MATERIAL HANDLER | F-SERIES











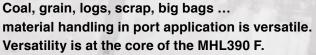
300 kW

76.2–87.0t up to **24.5** m



RAISE YOUR DEMANDS.
AND YOUR CABIN.

Making light work of heavy duty.



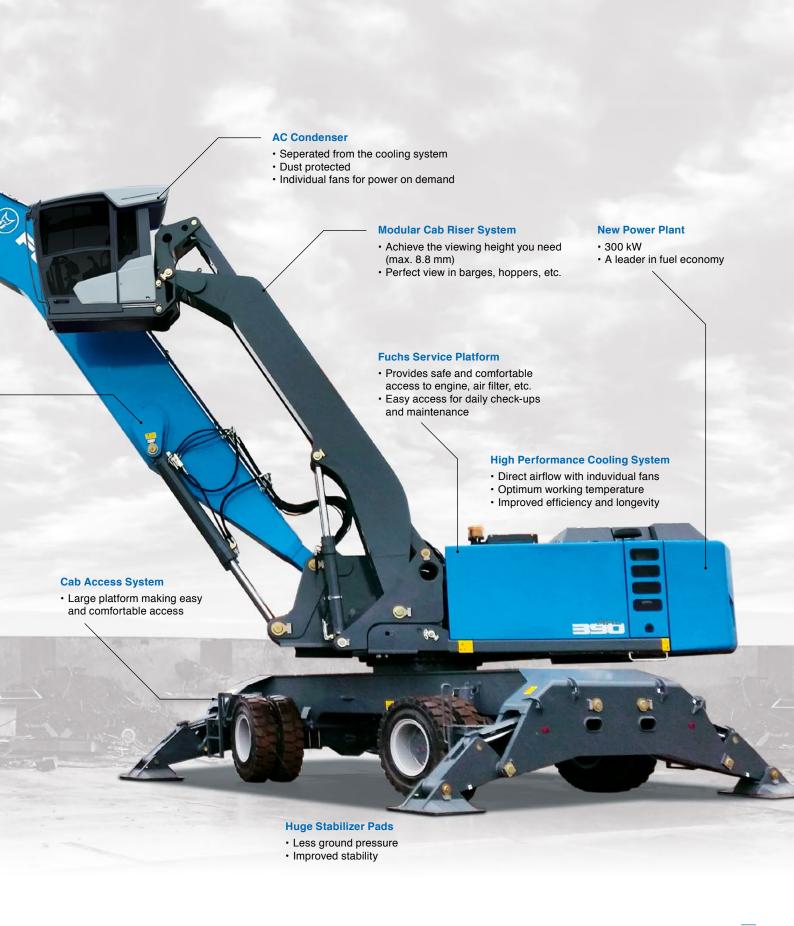
Whether it is a diesel or electric motor, a tracked or mobile undercarriage or a pylon, the MHL390 F can be modified to meet your specific requirements. Even the standard equipment of our MHL390 F delivers a compelling package for industrial material handling. With the powerful and fuel efficient 300 kW diesel engine, 22 m reach (max. 24.5 m), two slew drives and the unique Fuchs service platform, we have prepared the MHL390 F for the most challenging business. Your business.



CHOOSE PROGRESS.

Choose Fuchs – for efficient material handling.





EQUIPMENT AND OPTIONS.

The latest technology, tailor made for you



Joystick Steering*

- · Improved visibility
- Increased legroom and comfort



Cab Riser "Port"*

- · Easy access at ground level
- · Superior overview



Tracked Undercarriage*

- · Even more stability
- · Less ground pressure
- · Flat shoes or triple grousers



Rear and Side View Cameras

- · Nightvision as an extra safety feature
- 360° surround view system on demand



Float Switch*

- · Lifts the boom automatically if too much pressure is applied
- Protects sensitive surfaces like the floor of barges



Cab Floor Viewing Panel*

- · Improved visibility
- · Perfect for (un)loading barges, feeding of hoppers, etc.

THE NEW FUCHS CABIN.

Handling of rough materials made easy and comfortable.

The design motif of the Fox Cab is the mammal from which it takes its name. The silhouette of the fox's head is reflected subtly in the stylistic idioms. This design produces an unmistakable branding effect. The aim is not only brand recognition, but also to make a connection with the machine operator: repeating, familiar elements elevate the emotional bond to the product. The Fox Cab

has been specially designed for loading machines and did not have to be subjected to any compromises as a result. This provides the user with great benefits in terms of ergonomics.

Skylight · Shape and size provide best-possible visibility in terms of usage conditions of a handling machine · Allows as little sunlight as possible into the cab **Multi-function Touch Monitor** · Central operating terminal for all functions · Large, easily legible display Ergonomically positioned at ideal height and distance **Downward-facing** Windshield · Improved visibility for use

as a handling machine

- · Additional shading from solar radiation
- · Shielding effect also provides excellent visibility in the rain

Spacious Refrigeration Compartment

- · In characteristic fox-head shape
- · Provides space for drinks, snacks, and medicines

Perfect Space Utilization

- · Spacious storage options and deep stowage compartments
- · Thoughtful smartphone holder with charger
- Simple cleaning due to avoidance of brackets and tight corners

Unique Sliding Door

· Highly convenient access through above averagesized entry hatch.



TECHNICAL DATA

SERVICE WEIGHT WITHOUT ATTACHMENT

MHL390 F	76.2–87.0 t
RHL390 F	86.2-97.0 t

DIESEL ENGINE		
	EPA Tier 4 final / EU Stage IV	EPA Tier III / COM III
Manufacturer and model	Deutz TCD 12.0 V6 4V	Deutz TCD 2015 V06 4V
Design	6-cylinder-V-engine	6-cylinder V-engine
Engine control	EMR III / EMR IV	EMR III
Туре	4-stroke-diesel, common- rail-direct injection, turbo charger, intercoo- ler, automatic exhaust aftertreatment-system with double SCR cat	4-stroke diesel, direct injection, unit pump system, turbo-charger with intercooling
Engine output	300 kW	273 kW
Nominal speed	1,800 rpm	1,800 rpm
Displacement	12.0	12.0
Cooling system	Combi-cooler (coolant / charge air) with fan speed control and reversing fan as an option	Combi-cooler (coolant / charge air) with fan speed control and rever- sing fan as an option
Exhaust emision standard	EPA Tier 4 final / EU stage IV	EPA Tier III / COM IIIA
Air filter design	Two stage filter with safety cartridge and pre-separator with discharge valve	Two-stage filter with safety valve
Fuel tank	822 I Diesel	822 I Diesel

ELECTRICAL SYSTEM

DEF / Urea tank

Operating Voltage	24 V
Battery	2 × 12 V / 170 Ah / 950 A
Lights	$1\times H3$ spotlight on upper carriage $1\times H3$ spotlight on cabin floor turn signals and rear side marker lamps
Alternator	28 V / 100 A
Option	30 kW direct current generator with insulation control, direct driven via v-belt

85 I AdBlue

TRANSMISSION

Hydrostatic drive through infinitely variable axial piston motor and directly mounted travel brake valves, flanged to a transfer box, all-wheel drive

Travel speed	0-8 kph
Gradeability	max. 11 %
Turning radius	9.9 m

SWING DRIVE

Swing gear	Internally toothed ball ring gear (double row)
Drive	Two two-stage planetary gears with integrated multi-disc brake, closed circuit
Swing speed	0-6 rpm infinitely variable
Rotating interlock	Electrically operated
Swing torque	164 kNm

UNDERCARRIAGE

Front axle	Planetary drive axle with integrated drum brake, rigidly mounted, max. steering angle: 30°
Rear axle	Oscillating planetary drive rear axle with integrated drum brake and selectable oscillating axle lock
Stabilizers	4-point stabilizers
Tires	Solid rubber, elastic, 8-fold, with intermediate rings

BRAKE SYSTEM

Service brake	Hydraulic single-circuit braking system acting on all wheels
Parking brake	Electrically operated disc brake on rear axle, acting on both front and rear axles via transfer gear

HYDRAULIC SYSTEM

Max. pump capacity	640 lpm + 200 lpm in the swing circuit
Max. operating pressure	320 / 360 bar
Hydraulic oil tank	690 I
Cooling system	Separated cooler with fan speed control system; optional reversing function
Available hydraulic oils	Hydraulic oil Xtreme Temp Hydraulik oil Renolin B15 VG46 Hydraulic oil Panolin HLP Synth. 46 bio-degradeable

OPERATOR'S CAB

Monitoring

Cab	Infinitely variable hydraulically height adjustable with a max. eye level of 6.4 m (as option: independently horizontally adjustable by up to 2.2 m or cab riser "Port" with a max. eye level of 8.8 m and access from ground level)
	Sound and heat insulated panoramic windows for optimum all-round view, windshield with pull-down sunblind, visibility panel in cab roof, sliding window in cab door, sliding door.
Air-conditioning	Automatic air-conditioning. Infinitely variable heating with 8-speed fan, 10 adjustable air nozzles, 3 defroster nozzles (hot water system).
Operator's seat	Air-cushioned comfort-seat with integrated headrest, safety belt and lumbar support, seat heating with integrated A/C function optional. Comfortable operation with multi-purpose adjustment options for seat position, seat inclination, seat cushion placement in relation to

armrests and pilot control units.

Ergonomic layout; glare-free instrumentation.

Multi-function touch display, automatic monitoring and recording of abnormal operating conditions (including all hydraulic oil filters, hydraulic oil temperature (cold / hot) coolant temperature and charge air temperature), visual and audible warning indication with shutdown of pilot controls/ engine power reduction. Diagnosis of individual

sensors available via the multi-function display. Rear view camera and side view camera.

Automatic AC and air conditioned stowage compartment

Air conditioning Automatic AC and air conditioned stow

Sound levels Sound power level (ambience)

L_{wa} 106,2 dB(A) (metered) acc. to directive 2000/14/EG L_{wa} 106 dB(A) (guaranteed) acc. to directive 2000/14/EG

Sound pressure level (inside the cabin) acc. to directive ISO 6396 $L_{_{PA}}\,73\;dB(A)$

OFFICIAL HOMOLOGATION

Certification according to EG machinery directive 2006/42/EG



EQUIPMENT

ENGINE	Standard	Option
Turbo charger	•	
Intercooler	•	
Direct electronic fuel injection	•	
Advanced automatic idle incl. engine shut-off function	•	
Engine pre-heating		•
Engine diagnostic interface	•	
Temperature-controlled fan drive	•	
UNDERCARRIAGE		
4-point stabilizers	•	
4-point stabilizers, individually controllable		•
Stabilizer cylinders with integrated two-way check valves	•	
All-wheel drive	•	
Piston rod protection on stabilizer cylinders	•	
Rear axle oscillating lock	•	
Drum brakes	•	
Tool box	•	
UPPERCARRIAGE		
Electric diesel refuelling pump		
Lighting protection		•
Maintenance hood with mechanical locking device		
Lockable cleaning access openings on radiators		
Separate cooling systems for engine and hydraulic oil cooler	•	
Automatic central lubrication system	•	
Reversing alarm		•
Special paint		•
Quick drain valve on Diesel tank	•	
Quick drain valve on hydraulic oil tank	•	
Quick drain valve on radiator	•	
Quick drain valve on engine-oil pan	•	
Reversing fan for coolant and hydraulic oil		•
CAB		
Skylight in cab roof Air cushioned operator's seat with head-root		
Air cushioned operator's seat with head-rest, safety belt and lumbar-support	•	
FOPS protective guard		•
Front / roof protective guard		•
Reinforced glass (windscreen and roof panel)		•
Cab system vertically adjustable	•	
Cab system horizontally and vertically adjustable		•
Cab system "Port"		•

CAB	Standard	Option
Cab lift system can be moved horizontally and vertically		•
Cab riser "Port"* incl. 360° camera system		•
Steering column, height and tilt adjustable (instead of joystick steering)	•	
Multi-function touch display	•	
Fire extinguisher, dry powder		•
Radio USB & Bluetooth		•
Rotating beacon with travel alarm		•
Sliding window in cab door	•	
Safety glass	•	
Seat heating with integrated A/C function		•
Engine-independent heating		•
Windshield washer system	•	
Roof window washer system		•
12 V socket	•	
EQUIPMENT		
Spotlights attached to cab floor	•	
Spotlights mounted to superstructure	•	
Working light stick (1×)	•	
Load limit control	•	
Hydraulic oil preheating		•
Close proximity range limiter for dipper stick	•	
Coolant and hydraulic oil level monitoring system	•	
Hose rupture safety valves for boom cylinders	•	
Hose rupture safety valves for stick cylinders	•	
Lubrication of the grab suspension by central lubrication system	•	
LED front headlights	•	
LED light packages		•
Quick-connect coupling on dipper stick	•	
Filter system for attachments		•
Rear view camera	•	
Side view camera	•	
360° bird view camera system		•
Overload warning system basic		•
Overload warning and reach limitation system		•
Float switch for barge unloading		•
Fuchs Telematics System, incl. 2 years service	•	

Further optional equipment available on request!

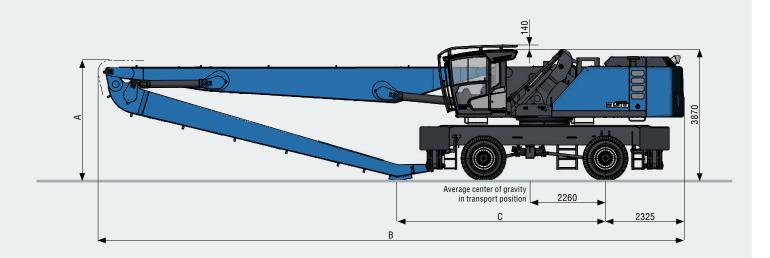


DIMENSIONS Maximum viewing height 6440 mm according to ISO 3411 WITH VERTICALLY AND HORIZONTALLY ADJUSTABLE CABIN All dimensions in mm WITH "PORT" CAB RISER All dimensions in mm 445 * Viewing height 12,495



TRANSPORT DIMENSIONS

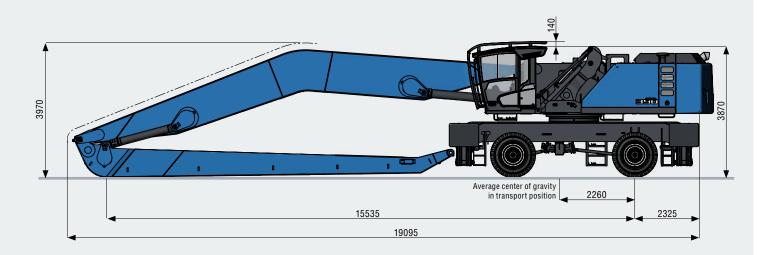
All dimensions in mm



Dimensions	Reach 22 m	Reach 24 m	
A	3560 mm	3480 mm	
В	17315 mm	18665 mm	
C	6165 mm	6350 mm	

WORK EQUIPMENT BANANA BOOM

All dimensions in mm Reach 24.5 m





WORKING RANGE

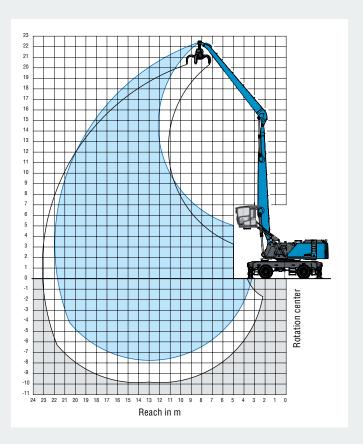
REACH 22 M WITH DIPPER STICK

Loading equipment Boom 11.35 m
Dipper stick 9.9 m
Multi-tine grapple

RECOMMENDED ATTACHMENTS

Lift hooks	20 t
Multi-tine grapple 0.8 m³	Open or half-closed shells
Multi-tine grapple 1.0 m³	Open or half-closed shells
Multi-tine grapple 1.2 m³	Open or half-closed shells
Multi-tine grapple 1.4 m³	Open or half-closed shells
Clamshell grab 1.4 m³	Loose goods density up to 2,000 kg/m³
Clamshell grab 1.6 m³	Loose goods density up to 1,700 kg/m³
Clamshell grab 2.0 m³	Loose goods density up to 1,200 kg/m³
Clamshell grab > 2.0 m³ on demand	

The lift capacity values are stated in metric tons (t). The pump pressure is 360 bar. 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. For object handling application the machine has to be supported on a level ground.



LIFTING CAPACITY

	Undercarriage outrigger	e Reach [m]												
[m]		6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21		
21	4-point supported				7.9° (7.9°)									
19.5	4-point supported					8.2° (8.2°)	6.1° (6.1°)							
18	4-point supported					9.5° (9.5°)	8.2° (8.2°)	6.2° (6.2°)						
16.5	4-point supported					9.6° (9.6°)	8.9° (8.9°)	7.9° (7.9°)	5.8° (5.8°)					
15	4-point supported						8.8° (8.8°)	8.2° (8.2°)	7.5° (7.5°)	4.9° (4.9°)				
13.5	4-point supported					9.5° (9.5°)	8.8° (8.8°)	8.2° (8.2°)	7.7° (7.7°)	6.7° (6.7°)				
12	4-point supported					9.6° (9.6°)	8.9° (8.9°)	8.2° (8.2°)	7.7° (7.7°)	7.2° (7.2°)	5.3° (5.3°)			
10.5	4-point supported					9.8° (9.8°)	9.0° (9.0°)	8.3° (8.3°)	7.7° (7.7°)	7.2° (7.2°)	6.7° (6.7°)			
9	4-point supported				11.3° (11.3°)	10.2° (10.2°)	9.2° (9.2°)	8.5° (8.5°)	7.8° (7.8°)	7.3° (7.3°)	6.7° (6.7°)	4.4° (4.4°)		
7.5	4-point supported			13.5° (13.5°)	11.9° (11.9°)	10.6° (10.6°)	9.5° (9.5°)	8.7° (8.7°)	8.0° (8.0°)	7.3° (7.3°)	6.8° (6.8°)	5.5° (5.5°)		
6	4-point supported		17.5° (17.5°)	14.6° (14.6°)	12.5° (12.5°)	11.0° (11.0°)	9.8° (9.8°)	8.9° (8.9°)	8.1° (8.1°)	7.4° (7.4°)	6.8° (6.8°)	6.2° (6.2°)		
4.5	4-point supported	25.6° (25.6°)	19.4° (19.4°)	15.7° (15.7°)	13.2° (13.2°)	11.5° (11.5°)	10.1° (10.1°)	9.1° (9.1°)	8.2° (8.2°)	7.4° (7.4°)	6.8° (6.8°)	6.1° (6.1°)		
3	4-point supported	23.0° (23.0°)	21.0° (21.0°)	16.7° (16.7°)	13.8 (13.8°)	11.9° (11.9°)	10.4° (10.4°)	9.2° (9.2°)	8.3° (8.3°)	7.5° (7.5°)	6.7° (6.7°)	6.0° (6.0°)		
1.5	4-point supported	9.7° (9.7°)	22.0° (22.0°)	17.3° (17.3°)	14.3° (14.3°)	12.1° (12.1°)	10.5° (10.5°)	9.3° (9.3°)	8.3° (8.3°)	7.4° (7.4°)	6.6° (6.6°)	5.8° (5.8°)		
0	4-point supported	7.9° (7.9°)	15.0° (15.0°)	17.5° (17.5°)	14.4° (14.4°)	12.2° (12.2°)	10.6° (10.6°)	9.3° (9.3°)	8.2° (8.2°)	7.3° (7.3°)	6.5° (6.5°)	5.6° (5.6°)		
-1.5	4-point supported	7.9° (7.9°)	12.7° (12.7°)	17.3° (17.3°)	14.3° (14.3°)	12.1° (12.1°)	10.5° (10.5°)	9.2° (9.2°)	8.1° (8.1°)	7.1° (7.1°)	6.2° (6.2°)	5.2° (5.2°)		
-3	4-point supported	8.4° (8.4°)	12.1° (12.1°)	16.6° (16.6°)	13.9° (13.9°)	11.8° (11.8°)	10.2° (10.2°)	8.9° (8.9°)	7.8° (7.8°)	6.7° (6.7°)	5.8° (5.8°)			
-4.5	4-point supported	9.0° (9.0°)	12.3° (12.3°)	15.5° (15.5°)	13.1° (13.1°)	11.2° (11.2°)	9.6° (9.6°)	8.4° (8.4°)	7.2° (7.2°)	6.2° (6.2°)	5.1° (5.1°)			
-6	4-point supported		12.7° (12.7°)	13.9° (13.9°)	11.9° (11.9°)	10.2° (10.2°)	8.8° (8.8°)	7.6° (7.6°)	6.5° (6.5°)	5.4° (5.4°)				
-7.5	4-point supported					8.9° (8.9°)	7.7° (7.7°)							
											Max.	reach 21.8 m		
3.3	4-point supported											4.6° (4.6°)		



WORKING RANGE

REACH 24 M WITH DIPPER STICK

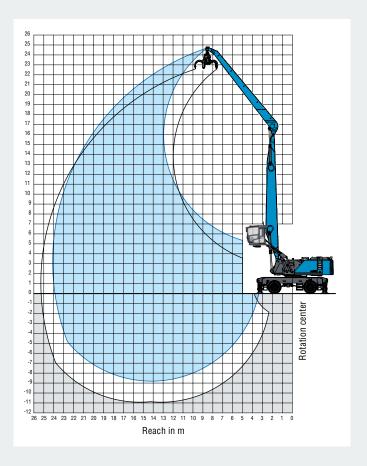
Loading equipment

Dipper stick 11.0 m Multi-tine grapple

RECOMMENDED ATTACHMENTS

Lift hooks	20 t
Multi-tine grapple 0.8 m³	Open or half-closed shells
Multi-tine grapple 1.0 m³	Open or half-closed shells
Multi-tine grapple 1.2 m³	Open or half-closed shells
Multi-tine grapple 1.4 m³	Open or half-closed shells
Clamshell grab 1.4 m³	Loose goods density up to 2,000 kg/m³
Clamshell grab 1.6 m³	Loose goods density up to 1,700 kg/m $^{\rm 3}$
Clamshell grab 2.0 m³	Loose goods density up to 1,200 kg/m³
Clamshell grab > 2.0 m ³ on demand	

The lift capacity values are stated in metric tons (t). The pump pressure is 360 bar. 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. For object handling application the machine has to be supported on a level ground.



LIFTING CAPACITY

Height	Undercarriage													
[m]	outrigger	6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21	22.5	24
22.5	4-point supported					7.1° (7.1°)								
21	4-point supported					8.3° (8.3°)	7.2° (7.2°)	5.7° (5.7°)						
19.5	4-point supported						8.3° (8.3°)	7.2° (7.2°)	5.6° (5.6°)					
18	4-point supported						9.0° (9.0°)	8.1° (8.1°)	7.0° (7.0°)	5.3° (5.3°)				
16.5	4-point supported						9.0° (9.0°)	8.3° (8.3°)	7.7° (7.7°)	6.6° (6.6°)	4.7° (4.7°)			
15	4-point supported						9.0° (9.0°)	8.3° (8.3°)	7.7° (7.7°)	7.1° (7.1°)	6.1° (6.1°)			
13.5	4-point supported						9.1° (9.1°)	8.3° (8.3°)	7.7° (7.7°)	7.1° (7.1°)	6.6° (6.6°)	5.1° (5.1°)		
12	4-point supported						9.2° (9.2°)	8.4° (8.4°)	7.7° (7.7°)	7.1° (7.1°)	6.6° (6.6°)	6.1° (6.1°)		
10.5	4-point supported					10.4° (10.4°)	9.4° (9.4°)	8.5° (8.5°)	7.8° (7.8°)	7.2° (7.2°)	6.6° (6.6°)	6.1° (6.1°)	4.7° (4.7°)	
9	4-point supported				12.1° (12.1°)	10.7° (10.7°)	9.6° (9.6°)	8.7° (8.7°)	7.9° (7.9°)	7.2° (7.2°)	6.7° (6.7°)	6.2° (6.2°)	5.6° (5.6°)	
7.5	4-point supported			14.7° (14.7°)	12.6° (12.6°)	11.0° (11.0°)	9.8° (9.8°)	8.8° (8.8°)	8.0° (8.0°)	7.3° (7.3°)	6.7° (6.7°)	6.2° (6.2°)	5.6° (5.6°)	
6	4-point supported		18.7° (18.7°)	15.6° (15.6°)	13.2° (13.2°)	11.4° (11.4°)	10.1° (10.1°)	9.0° (9.0°)	8.1° (8.1°)	7.4° (7.4°)	6.7° (6.7°)	6.1° (6.1°)	5.6° (5.6°)	
4.5	4-point supported	27.6° (27.6°)	20.6° (20.6°)	16.5° (16.5°)	13.8° (13.8°)	11.8° (11.8°)	10.3° (10.3°)	9.2° (9.2°)	8.2° (8.2°)	7.4° (7.4°)	6.7° (6.7°)	6.1° (6.1°)	5.5° (5.5°)	4.2° (4.2°
3	4-point supported	12.6° (12.6°)	21.8° (21.8°)	17.2° (17.2°)	14.2° (14.2°)	12.1° (12.1°)	10.5° (10.5°)	9.3° (9.3°)	8.3° (8.3°)	7.4° (7.4°)	6.7° (6.7°)	6.1° (6.1°)	5.5° (5.5°)	4.4° (4.4°)
1.5	4-point supported	6.5° (6.5°)	14.9° (14.9°)	17.6° (17.6°)	14.5° (14.5°)	12.3° (12.3°)	10.6° (10.6°)	9.3° (9.3°)	8.3° (8.3°)	7.4° (7.4°)	6.7° (6.7°)	6.0° (6.0°)	5.3° (5.3°)	4.3° (4.3°
0	4-point supported	5.6° (5.6°)	10.3° (10.3°)	17.6° (17.6°)	14.5° (14.5°)	12.3° (12.3°)	10.6° (10.6°)	9.3° (9.3°)	8.2° (8.2°)	7.3° (7.3°)	6.5° (6.5°)	5.8° (5.8°)	5.1° (5.1°)	
-1.5	4-point supported	5.7° (5.7°)	9.0° (9.0°)	15.2° (15.2°)	14.3° (14.3°)	12.1° (12.1°)	10.5° (10.5°)	9.2° (9.2°)	8.1° (8.1°)	7.2° (7.2°)	6.4° (6.4°)	5.6° (5.6°)	4.8° (4.8°)	
-3	4-point supported	6.2° (6.2°)	8.9° (8.9°)	13.5° (13.5°)	13.8° (13.8°)	11.8° (11.8°)	10.2° (10.2°)	8.9° (8.9°)	7.8° (7.8°)	6.9° (6.9°)	6.1° (6.1°)	5.3° (5.3°)	4.4° (4.4°)	
-4.5	4-point supported	6.8° (6.8°)	9.1° (9.1°)	12.9° (12.9°)	13.0° (13.0°)	11.2° (11.2°)	9.7° (9.7°)	8.5° (8.5°)	7.4° (7.4°)	6.5° (6.5°)	5.7° (5.7°)	4.8° (4.8°)	3.8° (3.8°)	
-6	4-point supported		9.5° (9.5°)	12.9° (12.9°)	11.9° (11.9°)	10.3° (10.3°)	9.0° (9.0°)	7.9° (7.9°)	6.9° (6.9°)	6.0° (6.0°)	5.1° (5.1°)	4.2° (4.2°)		
-7.5	4-point supported				10.5° (10.5°)	9.2° (9.2°)	8.1° (8.1°)	7.0° (7.0°)	6.1° (6.1°)	5.2° (5.2°)				
													Max. re	ach 24.1 m
3.3	4-point supported													4.0° (4.0°)



WORKING RANGE

REACH 24.5 M BANANA BOOM

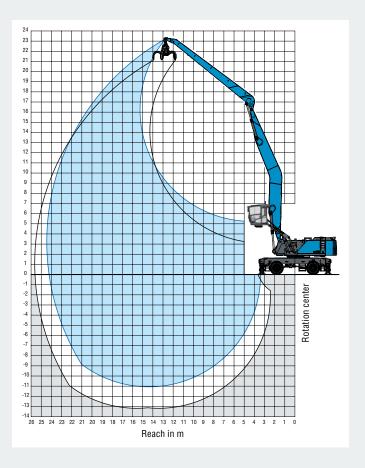
Loading equipmentBoom 13.3 m
Dipper stick 11.0 m

Multi-tine grapple

RECOMMENDED ATTACHMENTS

Lift hooks	20 t
Multi-tine grapple 0.8 m³	Open or half-closed shells
Multi-tine grapple 1.0 m³	Open or half-closed shells
Multi-tine grapple 1.2 m³	Open or half-closed shells
Multi-tine grapple 1.4 m³	Open or half-closed shells
Clamshell grab 1.4 m³	Loose goods density up to 2,000 \mbox{kg}/\mbox{m}^{3}
Clamshell grab 1.6 m³	Loose goods density up to 1,700 kg/m $^{\rm 3}$
Clamshell grab 2.0 m³	Loose goods density up to 1,200 kg/m³
Clamshell grab > 2.0 m³ on demand	

The lift capacity values are stated in metric tons (t). The pump pressure is 360 bar. 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. For object handling application the machine has to be supported on a level ground.



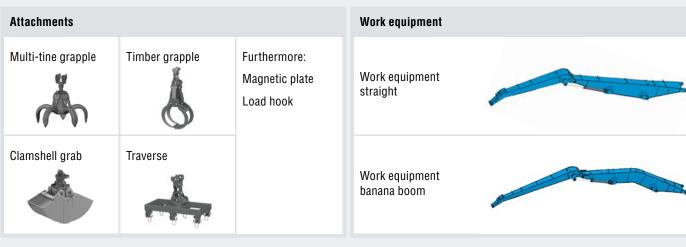
LIFTING CAPACITY

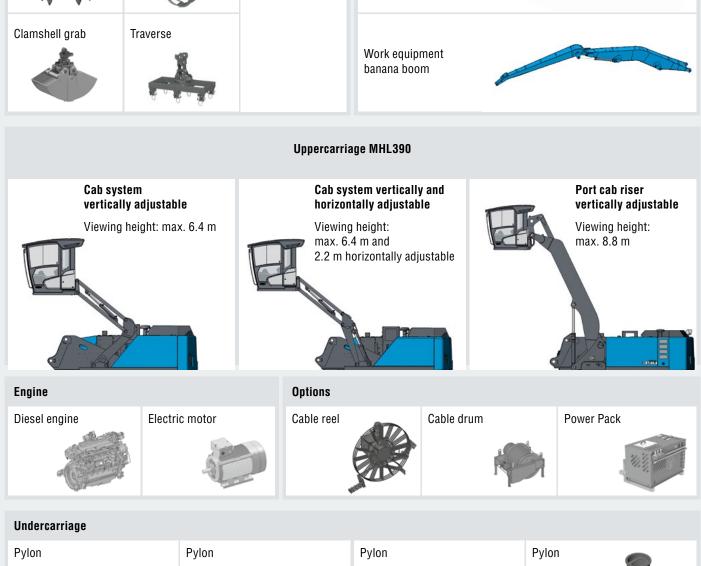
	Undercarriage	ercarriage Reach [m]												
[m]	outrigger	6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21	22.5	24
22.5	4-point supported						5.4° (5.4°)							
21	4-point supported							5.7° (5.7°)						
19.5	4-point supported							7.0° (7.0°)	5.6° (5.6°)					
18	4-point supported								6.5° (6.5°)	5.4° (5.4°)				
16.5	4-point supported								6.4° (6.4°)	6.0° (6.0°)	4.9° (4.9°)			
15	4-point supported								6.4° (6.4°)	6.0° (6.0°)	5.6° (5.6°)	4.1° (4.1°)		
13.5	4-point supported							7.0° (7.0°)	6.4° (6.4°)	6.0° (6.0°)	5.6° (5.6°)	5.3° (5.3°)		
12	4-point supported							7.1° (7.1°)	6.5° (6.5°)	6.0° (6.0°)	5.6° (5.6°)	5.3° (5.3°)	4.0° (4.0°)	
10.5	4-point supported							7.2° (7.2°)	6.6° (6.6°)	6.1° (6.1°)	5.7° (5.7°)	5.3° (5.3°)	4.9° (4.9°)	
9	4-point supported						8.1° (8.1°)	7.3° (7.3°)	6.7° (6.7°)	6.2° (6.2°)	5.7° (5.7°)	5.3° (5.3°)	4.9° (4.9°)	
7.5	4-point supported					9.4° (9.4°)	8.4° (8.4°)	7.5° (7.5°)	6.8° (6.8°)	6.3° (6.3°)	5.8° (5.8°)	5.3° (5.3°)	4.9° (4.9°)	3.7° (3.7°)
6	4-point supported			13.5° (13.5°)	11.3° (11.3°)	9.8° (9.8°)	8.6° (8.6°)	7.7° (7.7°)	7.0° (7.0°)	6.3° (6.3°)	5.8° (5.8°)	5.4° (5.4°)	4.9° (4.9°)	4.3° (4.3°)
4.5	4-point supported	24.5° (24.5°)	18.1° (18.1°)	14.3° (14.3°)	11.9° (11.9°)	10.2° (10.2°)	8.9° (8.9°)	7.9° (7.9°)	7.1° (7.1°)	6.4° (6.4°)	5.9° (5.9°)	5.4° (5.4°)	5.0° (5.0°)	4.5° (4.5°)
3	4-point supported	8.6° (8.6°)	19.2° (19.2°)	15.1° (15.1°)	12.4° (12.4°)	10.5° (10.5°)	9.1° (9.1°)	8.1° (8.1°)	7.2° (7.2°)	6.5° (6.5°)	5.9° (5.9°)	5.4° (5.4°)	4.9° (4.9°)	4.5° (4.5°)
1.5	4-point supported	5.7° (5.7°)	11.6° (11.6°)	15.6° (15.6°)	12.7° (12.7°)	10.8° (10.8°)	9.3° (9.3°)	8.2° (8.2°)	7.3° (7.3°)	6.6° (6.6°)	5.9° (5.9°)	5.4° (5.4°)	4.9° (4.9°)	4.4° (4.4°)
0	4-point supported	5.3° (5.3°)	9.0° (9.0°)	15.8° (15.8°)	12.9° (12.9°)	10.9° (10.9°)	9.4° (9.4°)	8.2° (8.2°)	7.3° (7.3°)	6.6° (6.6°)	5.9° (5.9°)	5.4° (5.4°)	4.8° (4.8°)	4.3° (4.3°)
1.5	4-point supported	5.5° (5.5°)	8.2° (8.2°)	12.9° (12.9°)	12.9° (12.9°)	10.9° (10.9°)	9.4° (9.4°)	8.3° (8.3°)	7.3° (7.3°)	6.5° (6.5°)	5.9° (5.9°)	5.3° (5.3°)	4.7° (4.7°)	
-3	4-point supported	6.0° (6.0°)	8.2° (8.2°)	11.8° (11.8°)	12.7° (12.7°)	10.8° (10.8°)	9.3° (9.3°)	8.2° (8.2°)	7.2° (7.2°)	6.4° (6.4°)	5.8° (5.8°)	5.1° (5.1°)	4.5° (4.5°)	
-4.5	4-point supported	6.6° (6.6°)	8.4° (8.4°)	11.5° (11.5°)	12.4° (12.4°)	10.5° (10.5°)	9.1° (9.1°)	8.0° (8.0°)	7.1° (7.1°)	6.3° (6.3°)	5.6° (5.6°)	4.9° (4.9°)	4.2° (4.2°)	
-6	4-point supported	7.1° (7.1°)	8.8° (8.8°)	11.5° (11.5°)	11.8° (11.8°)	10.1° (10.1°)	8.8° (8.8°)	7.7° (7.7°)	6.8° (6.8°)	6.0° (6.0°)	5.3° (5.3°)	4.6° (4.6°)		
-7.5	4-point supported		9.3° (9.3°)	11.8° (11.8°)	10.9° (10.9°)	9.5° (9.5°)	8.3° (8.3°)	7.2° (7.2°)	6.4° (6.4°)	5.6° (5.6°)	4.8° (4.8°)	4.1° (4.1°)		
-9	4-point supported			11.3° (11.3°)	9.9° (9.9°)	8.6° (8.6°)	7.5° (7.5°)	6.6° (6.6°)	5.8° (5.8°)	5.0° (5.0°)	4.2° (4.2°)			
-10.5	4-point supported					7.5° (7.5°)	6.6° (6.6°)	5.8° (5.8°)	5.0° (5.0°)					
													Max. reac	h 24.4 m
3.3	4-point supported													3.8° (3.8°)

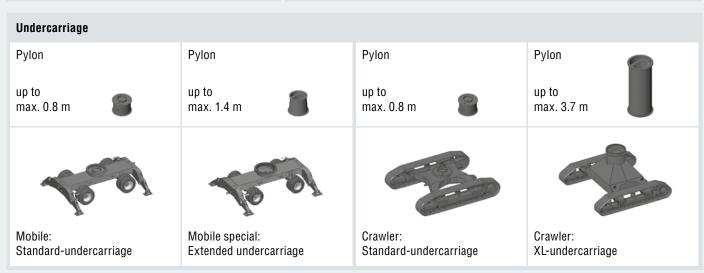
14



MODULAR SYSTEM









Fuchs Telematics System: Recognize and Optimize Potential.

The Fuchs Telematics system: know exactly how and where everything is running.

The system offers a modern solution to help you analyze and optimize the efficiency of your machines. It records and communicates valuable information on the operating status of each individual machine. Where are the machines? How are they working? Is a service check pending? Take advantage of this advanced software and get a handle on your fleet management with the tool that connects for you.



ALL-IN-ONE MACHINE MANAGEMENT. EVERYTHING AT A GLANCE: OPERATING DATA, MACHINE STATUS, GPS DATA

Record, display, and analyse data: high efficiency through precise information

- Available online anywhere and at any time*: comprehensive information on the GPS location, start and stop times, fuel consumption, operating hours, maintenance status, and much more.
- User-friendly interface: displays information clearly for at a glance metrics and diagnostics. Take action before damage occurs: predetermined maintenance intervals are signaled and error messages are displayed in plain text messages.
- The Fuchs Telematics system is optionally available or can be retrofitted into existing machines to help control your operating costs and keep your machines in top shape.

* Internet connection required



