

**Loading Machine** | Efficient handling in modern scrap recycling

# LEADING IN LOADING

**THE NEW AND  
LARGE SPECIALIST  
IN SCRAP RECYCLING**

<b>ENGINE</b>	186 kW 249 HP
<b>WEIGHT</b>	44 t - 46 t 97,003 lbs - 101,413 lbs
<b>REACHES</b>	16.5 m (54') 18 m (59')



- ▶ High-performing, turbocharged Diesel engine rated at 186 kW (249 HP) COM III/ TIER III
- ▶ Operating weight 44 t - 46 t (97,003 lbs - 101,413 lbs)
- ▶ Efficient hydraulic system
- ▶ Improved lifting capacities
- ▶ Multi functional display
- ▶ Low sound power level



SCRAP RECYCLING MACHINE  
**MHL 360**

The machine can be fitted with optional equipments



**THE NEW MHL 360 (SERIES D)  
IS ENGINEERED TO MEET THE  
TOUGH CHALLENGES SET BY  
MATERIAL HANDLING**

- ▶ Better performance: Enormous lifting capacities
- ▶ Lower costs: Optimized economic efficiency
- ▶ Fast working cycles for highest performance in scrap handling
- ▶ High traction performance from 186 KW (249 HP) engine with exceptionally low emission values and sound levels
- ▶ Electronic engine management (EMR III) for superior engine control
- ▶ Multi color display in the cabin allows monitoring essential engine data
- ▶ Up to date design of machine and functions





**ENORMOUS FORCES - WHEN AND WHERE YOU NEED THEM**  
**GH-PERFORMANCE MACHINE**

**MACHINE FORTES**

**AT A GLANCE**

- ▶ Optimized TEREX Fuchs technical components ensure high performance and versatility in scrap handling
- ▶ Efficient and up-to-date 186 kW (249 HP) Deutz turbocharged Diesel engine power (TIER III/COM III/EPA III)
- ▶ Comfortable – not complicated: Luxury in the cockpit for a more productive working day, plus multi-functional display



State-of-the-art, functional design of counterweight, headlamps and fairings





## THE BETTER VIEW

WORK AT A HIGHER LEVEL. CONTROL FROM YOUR WRIST

Our new control system is your reliable partner, no matter what the assignment is. Thanks to a high-resolution color display, all relevant equipment data are all the time within view. You maintain constant awareness of essential operating conditions, such as fuel remaining, coolant temperature or hydraulic fluid temperature.

### DISPLAY FORTES

#### AT A GLANCE

- ▶ Large, easy to scan color-display
- ▶ Servicing and maintenance made easier via rapid screening of all operationally relevant data
- ▶ Comfortable user-interface with intuitively understandable symbols and simple text messages







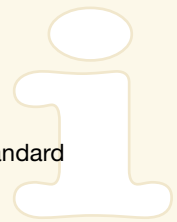
What conditions conduce to high levels of concentration? We've taken great care to develop a cab that integrates a variety of operators' suggestions as standard.



### **CAB FORTES**

### **AT A GLANCE**

- ▶ Unobstructed all-round visibility
- ▶ Ergonomically designed operator station
- ▶ Comfortable orthopedically supportive air cushioned seat
- ▶ Air condition, automatically controlled as standard
- ▶ Adjustable steering column



### **KEEPING OPERATOR FATIGUE TO A MINIMUM**

- ▶ Permanent visual contact with equipment and load through unobstructed all-round visibility in cabin capable of hydraulic elevation and forward motion
- ▶ Light and spacious interior
- ▶ Ergonomically designed operator station that adapts to operator needs and not vice versa

### **COMFORT YOU'D EXPECT AT HOME**

Seat comfort provided by an orthopedically contoured air cushioned seat with lumbar support, arm and headrests.

# INCREASED TORQUE

## IMPROVED FUEL EFFICIENCY

The MHL 360 (series D) is powered by a high-performing 6-cylinder Deutz engine rated at 186 kW (259 HP) @ 2000 RPM.

### THE MACHINE THAT'S EASY ON THE EARS

The new MHL 360 (series D) is extremely quiet – sound levels have been lowered by more than 3 db (A). A low-noise pump and the proven, separate cooling-system with the large radiator and low fan speed contribute to the quiet operation of the machine.

### POWER MANAGEMENT CONTROL - EFFICIENCY AS STANDARD

The new engine offers top-of-the-line technology. The power management control makes optimum use of the engine's performance in every speed range. The engine thus disposes of an efficient overload protection.

### EASY ON THE ENVIRONMENT

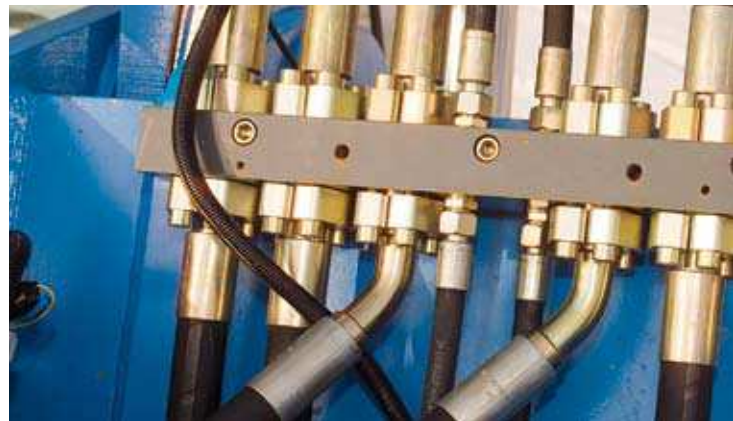
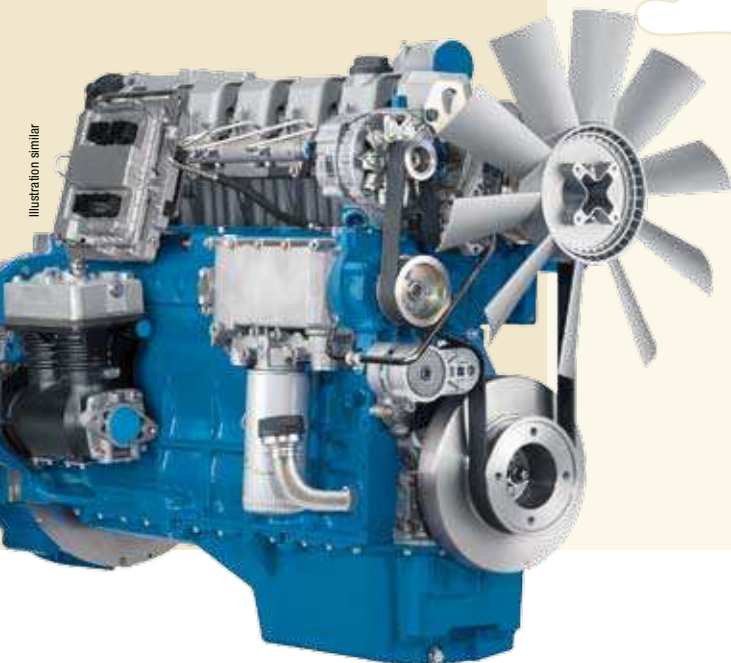
Full compliance with exhaust legislation Tier III (Com III/EPA III).



### ENGINE FORTES

### AT A GLANCE

- ▶ 186 kW (249 HP) strong turbo-charged Deutz engine
- ▶ Low noise emission
- ▶ Optimum performance utilization in every speed range





**EVERANCE**  
**REFRESHING WORK CLIMATE**
**PROVEN  
HYDRAULIC SYSTEM**

The well-proven hydraulic system by TEREX Fuchs provides highest precision and independent motions.

**THE RIGHT  
AMOUNT OF  
POWER**

Whether you're dealing with rapid power cycles or unwieldy loads – the job on hand is provided hydraulic performance at the exact doses needed. Which makes for excellent fuel efficiency and keeps operating costs down. The system more than satisfies through a harmonic, jolt-free operability.

**COOLING SYSTEM FORTES AT A GLANCE**

- ▶ Operating temperature up to 50 °C ambient air temperature
- ▶ Excellent cooling performance and low noise emission
- ▶ Hydrostatically powered oil-cooling fan
- ▶ Thermostatically controlled oil cooling fan speeds
- ▶ Fan drive via viscous coupling in water/charge-air cooling system

**EASY TO SERVICE**

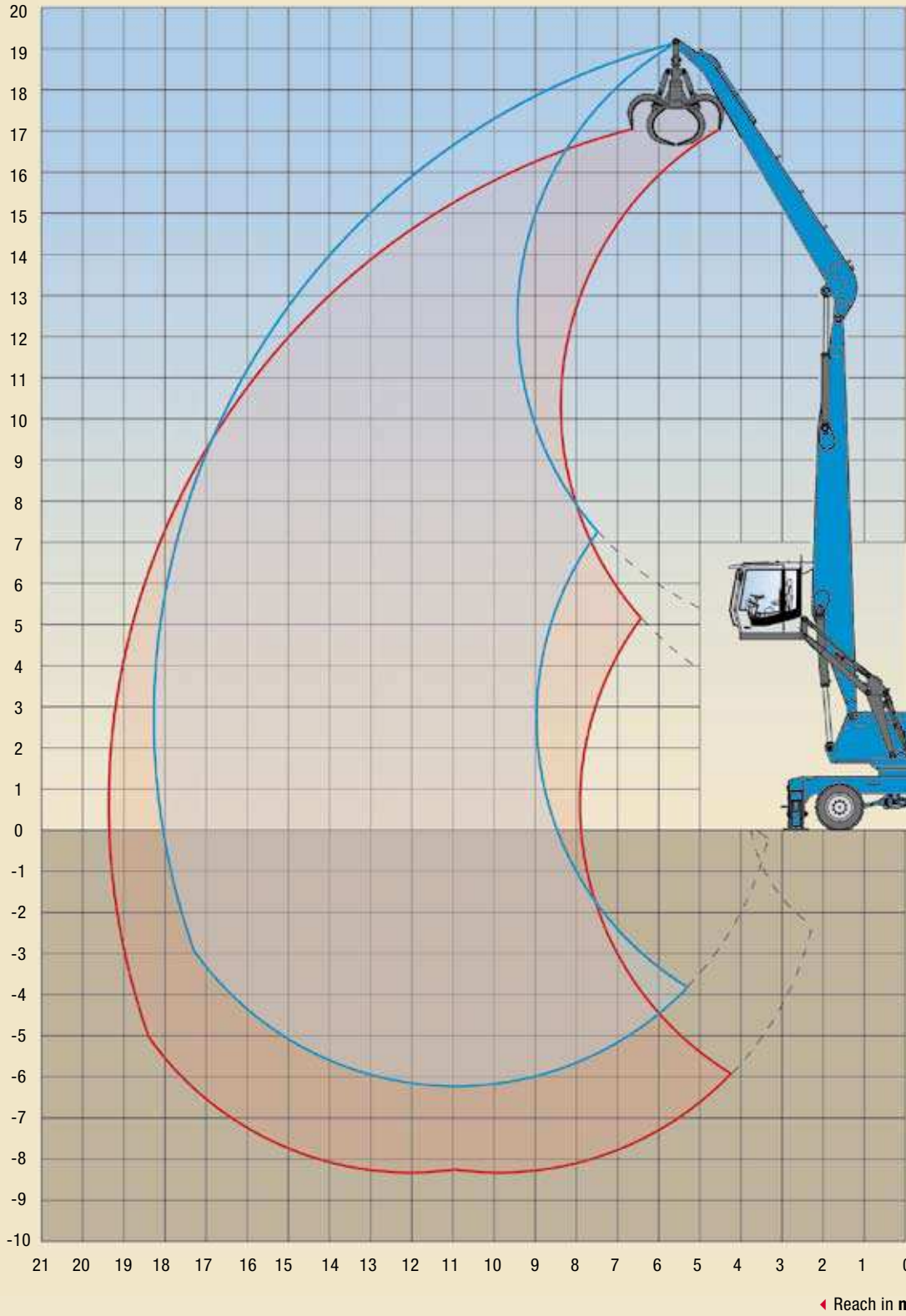
Component parts all defy dirt. The easily accessible maintenance platform substantially facilitates servicing; components are located within easy view and reach. Platform access is via side-mounted maintenance access steps. Radiator, intercooler and oil-cooler are within easy reach from the ground.

The separate cooling system – typical for TEREX Fuchs – maintains ideal temperatures at every point of machine when in operation. Operating temperature is constantly kept at an optimum level.



# WORKING DIAGRAM

MHL 360 (SERIES D) REACH 18 m (59')



Work equipment:  
box-type boom 9.7 m (32'),  
dipperstick 7.8 m (25')



Center of rotation

◀ Reach in m



# LIFTING CAPACITY

## MHL 360 (SERIES D) REACH 18 m (59')

HEIGHT m	UNDERCARRIAGE STABILIZERS	REACHES m										
		4.5	6	7.5	9	10.5	12	13.5	15	16.5	18	
15	non supported				(8.8*)	(6.8)	(5.3)					
	4-pt. supported				8.8* (8.8*)	7.9* (7.9*)	6.3* (6.3*)					
13.5	non supported					(7.0)	(5.5)	(4.3)				
	4-pt. supported					7.7* (7.7*)	7.0* (7.0*)	5.9* (5.9*)				
12	non supported					(7.0)	(5.5)	(4.4)	(3.5)			
	4-pt. supported					7.7* (7.7*)	6.9* (6.9*)	6.3* (6.3*)	5.1* (5.1*)			
10.5	non supported					(6.9)	(5.4)	(4.4)	(3.5)			
	4-pt. supported					7.7* (7.7*)	6.9* (6.9*)	6.3* (6.3*)	5.4 (5.7*)			
9	non supported				(8.8)	(6.7)	(5.3)	(4.3)	(3.5)	(2.8)		
	4-pt. supported				9.0* (9.0*)	7.9* (7.9*)	7.0* (7.0*)	6.3* (6.3*)	5.4 (5.7*)	4.5 (5.1*)		
7.5	non supported				(8.4)	(6.5)	(5.2)	(4.2)	(3.4)	(2.8)		
	4-pt. supported				9.3* (9.3*)	8.1* (8.1*)	7.2* (7.2*)	6.4* (6.4*)	5.3 (5.7*)	4.5 (5.1*)		
6	non supported			(10.7)	(8.0)	(6.2)	(4.9)	(4.0)	(3.3)	(2.7)		
	4-pt. supported			11.8* (11.8*)	9.8* (9.8*)	8.4* (8.4*)	7.3* (7.3*)	6.2 (6.5*)	5.2 (5.7*)	4.4 (5.1*)		
4.5	non supported	(17.0)	(13.7)	(9.8)	(7.4)	(5.8)	(4.7)	(3.9)	(3.2)	(2.7)	(2.2)	
	4-pt. supported	22.0* (22.0*)	16.5* (16.5*)	12.6* (12.6*)	10.3* (10.3*)	8.6* (8.6*)	7.3 (7.4*)	6.0 (6.5*)	5.1 (5.7*)	4.4 (5.0*)	3.7 (4.2*)	
3	non supported		(12.0)	(8.8)	(6.8)	(5.4)	(4.4)	(3.7)	(3.1)	(2.6)	(2.2)	
	4-pt. supported		17.8 (17.8*)	13.3* (13.3*)	10.6* (10.6*)	8.6 (8.8*)	7.0 (7.5*)	5.9 (6.5*)	5.0 (5.7*)	4.3 (4.9*)	3.7 (4.0*)	
1.5	non supported		(9.1*)	(8.0)	(6.3)	(5.1)	(4.2)	(3.5)	(3.0)	(2.5)	(2.2)	
	4-pt. supported		9.1* (9.1*)	13.2 (13.5*)	10.2 (10.7*)	8.2 (8.8*)	6.7 (7.5*)	5.7 (6.4*)	4.8 (5.5*)	4.2 (4.7*)	3.7* (3.7*)	
0	non supported		(6.9*)	(7.4)	(5.9)	(4.8)	(4.0)	(3.3)	(2.9)	(2.5)	(2.1)	
	4-pt. supported		6.9* (6.9*)	12.6 (13.1*)	9.7 (10.5*)	7.9 (8.7*)	6.5 (7.3*)	5.5 (6.2*)	4.7 (5.3*)	4.1 (4.4*)	3.3* (3.3*)	
-1.5	non supported		(6.9*)	(7.1)	(5.6)	(4.6)	(3.8)	(3.2)	(2.8)	(2.4)		
	4-pt. supported		6.9* (6.9*)	12.1* (12.1*)	9.4 (9.9*)	7.6 (8.2*)	6.4 (6.9*)	5.4 (5.8*)	4.7 (4.9*)	3.9* (3.9*)		
-3	non supported		(7.5*)	(6.9)	(5.4)	(4.4)	(3.7)	(3.2)	(2.7)	(2.4)		
	4-pt. supported		7.5* (7.5*)	10.7* (10.7*)	8.9* (8.9*)	7.5* (7.5*)	6.2* (6.2*)	5.3* (5.3*)	4.3* (4.3*)	3.2* (3.2*)		
-4.5	non supported			(6.9)	(5.4)	(4.4)	(3.7)	(3.1)	(2.7)			
	4-pt. supported			8.8* (8.8*)	7.6* (7.6*)	6.4* (6.4*)	5.4* (5.4*)	4.4* (4.4*)	3.4* (3.4*)			
-6	non supported					(4.4)	(3.7)					
	4-pt. supported					5.0* (5.0*)	4.1* (4.1*)					

Capacity values are stated in metric tons (t) or lbs. The pump pressure is 360 bar (5220 psi). The values, in accordance with ISO 10567, amount to 75 % of the static tipping load or 87 % of the hydraulic lifting force (marked \*). They apply to slewing operations through 360° on a firm and level surface. Values in brackets apply to the longitudinal direction of the undercarriage. "Non-supported" values only apply when the load is hoisted above the front or rear axle. The weight of the attached hoisting equipment (grab, magnet, load hook) must be deducted from the capacity values. If the TEREX Fuchs quick-change system is mounted on the boom, capacity is reduced by 600 kg (1322 lbs). In accordance with EC guidelines, hose-rupture safety valves on the lift cylinders and an overload warning device are required for crane operations.

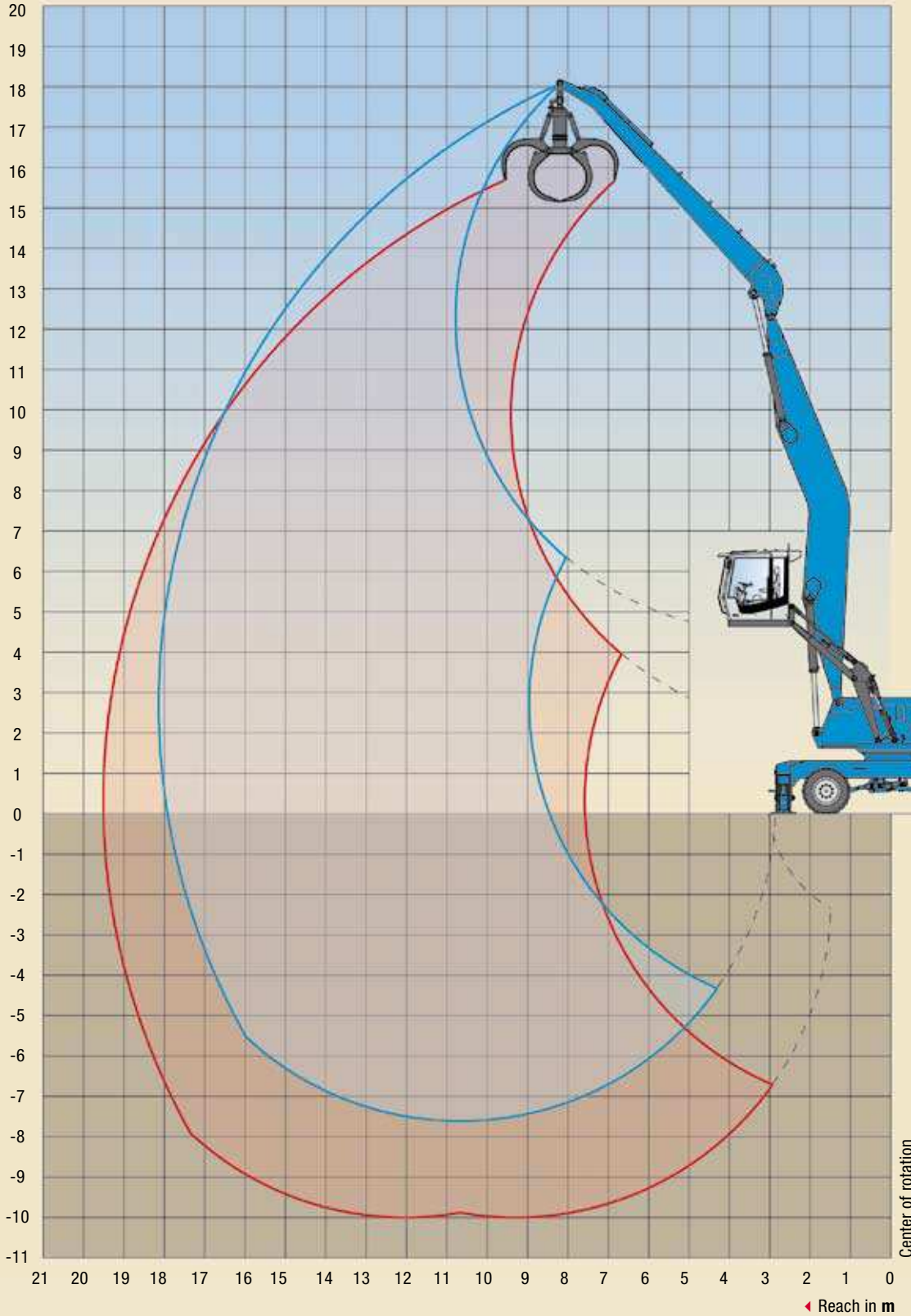
### RECOMMENDED ATTACHMENTS

Loading system 18 m

<b>LIFT HOOKS</b>	20 t
<b>TEREX Fuchs CACTUS GRABS 0.6 m³</b>	Open or half-closed shells
<b>TEREX Fuchs CACTUS GRABS 0.8 m³</b>	Open or half-closed shells
<b>TEREX Fuchs MAGNET PLATE MP 1350</b>	dia. = 1360 mm with magnet system 30 kW
<b>CLAMSHELL GRAB 1.4 m³</b>	Density of bulk material up to 1.600 kg/m³ type HZG28-S
<b>CLAMSHELL GRAB 2.0 m³</b>	Density of bulk material up to 800 kg/m³ type HZG28-S

# WORKING DIAGRAM

MHL 360 (SERIES D) REACH 18 m (59') - OFFSET BOOM



Work equipment:  
universal boom 9.7 m (32'),  
dipperstick 7.8 m (25')



# LIFTING CAPACITY

## MHL 360 (SERIES D) REACH 18 m (59') - OFFSET BOOM

HEIGHT m	UNDERCARRIAGE STABILIZERS	REACHES m										
		4.5	6	7.5	9	10.5	12	13.5	15	16.5	18	
15	non supported					(6.5*)	(5.3)					
	4-pt. supported					6.5* (6.5*)	5.5* (5.5*)					
13.5	non supported						(5.4)	(4.2)				
	4-pt. supported						5.9* (5.9*)	5.2* (5.2*)				
12	non supported						(5.5)	(4.3)	(3.4)			
	4-pt. supported						5.8* (5.8*)	5.4* (5.4*)	4.4* (4.4*)			
10.5	non supported						(5.4)	(4.3)	(3.4)			
	4-pt. supported						5.9* (5.9*)	5.4* (5.4*)	5.0* (5.0*)			
9	non supported					(6.6*)	(5.3)	(4.2)	(3.4)	(2.7)		
	4-pt. supported					6.6* (6.6*)	6.0* (6.0*)	5.5* (5.5*)	5.1* (5.1*)	4.4* (4.4*)		
7.5	non supported					(6.5)	(5.1)	(4.1)	(3.3)	(2.7)		
	4-pt. supported					6.8* (6.8*)	6.1* (6.1*)	5.6* (5.6*)	5.1* (5.1*)	4.4 (4.7*)		
6	non supported				(7.9)	(6.1)	(4.9)	(3.9)	(3.2)	(2.7)		
	4-pt. supported				8.3* (8.3*)	7.2* (7.2*)	6.4* (6.4*)	5.7* (5.7*)	5.1* (5.1*)	4.3 (4.7*)		
4.5	non supported	(17.0)	(13.7)	(9.7)	(7.3)	(5.7)	(4.6)	(3.8)	(3.1)	(2.6)	(2.1)	
	4-pt. supported	20.0* (20.0*)	14.0* (14.0*)	10.8* (10.8*)	8.9* (8.9*)	7.6* (7.6*)	6.6* (6.6*)	5.9* (5.9*)	5.0 (5.2*)	4.3 (4.7*)	3.6* (3.6*)	
3	non supported		(11.8)	(8.7)	(6.7)	(5.3)	(4.3)	(3.6)	(3.0)	(2.5)	(2.1)	
	4-pt. supported		15.7 (15.7*)	11.7* (11.7*)	9.4* (9.4*)	7.9* (7.9*)	6.8* (6.8*)	5.8 (6.0*)	4.9 (5.3*)	4.2 (4.7*)	3.6 (4.0*)	
1.5	non supported		(10.4*)	(7.8)	(6.1)	(4.9)	(4.1)	(3.4)	(2.8)	(2.4)	(2.1)	
	4-pt. supported		10.6* (10.6*)	12.4 (12.4*)	9.8* (9.8*)	8.0* (8.0*)	6.6 (6.9*)	5.6 (6.0*)	4.7 (5.3*)	4.1 (4.7*)	3.6 (4.0*)	
0	non supported		(7.8*)	(7.2)	(5.7)	(4.6)	(3.8)	(3.2)	(2.7)	(2.3)		
	4-pt. supported		7.8* (7.8*)	12.3 (12.6*)	9.6 (10.0*)	7.7 (8.2*)	6.4 (7.0*)	5.4 (6.0*)	4.6 (5.2*)	4.0 (4.5*)		
-1.5	non supported		(7.6*)	(6.8)	(5.4)	(4.4)	(3.7)	(3.1)	(2.7)	(2.3)		
	4-pt. supported		7.6* (7.6*)	11.9* (12.3*)	9.2 (9.9*)	7.5 (8.1*)	6.2 (6.9*)	5.3 (5.9*)	4.5 (5.1*)	4.0 (4.3*)		
-3	non supported		(7.9*)	(6.6)	(5.2)	(4.2)	(3.6)	(3.0)	(2.6)	(2.3)		
	4-pt. supported		7.9* (7.9*)	11.6* (11.6*)	9.0 (9.4*)	7.3 (7.8*)	6.1 (6.6*)	5.2 (5.6*)	4.5 (4.7*)	3.9* (3.9*)		
-4.5	non supported		(8.6*)	(6.6)	(5.1)	(4.2)	(3.5)	(3.0)	(2.6)			
	4-pt. supported		8.6* (8.6*)	10.4* (10.4*)	8.6* (8.6*)	7.2* (7.2*)	6.0* (6.0*)	5.1* (5.1*)	4.2* (4.2*)			
-6	non supported		(9.3*)	(6.7)	(5.2)	(4.2)	(3.5)	(3.0)	(2.7)			
	4-pt. supported		9.3* (9.3*)	8.9* (8.9*)	7.5* (7.5*)	6.3* (6.3*)	5.3* (5.3*)	4.4* (4.4*)	3.3* (3.3*)			

Capacity values are stated in metric tons (t) or lbs. The pump pressure is 360 bar (5220 psi). The values, in accordance with ISO 10567, amount to 75 % of the static tipping load or 87 % of the hydraulic lifting force (marked \*). They apply to slewing operations through 360° on a firm and level surface. Values in brackets apply to the longitudinal direction of the undercarriage. "Non-supported" values only apply when the load is hoisted above the front or rear axle. The weight of the attached hoisting equipment (grab, magnet, load hook) must be deducted from the capacity values. If the TEREX Fuchs quick-change system is mounted on the boom, capacity is reduced by 600 kg (1322 lbs). In accordance with EC guidelines, hose-rupture safety valves on the lift cylinders and an overload warning device are required for crane operations.

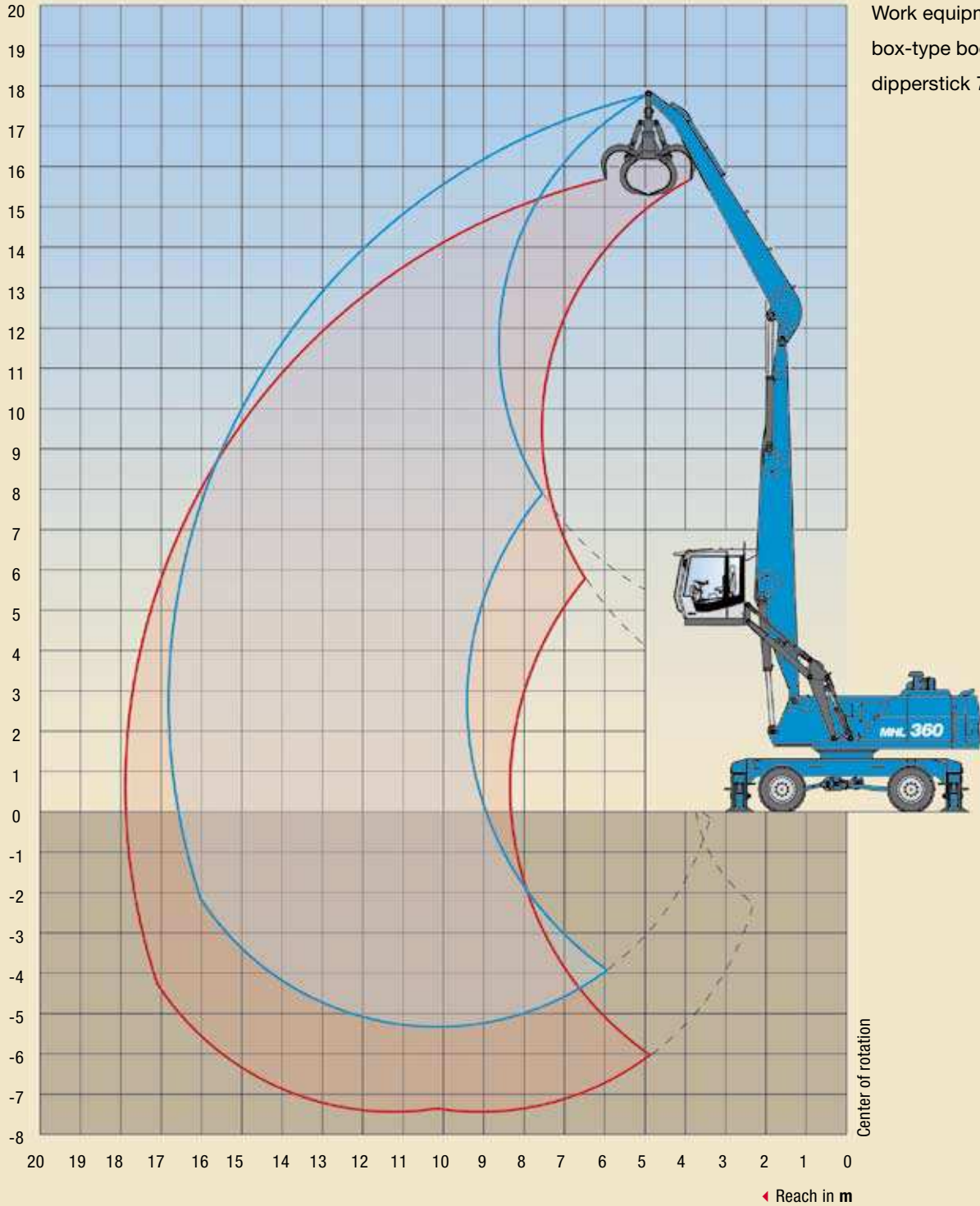
### RECOMMENDED ATTACHMENTS

Loading system 18 m - Offset boom

<b>LIFT HOOKS</b>	20 t
<b>TEREX Fuchs CACTUS GRABS 0.6 m<sup>3</sup></b>	Open or half-closed shells
<b>TEREX Fuchs CACTUS GRABS 0.8 m<sup>3</sup></b>	Open or half-closed shells
<b>TEREX Fuchs MAGNET PLATE MP 1250</b>	dia. = 1260 mm with magnet system 20 kW
<b>CLAMSHELL GRAB 1.4 m<sup>3</sup></b>	Density of bulk material up to 1.600 kg/m <sup>3</sup> type HZG28-S
<b>CLAMSHELL GRAB 2.0 m<sup>3</sup></b>	Density of bulk material up to 800 kg/m <sup>3</sup> type HZG28-S

# WORKING DIAGRAM

MHL 360 (SERIES D) REACH 16.5 m (54')



Work equipment:  
box-type boom 8.9 m (29'),  
dipperstick 7.0 m (23')



# LIFTING CAPACITY

## MHL 360 (SERIES D) REACH 16.5 m (54')

HÖHE m	UNDERCARRIAGE STABILIZERS	REACHES m								
		4.5	6	7.5	9	10.5	12	13.5	15	16.5
15	non supported				(8.4*)	(5.8*)				
	4-pt. supported				8.4* (8.4*)	5.8* (5.8*)				
13.5	non supported				(8.7)	(6.7)	(5.2)			
	4-pt. supported				9.3* (9.3*)	8.3* (8.3*)	5.8* (5.8*)			
12	non supported				(8.8)	(6.8)	(5.3)	(4.2)		
	4-pt. supported				9.2* (9.2*)	8.2* (8.2*)	7.5* (7.5*)	5.0* (5.0*)		
10.5	non supported				(8.8)	(6.8)	(5.3)	(4.3)		
	4-pt. supported				9.2* (9.2*)	8.2* (8.2*)	7.4* (7.4*)	6.5 (6.7*)		
9	non supported				(8.6)	(6.7)	(5.3)	(4.3)	(3.4)	
	4-pt. supported				9.4* (9.4*)	8.3* (8.3*)	7.5* (7.5*)	6.4 (6.7*)	5.3 (5.6*)	
7.5	non supported			(11.2*)	(8.4)	(6.5)	(5.2)	(4.2)	(3.4)	
	4-pt. supported			11.2* (11.2*)	9.7* (9.7*)	8.5* (8.5*)	7.6* (7.6*)	6.4 (6.8*)	5.3 (6.0*)	
6	non supported		(14.8*)	(10.6)	(8.0)	(6.2)	(5.0)	(4.1)	(3.4)	
	4-pt. supported		14.8* (14.8*)	12.2* (12.2*)	10.2* (10.2*)	8.8* (8.8*)	7.6 (7.7*)	6.3 (6.8*)	5.2 (6.0*)	
4.5	non supported	(17.0)	(13.8)	(9.9)	(7.5)	(5.9)	(4.8)	(3.9)	(3.3)	(2.7)
	4-pt. supported	24.0* (24.0*)	17.0* (17.0*)	13.1* (13.1*)	10.7* (10.7*)	9.0* (9.0*)	7.4 (7.8*)	6.1 (6.8*)	5.2 (6.0*)	4.4 (4.8*)
3	non supported		(12.3)	(9.0)	(7.0)	(5.6)	(4.6)	(3.8)	(3.2)	(2.7)
	4-pt. supported		18.4* (18.4*)	13.8* (13.8*)	10.9* (10.9*)	8.7 (9.2*)	7.1 (7.9*)	6.0 (6.8*)	5.1 (5.8*)	4.4 (4.8*)
1.5	non supported		(11.1*)	(8.3)	(6.5)	(5.3)	(4.4)	(3.7)	(3.1)	(2.7)
	4-pt. supported		12.2* (12.2*)	13.6 (14.0*)	10.4* (11.2*)	8.4 (9.2*)	6.9 (7.8*)	5.8 (6.7*)	5.0 (5.6*)	4.3 (4.4*)
0	non supported		(9.1*)	(7.8)	(6.2)	(5.0)	(4.2)	(3.5)	(3.0)	(2.7)
	4-pt. supported		9.1* (9.1*)	13.0 (13.6*)	10.0 (10.9*)	8.1 (9.0*)	6.7 (7.5*)	5.7 (6.4*)	4.9 (5.2*)	3.8* (3.8*)
-1.5	non supported		(8.9*)	(7.5)	(6.0)	(4.9)	(4.1)	(3.5)	(3.0)	
	4-pt. supported		8.9* (8.9*)	12.6* (12.6*)	9.8 (10.2*)	7.9 (8.5*)	6.6 (7.0*)	5.6 (5.8*)	4.6* (4.6*)	
-3	non supported		(9.6*)	(7.4)	(5.8)	(4.8)	(4.0)	(3.4)	(3.0)	
	4-pt. supported		9.6* (9.6*)	10.9* (10.9*)	9.1* (9.1*)	7.5* (7.5*)	6.2* (6.2*)	5.0* (5.0*)	3.6* (3.6*)	
-4.5	non supported			(7.5)	(5.8)	(4.8)	(4.0)			
	4-pt. supported			8.7* (8.7*)	7.4* (7.4*)	6.2* (6.2*)	5.0* (5.0*)			

Capacity values are stated in metric tons (t) or lbs. The pump pressure is 360 bar (5220 psi). The values, in accordance with ISO 10567, amount to 75 % of the static tipping load or 87 % of the hydraulic lifting force (marked \*). They apply to slewing operations through 360° on a firm and level surface. Values in brackets apply to the longitudinal direction of the undercarriage. "Non-supported" values only apply when the load is hoisted above the front or rear axle. The weight of the attached hoisting equipment (grab, magnet, load hook) must be deducted from the capacity values. If the TEREX Fuchs quick-change system is mounted on the boom, capacity is reduced by 600 kg (1322 lbs). In accordance with EC guidelines, hose-rupture safety valves on the lift cylinders and an overload warning device are required for crane operations.

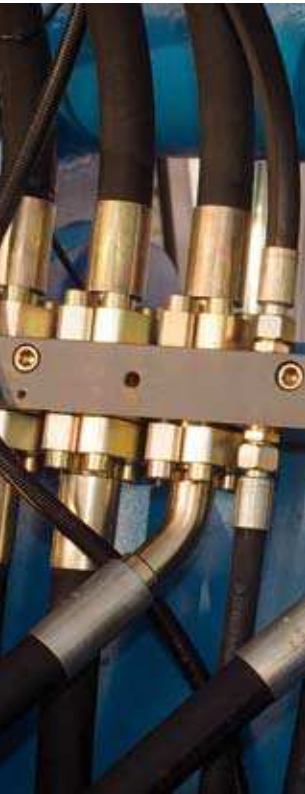
### RECOMMENDED ATTACHMENTS

Loading system 16.5 m

<b>LIFT HOOKS</b>	20 t
<b>TEREX Fuchs CACTUS GRABS 0.6 m<sup>3</sup></b>	Open or half-closed shells
<b>TEREX Fuchs CACTUS GRABS 0.8 m<sup>3</sup></b>	Open or half-closed shells
<b>TEREX Fuchs CACTUS GRABS 1.0 m<sup>3</sup></b>	Open or half-closed shells
<b>TEREX Fuchs MAGNET PLATE MP 1350</b>	dia. = 1360 mm with magnet system 30 kW
<b>CLAMSHELL GRAB 1.4 m<sup>3</sup></b>	Density of bulk material up to 1.600 kg/m <sup>3</sup> type HZG28-S
<b>CLAMSHELL GRAB 2.0 m<sup>3</sup></b>	Density of bulk material up to 800 kg/m <sup>3</sup> type HZG28-S

# TECHNICAL DATA

## MHL 360 (SERIES D)



OPERATING WEIGHT	
	44 t - 46 t (97,003 lbs - 101,413 lbs)

DIESEL ENGINE	
<b>MANUFACTURER AND MODEL</b>	Deutz TCD 2013 L06 2V
<b>DESIGN</b>	6 Cylinder Inline
<b>ENGINE CONTROL</b>	EMR III
<b>TYPE</b>	4-stroke diesel engine, direct common-rail fuel-injection, turbocharger with intercooling
<b>ENGINE OUTPUT</b>	186 kW (249 HP)
<b>NOMINAL SPEED</b>	2000 min <sup>-1</sup>
<b>DISPLACEMENT</b>	7.2 l (436 cu in)
<b>COOLING SYSTEM</b>	Liquid intercooling with temperature controlled fan speed
<b>EMISSION STANDARDS</b>	COM III und EPA Tier III
<b>AIR FILTER DESIGN</b>	Two-stage filter with safety valve
<b>FUEL CAPACITY (USABLE)</b>	450 l (118.9 US GAL)

ELECTRICAL SYSTEM	
<b>OPERATING VOLTAGE</b>	24 V
<b>BATTERIES</b>	2 x 12 V / 100 Ah / 760 A (in accordance with EN)
<b>LIGHTING SET</b>	1 dipper-stick-mounted floodlight, 1 headlight mounted to upper carriage, 1 floodlight attached to cabin floor, rear side-marker and turn signal lamps
<b>OPTION</b>	Magnet plate 20 or 30 kW

TRAVEL DRIVE	
	Hydrostatic drive through infinitely variable axial piston motor and directly mounted travel brake valves, two-speed power shift gear, 4-wheel drive
<b>TRAVEL SPEED 1ST GEAR</b>	max. 5 km/h (3.1 mph)
<b>TRAVEL SPEED 2ND GEAR</b>	max. 15 km/h (9.3 mph)
<b>GRADEABILITY</b>	max. 45%
<b>TURNING RADIUS</b>	8.0 m (26'3")

SWING SYSTEM	
<b>RING GEAR</b>	Internally toothed ball ring gear (double row)
<b>DRIVE</b>	Three-stage planetary gear with integrated multi-disc brake
<b>UPPER CARRIAGE SWING SPEED</b>	Infinitely variable from 0 - 6 min <sup>-1</sup>
<b>PIVOT BRAKE</b>	Electrically operated

UNDERCARRIAGE	
<b>FRONT AXLE</b>	Planetary drive axle with integrated drum brake, rigidly mounted, max. steering angle: 30°
<b>REAR AXLE</b>	Oscillating planetary drive rear axle with integrated drum brake and selectable oscillating axle lock
<b>STABILIZERS</b>	4-point-stabilizers
<b>TIRES</b>	Solid rubber, elastic tires 8-fold 12.00 - 24



BRAKE SYSTEM	
<b>SERVICE BRAKE</b>	Hydraulic single-circuit braking system acting on all four wheel pairs
<b>PARKING BRAKE</b>	Electrically operated disc brake, acting on both front and rear axle

HYDRAULIC SYSTEM	
	LINDE mobile hydraulic system with load limit control and fuel conserving power demand control. Separate oil cooler, temperature controlled fan speed. Hydraulic oil filter integrated in the oil tank; maintenance interval: 3.000 operating hrs. Central lubrication system
<b>MAX. PUMP CAPACITY</b>	640 l/min (169 US GAL/min)
<b>MAX. OPERATING PRESSURE</b>	360 bar (5221 psi)
<b>HYDRAULIC OIL TANK</b>	780 l (118.9 US GAL)

OPERATOR CAB	
	Elastically supported, infinitely variable hydraulically height-adjustable with max. eye level of 6.1m/20'01", independent forward motion of 2.20 m/ 7'2", sound-deadened, heat-insulated panoramic windows for optimum all-around view, windshield with pull-down sunblind that slides under cab roof, sliding window in cab door, steering column height and tilt adjustable.
<b>HEATING</b>	Infinitely variable hot water heating with 3-speed fan, 4 adjustable defroster nozzles
<b>OPERATOR'S SEAT</b>	Air-cushioned comfort-seat with integrated headrest, safety belt and lumbar support, seat-heating optional. Seat position, seat inclination and seat cushion multi-adjustable in line with position of armrests and pilot control units, allowing fatigue-free operation.
<b>MONITORING</b>	Ergonomic instrument layout, glare-free. Function monitoring; warning and storage of deviating operating conditions, e.g. filter pressure w. warning indicator and shutdown of pilot controls, warning indicator resp. shutdown of pilot controls when exceeding hydraulic oil temperature limits.
<b>AIR CONDITION</b>	Automatic
<b>ACOUSTIC POWER LEVEL</b>	(Guaranteed) in accordance with guideline 2000/14 EG

SAFETY INSTALLATIONS	
	For crane operations in accordance with EN 474-5.
	Cab protection by close proximity range limiter

OFFICIAL HOMOLOGATION	
	Certification according to CE-regulations



# EQUIPMENT

## MHL 360 (SERIES D)

ENGINE	SERIES	OPTION
Turbocharger	●	
Intercooling	●	
Direct electronic fuel injection/Common Rail	●	
Automatic idle	●	
Engine pre-heating		●
Interface for engine diagnosis	●	
Fan drive temperature controlled	●	

UNDERCARRIAGE	SERIES	OPTION
2-speed power-shift transmission	●	
4-point-stabilizers	●	
4-point stabilizers individually controllable		●
Stabilizer (outrigger) cylinders with integrated two-way check valves	●	
All-wheel drive	●	
Piston rod protection on stabilizer cylinder	●	
Stabilizer (outrigger) plate 430 x 600	●	
Rear axle oscillating lock	●	
Dozer blade in addition to 4-point stabilizers		●
Special paint		●
Drum brakes	●	
Tool box	●	

SUPERSTRUCTURE	SERIES	OPTION
Electrical refueling pump		●
Lighting protection		●
Maintenance hood, actuated by gas spring, w. mechanical locking device	●	
Lockable cleaning access openings on radiator	●	
Separate radiator system for ambient temperatures up to 50°C	●	
Separate oil cooler w. temperature controlled fan drive	●	
Automatic central lubrication system	●	
Backup alarm		●
Special paint		●
Quick-drain valve on fuel tank	●	
Quick-drain valve on hydraulic tank	●	
Quick-drain valve on radiator	●	
Quick-drain valve on engine-oil pan	●	

CAB	SERIES	OPTION
Lift-up skylight in cabin roof	●	
Air cushioned operator's seat with headrest, safety belt and lumbar-support	●	
FOPS-Protective grating		●
Hinged front windshield	●	
Front-windows break-resistant (LEXAN)		●
Cab elevation, 1m, rigid		●
Cab system, adjustable in height and to the front	●	
Air condition	●	
Steering column, height and tilt adjustable	●	
Multi functional display	●	
Bulletproof glass, front and top		●
Fire extinguisher, dry powder		●
Preparation for radio		●
Rotating beacon		●
Sliding window in cab door	●	
Safety glass	●	
Seat heating		●
Engine independent heating		●
Stereo cassette radio		●
Radio and CD Player		●
Windscreen washer system	●	

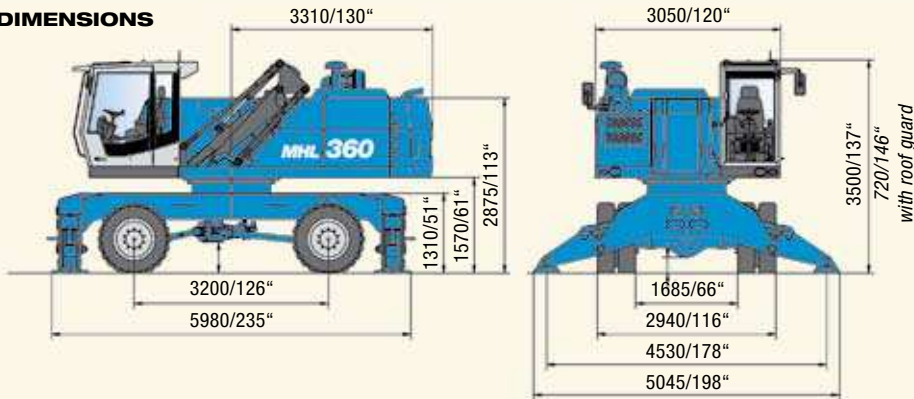
EQUIPMENT	SERIES	OPTION
Floodlight, attached to cab floor	●	
Floodlight, mounted to superstructure	●	
Floodlight, dipper-stick mounted	●	
Hydraulic oil preheating		●
Close proximity range limiter for dipperstick	●	
Coolant and hydraulic oil level monitoring system	●	
Pipe break protection for lift/ boom cylinder		●
Break protection for lift cylinder		●
Dipper stick shock protection	●	
Lubrication of grab suspension by central lubrication system	●	
Overload warning/ shut-off installation		●
XENON-floodlight on dipper stick		●
XENON-floodlight , superstructure		●
XENON-floodlight on cab roof		●
Quick-connect coupling on dipper-stick	●	

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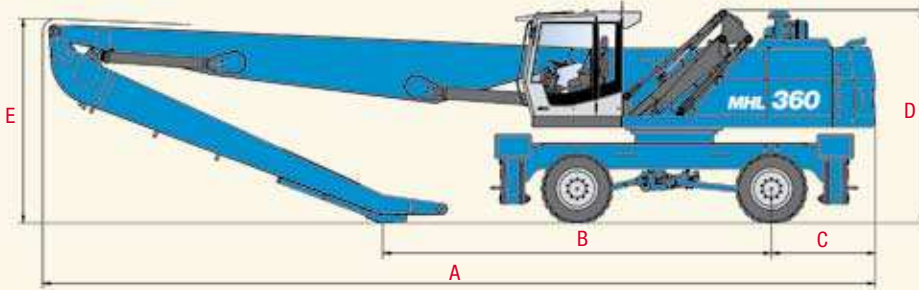
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## DIMENSIONS



## TRANSPORT DIMENSIONS



MASSE	REACH 16.5 m (54')	REACH 18.0 m (59')	REACH 18.0 m (59') (banana boom)
A	13,725 mm (540")	14,510 mm (571")	14,520 mm (571")
B	6,405 mm (252")	6,440 mm (253")	5,945 mm (234")
C	1,715 mm (67")	1,715 mm (67")	1,715 mm (67")
D	3,500 mm (137")	3,500 mm (137")	3,500 mm (137")
E	3,355 mm (132")	3,640 mm (143")	3,680 mm (144")



## DISTRIBUTOR



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