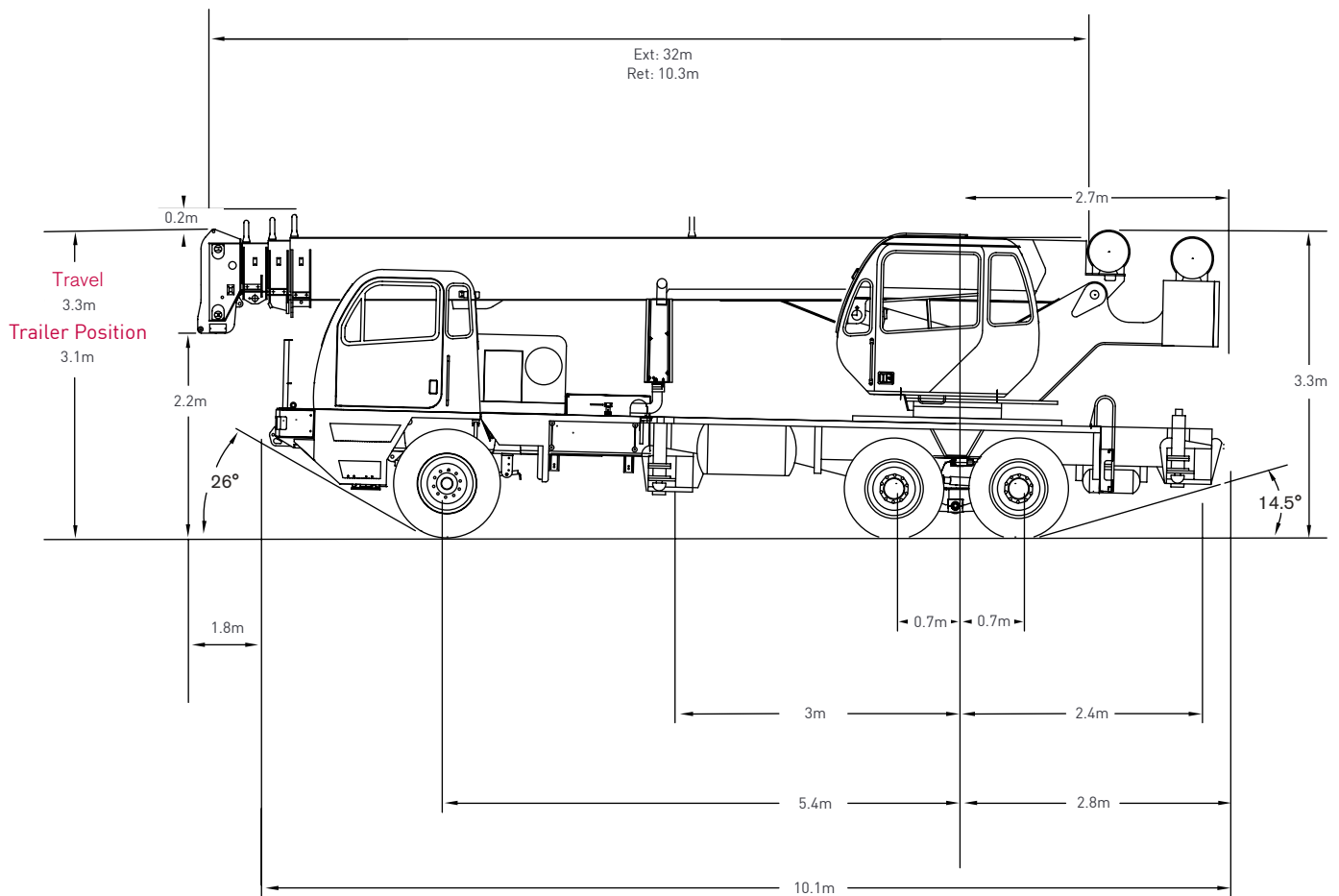


Features: 340-105

- 36.3t @ 2.5m
- 32m maximum boom length
- 34.4m maximum tip height
- Engine power 224 kw
- Electronic rated capacity indicator
- Quick reeve boom head
- Optional 9.7m - 14.9m offsettable jib

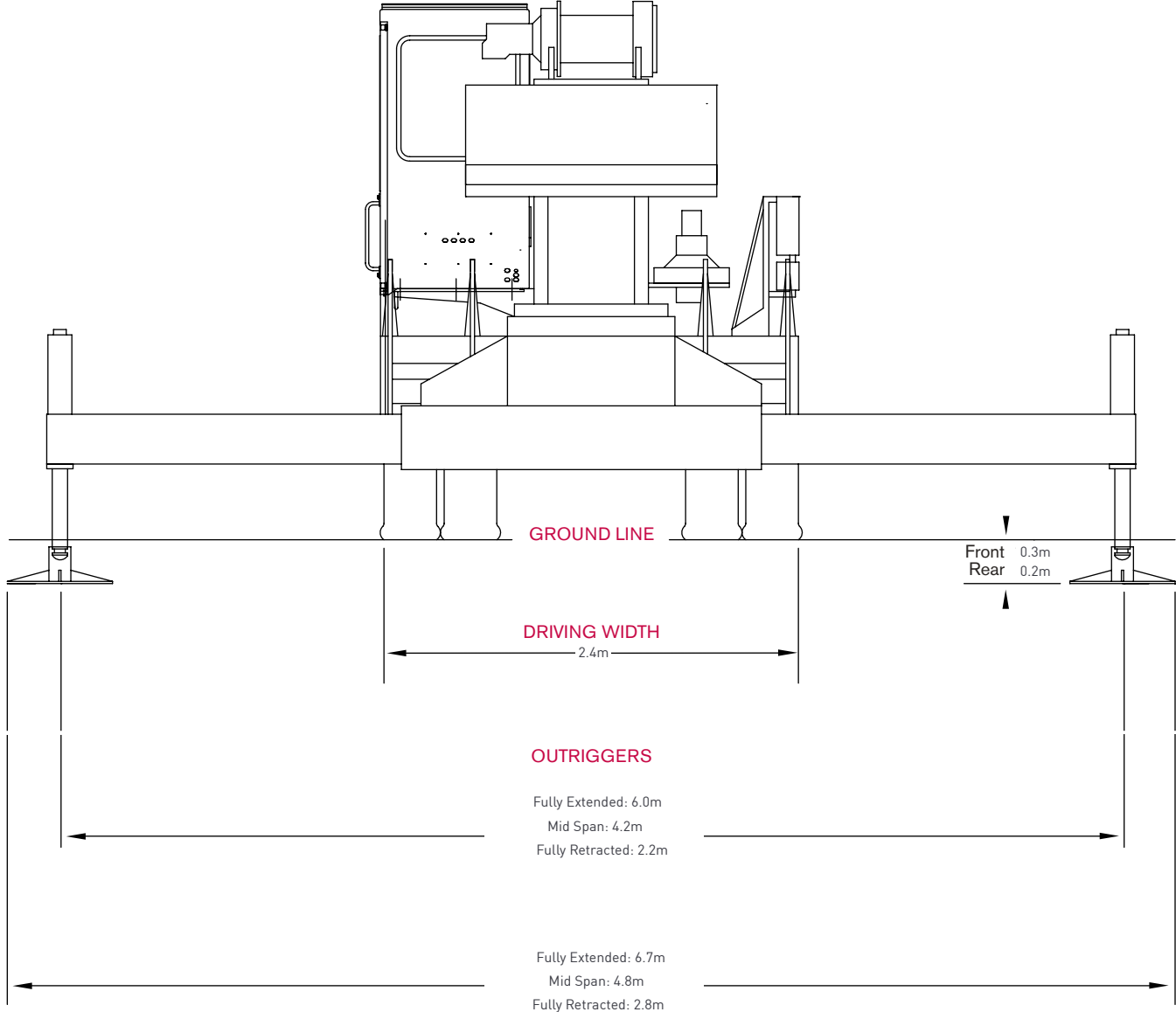
CRANE DIMENSIONS

340-105



CRANE DIMENSIONS

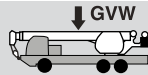
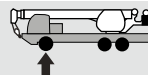
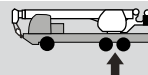
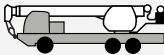









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SPECIFICATIONS

340-105

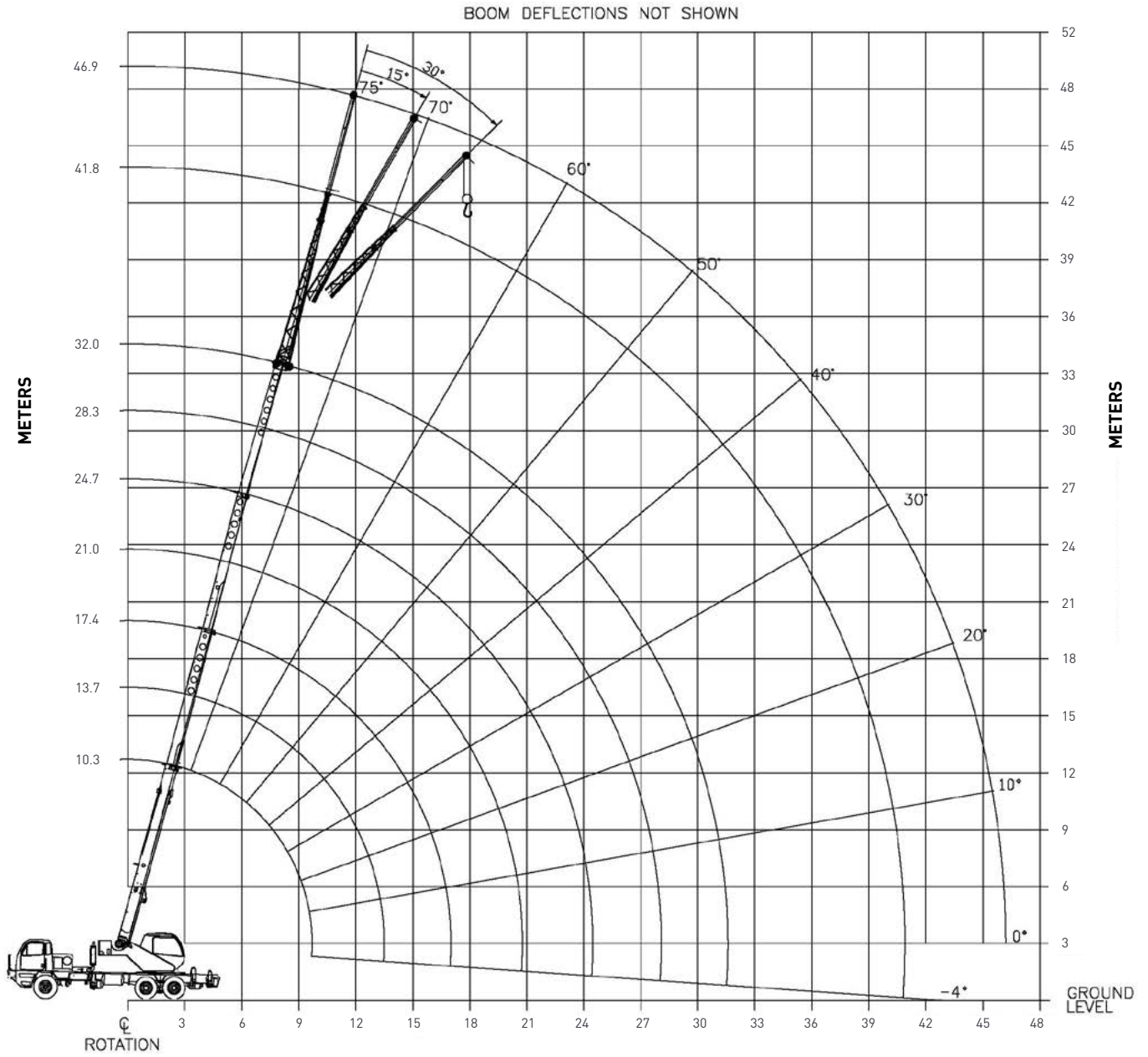
Approximate Crane Weights

Boom in front travel position		 Gross Vehicle	 Front max. 9,979 kg	 Rear max. 20,412 kg
Configurations:	340-105 1/4 tank fuel 200 lb operator seated in cab Front tires: 425/65 R22.5 Rear tires: 11R22 32m boom/no jib 4,990 kg total counterweight	27,240 kg	7,491 kg	19,749 kg
				
Add options				
	Full tank of fuel	+ 142	+ 54	+ 88
	Heater/defroster in upper cab	+ 27	- 2	+ 25
	Auxiliary hoist with drum roller and wire rope	+ 79	- 112	+ 191
	Electric remote control	+ 91	+ 45	+ 45
	32 ft swing-on jib	+ 620	+ 507	+ 113
	32 ft to 49 ft extendable swing-on jib	+ 811	+ 609	+ 202
	Auxiliary boom head	+ 45	+ 77	- 32
	40 USt hook block on bumper	+ 313	+ 441	- 128
	7 USt hook and ball at bottom rack	+ 109	+ 66	+ 43
	12 USt hook and ball at bottom rack			
	Spin resistant wire rope (per winch)	+ 15	- 5	+ 20

RANGE DIAGRAM

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Outriggers Fully Extended









Operating radius from center line of rotation







LOAD CHART

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Outriggers Fully Extended

		 4990 kg	 5,50 x 6,10 m	 360°	ASME STANDARD B30.5				
		10,29 m	13,72 m	17,37 m	21,03 m	24,69 m	28,35 m	32,00 m	
m	t	t	t	t	t	t	t	t	m
2,75	36,30	-	-	-	-	-	-	-	2,75
3,00	29,45	21,05	-	-	-	-	-	-	3,00
3,50	27,00	21,05	-	-	-	-	-	-	3,50
4,00	24,95	21,05	21,05	-	-	-	-	-	4,00
4,50	23,20	21,05	20,40	19,00	-	-	-	-	4,50
5,00	21,75	20,10	18,95	18,15	-	-	-	-	5,00
6,00	17,75	17,80	16,70	15,95	14,05	-	-	-	6,00
8,00	12,15	12,60	12,85	12,85	11,35	10,25	-	-	8,00
10,00	-	8,60	8,85	9,00	9,10	8,45	7,75	-	10,00
12,00	-	5,95	6,30	6,40	6,50	6,55	6,60	-	12,00
14,00	-	-	4,65	4,75	4,85	4,90	4,95	-	14,00
16,00	-	-	3,40	3,65	3,75	3,80	3,85	-	16,00
18,00	-	-	-	2,80	2,90	2,95	3,00	-	18,00
20,00	-	-	-	-	2,25	2,30	2,35	-	20,00
22,00	-	-	-	-	1,70	1,80	1,85	-	22,00
24,00	-	-	-	-	-	1,40	1,45	-	24,00
26,00	-	-	-	-	-	1,05	1,10	-	26,00
28,00	-	-	-	-	-	-	0,80	-	28,00
30,00	-	-	-	-	-	-	0,55	-	30,00

Outriggers Fully Retracted

		 4990 kg	 5,50 x 2,20 m	 360°	ASME STANDARD B30.5				
		10,29 m	13,72 m	17,37 m	21,03 m	24,69 m	28,35 m	32,00 m	
m	t	t	t	t	t	t	t	t	m
3,00	17,00	17,40	-	-	-	-	-	-	3,00
3,50	12,80	13,15	-	-	-	-	-	-	3,50
4,00	10,00	10,40	10,60	-	-	-	-	-	4,00
4,50	8,05	8,40	8,65	8,75	-	-	-	-	4,50
5,00	6,55	6,95	7,15	7,30	-	-	-	-	5,00
6,00	4,50	4,95	5,15	5,25	5,35	-	-	-	6,00
8,00	2,15	2,60	2,85	2,95	3,05	3,10	-	-	8,00
10,00	-	1,30	1,55	1,70	1,75	1,85	1,85	-	10,00
12,00	-	0,40	0,70	0,85	0,95	1,05	1,05	-	12,00
14,00	-	-	-	-	0,40	0,45	0,50	-	14,00

Notes to lifting capacity









Lifting capacities do not exceed 85% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult operation manual for further details.









Note: Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and operation manual both supplied with the crane.

LOAD CHART



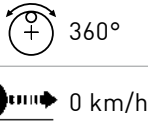
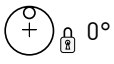
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With Offset Jib

		 4990 kg	 5,50 x 6,10 m	 360°	ASME STANDARD B30.5
 9,75 m					
 0°		 15°		 30°	
m	t	m	t	m	t
13,1	4,15	15,5	4,30	17,4	2,95
14,3	3,95	16,8	4,05	18,6	2,85
15,5	3,80	18,0	3,55	19,8	2,80
17,1	3,45	19,5	2,85	21,3	2,70
18,9	2,75	21,0	2,35	22,9	2,25
20,7	2,25	22,9	2,00	24,4	1,90
22,6	1,85	24,7	1,70	25,9	1,55
24,4	1,40	26,5	1,35	27,7	1,25
26,5	1,10	28,3	1,00	29,6	1,00
28,7	0,85	30,2	0,80	31,1	0,75
30,8	0,65	32,0	0,60	32,6	0,60
32,9	0,40	34,1	0,40	34,4	0,40

		 4990 kg	 5,50 x 6,10 m	 360°	ASME STANDARD B30.5
 14,94 m					
 0°		 15°		 30°	
m	t	m	t	m	t
14,3	2,25	17,4	1,50	20,1	1,20
15,8	2,10	19,2	1,45	21,6	1,15
17,7	2,00	21,0	1,40	23,2	1,15
19,8	1,80	23,2	1,30	25,0	1,10
21,9	1,70	25,3	1,25	27,1	1,05
24,1	1,55	27,1	1,20	29,0	1,05
26,2	1,45	29,0	1,15	30,8	1,00
28,3	1,20	31,1	1,10	32,6	1,00
30,8	0,90	32,9	0,85	34,4	0,75
32,9	0,70	34,7	0,65	36,3	0,55
35,1	0,50	36,6	0,45	38,1	0,40
37,2	0,30				

On Tires

		 4990 kg	ASME STANDARD B30.5
 0 km/h		 0°	
m	m	t	t
3,0	10,29	10,05	6,90
3,5	10,29	7,65	6,25
4,0	13,72	6,65	5,75
4,5	13,72	5,85	5,30
5,0	13,72	5,10	4,90
6,0	13,72	3,95	3,95
8,0	17,37	2,30	2,30
10,0	17,37	1,35	1,35
12,0	17,37	0,75	0,75
14,0	17,37	0,35	0,35

Notes to lifting capacity

Lifting capacities do not exceed 85% of tipping load, (75% of tipping load on tires). Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult operation manual for further details.








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

TECHNICAL DESCRIPTION

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Boom

Standard configuration:		
	Full power extension via foot pedal control	4 sections
	Minimum / Maximum	10.3m / 32m
	Maximum tip height	34.4m
	Boom elevation angle range (min. / max.)	-4° / 88°
Optional configuration:		
	9.7m swing-on jib, fixed length	
	Angular offsets	0°, 15°, 30°
	Maximum tip height with fixed jib	44.2m
	9.7 - 14.9m swing-on two piece jib	
	Angular offsets	0°, 15°, 30°
	Maximum tip height with extended jib	49.4m
	3 or 4 metallic load sheaves Quick reeving design	
	Auxillary Head Installs only on main boom head, compatible with extendable and fixed swing-on jibs	
	2 sheave	22.7t
	3 sheave	27.2t
	4 sheave Quick reeving design	36.3t
	Top swivel ball with hook and latch	6.3t or 10.9t

Main and Aux Hoist, Rope and Hook

Standard configuration:		
	Two speed ratios	
	1st layer without load (low range / high range) 5th layer without load (low range / high range)	50.9m/min / 102.1m/min 73.8m/min / 148m/min
	Maximum line pull	
	1st layer (low speed/ high speed) 5th layer (low speed/ high speed)	7,094 kg / 3,310 kg 4,911 kg / 2,293 kg
	Permissible line pull	4,000 kg
	6x19 IWRC XIPS	
	Rope diameter	16mm
	Maximum usable	138.7m

Cab, Controls, Operator aids and Load limiter / Load indicator

Standard configuration:



Upper cab:

- Sliding door
- Sliding window on the right side
- Tilting, tinted glass skylight
- Removable front windshield
- Six-way adjustable seat with armrest dual-axis electro-proportional joysticks
- Joystick control for hoist(s), swing and boom elevation
- Foot pedals for swing brake, boom telescope and engine rpm
- Hand control for engine rpm

Lower cab:

- Hinged door with roll-down window
- Sliding window on the right side
- Six-way adjustable seat with seatbelt
- Cruise control
- Two speed windshield wiper with washer



Electronic rated capacity indicator with color display

Optional configuration:





Upper cab:

- Air conditioning – hydraulically powered
- Heater and air conditioning package – hydraulically powered
- Liquid Propane (LP) Cab Heater
- Single-Axis armrest mounted controls
- Work Lights
- Upper cab remote carrier control
- AM/FM radio with cassette


Lower cab:

- Jacobs engine brake

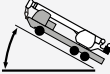

Superstructure

Standard configuration:		
	Glide swing with foot pedal actuated multi-disc brake and air actuated house lock	360°
	Hydraulic driven double planetary reduction gear drive	2.5 rpm






Tires

Standard configuration:		
	Aluminium wheels with stainless hub covers	
	Front Tires	445/65 R22.5
	Rear Tires	11 R22
Optional configuration:		
	Pusher Axle	11 R22.5

Vehicle performance

Standard configuration:		
	Theoretical maximum grade	
	Manual transmission	56%
	Automatic transmission	64%
	Maximum speed	96 kph

Carrier, Engine and Drive-line

Standard configuration:	
	Turn radius to centerline of tires 10.4m
	Axle drive system 6 x 4 drive Air brakes with ABS, Air release / spring set
	Front axle maximum capacity 10t Rear axle maximum capacity 20.4t Walking beam with air bags and shock absorbers Front and rear
	Engine and transmission, EPA 2017 compliant, CARB 2017 certified Cummins L-9 Intake: Turbocharger with intercooler Rated power 8.9 L / 224kw @ 2,000 rpm Eaton Fuller 10-speed manual transmission Fuel type: Ultra low sulfur diesel
	Fuel tank capacity 227L
	Voltage 12 VDC 2 Batteries 1,000 CCA each Alternator 130 amp
Optional configuration:	
	Engine Cummins QSC Tier III Intake: Turbocharger with intercooler Rated power 8.3 L / 205kw @ 2,000 rpm Fuel type: Diesel
	Transmission Allison 7-speed automatic transmission with lock-up torque converter

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