Preliminary

US

MHL 390

402 hp **250 kW** **167,992–191,800 lbs** **max. 80'5"**

FUCHS®

A TEREX BRAND

TECHNICAL DATA

Operating Weight without Attachments

MHL390 F	167,992 – 191,800 lbs

Diesel Engine

	U.S. Tier 4	EU Stage V	U.S. Tier 3/ EU Stage IIIA*
Manufacturer and model	Deutz TCD 12.0 V6	Deutz TCD 12.0 V6	TCD2015 V06
Design	6-cylinder-V-engine	6-cylinder-V-engine	6-cylinder-V-engine
Functionality	4-stroke diesel, common rail direct injection, turbocharged with intercooler, SCR catalytic converter	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	402 hp		366 hp
Rated speed	1800 rpm		1800 rpm
Displacement	732 cui		732 cui
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 / US EPA Tier 4		EU Stage IIIA / US Tier 3*
Kraftstofftank	217 gal Diesel		217 gal Diesel
Urea Tank	22.5 gal AdBlue		□

Electric Motor

Power	250 kW
Total connected load	304 kW
Motor start	Via soft start
Optional cable reel	Up to 164 ft (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	max. 5 mph
Gradeability	max. 11 %
Turning radius	42'2"

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	0–5.5 rpm infinitely variable
Slewing lock	Electronically activated

* for low-regulated markets

TECHNICAL DATA

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	
Parking brake	

Hydraulic System

Max. pump capacity	190 gpm and 53 gpm (for swing drive)
Max. operating pressure	4641 / 5221 psi
Hydraulic oil tank	174 gal
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.
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 20'2" Vertically and horizontally adjustable cabin (option): 7'3" forward, with max. viewing height of 21'2" Hydraulically adjustable cabin "Port": viewing height of 28'10"
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

	U.S. Tier 4	EU Stage V	U.S. Tier 3/ EU Stage IIIA*
Noise level	Sound power level (ambience) L_{WA} 104.4 dB(A) (metered) acc. to directive 2000/14/EC L_{WA} 106 dB(A) (guaranteed) acc. to directive 2000/14/EC Sound pressure level (inside the cabin) acc. to directive ISO 6396 ISO 6396 L_{pA} 73 dB(A)	Sound power level (ambience) L_{WA} 104.4 dB(A) (metered) acc. to directive 2000/14/EC L_{WA} 106 dB(A) (guaranteed) acc. to directive 2000/14/EC Sound pressure level (inside the cabin) acc. to directive ISO 6396 ISO 6396 L_{pA} 73 dB(A)	Sound power level (ambience) L_{WA} 106 dB(A) (metered) acc. to directive 2000/14/EC L_{WA} 106 dB(A) (guaranteed) acc. to directive 2000/14/EC Sound pressure level (inside the cabin) acc. to directive ISO 6396 ISO 6396 L_{pA} 73 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			

The equipment shown includes US specific options. Equipment may vary depending on sales region. Please contact your salesman in case of doubt

MHL390 F

TECHNICAL DATA

Operating Weight without Attachments

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Diesel Engine

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Exhaust emission standard	EU Stage V / US EPA Tier 4	EU Stage IIIA / US Tier 3*
Kraftstofftank	217 gal Diesel	217 gal Diesel
Urea Tank	22.5 gal AdBlue	□

Electric Motor

Power	250 kW
Total connected load	304 kW
Motor start	Via soft start
Optional cable reel	Up to 164 ft (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

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Travel speed	max. 5 mph
Gradeability	max. 11 %
Turning radius	42'2"

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	0–5.5 rpm infinitely variable
Slewing lock	Electronically 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	
Parking brake	

Hydraulic System

Max. pump capacity	190 gpm and 53 gpm (for swing drive)
Max. operating pres-sure	4641 / 5221 psi
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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.
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 20'2" Vertically and horizontally adjustable cabin (option): 7'3" forward, with max. viewing height of 21'2" Hydraulically adjustable cabin "Port": viewing height of 28'10"
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 rela-tion 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

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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 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	●	
Hydraulically adjustable cabin "Port" with rigid cab riser (viewing height 28'10"), including 360° camera system, solid rubber tyres 16.00-25 Magnum		●
Single-pane safety glass (ESG)	●	
Cabin tinted windows (side, rear)	●	
Sliding window in cab door	●	

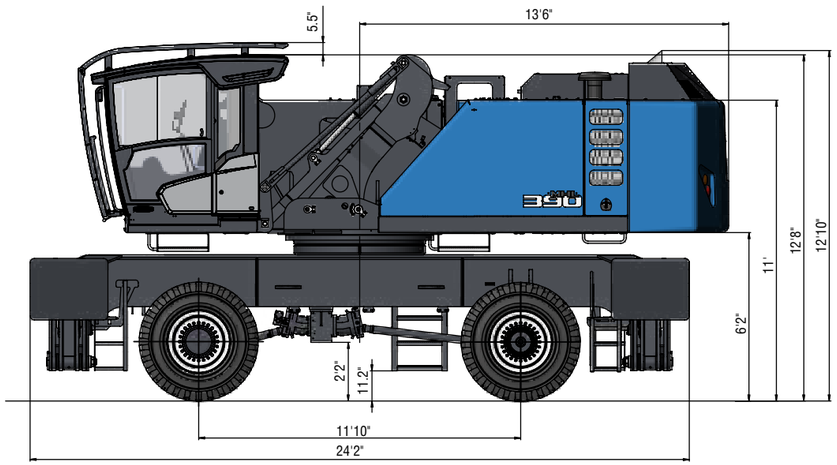
Operator's Cab	Standard	Option
Cabin with penetration resistant glass front and top (classification P5A)	●	
Cabin with bullet-proof glass (classification P8B)		●
Windshield washer system	●	
Washing device for roof window		●
Roof window clear glass	●	
Air-cushioned operator seat with headrest, seatbelt 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)	●	
12 V socket / cigarette lighter	●	
Fire extinguisher, dry powder with holder	●	
Travel alarm flashing alarm light with acoustic warning signal	●	
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		●
Fuchs Connect telematics system, incl. 5 years contract	●	

The equipment shown includes US specific options. Equipment may vary depending on sales region. Please contact your salesman in case of doubt

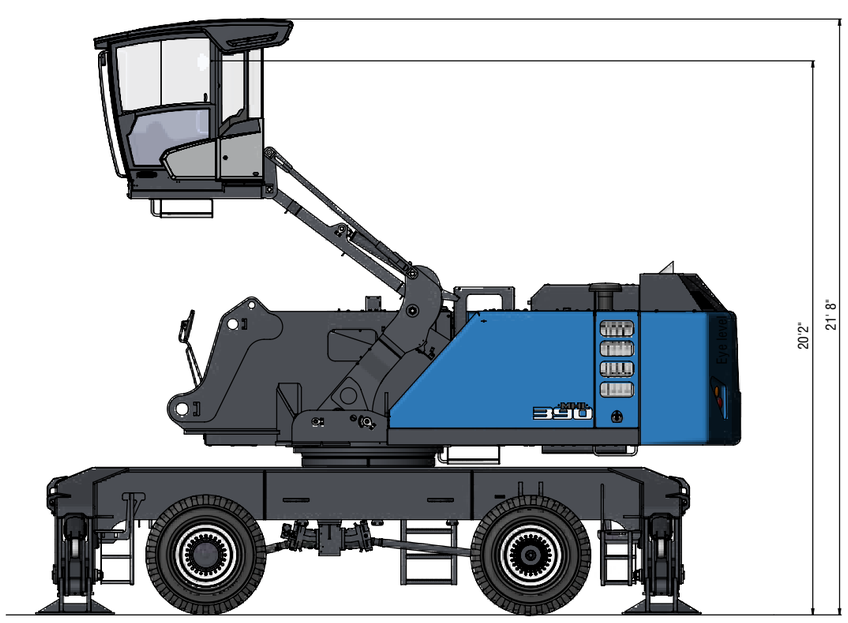
DIMENSIONS

Vertically adjustable cabin

Side view
all dimensions in ft & in



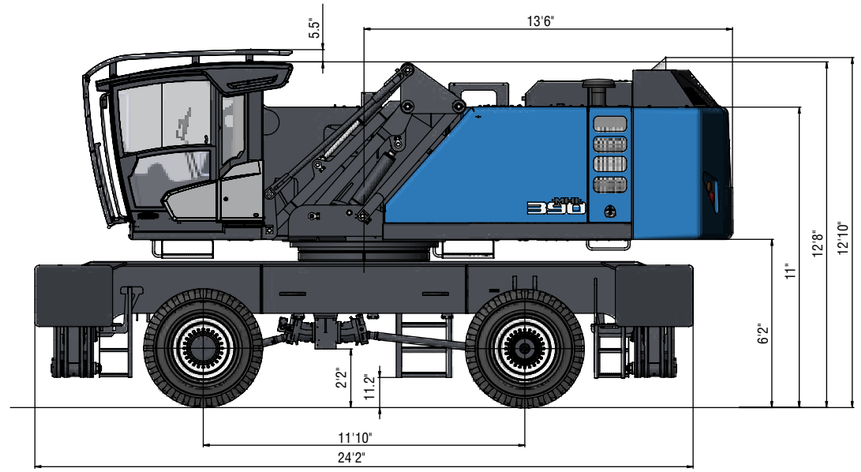
Side view
all dimensions in ft & in



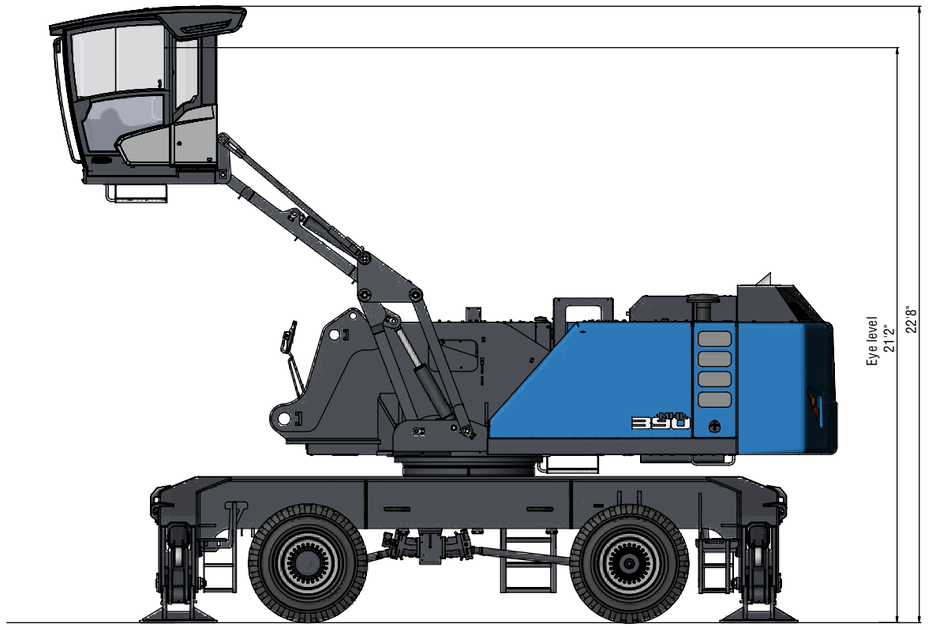
DIMENSIONS

Vertically and horizontally adjustable cabin*

Side view
all dimensions in ft & in



Side view
all dimensions
in ft & in

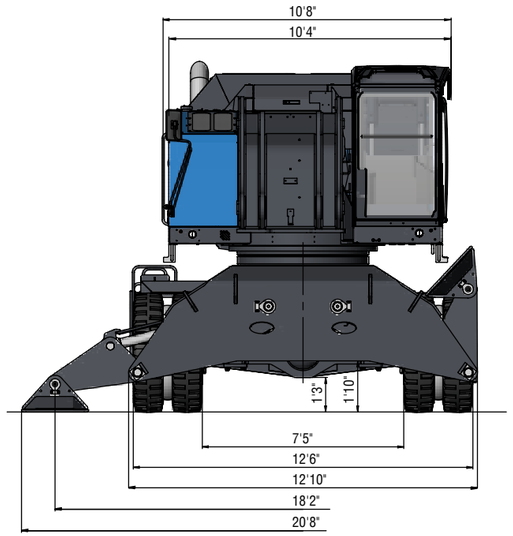


* Option

DIMENSIONS

Front view

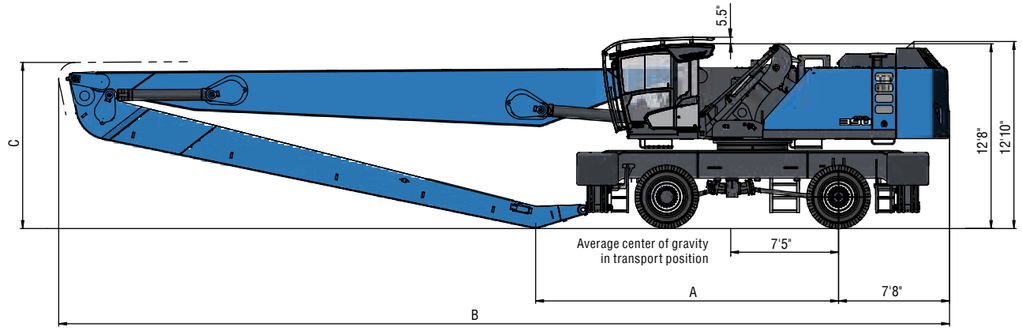
all dimensions in ft & in



TRANSPORT DIMENSIONS

Loading equipment with dipper stick

all dimensions in ft & in



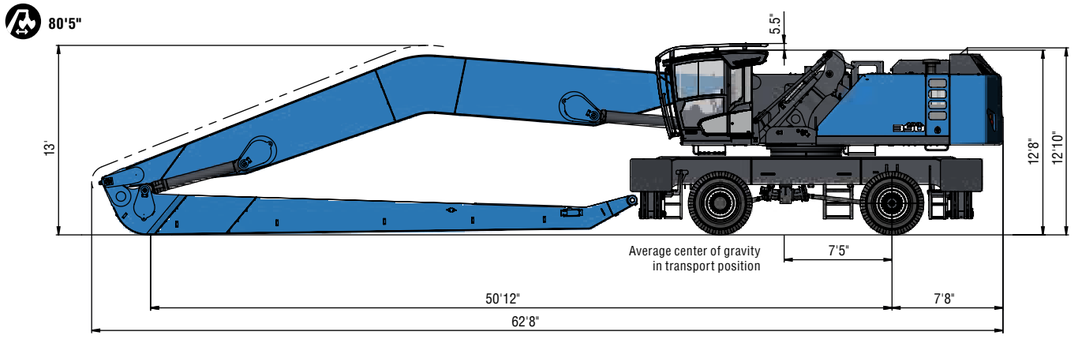
Reach	72'2"	78'9"
A	20'3"	20'10"
B	56'10"	61'3"
C	11'8"	11'5"

Loading equipment with banana boom

all dimensions in ft & in

Reach

80'5"

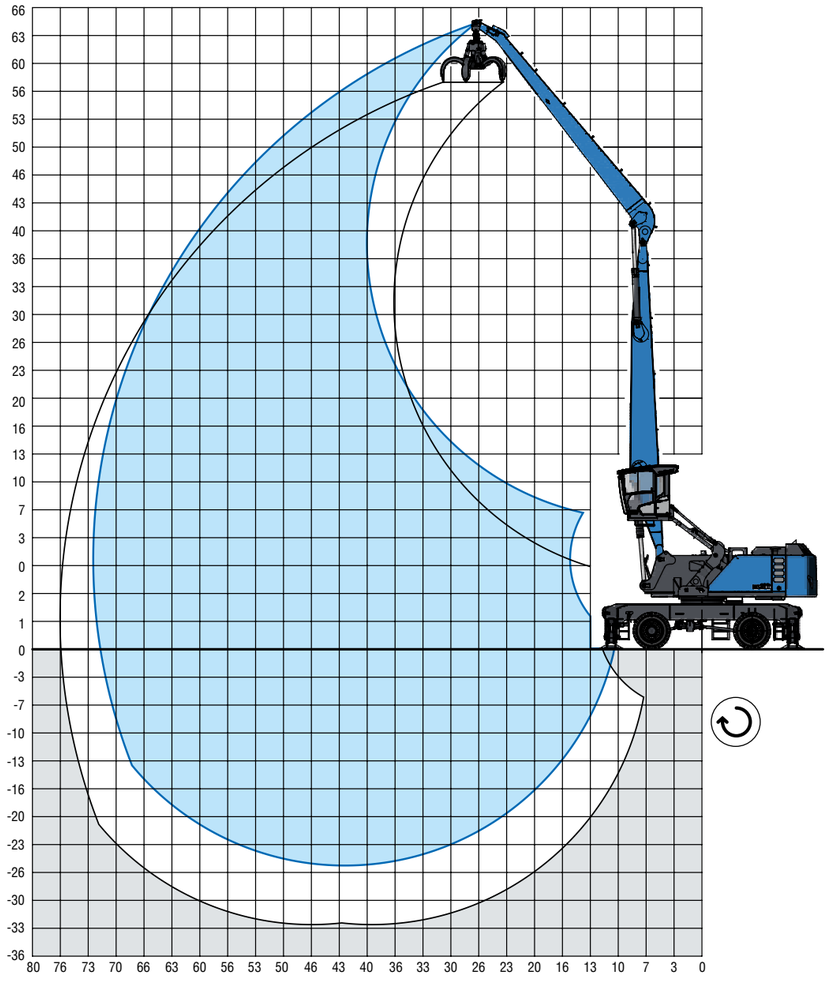


MHL390 F

REACH

72'2" with dipper stick

Boom: 37'2" · Dipper stick: 32'5" · Cactus grab: 1 yd³



[ft]

LIFTING CAPACITY

		20 ft	25 ft	30 ft	35 ft	40 ft	45 ft	50 ft	55 ft	60 ft	65 ft	70 ft
70 ft					17,300° (17,300°)							
65 ft						18,000° (18,000°)	13,500° (13,500°)					
60 ft						20,900° (20,900°)	17,900° (17,900°)	13,600° (13,600°)				
55 ft						21,000° (21,000°)	19,500° (19,500°)	17,500° (17,500°)	12,700° (12,700°)			
50 ft							19,300° (19,300°)	18,100° (18,100°)	16,500° (16,500°)	10,800° (10,800°)		
45 ft						20,800° (20,800°)	19,300° (19,300°)	18,000° (18,000°)	16,900° (16,900°)	14,700° (14,700°)		
40 ft						21,100° (21,100°)	19,500° (19,500°)	18,100° (18,100°)	16,900° (16,900°)	15,800° (15,800°)	11,700° (11,700°)	
35 ft						21,600° (21,600°)	19,800° (19,800°)	18,300° (18,300°)	17,000° (17,000°)	15,900° (15,900°)	14,700° (14,700°)	
30 ft					24,800° (24,800°)	22,300° (22,300°)	20,300° (20,300°)	18,700° (18,700°)	17,200° (17,200°)	16,000° (16,000°)	14,800° (14,800°)	9,600° (9,600°)
25 ft				29,800° (29,800°)	26,100° (26,100°)	23,200° (23,200°)	20,900° (20,900°)	19,100° (19,100°)	17,500° (17,500°)	16,100° (16,100°)	14,900° (14,900°)	12,000° (12,000°)
20 ft			38,600° (38,600°)	32,100° (32,100°)	27,600° (27,600°)	24,200° (24,200°)	21,600° (21,600°)	19,500° (19,500°)	17,800° (17,800°)	16,200° (16,200°)	14,900° (14,900°)	13,500° (13,500°)
15 ft		56,400° (56,400°)	42.700° (42.700°)	34,600° (34,600°)	29,100° (29,100°)	25,200° (25,200°)	22.300° (22.300°)	19,900° (19,900°)	18,000° (18,000°)	16,400° (16,400°)	14,900° (14,900°)	13,400° (13,400°)
10 ft		50,600° (50,600°)	46,300° (46,300°)	36,700° (36,700°)	30,500° (30,500°)	26,100° (26,100°)	22.800° (22.800°)	20,300° (20,300°)	18,200° (18,200°)	16,400° (16,400°)	14,800° (14,800°)	13,200° (13,200°)
5 ft		21,400° (21,400°)	48.400° (48.400°)	38,100° (38,100°)	31,400° (31,400°)	26,700° (26,700°)	23,200° (23,200°)	20,500° (20,500°)	18,200° (18,200°)	16,300° (16,300°)	14,600° (14,600°)	12,800° (12,800°)
0 ft		17,400° (17,400°)	33,000° (33,000°)	38,600° (38,600°)	31,800° (31,800°)	26,900° (26,900°)	23,300° (23,300°)	20,400° (20,400°)	18,100° (18,100°)	16,100° (16,100°)	14,200° (14,200°)	12,300° (12,300°)
–5 ft		17,300° (17,300°)	27,900° (27,900°)	38,100° (38,100°)	31,500° (31,500°)	26,700° (26,700°)	23,100° (23,100°)	20,100° (20,100°)	17,700° (17,700°)	15,600° (15,600°)	13,600° (13,600°)	11,300° (11,300°)
–10 ft		18,400° (18,400°)	26,700° (26,700°)	36,600° (36,600°)	30,500° (30,500°)	25,900° (25,900°)	22.400° (22.400°)	19,500° (19,500°)	17,000° (17,000°)	14,800° (14,800°)	12.600° (12.600°)	
–15 ft		19,900° (19,900°)	27,000° (27,000°)	34,000° (34,000°)	28,700° (28,700°)	24,600° (24,600°)	21,200° (21,200°)	18,400° (18,400°)	15,900° (15,900°)	13,600° (13,600°)	11,100° (11,100°)	
–20 ft			28,000° (28,000°)	30,600° (30,600°)	26,100° (26,100°)	22,500° (22,500°)	19,400° (19,400°)	16,700° (16,700°)	14 ,300° (14 ,300°)	11,800° (11,800°)		
–25 ft						19,600° (19,600°)	16,900° (16,900°)					
												max. reach 71.5 ft
11 ft												10,100° (10,100°)

Recommended attachments upon request

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

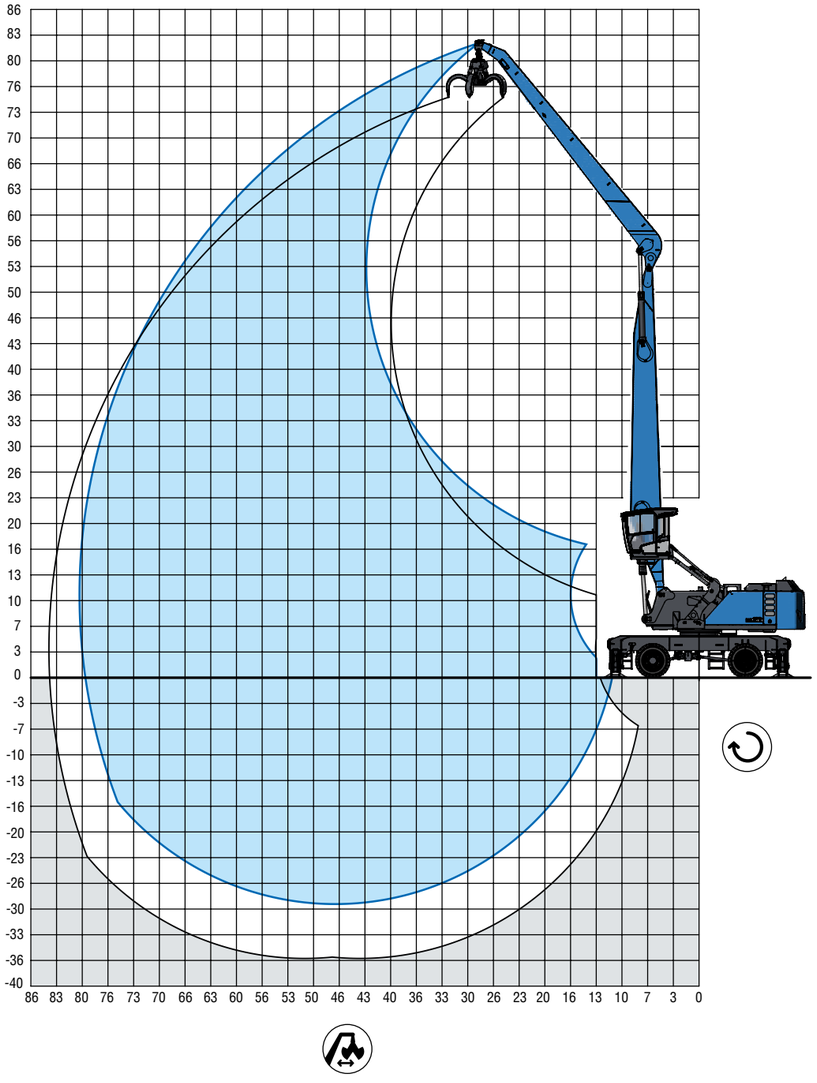
The lift capacity values are stated in imperial pounds (lbs). In accordance with ISO 10567, the lift capacity values represents 75 % of the static tipping loads or 87% of the hydraulic lifting force (marked °). On solid and level ground the values apply to a swing range of 360°. The (…) values apply 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.

MHL390 F

REACH

78'9" with dipper stick

Boom: 41'8" · Dipper stick: 36'1" · Cactus grab: 1 yd³



[ft]

LIFTING CAPACITY

		20 ft	25 ft	30 ft	35 ft	40 ft	45 ft	50 ft	55 ft	60 ft	65 ft	70 ft	75 ft	80 ft
75 ft						15,500° (15,500°)								
70 ft						18,300° (18,300°)	15,800° (15,800°)	12,400° (12,400°)						
65 ft							18,100° (18,100°)	15,700° (15,700°)	12,400° (12,400°)					
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50 ft							19,800° (19,800°)	18,200° (18,200°)	16,900° (16,900°)	15,700° (15,700°)	13,300° (13,300°)			
45 ft							20,000° (20,000°)	18,300° (18,300°)	16,900° (16,900°)	15,700° (15,700°)	14,600° (14,600°)	11,300° (11,300°)		
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35 ft						22,800° (22,800°)	20,600° (20,600°)	18,700° (18,700°)	17,200° (17,200°)	15,800° (15,800°)	14,600° (14,600°)	13,500° (13,500°)	10,400° (10,400°)	
30 ft					26,500° (26,500°)	23,500° (23,500°)	21,100° (21,100°)	19,100° (19,100°)	17,400° (17,400°)	15,900° (15,900°)	14,700° (14,700°)	13,500° (13,500°)	12,300° (12,300°)	
25 ft				32,300° (32,300°)	27,800° (27,800°)	24,300° (24,300°)	21,600° (21,600°)	19,400° (19,400°)	17,600° (17,600°)	16,100° (16,100°)	14,700° (14,700°)	13,500° (13,500°)	12,400° (12,400°)	
20 ft			41,300° (41,300°)	34,400° (34,400°)	29,000° (29,000°)	25,200° (25,200°)	22,200° (22,200°)	19,800° (19,800°)	17,900° (17,900°)	16,200° (16,200°)	14,800° (14,800°)	13,500° (13,500°)	12,300° (12,300°)	
15 ft		60,800° (60,800°)	45,400° (45,400°)	36,300° (36,300°)	30,300° (30,300°)	26,000° (26,000°)	22,700° (22,700°)	20,100° (20,100°)	18,100° (18,100°)	16,300° (16,300°)	14,800° (14,800°)	13,500° (13,500°)	12,200° (12,200°)	9,200° (9,200°)
10 ft		27,800° (27,800°)	48,100° (48,100°)	37,900° (37,900°)	31,300° (31,300°)	26,600° (26,600°)	23,100° (23,100°)	20,400° (20,400°)	18,200° (18,200°)	16,400° (16,400°)	14,800° (14,800°)	13,300° (13,300°)	12,000° (12,000°)	9,600° (9,600°)
5 ft		14,300° (14,300°)	32,900° (32,900°)	38,800° (38,800°)	31,900° (31,900°)	27,000° (27,000°)	23,300° (23,300°)	20,500° (20,500°)	18,200° (18,200°)	16,300° (16,300°)	14,600° (14,600°)	13,100° (13,100°)	11,700° (11,700°)	9,400° (9,400°)
0 ft		12,300° (12,300°)	22.600° (22.600°)	38,800° (38,800°)	32,000° (32,000°)	27,000° (27,000°)	23,300° (23,300°)	20,400° (20,400°)	18,100° (18,100°)	16,100° (16,100°)	14,400° (14,400°)	12,800° (12,800°)	11,200° (11,200°)	
-5 ft		12.600° (12.600°)	19,900° (19,900°)	33, 500° (33, 500°)	31,500° (31,500°)	26,700° (26,700°)	23,000° (23,000°)	20,100° (20,100°)	17,800° (17,800°)	15,700° (15,700°)	14,000° (14,000°)	12,300° (12,300°)	10,600° (10,600°)	
-10 ft		13,700° (13,700°)	19,500° (19,500°)	29,600° (29,600°)	30,400° (30,400°)	25,900° (25,900°)	22,400° (22,400°)	19,500° (19,500°)	17,200° (17,200°)	15,200° (15,200°)	13,300° (13,300°)	11,600° (11,600°)	9,700° (9,700°)	
-15 ft		15,000° (15,000°)	20,000° (20,000°)	28,300° (28,300°)	28,600° (28,600°)	24,600° (24,600°)	21,300° (21,300°)	18,600° (18,600°)	16,300° (16,300°)	14,300° (14,300°)	12,400° (12,400°)	10,600° (10,600°)	8,400° (8,400°)	
-20 ft			20,900° (20,900°)	28,300° (28,300°)	26,200° (26,200°)	22,700° (22,700°)	19,800° (19,800°)	17,300° (17,300°)	15,100° (15,100°)	13,100° (13,100°)	11,200° (11,200°)	9,100° (9,100°)		
-25 ft					23,200° (23,200°)	20,300° (20,300°)	17,700° (17,700°)	15,500° (15,500°)	13,400° (13,400°)	11,400° (11,400°)				

max. reach 79 ft

11 ft														8,900° (8,900°)

Recommended attachments upon request

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

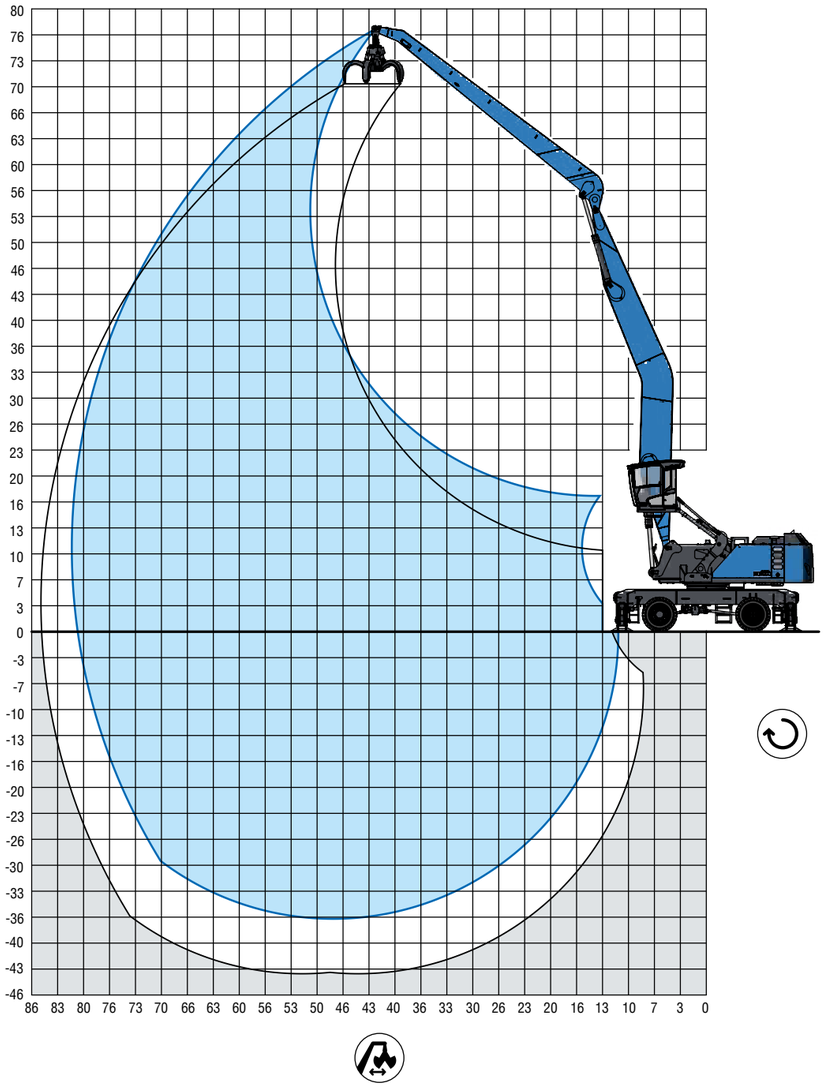
The lift capacity values are stated in imperial pounds (lbs). In accordance with ISO 10567, the lift capacity values represents 75% of the static tipping loads or 87% of the hydraulic lifting force (marked °). On solid and level ground the values apply to a swing range of 360°. The (…) values apply in 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.

MHL390 F

REACH

80'5" with banana boom

Boom: 43'8" · Dipper stick: 36'1" · Cactus grab: 1 yd³



[ft]

LIFTING CAPACITY

		20 ft	25 ft	30 ft	35 ft	40 ft	45 ft	50 ft	55 ft	60 ft	65 ft	70 ft	75 ft	80 ft
75 ft							11,900° (11,900)							
70 ft								12,400° (12,400°)						
65 ft								15,300° (15,300°)	12,400° (12,400°)					
60 ft									14,200° (14,200°)	11,800° (11,800°)				
55 ft									14,100° (14,100°)	13,200° (13,200°)	10,800° (10,800°)			
50 ft									14,100° (14,100°)	13,100° (13,100°)	12,300° (12,300°)	8,900° (8,900°)		
45 ft								15,300° (15,300°)	14,200° (14,200°)	13,200° (13,200°)	12,300° (12,300°)	11,500° (11,500°)		
40 ft								15,500° (15,500°)	14,300° (14,300°)	13,200° (13,200°)	12,300° (12,300°)	11,500° (11,500°)	8,800° (8,800°)	
35 ft								15,800° (15,800°)	14,500° (14,500°)	13,400° (13,400°)	12,400° (12,400°)	11,600° (11,600°)	10,800° (10,800°)	
30 ft							17,800° (17,800°)	16,100° (16,100°)	14,700° (14,700°)	13,500° (13,500°)	12,500° (12,500°)	11,600° (11,600°)	10,800° (10,800°)	
25 ft						20,700° (20,700°)	18,400° (18,400°)	16,500° (16,500°)	15,000° (15,000°)	13,700° (13,700°)	12,600° (12,600°)	11,700° (11,700°)	10,800° (10,800°)	8,200° (8,200°)
20 ft				29,700° (29,700°)	25,000° (25,000°)	21,600° (21,600°)	19,000° (19,000°)	16,900° (16,900°)	15,300° (15,300°)	13,900° (13,900°)	12,800° (12,800°)	11,800° (11,800°)	10,900° (10,900°)	9,500° (9,500°)
15 ft		54,000° (54,000°)	39,800° (39,800°)	31,600° (31,600°)	26,200° (26,200°)	22,400° (22,400°)	19,500° (19,500°)	17,300° (17,300°)	15,600° (15,600°)	14,100° (14,100°)	12,900° (12,900°)	11,800° (11,800°)	10,900° (10,900°)	9,900° (9,900°)
10 ft		19,000° (19,000°)	42,400° (42,400°)	33,200° (33,200°)	27,300° (27,300°)	23,100° (23,100°)	20,100° (20,100°)	17,700° (17,700°)	15,800° (15,800°)	14,300° (14,300°)	13,000° (13,000°)	11,900° (11,900°)	10,800° (10,800°)	9,800° (9,800°)
5 ft		12,500° (12,500°)	25,500° (25,500°)	34,300° (34,300°)	28,000° (28,000°)	23,700° (23,700°)	20,500° (20,500°)	18,000° (18,000°)	16,000° (16,000°)	14,400° (14,400°)	13,000° (13,000°)	11,800° (11,800°)	10,800° (10,800°)	9,700° (9,700°)
0 ft		11,600° (11,600°)	19,700° (19,700°)	34,700° (34,700°)	28,500° (28,500°)	24,000° (24,000°)	20,700° (20,700°)	18,100° (18,100°)	16,100° (16,100°)	14,400° (14,400°)	13,000° (13,000°)	11,800° (11,800°)	10,600° (10,600°)	9,400° (9,400°)
-5 ft		12,200° (12,200°)	18,100° (18,100°)	28,500° (28,500°)	28,500° (28,500°)	24,100° (24,100°)	20,700° (20,700°)	18,100° (18,100°)	16,100° (16,100°)	14,400° (14,400°)	12,900° (12,900°)	11,600° (11,600°)	10,400° (10,400°)	
-10 ft		13,300° (13,300°)	18,000° (18,000°)	26,000° (26,000°)	28,100° (28,100°)	23,800° (23,800°)	20,500° (20,500°)	18,000° (18,000°)	15,900° (15,900°)	14,100° (14,100°)	12,600° (12,600°)	11,300° (11,300°)	9,900° (9,900°)	
-15 ft		14,500° (14,500°)	18,600° (18,600°)	25,300° (25,300°)	27,200° (27,200°)	23,200° (23,200°)	20,100° (20,100°)	17,600° (17,600°)	15,500° (15,500°)	13,800° (13,800°)	12,200° (12,200°)	10,800° (10,800°)	9,300° (9,300°)	
-20 ft		15,700° (15,700°)	19,400° (19,400°)	25,300° (25,300°)	25,900° (25,900°)	22,200° (22,200°)	19,300° (19,300°)	16,900° (16,900°)	14,900° (14,900°)	13,200° (13,200°)	11,600° (11,600°)	10,000° (10,000°)		
-25 ft			20,400° (20,400°)	25,900° (25,900°)	24,100° (24,100°)	20,800° (20,800°)	18,200° (18,200°)	15,900° (15,900°)	14,000° (14,000°)	12,300° (12,300°)	10,600° (10,600°)	8,900° (8,900°)		
-30 ft				25,000° (25,000°)	21,700° (21,700°)	18,900° (18,900°)	16,600° (16,600°)	14,500° (14,500°)	12,700° (12,700°)	11,000° (11,000°)	9,200° (9,200°)			
-35 ft						16,500° (16,500°)	14,500° (14,500°)	12,700° (12,700°)	10,900° (10,900°)					

max. reach 80,2 ft

11 ft														8,400° (8,400°)

Recommended attachments upon request

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

The lift capacity values are stated in imperial pounds (lbs). 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 hook, 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.

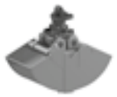
MODULAR SYSTEM

Attachments

Cactus grab

Timber grapple

Magnet plate



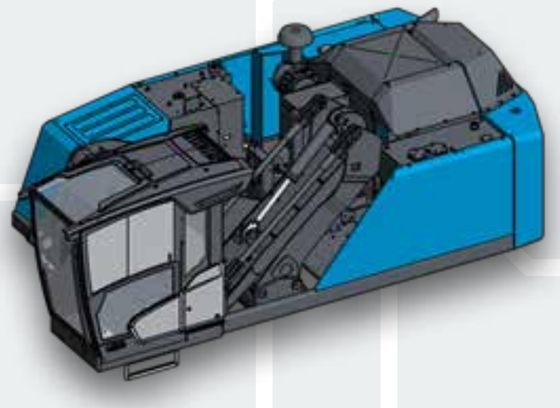
Clamshell grab

Load hook

Work Equipment

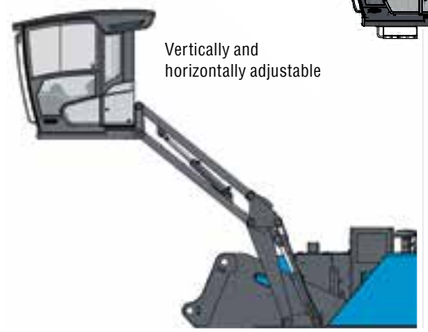
Straight

Banana boom

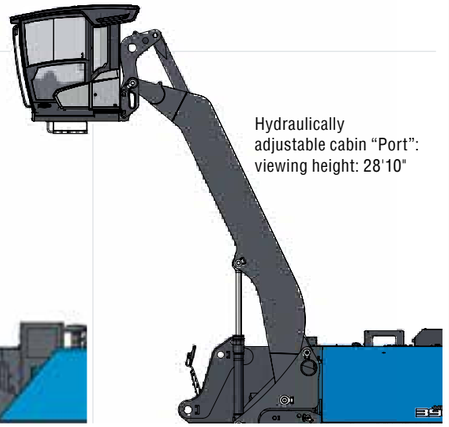


Cab Systems

Vertically adjustable



Vertically and horizontally adjustable



Hydraulically adjustable cabin “Port”: viewing height: 28'10"

Engines

Diesel engine

Electric motor

Options

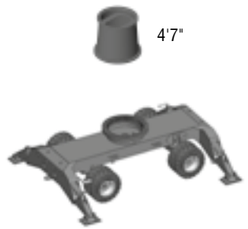
Cable reel

Cable drum

Undercarriage

Standard-undercarriage

Standard-undercarriage

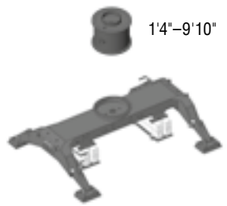


XL-undercarriage

Crawler

Crawler

Crawler: XL-undercarriage



AHL standard-undercarriage

AHL Pylon

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