Preliminary

EN

MHL 380

245 kW | 220 kW | 68.0–71.8 t | max. 22.0 m

FUCHS®
A TEREX BRAND

TECHNICAL DATA

Operating Weight without Attachments

MHL380 F	68.0–71.8 t

Diesel Engine

	EU Stage V/ U.S. Tier 4	EU Stage IIIA/ U.S. Tier 3*
Manufacturer and model	Deutz TCD 7.8 L6	Deutz TCD 7.8 L6
Design	6-cylinder in-line engine	6-cylinder in-line engine
Functionality	4-stroke diesel, common rail direct injection, turbocharged with intercooler, controlled exhaust gas recirculation, diesel particulate filter with continuous regeneration and SCR catalytic converter	4-stroke diesel, common rail direct injection, turbocharged with intercooler
Engine power	245 kW	245 kW
Rated speed	2,000 rpm	2,000 rpm
Displacement	7.8 l	7.8 l
Cooling system	Water and charge air cooling with temperature controlled fan speed	Water and charge air cooling with temperature controlled fan speed
Exhaust emission standard	EU Stage V/ U.S. Tier 4	EU Stage IIIA/ U.S. Tier 3*
Fuel tank	692 l Diesel	692 l Diesel
DEF / Urea tank	50 l AdBlue	□

Electric Motor

Power	220 kW
Total connected load	270 kW
Motor start	Via soft start
Optional cable reel	Up to 50 metres (other lengths on request)

Electrical System

Alternator	28 V / 100 A
Operating voltage	24 V
Battery	2 × 12 V / 110 Ah / 750 A
Lighting system	2 × LED floodlights at the front of the machine, rear parking lights and indicator lights
Optional equipment	30 kW DC generator with insulation monitoring

Travel Drive

Hydrostatic drive through infinitely variable axial piston motor and directly mounted travel brake valves, all-wheel drive

Travel speed	0–9 km/h
Gradeability	max. 25 %
Turning radius	10.6 m

Swing Drive

Slewing ring	Internally geared double row slewing ring bearing, greasing via automatic lubrication system
Drive	2-stage planetary gear with integrated multi-disc brake
Uppercarriage swing speed	0–5 rpm infinitely variable
Slewing lock	Electrically activated

* for low-regulated markets

Undercarriage

Front axle	Planetary drive axle with integrated drum brake, rigidly mounted
Rear axle	Planetary drive axle with integrated drum brake, oscillating axle with selectable oscillating lock
Outriggers	4-point stabilizers
Tyres	Solid rubber 8-ply 14.00-24

Brakes

Service brake	Hydraulically operated braking system, acting on all four wheel pairs
Parking brake	Electrically operated disc brake, acting on both axles

Hydraulic System

Max. pump capacity	1 × 560 lpm and 1 × 150 lpm (for swing drive)
Max. operating pressure	320 / 360 bar
Hydraulic oil tank	531 l
Filtration	Flow-optimized return filters, integrated in the oil tank. Filter fineness defined at a beta value ß(10) = 200 guarantees 99.5% separation of dirt particles with 10 µm. Very good separation values are already achieved with particle sizes of 3 µm. Generously dimensioned for long operating times.
Tool control	Infinitely adjustable pressures for the grab functions open, close and rotation, as well as adjustable flow for the function grab rotation via the display
Cooling system	Separated high-performance cooler with temperature-dependent fan drive

Operator's Cab

Cab	Infinitely variable hydraulic height-adjustable cabin with sliding door. Reinforced steel structure, soundproofed, heat-insulated panoramic windows for best all-round visibility, front window with roller blind, glass panel in the cabin roof with sliding blind. Heating and air conditioning, separate heat exchangers, fresh and recirculated air filters. Multifunction touch display, bottle holder, paper clip and multiple storage and mounting options. Digital radio (DAB+, USB, Bluetooth and hands-free), USB charging station 5V. Vertically adjustable cabin: viewing height of 6.14 m Vertically and horizontally adjustable cabin (option): 2.2 m forward, with max. viewing height of 6.47 m
Air conditioning	Automatic air-conditioning. Infinitely variable heating with 8-speed fan, 10 adjustable air nozzles, 3 defroster nozzles.
Operator's seat	Air-cushioned comfort seat with swinging armrests / joysticks, safety belt, lumbar support and headrest. Enables fatigue-free work due to universal adjustment options for the seat position, seat inclination and the arrangement of the seat cushion in relation to the armrests and joysticks.
Monitoring	Ergonomically arranged, glare-free Multifunction display. Automatic monitoring and storage of deviating operating states (e.g. all hydraulic oil filters, hydraulic oil temperature – coolant and charge air temperature – diesel particulate filter loading, steering), visual and audible warning. Diagnostic option for the individual sensors via the multifunction display. Rear view and side view camera on the right with separate monitor.

	EU Stage V/ U.S. Tier 4	EU Stage IIIA/ U.S. Tier 3*
Noise level	Sound power level (ambience) L_{WA} 102.7 dB(A) (metered) acc. to directive 2000/14/EC L_{WA} 104 dB(A) (guaranteed) acc. to directive 2000/14/EC	Sound power level (ambience) L_{WA} 102.9 dB(A) (metered) acc. to directive 2000/14/EC L_{WA} 104 dB(A) (guaranteed) acc. to directive 2000/14/EC
	Sound pressure level (inside the cabin) acc. to directive ISO 6396 L_{pA} 71 dB(A)	Sound pressure level (inside the cabin) acc. to directive ISO 6396 L_{pA} 70 dB(A)

Vibrations	Weighted r.m.s. value of acceleration of upper limbs: under 2.5 m/s² (98 in/s²) Weighted effective value of acceleration for the seat and feet: under 0.5 m/s² (20 in/s²)
Certified in accordance with CE regulations	

EQUIPMENT

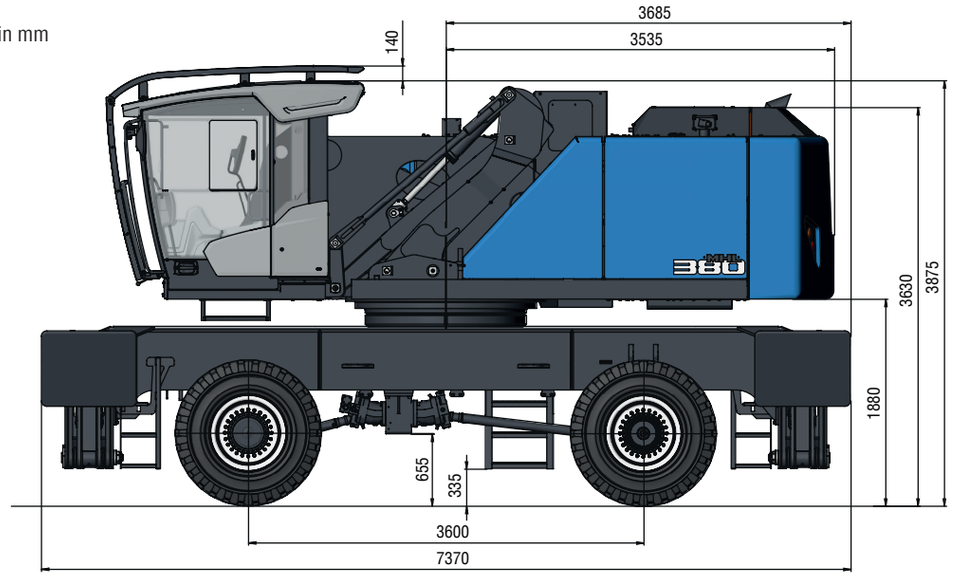
Diesel Engine	Standard	Option
Water and charge air cooler	●	
Temperature-dependent fan drive	●	
Reversible fan		●
Direct electronic fuel injection / common rail	●	
DEF injection, passive regeneration	●	
Advanced automatic idle incl. engine shut-off function	●	
ECO and Power Mode	●	
Engine preheating		●
Engine diagnostics interface	●	
Undercarriage		
All-wheel drive	●	
Disk brakes	●	
Rear axle oscillating lock	●	
4-point stabilizers	●	
Stabilizer cylinder with integrated, double-sided shut-off valves	●	
Piston rod protection for support cylinder	●	
Tool box	●	
Special paint		●
Solid rubber 8-ply 14.00-24	●	
Uppercarriage		
Separated high-performance cooling system	●	
Hydraulic oil cooler with temperature-dependent fan drive	●	
Reversible fan		●
Automatic central lubrication system	●	
Rear view camera	●	
Side view camera	●	
Travel alarm		●
Electric refuelling pump		●
Light protection		●
Special paint		●
Operator's Cab		
Vertically adjustable cabin	●	
Vertically and horizontally adjustable cabin		●
Single-pane safety glass (ESG)	●	
Cabin tinted windows (side, rear)	●	
Sliding window in cab door	●	
Cabin with penetration resistant glass front and top (classification P5A)		●
Cabin with bullet-proof glass (classification P8B)		●

Operator's Cab	Standard	Option
Windshield washer system	●	
Washing device for roof window		●
Roof window clear glass	●	
Air-cushioned operator seat with headrest, seatbelt and lumbar support	●	
Seat heating		●
Joystick steering	●	
Steering column, height and tilt adjustable		●
Air Conditioner	●	
Auxiliary heating incl. timer		●
Multi-function display	●	
Document clip	●	
FOPS Guard		●
Cabin front and top guard		●
12 V transformer		●
Digital radio (DAB+, USB, Bluetooth and hands-free system)	●	
12V socket / cigarette lighter		●
Fire extinguisher, dry powder with holder		●
Travel alarm with rotating beacon		●
Other Equipment		
30 kW DC generator		●
Close proximity range limiter for dipper stick	●	
Coolant and hydraulic oil level monitoring system	●	
Overload and working area control		●
Filtration system for attachments		●
Rupture valves for lifting cylinders	●	
Rupture valves for stick cylinders	●	
Overload warning device		●
Quick coupling on dipper stick	●	
Active cyclone prefilter		●
Hydraulic oil preheating		●
Lubrication of the grab suspension by central lubrication system	●	
LED head lights at the front of the machine	●	
LED light packages		●
Float switch		●
Tool control	●	
Fuchs Connect telematics system, incl. 5 years contract	●	

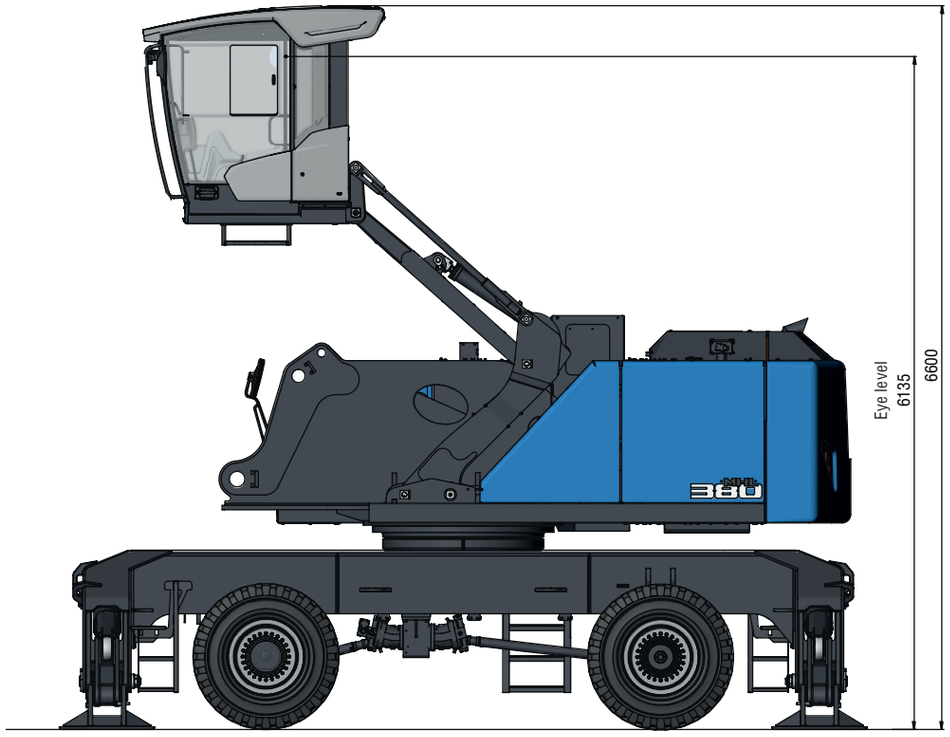
DIMENSIONS

Vertically adjustable cabin

Side view
all dimensions in mm



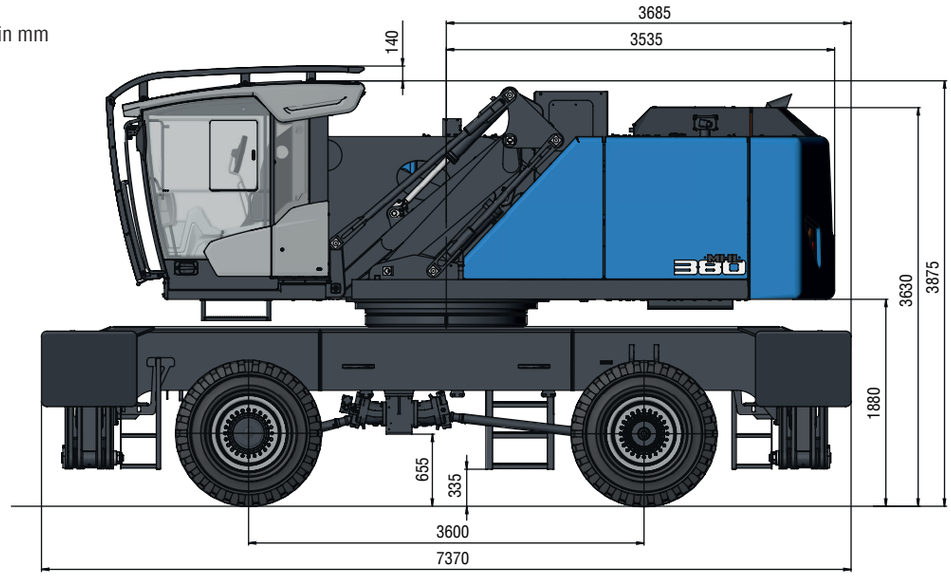
Side view
all dimensions in mm



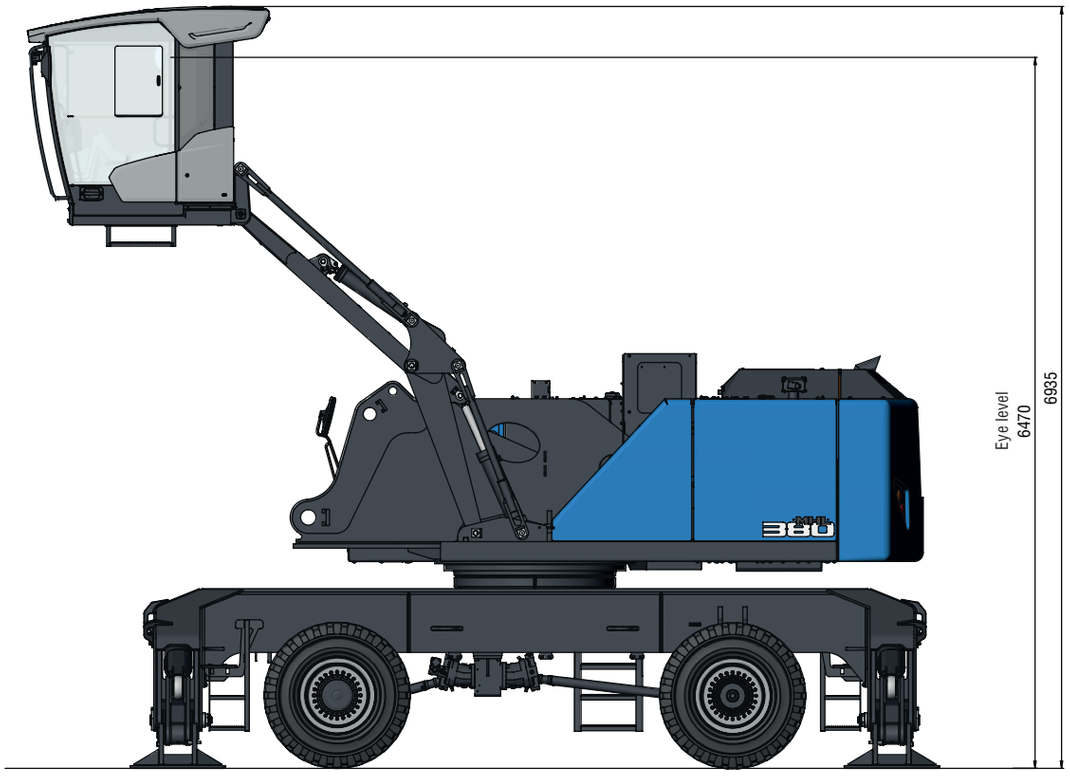
DIMENSIONS

Vertically and horizontally adjustable cabin*

Side view
all dimensions in mm



Side view
all dimensions in mm

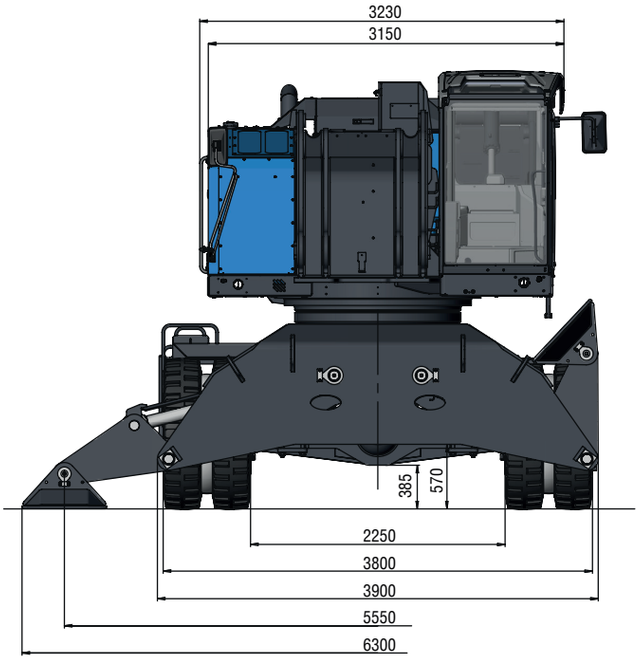


* Option

DIMENSIONS

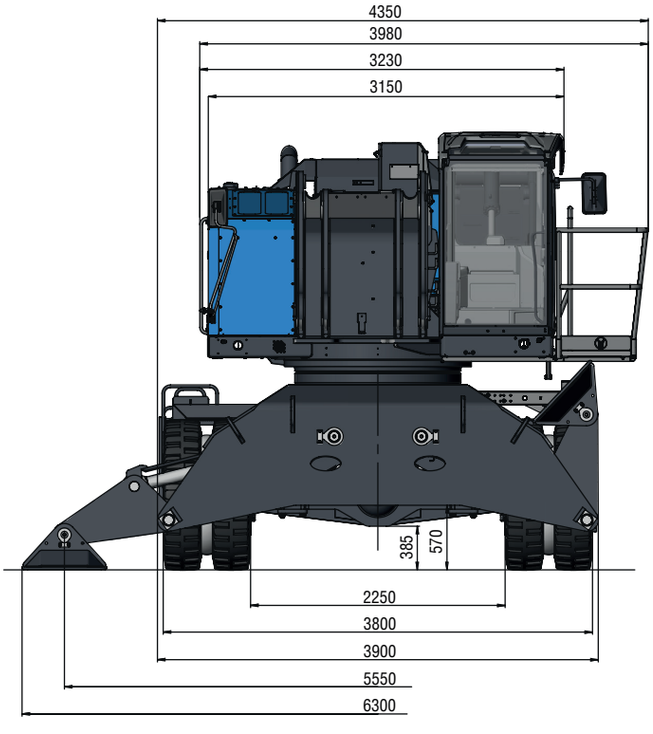
Front view

all dimensions in mm



Front view with catwalk

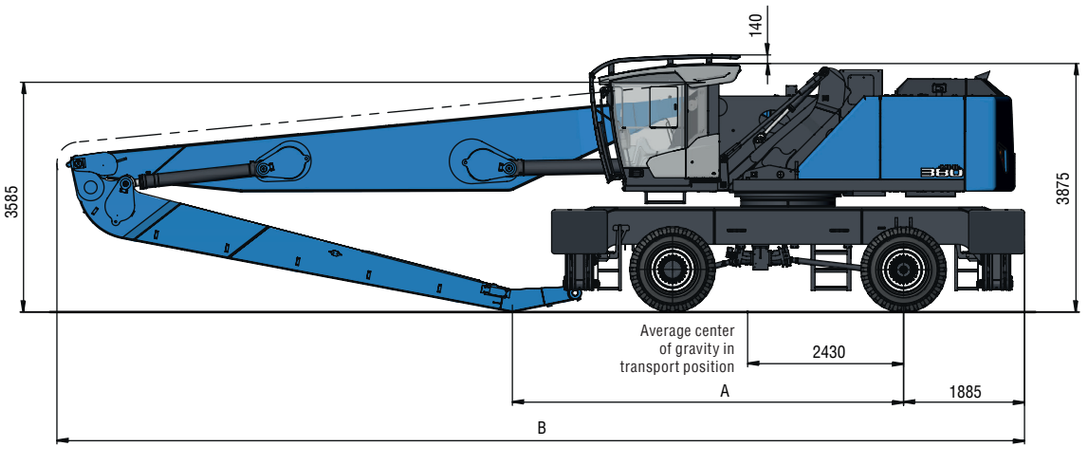
all dimensions in mm



TRANSPORT DIMENSIONS

Loading equipment with dipper stick

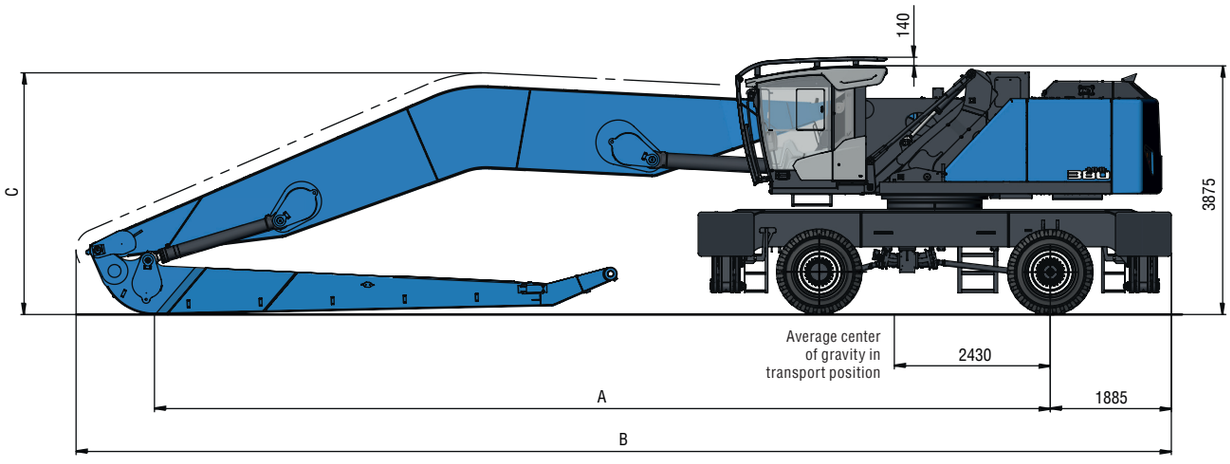
all dimensions in mm



Reach	18 m	20 m	22 m
A	6100 mm	7935 mm	5720 mm
B	15080 mm	16975 mm	17010 mm

Loading equipment with banana boom

all dimensions in mm

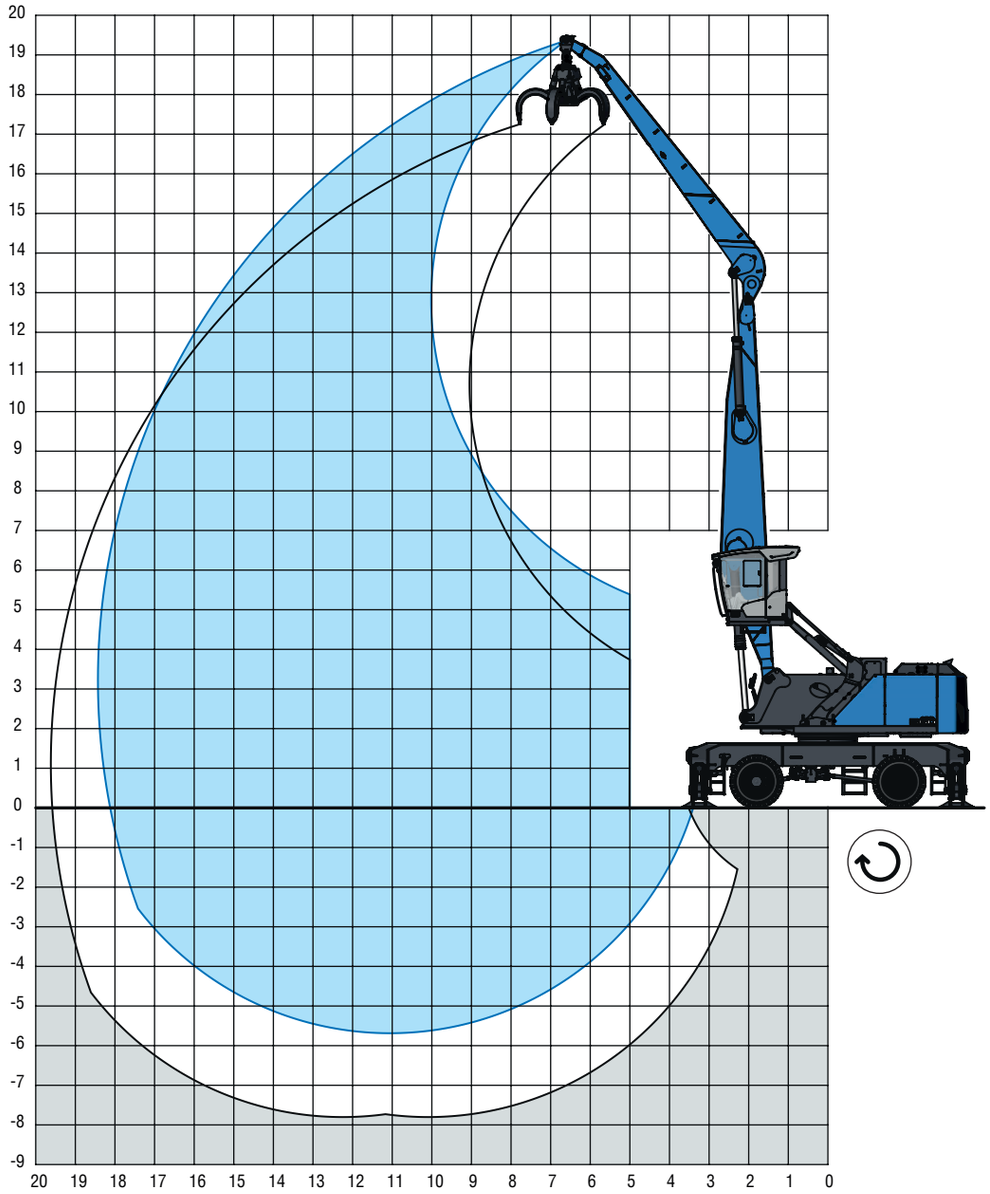


Reach	20 m	22 m
A	13955 mm	9725 mm
B	17065 mm	17070 mm
C	3765 mm	3785 mm

REACH

18 m with dipper stick

Boom: 9.6 m · Dipper stick: 8 m · Cactus grab: 0.8 m³



LIFTING CAPACITY

		6 m	7.5 m	9 m	10.5 m	12 m	13.5 m	15 m	16.5 m	18 m
18 m				8.6° (8.6°)						
16.5 m					9.3° (9.3°)	6.6° (6.6°)				
15 m					10.9° (10.9°)	9.2° (9.2°)	6.5° (6.5°)			
13.5 m					11.3° (11.3°)	10.1° (10.1°)	8.8° (8.8°)	5.5° (5.5°)		
12 m					12.1° (12.1°)	11.2° (11.2°)	9.8° (9.8°)	7.9° (7.9°)		
10.5 m					12.6° (12.6°)	11.7° (11.7°)	10.8° (10.8°)	9.0° (9.0°)	6.1° (6.1°)	
9 m				14.4° (14.4°)	13.1° (13.1°)	11.9° (11.9°)	11.0° (11.0°)	10.1 (10.2°)	7.9° (7.9°)	
7.5 m				15.5° (15.5°)	13.7° (13.7°)	12.4° (12.4°)	11.2° (11.2°)	10.0 (10.3°)	8.5 (8.7°)	
6 m		18.6° (18.6°)	19.9° (19.9°)	16.7° (16.7°)	14.5° (14.5°)	12.8° (12.8°)	11.5° (11.5°)	9.8 (10.5°)	8.3 (9.5°)	5.8° (5.8°)
4.5		20.0 (20.0)	20.0 (20.0)	18.0° (18.0°)	15.3° (15.3°)	13.3° (13.3°)	11.3 (11.8°)	9.5 (10.6°)	8.2 (9.6°)	6.7° (6.7°)
3 m		20.0 (20.0)	20.0 (20.0)	19.1° (19.1°)	16.0° (16.0°)	13.1 (13.7°)	10.9 (12.1°)	9.3 (10.7°)	8.0 (9.5°)	7.1° (7.1°)
1.5 m		10.5° (10.5°)	20.0 (20.0)	19.3 (19.9°)	15.3 (16.4°)	12.6 (14.0°)	10.6 (12.2°)	9.1 (10.7°)	7.9 (9.4°)	6.9° (6.9°)
0 m		8.9° (8.9°)	18.3° (18.3°)	18.5 (20.0)	14.8 (16.5°)	12.3 (14.0°)	10.4 (12.1°)	8.9 (10.5°)	7.8 (9.1°)	6.1° (6.1°)
–1.5 m		9.0° (9.0°)	15.5° (15.5°)	18.1 (19.5°)	14.5 (16.2°)	12.0 (13.7°)	10.2 (11.7°)	8.8 (10.1°)	7.7 (8.5°)	
–3 m		9.7° (9.7°)	14.9° (14.9°)	17.9 (18.3°)	14.3 (15.3°)	11.9 (12.9°)	10.1 (11.0°)	8.8 (9.3°)	7.5° (7.5°)	
–4.5 m			15.3° (15.3°)	16.4° (16.4°)	13.9° (13.9°)	11.7° (11.7°)	9.8° (9.8°)			
										max. reach 18.4 m
3.3 m										4.8° (4.8°)

Recommended attachments upon request

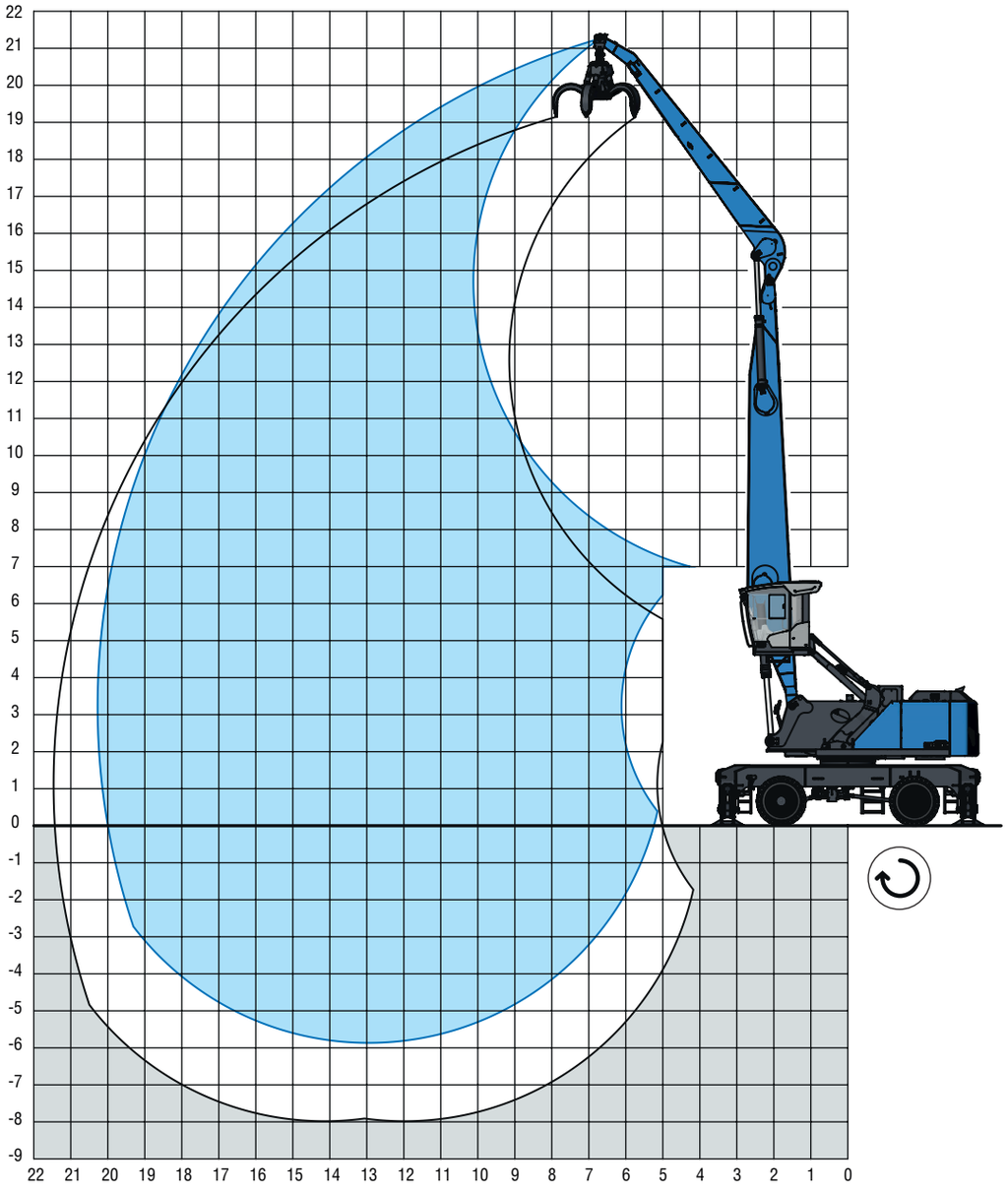
Height **Reach** **Center of rotation** **4-point supported**

The lift capacity values are stated in metric tons (t). In accordance with ISO 10567, the lift capacity values represents 75 % of the static tipping loads or 87% of the hydraulic lifting force (marked °). On solid and level ground the values apply to a swing range of 360°. The (…) values apply in the longitudinal direction of the undercarriage. The weights of the attached load hoisting equipment (grab, load hock, etc.) must be deducted from the lift capacity values. The working load of the lifting devise must be observed. In accordance with the EN 474-5 for object handling application hose rupture valves on the boom and stick cylinders, an overload warning device and the lift capacity table in the cab are required. The machine has to be supported on a level ground for object handling application.

REACH

20 m with dipper stick

Boom: 11.5 m · Dipper stick: 8 m · Cactus grab: 0.8 m³



LIFTING CAPACITY

		6 m	7.5 m	9 m	10.5 m	12 m	13.5 m	15 m	16.5 m	18 m	19.5 m
21 m			8.8° (8.8°)								
19.5 m				9.5° (9.5°)	8.0° (8.0°)						
18 m					9.6° (9.6°)	8.4° (8.4°)					
16.5 m					10.7° (10.7°)	9.6° (9.6°)	8.4° (8.4°)				
15 m					11.6° (11.6°)	10.7° (10.7°)	9.5° (9.5°)	8.0° (8.0°)			
13.5 m					12.1° (12.1°)	10.9° (10.9°)	10.0° (10.0°)	9.1° (9.1°)	7.2° (7.2°)		
12 m					12.3° (12.3°)	11.0° (11.0°)	10.0° (10.0°)	9.2° (9.2°)	8.4° (8.4°)	5.5° (5.5°)	
10.5 m				14.4° (14.4°)	12.6° (12.6°)	11.2° (11.2°)	10.2° (10.2°)	9.3° (9.3°)	8.4 (8.5°)	7.0° (7.0°)	
9 m				15.1° (15.1°)	13.1° (13.1°)	11.6° (11.6°)	10.4° (10.4°)	9.4° (9.4°)	8.2 (8.6°)	7.0 (7.9°)	
7.5 m		20.0 (20.0)	19.5° (19.5°)	16.0° (16.0°)	13.6° (13.6°)	11.9° (11.9°)	10.6° (10.6°)	9.5° (9.5°)	8.1 (8.6°)	6.9 (7.9°)	6.1° (6.1°)
6 m		20.0 (20.0)	20.0 (20.0)	17.0° (17.0°)	14.2° (14.2°)	12.3° (12.3°)	10.8° (10.8°)	9.2 (9.7°)	7.9 (8.7°)	6.8 (7.9°)	5.9 (6.7°)
4.5		7.1° (7.1°)	20.0 (20.0)	17.8° (17.8°)	14.7° (14.7°)	12.5 (12.6°)	10.5 (11.0°)	8.9 (9.8°)	7.7 (8.7°)	6.7 (7.8°)	5.8 (7.0°)
3 m			11.5° (11.5°)	18.1 (18.3°)	14.5 (15.1°)	12.0 (12.8°)	10.1 (11.1°)	8.6 (9.8°)	7.5 (8.7°)	6.5 (7.7°)	5.7 (6.8°)
1.5 m		3.4° (3.4°)	8.2° (8.2°)	17.2 (18.3°)	13.8 (15.1°)	11.5 (12.8°)	9.7 (11.1°)	8.4 (9.7°)	7.3 (8.6°)	6.4 (7.6°)	5.7 (6.5°)
0 m		4.2° (4.2°)	7.7° (7.7°)	14.5° (14.5°)	13.4 (14.9°)	11.1 (12.6°)	9.4 (10.9°)	8.2 (9.5°)	7.1 (8.3°)	6.3 (7.3°)	5.6 (6.1°)
–1.5 m		5.2° (5.2°)	8.0° (8.0°)	13.3° (13.3°)	13.1 (14.2°)	10.9 (12.2°)	9.3 (10.5°)	8.0 (9.1°)	7.0 (8.0°)	6.2 (6.8°)	5.5° (5.5°)
–3 m			8.7° (8.7°)	13.2° (13.2°)	13.0 (13.2°)	10.7 (11.4°)	9.1 (9.9°)	7.9 (8.5°)	7.0 (7.3°)	6.1° (6.1°)	
–4.5 m				13.5° (13.5°)	11.8° (11.8°)	10.3° (10.3°)	8.9° (8.9°)	7.7° (7.7°)	6.4° (6.4°)		
											max. reach 20.2 m
3.3 m											4.8° (4.8°)

Recommended attachments upon request

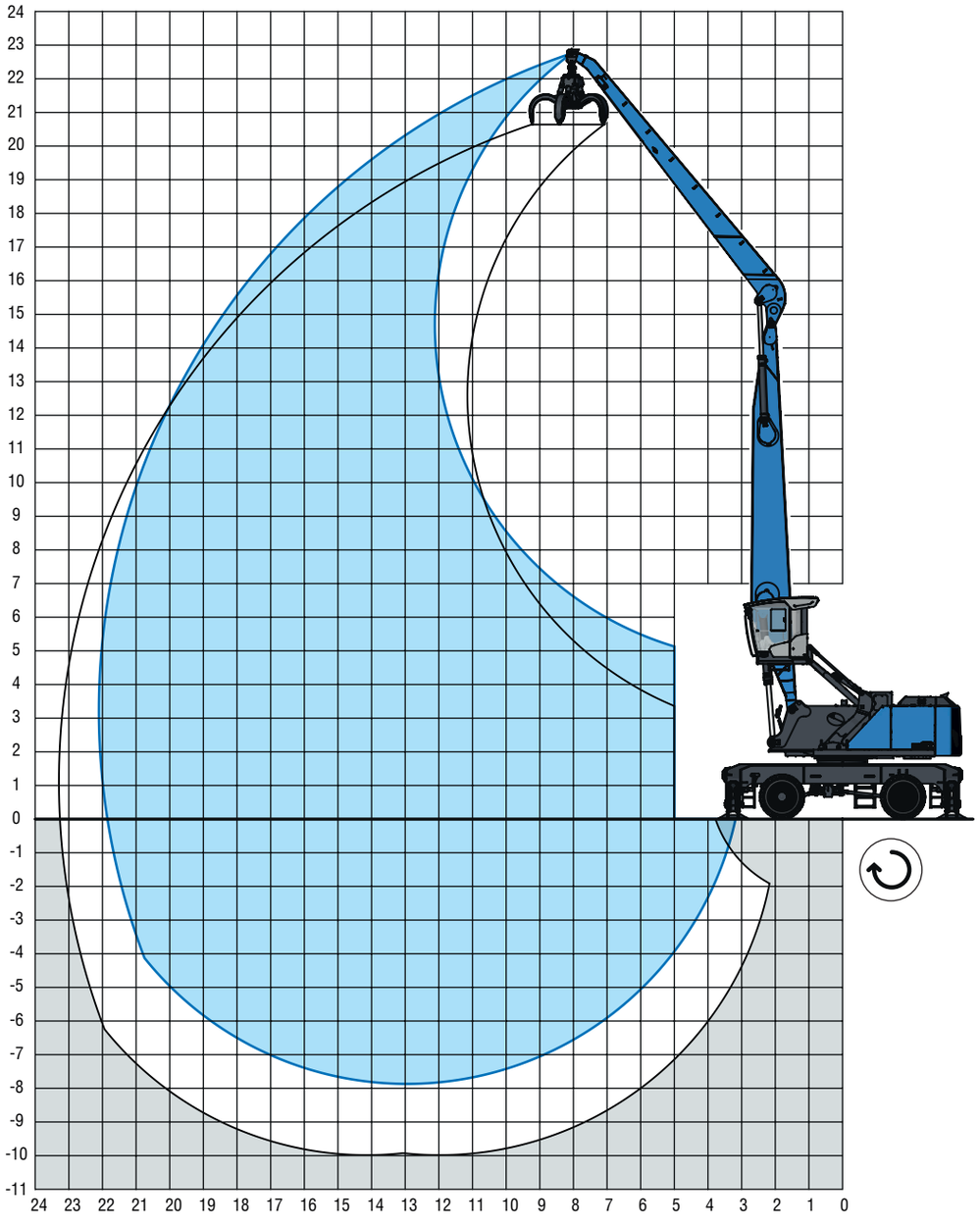
Height Reach Center of rotation 4-point supported

The lift capacity values are stated in metric tons (t). In accordance with ISO 10567, the lift capacity values represents 75 % of the static tipping loads or 87% of the hydraulic lifting force (marked °). On solid and level ground the values apply to a swing range of 360°. The (…) values apply in the longitudinal direction of the undercarriage. The weights of the attached load hoisting equipment (grab, load hock, etc.) must be deducted from the lift capacity values. The working load of the lifting devise must be observed. In accordance with the EN 474-5 for object handling application hose rupture valves on the boom and stick cylinders, an overload warning device and the lift capacity table in the cab are required. The machine has to be supported on a level ground for object handling application.

REACH

22 m with dipper stick

Boom: 11.5 m · Dipper stick: 10 m · Cactus grab: 0.8 m³



LIFTING CAPACITY

		6 m	7.5 m	9 m	10.5 m	12 m	13.5 m	15 m	16.5 m	18 m	19.5 m	21 m
22.5 m				6.2° (6.2°)								
21 m					6.8° (6.8°)	5.5° (5.5°)						
19.5 m						6.9° (6.9°)	5.8° (5.8°)					
18 m						7.9° (7.9°)	6.9° (6.9°)	5.8° (5.8°)				
16.5 m						8.5° (8.5°)	7.8° (7.8°)	6.7° (6.7°)	5.4° (5.4°)			
15 m							8.5° (8.5°)	7.6° (7.6°)	6.4° (6.4°)	4.8° (4.8°)		
13.5 m							9.1° (9.1°)	8.3° (8.3°)	7.3° (7.3°)	5.8° (5.8°)		
12 m						10.0° (10.0°)	9.1° (9.1°)	8.5° (8.5°)	7.9° (7.9°)	6.7° (6.7°)	5.1° (5.1°)	
10.5 m						10.2° (10.2°)	9.3° (9.3°)	8.6° (8.6°)	7.9° (7.9°)	7.4° (7.4°)	6.1° (6.1°)	
9 m					11.7° (11.7°)	10.5° (10.5°)	9.5° (9.5°)	8.7° (8.7°)	8.0° (8.0°)	7.3 (7.4°)	6.3 (6.6°)	4.3° (4.3°)
7.5 m				13.1° (13.1°)	12.3° (12.3°)	10.9° (10.9°)	9.8° (9.8°)	8.9° (8.9°)	8.1° (8.1°)	7.2 (7.5°)	6.2 (6.9°)	5.2° (5.2°)
6 m			16.1° (16.1°)	15.2° (15.2°)	13.0° (13.0°)	11.4° (11.4°)	10.1° (10.1°)	9.1° (9.1°)	8.2° (8.2°)	7.0 (7.5°)	6.1 (6.9°)	5.3 (5.5°)
4.5		20.0 (20.0)	20.0 (20.0)	16.3° (16.3°)	13.7° (13.7°)	11.8° (11.8°)	10.4° (10.4°)	9.2 (9.3°)	7.9 (8.3°)	6.8 (7.6°)	5.9 (6.9°)	5.2 (6.0°)
3 m		15.0° (15.0°)	20.0 (20.0)	17.2° (17.2°)	14.2° (14.2°)	12.2° (12.2°)	10.5 (10.6°)	8.9 (9.4°)	7.6 (8.4°)	6.6 (7.6°)	5.8 (6.8°)	5.1 (6.1°)
1.5 m		6.8° (6.8°)	17.0° (17.0°)	17.7° (17.7°)	14.5 (14.6°)	11.9 (12.4°)	10.0 (10.8°)	8.5 (9.5°)	7.4 (8.4°)	6.4 (7.5°)	5.7 (6.7°)	5.0 (5.9°)
0 m		5.6° (5.6°)	10.8° (10.8°)	17.1 (17.9°)	13.7 (14.7°)	11.4 (12.5°)	9.6 (10.8°)	8.2 (9.4°)	7.1 (8.3°)	6.3 (7.4°)	5.5 (6.6°)	4.9 (5.7°)
–1.5 m		5.7° (5.7°)	9.3° (9.3°)	16.4 (16.8°)	13.2 (14.5°)	10.9 (12.3°)	9.3 (10.6°)	8.0 (9.3°)	7.0 (8.2°)	6.1 (7.2°)	5.5 (6.3°)	4.9 (5.3°)
–3 m		6.1° (6.1°)	9.0° (9.0°)	14.4° (14.4°)	12.8 (14.0°)	10.6 (11.9°)	9.0 (10.3°)	7.8 (9.0°)	6.8 (7.8°)	6.0 (6.8°)	5.4 (5.8°)	4.6° (4.6°)
–4.5 m		6.7° (6.7°)	9.1° (9.1°)	13.6° (13.6°)	12.6 (13.2°)	10.5 (11.3°)	8.9 (9.7°)	7.7 (8.4°)	6.8 (7.3°)	6.0 (6.3°)	5.2° (5.2°)	
–6 m			9.5° (9.5°)	13.6° (13.6°)	12.0° (12.0°)	10.3° (10.3°)	8.8 (8.9°)	7.7° (7.7°)	6.6° (6.6°)	5.4° (5.4°)		
–7.5 m						9.0° (9.0°)	7.7° (7.7°)					
												max. reach 20.2 m
3.3 m												3.5° (3.5°)

Recommended attachments upon request

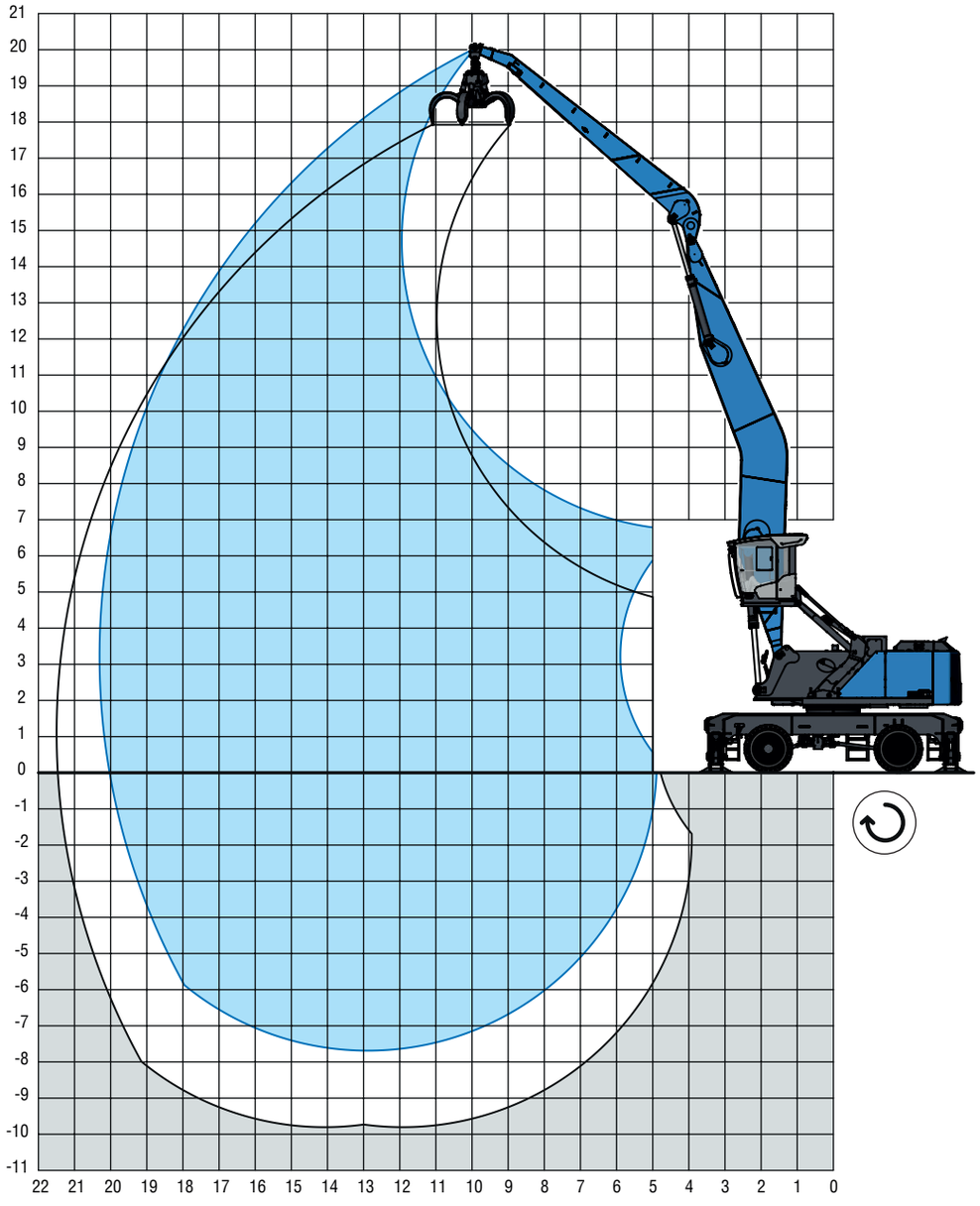
Height **Reach** **Center of rotation** **4-point supported**

The lift capacity values are stated in metric tons (t). In accordance with ISO 10567, the lift capacity values represents 75 % of the static tipping loads or 87% of the hydraulic lifting force (marked °). On solid and level ground the values apply to a swing range of 360°. The (…) values apply in the longitudinal direction of the undercarriage. The weights of the attached load hoisting equipment (grab, load hock, etc.) must be deducted from the lift capacity values. The working load of the lifting devise must be observed. In accordance with the EN 474-5 for object handling application hose rupture valves on the boom and stick cylinders, an overload warning device and the lift capacity table in the cab are required. The machine has to be supported on a level ground for object handling application.

REACH

20 m with banana boom

Banana boom: 11.75 m · Dipper stick 8 m · Cactus grab: 0.8 m³



LIFTING CAPACITY

		6 m	7.5 m	9 m	10.5 m	12 m	13.5 m	15 m	16.5 m	18 m	19.5 m
19.5 m					7.0° (7.0°)						
18 m						7.9° (7.9°)					
16.5 m						9.1° (9.1°)	7.9° (7.9°)				
15 m						9.4° (9.4°)	8.7° (8.7°)	7.2° (7.2°)			
13.5 m						9.4° (9.4°)	8.6° (8.6°)	8.0° (8.0°)	6.4° (6.4°)		
12 m						9.5° (9.5°)	8.7° (8.7°)	8.1° (8.1°)	7.5° (7.5°)	5.3° (5.3°)	
10.5 m						9.8° (9.8°)	8.9° (8.9°)	8.2° (8.2°)	7.6° (7.6°)	6.7° (6.7°)	
9 m					11.4° (11.4°)	10.1° (10.1°)	9.1° (9.1°)	8.3° (8.3°)	7.7° (7.7°)	7.0 (7.1°)	
7.5 m			17.1° (17.1°)	14.1° (14.1°)	12.0° (12.0°)	10.5° (10.5°)	9.4° (9.4°)	8.5° (8.5°)	7.8° (7.8°)	6.9 (7.2°)	5.6° (5.6°)
6 m		20.0 (20.0)	18.8° (18.8°)	15.1° (15.1°)	12.7° (12.7°)	11.0° (11.0°)	9.7° (9.7°)	8.7° (8.7°)	7.8 (7.9°)	6.7 (7.2°)	5.8 (6.6°)
4.5		6.5° (6.5°)	20.0 (20.0)	16.0° (16.0°)	13.3° (13.3°)	11.4° (11.4°)	9.9° (9.9°)	8.9° (8.9°)	7.6 (8.0°)	6.6 (7.3°)	5.7 (6.6°)
3 m		3.6° (3.6°)	10.9° (10.9°)	16.8° (16.8°)	13.8° (13.8°)	11.7° (11.7°)	10.0 (10.2°)	8.5 (9.0°)	7.3 (8.1°)	6.4 (7.3°)	5.6 (6.6°)
1.5 m		3.7° (3.7°)	8.2° (8.2°)	16.8 (17.1°)	13.6 (14.1°)	11.3 (11.9°)	9.5 (10.3°)	8.2 (9.1°)	7.1 (8.1°)	6.2 (7.2°)	5.5 (6.5°)
0 m		4.5° (4.5°)	7.7° (7.7°)	13.7° (13.7°)	13.0 (14.1°)	10.8 (11.9°)	9.2 (10.3°)	7.9 (9.1°)	6.9 (8.0°)	6.1 (7.1°)	5.4 (6.3°)
–1.5 m		5.5° (5.5°)	8.0° (8.0°)	12.7° (12.7°)	12.6 (13.9°)	10.5 (11.8°)	8.9 (10.2°)	7.7 (8.9°)	6.8 (7.9°)	6.0 (6.9°)	5.3 (6.0°)
–3 m		6.4° (6.4°)	8.6° (8.6°)	12.5° (12.5°)	12.4 (13.3°)	10.3 (11.4°)	8.8 (9.9°)	7.6 (8.6°)	6.7 (7.6°)	5.9 (6.5°)	
–4.5 m			9.3° (9.3°)	12.9° (12.9°)	12.3 (12.5°)	10.2 (10.8°)	8.7 (9.4°)	7.5 (8.1°)	6.6 (7.0°)	5.9° (5.9°)	
–6 m				13.1° (13.1°)	11.4° (11.4°)	9.9° (9.9°)	8.6° (8.6°)	7.4° (7.4°)	6.2° (6.2°)		
–7.5 m							7.4° (7.4°)				
											max. reach 20.3 m
3.3 m											4.7° (4.7°)

Recommended attachments upon request

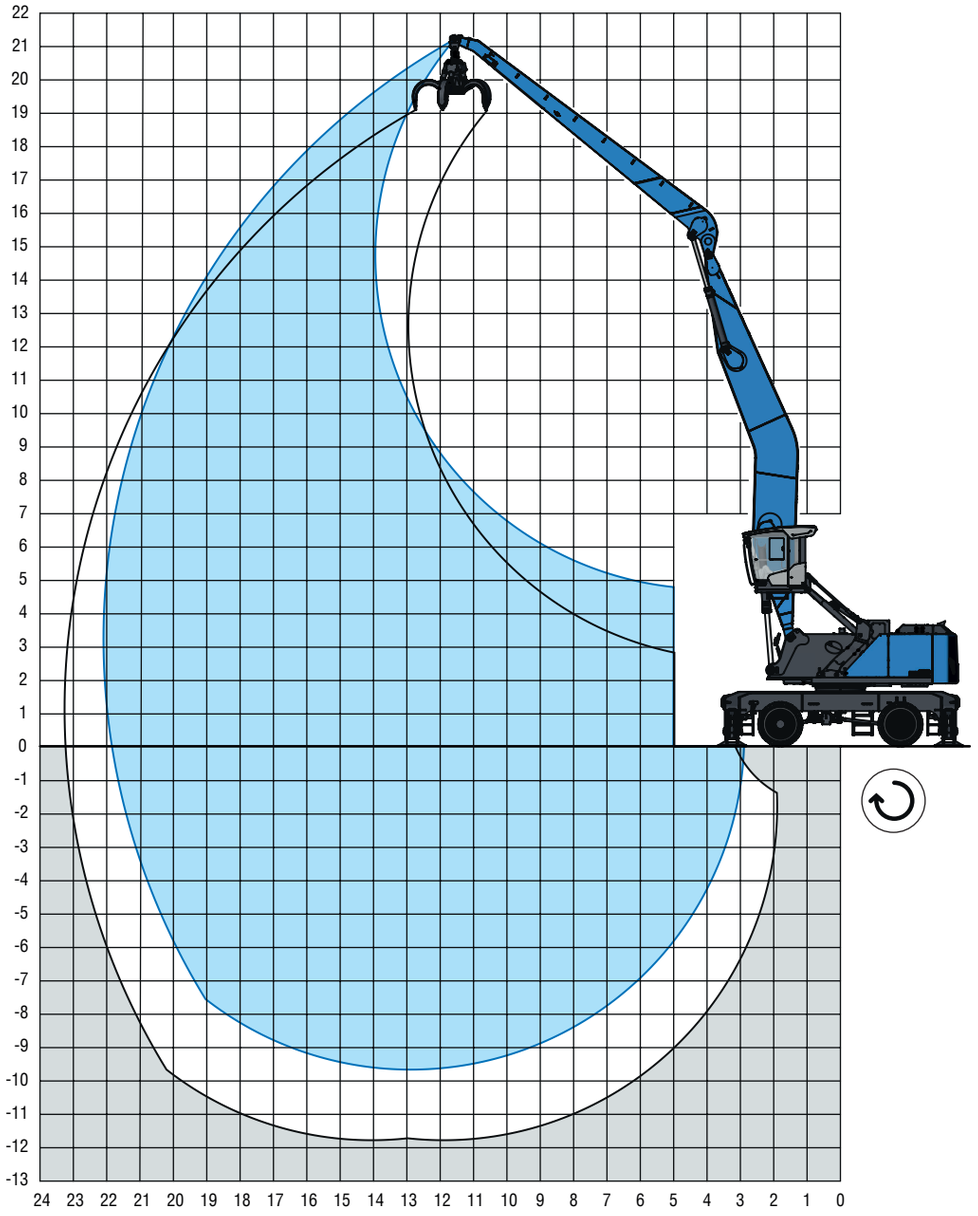
Height Reach Center of rotation 4-point supported

The lift capacity values are stated in metric tons (t). In accordance with ISO 10567, the lift capacity values represents 75 % of the static tipping loads or 87% of the hydraulic lifting force (marked °). On solid and level ground the values apply to a swing range of 360°. The (…) values apply in the longitudinal direction of the undercarriage. The weights of the attached load hoisting equipment (grab, load hock, etc.) must be deducted from the lift capacity values. The working load of the lifting devise must be observed. In accordance with the EN 474-5 for object handling application hose rupture valves on the boom and stick cylinders, an overload warning device and the lift capacity table in the cab are required. The machine has to be supported on a level ground for object handling application.

REACH

22 m with banana boom

Banana boom: 11,75 m · Dipper stick 10 m · Cactus grab: 0,8 m³



LIFTING CAPACITY

		6 m	7.5 m	9 m	10.5 m	12 m	13.5 m	15 m	16.5 m	18 m	19.5 m	21 m
21 m						4.7° (4.7°)						
19.5 m							5.0° (5.0°)					
18 m							6.4° (6.4°)	5.3° (5.3°)				
16.5 m								6.3° (6.3°)	5.1° (5.1°)			
15 m								7.2° (7.2°)	6.0° (6.0°)	4.5° (4.5°)		
13.5 m								7.2° (7.2°)	6.8° (6.8°)	5.4° (5.4°)		
12 m								7.3° (7.3°)	6.8° (6.8°)	6.4° (6.4°)	4.7° (4.7°)	
10.5 m							8.0° (8.0°)	7.4° (7.4°)	6.9° (6.9°)	6.5° (6.5°)	5.4° (5.4°)	
9 m							8.3° (8.3°)	7.6° (7.6°)	7.0° (7.0°)	6.5° (6.5°)	6.1° (6.1°)	4.1° (4.1°)
7.5 m						9.5° (9.5°)	8.5° (8.5°)	7.8° (7.8°)	7.2° (7.2°)	6.6° (6.6°)	6.2° (6.2°)	4.6° (4.6°)
6 m				13.3° (13.3°)	11.3° (11.3°)	9.9° (9.9°)	8.9° (8.9°)	8.0° (8.0°)	7.3° (7.3°)	6.7° (6.7°)	6.0 (6.2°)	5.2° (5.2°)
4.5		20.0 (20.0)	17.9° (17.9°)	14.4° (14.4°)	12.1° (12.1)	10.4° (10.4°)	9.2° (9.2°)	8.2° (8.2°)	7.5° (7.5°)	6.8° (6.8°)	5.9 (6.3°)	5.1 (5.7°)
3 m		13.0° (13.0°)	19.5° (19.5°)	15.4° (15.4°)	12.7° (12.7°)	10.9° (10.9°)	9.5° (9.5°)	8.5° (8.5°)	7.6° (7.6°)	6.5 (6.9°)	5.7 (6.3°)	5.0 (5.8°)
1.5 m		6.8° (6.8°)	15.4° (15.4°)	16.1° (16.1°)	13.2° (13.2°)	11.2° (11.2°)	9.8° (9.8°)	8.4 (8.6°)	7.3 (7.7°)	6.3 (7.0°)	5.5 (6.3°)	4.8 (5.7°)
0 m		5.8° (5.8°)	10.5° (10.5°)	16.5° (16.5°)	13.5 (13.6°)	11.2 (11.6°)	9.4 (9.9°)	8.1 (8.7°)	7.0 (7.8°)	6.1 (7.0°)	5.4 (6.3°)	4.7 (5.6°)
–1.5 m		5.8° (5.8°)	9.1° (9.1°)	15.6° (15.6°)	12.8 (13.7°)	10.7 (11.6°)	9.0 (10.0°)	7.8 (8.7°)	6.8 (7.8°)	5.9 (6.9°)	5.2 (6.2°)	4.7 (5.4°)
–3 m		6.2° (6.2°)	8.8° (8.8°)	13.6° (13.6°)	12.4 (13.5°)	10.3 (11.5°)	8.7 (9.9°)	7.5 (8.6°)	6.6 (7.6°)	5.8 (6.8°)	5.2 (6.0°)	4.5° (4.5°)
–4.5 m		6.6° (6.6°)	8.9° (8.9°)	12.8° (12.8°)	12.1 (13.1°)	10.0 (11.2°)	8.5 (9.6°)	7.4 (8.4°)	6.5 (7.4°)	5.7 (6.5°)	5.1 (5.6°)	
–6 m		7.1° (7.1°)	9.2° (9.2°)	12.7° (12.7°)	12.0 (12.4°)	9.9 (10.6°)	8.4 (9.2°)	7.3 (8.0°)	6.4 (7.0°)	5.7 (6.0°)	5.0° (5.0°)	
–7.5 m			9.6° (9.6°)	13.0° (13.0°)	11.4° (11.4°)	9.8° (9.8°)	8.4 (8.5°)	7.3° (7.3°)	6.3° (6.3°)	5.3° (5.3°)		
–9 m					10.0° (10.0°)	8.7° (8.7°)	7.5° (7.5°)	6.4° (6.4°)				
												max. reach 22 m
3.3 m												3.4° (3.4°)

Recommended attachments upon request

Height Reach Center of rotation 4-point supported

The lift capacity values are stated in metric tons (t). In accordance with ISO 10567, the lift capacity values represents 75 % of the static tipping loads or 87% of the hydraulic lifting force (marked °). On solid and level ground the values apply to a swing range of 360°. The (…) values apply in the longitudinal direction of the undercarriage. The weights of the attached load hoisting equipment (grab, load hock, etc.) must be deducted from the lift capacity values. The working load of the lifting devise must be observed. In accordance with the EN 474-5 for object handling application hose rupture valves on the boom and stick cylinders, an overload warning device and the lift capacity table in the cab are required. The machine has to be supported on a level ground for object handling application.

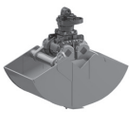
MODULAR SYSTEM

Attachments

Cactus grab

Timber grapple

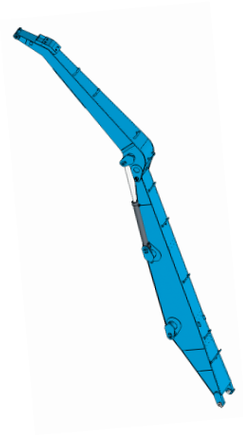
Magnet plate



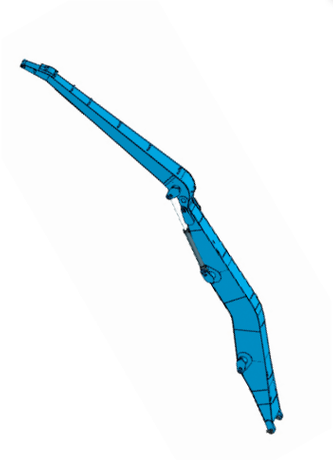
Clamshell grab

Load hook

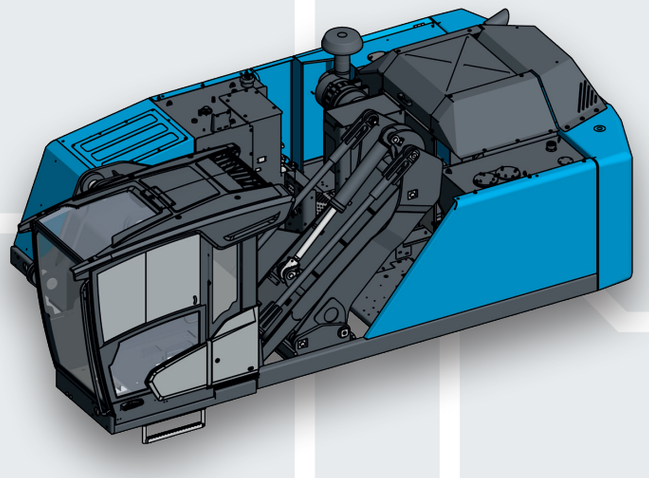
Work Equipment



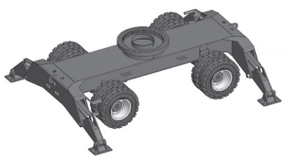
Straight



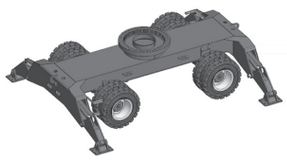
Banana boom



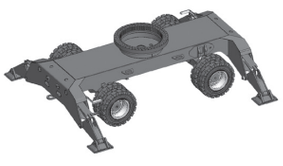
Undercarriage



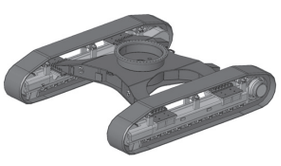
Standard-undercarriage



Standard-undercarriage

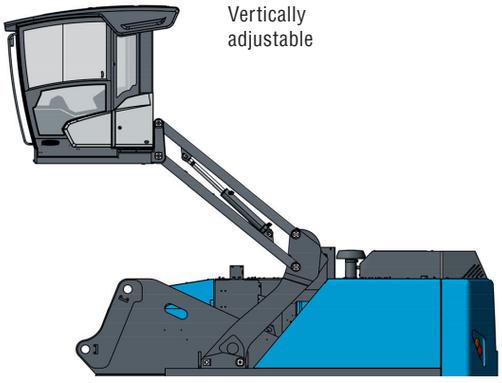


XL-undercarriage

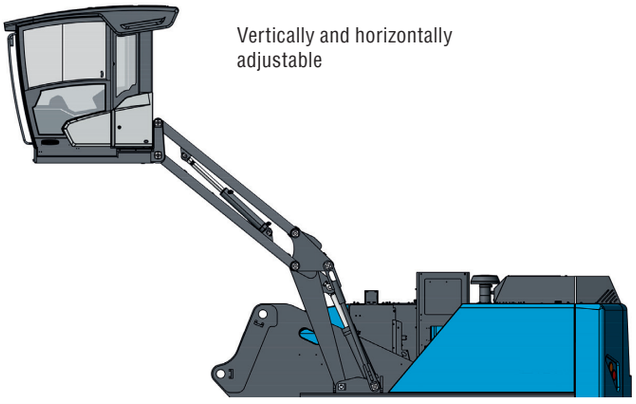


Crawler

Cab Systems

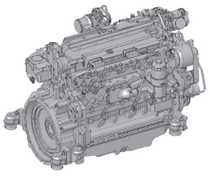


Vertically adjustable

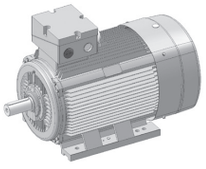


Vertically and horizontally adjustable

Engines



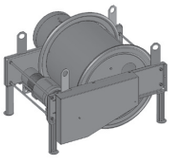
Diesel engine



Electric motor

Options

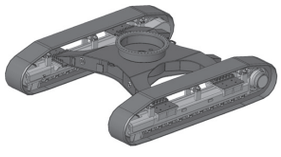
Cable reel



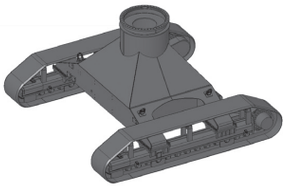
Cable drum

3.7 m

0.8 m

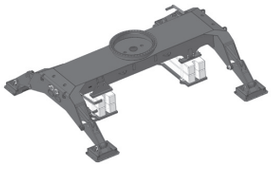


Crawler



Crawler: XL-undercarriage

0.4–3.0 m



AHL standard-undercarriage

0.6–3.0 m

AHL Pylon

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