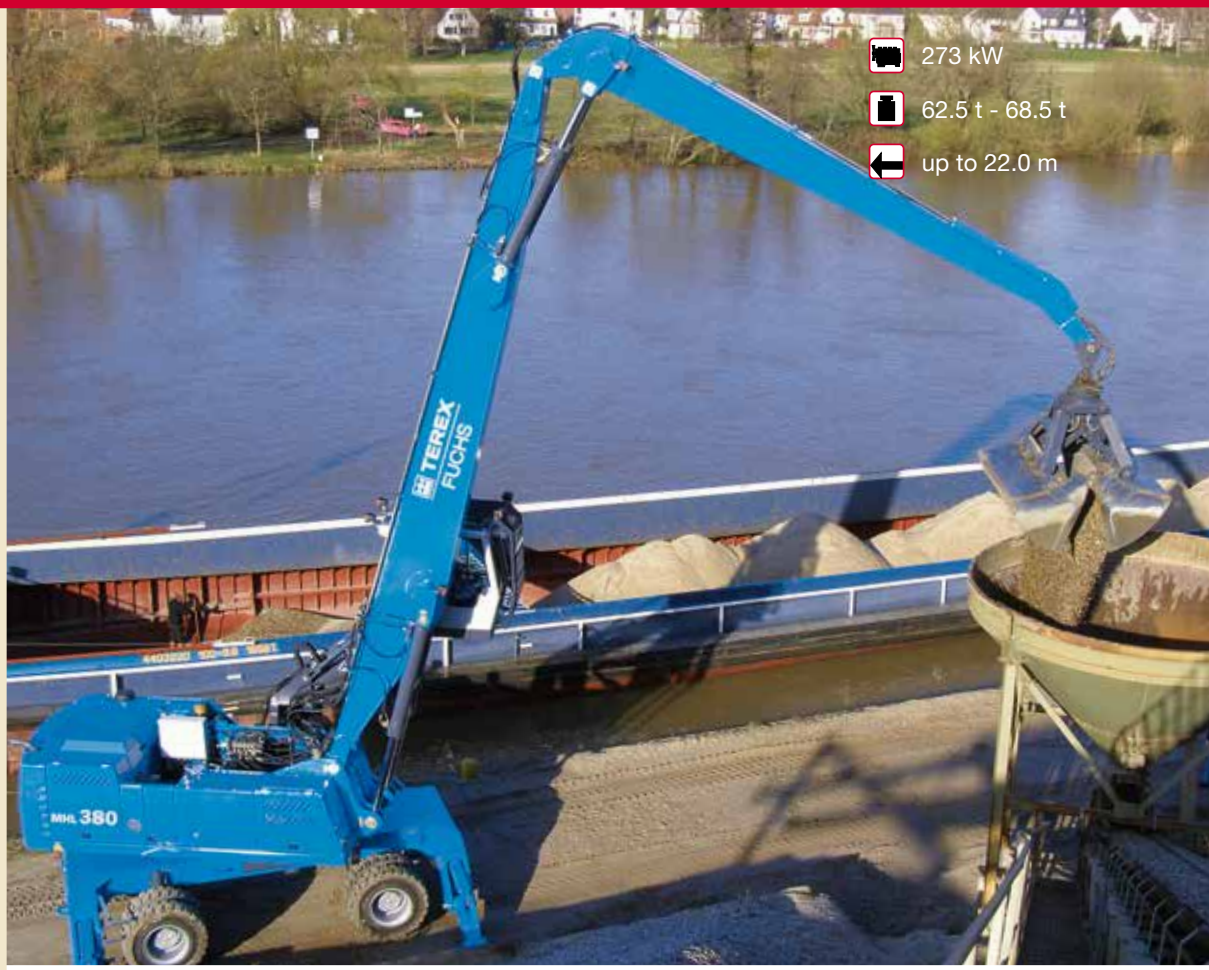
TEREX® | FUCHS

TECHNICAL DATA AND INFORMATION

MHL380D

MATERIAL HANDLING MACHINE



273 kW

62.5 t - 68.5 t

up to 22.0 m

TECHNICAL DATA MHL380 D

OPERATING WEIGHT	
	62.5 t - 68.5 t

DIESEL ENGINE	
MANUFACTURER AND MODEL	Deutz TCD 2015 V06 4V
DESIGN	6-cylinder V-engine
ENGINE CONTROL	EMR III
TYPE	4-stroke diesel, direct injection, unit pump system, turbo-charger w. intercooling
ENGINE OUTPUT	273 kW/366 hp
NOMINAL SPEED	1800 min^{-1}
DISPLACEMENT	11.91 litres
COOLING SYSTEM	Liquid intercooling with temperature-controlled fan speed
EMISSION STANDARD	COM III and EPA Tier III
AIR FILTER DESIGN	Two-stage filter with safety valve
FUEL CAPACITY (USABLE)	874 l

ELECTRICAL SYSTEM	
OPERATING VOLTAGE	24 V
BATTERY	2 x 12 V / 143 Ah / 950 A
LIGHTING SET	1 x H3 spotlight on upper carriage, 1 x H3 spotlight on cabin floor, turn signal and rear side-marker lamps
OPTION	Magnet system 30 kW

TRAVEL DRIVE	
	Hydrostatic drive through infinitely variable axial piston motor and directly mounted travel brake valves, flanged to a single-stage transfer gear-box, all-wheel drive
TRAVEL SPEED, 1st GEAR	Continuously variable 0 – 8 km/h
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
UPPER CARRIAGE SWING SPEED	0 - 6 min^{-1} infinitely variable
PIVOT BRAKE	Electrically operated
MAX. 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 14.00 - 24

BRAKE SYSTEM	
SERVICE BRAKE	Hydraulic single-circuit braking system acting on all four wheel pairs
PARKING BRAKE	Electrically operated disc brake on rear axle, acting on both front and rear axles via transfer gear

HYDRAULIC SYSTEM

	REXROTH mobile hydraulic system with load limit control and fuel-saving power-demand control, closed swing circuit. Separate oil cooler, temperature-controlled fan speed. Hose rupture valves with regeneration on the lift and stick cylinders. Hydraulic oil filter: filter elements integrated into oil tank; maintenance interval: 3,000 operating hrs.
MAX. PUMP CAPACITY	640 l/min + 200 l/min in the swing circuit
MAX. OPERATING PRESSURE	320 / 360 bar
HYDRAULIC OIL TANK	690 l

OPERATOR CAB

	Cab: Elastically supported, infinitely variable hydraulically height-adjustable with max. eye level of 6.2 m and independently horizontally adjustable by up to 2.2 m. Sound-deadened, heat-insulated panoramic windows for optimum all-around view, windshield with pull-down sunblind that slides under cab roof, visibility panel in cab roof, sliding window in cab door, steering column height and tilt adjustable
HEATING	Infinitely variable heating with 3-speed fan, 6 adjustable 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, and seat cushion placement in relation to armrests and pilot control units.
MONITORING	Ergonomic layout; glare-free instrumentation. Multifunction 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
AIR CONDITIONING	Air-conditioned stowage compartments
ACOUSTIC POWER LEVEL	(Guaranteed) in accordance with the 2000/14/EC Directive $L_{W(A)}$ = 106 dB (A)

OFFICIAL HOMOLOGATION

	Certification according to CE-regulations

EQUIPMENT MHL380 D

ENGINE	STANDARD	OPTION
Exhaust gas turbocharger	●	
Charge air cooling	●	
Direct electronic fuel injection	●	
Automatic idle	●	
Engine diagnosis interface	●	
Temperature-controlled fan drive	●	

UNDERCARRIAGE	STANDARD	OPTION
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	●	
Stabilizer plates 665 x 510 mm	●	
Extra-large stabilizer plates 1,070 x 800 mm		●
Rear axle oscillating lock	●	
Special paint		●
Drum brakes	●	
Tool box	●	
Dozer blade with plastic or Hardox edge (in addition to 4-point stabilizers)		●

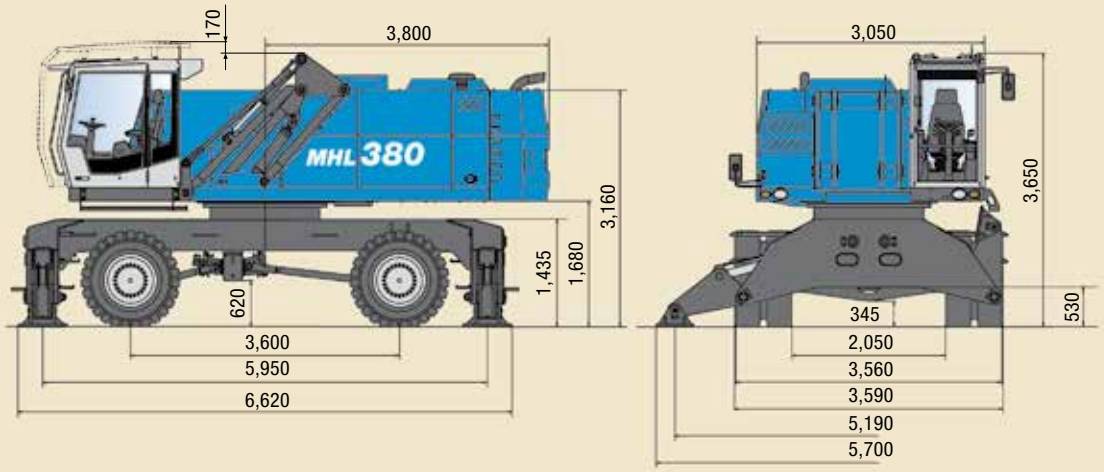
UPPER CARRIAGE	STANDARD	OPTION
Electric refuelling pump		●
Lighting protection		●
Maintenance hood, actuated by gas strut, with mechanical locking device	●	
Lockable cleaning access openings on radiators	●	
Separate radiator system for ambient temperatures up to 50° C	●	
Separate oil cooler w. temperature controlled fan drive	●	
Automatic central lubrication system	●	
Rear view camera	●	
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	●	

CAB	STANDARD	OPTION
Lift-up skylight in cab roof	●	
Air cushioned operator's seat with head-rest, safety belt and lumbar-support	●	
FOPS protective grid		●
Front/roof protective grating		●
Hinged windscreen	●	
Reinforced glass (windscreen and roof panel)		●
Cab system horizontally and vertically adjustable	●	
Automatic air conditioning system	●	
Steering column, height and tilt adjustable	●	
Multi-function display	●	
Lower windscreen wiper		●
Fire extinguisher, dry powder		●
Radio CD player		●
Rotating beacon		●
Sliding window in cab door	●	
Safety glass	●	
Seat heating with integrated A/C function		●
Engine-independent heating		●
Windscreen washer system	●	
12V power outlet		●
12V transformer		●

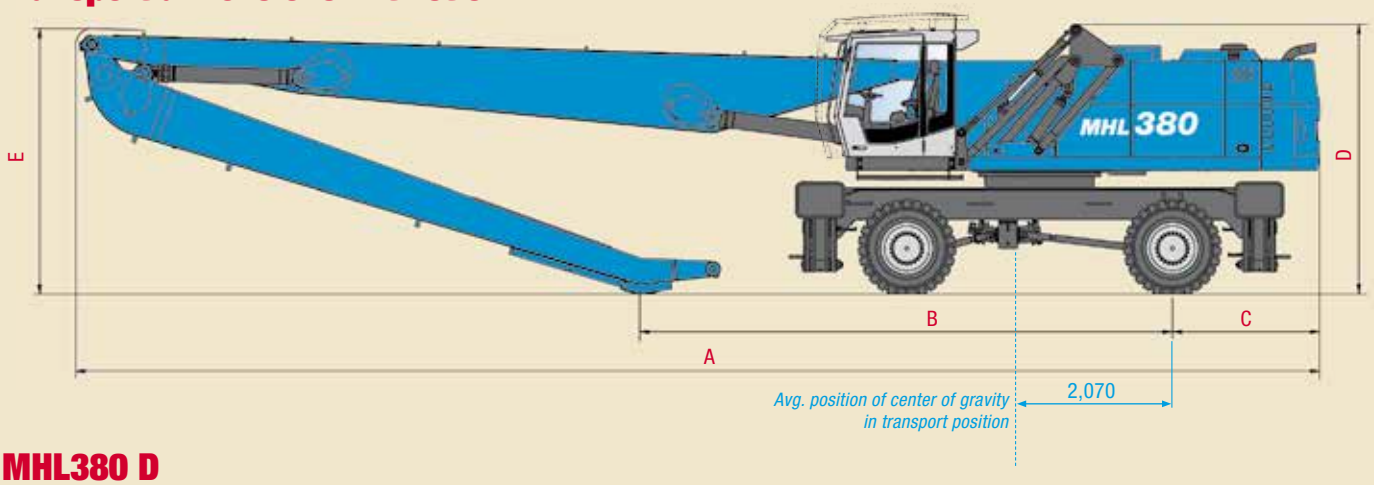
EQUIPMENT	STANDARD	OPTION
Floodlights attached to cab floor	●	
Floodlights, mounted to superstructure	●	
Floodlights, boom-mounted		●
Hydraulic oil preheating		●
Close proximity range limiter for dipperstick	●	
Coolant and hydraulic oil level monitoring system	●	
Hose rupture safety valves for lift cylinder	●	
Hose rupture safety valves for dipperstick cylinder	●	
Dipper stick shock protection		●
Lubrication of the grab suspension by central lubrication system	●	
Overload warning device		●
XENON floodlight on dipperstick		●
XENON floodlight on superstructure		●
XENON floodlight on boom		●
Quick-connect coupling on dipper-stick	●	
Ball valves on dipperstick		●
Filter system for attachments		●
Load limit control	●	
Generator 30 kW		●
Cyclonic pre-separator for air filter		●
Joystick steering		●
Joystick for travel operation		●
Cab floor with viewing window		●
Float switch		●

DIMENSIONS

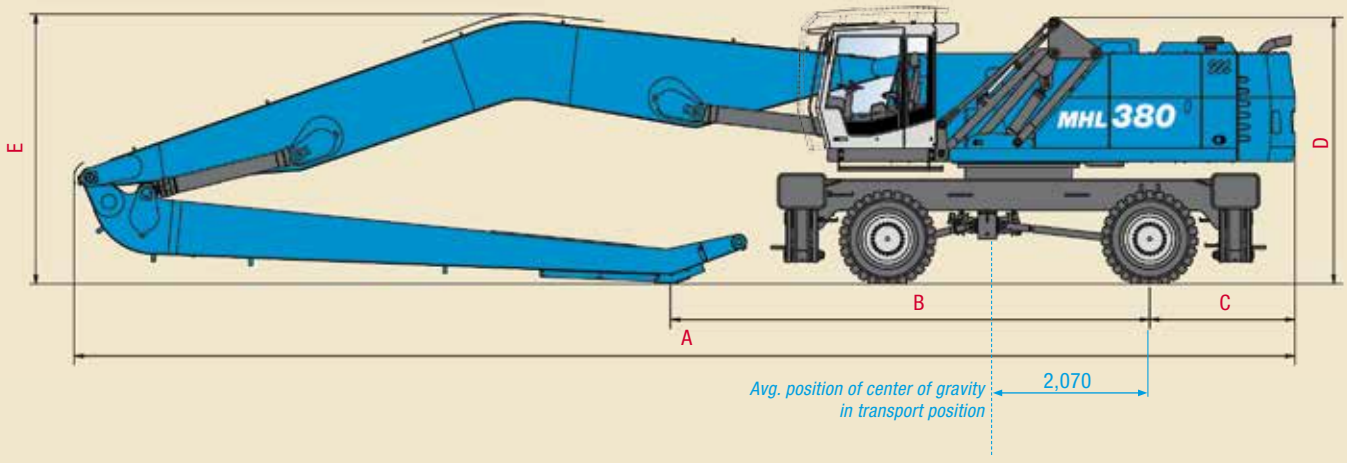
MHL380 D



MHL380 D
Transport dimensions with stick



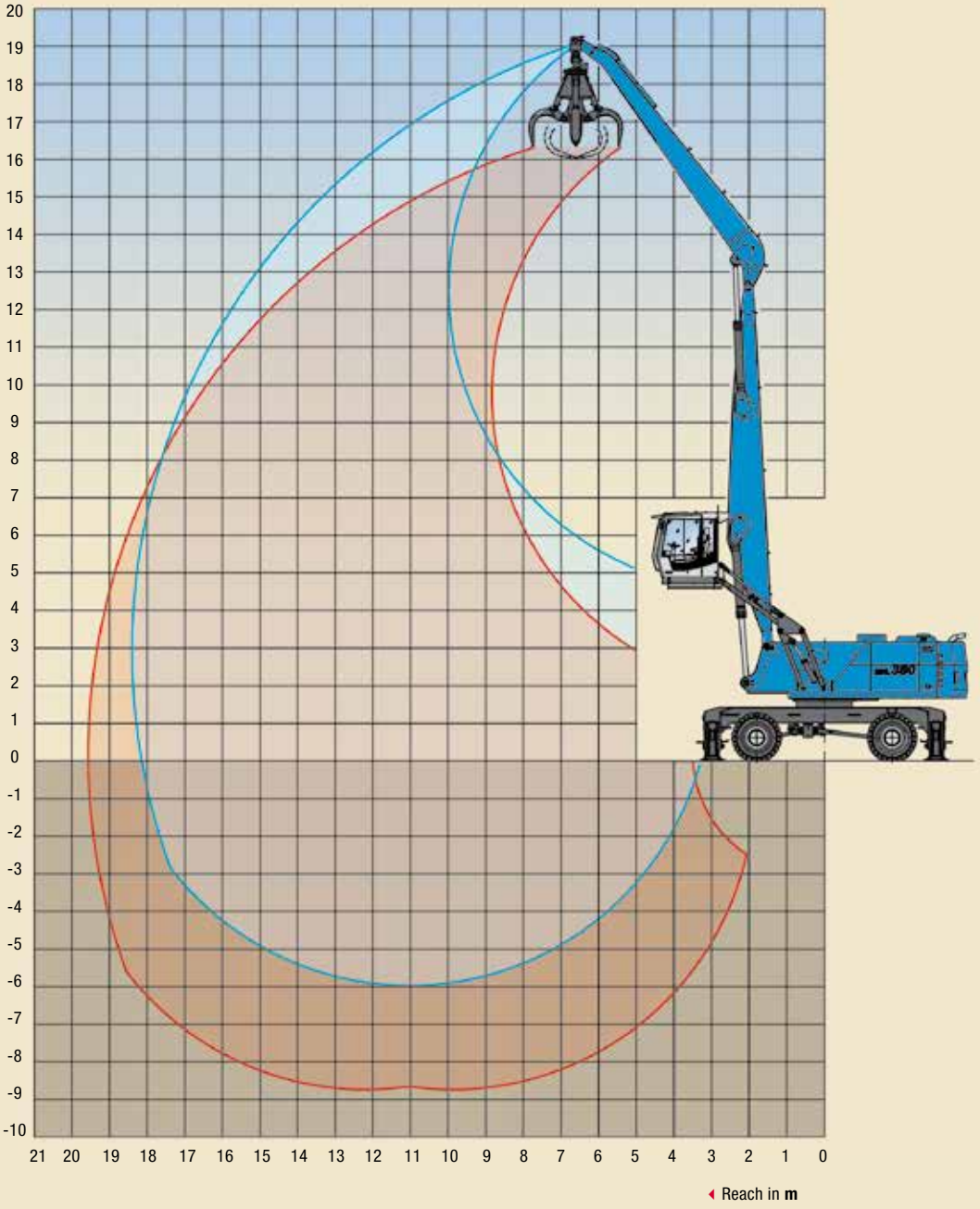
MHL380 D
Transport dimensions with cranked boom



DIMENSIONS	REACH 18.5 m	REACH 20.0 m	REACH 21.0 m	REACH 21.0 m (CRANKED)	REACH 22.0 m	REACH 22.0 m (CRANKED)
A	15,220 mm	16,960 mm	16,960 mm	16,860 mm	16,970 mm	16,980 mm
B	6,370 mm	7,940 mm	7,220 mm	6,580 mm	6,160 mm	6,210 mm
C	2,000 mm	2,000 mm	2,000 mm	2,000 mm	2,000 mm	2,000 mm
D	3,650/*3,820 mm	3,650/*3,820 mm	3,650/*3,820 mm	3,650/*3,820 mm	3,650/*3,820 mm	3,650/*3,820 mm
E	3,380 mm	2,960 mm	3,710 mm	3,800 mm	3,590 mm	4,700 mm

** with protective mesh on cab roof*

WORKING RANGES/LIFTING CAPACITIES MHL380 D



Reach 18.5 m with dipperstick

Loading system:
Boom 9.6 m,
Dipperstick 8.0 m,
Cactus grab

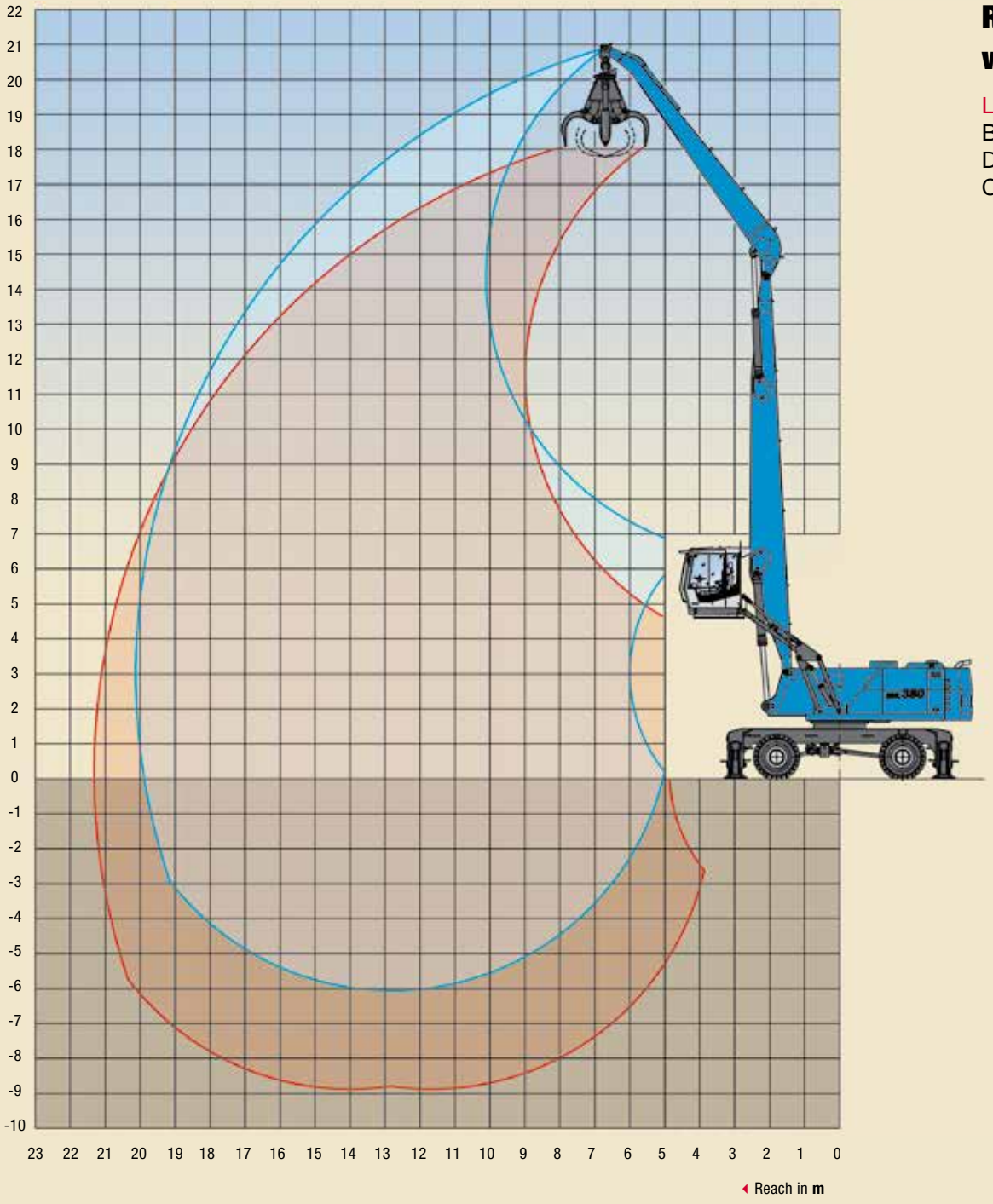
HEIGHT m	UNDERCARRIAGE STABILIZERS	REACH in m 6	7.5	9	10.5	12	13.5	15	16.5	18
18	non-supported			(9.3°)						
	4 pt. supported			9.3° (9.3°)						
16.5	non-supported				(10,0°)					
	4 pt. supported				10.0° (10.0°)					
15	non-supported				(11,7)	(9.3)				
	4 pt. supported				12.1° (12.1°)	10.0° (10.0°)				
13.5	non-supported				(11.8°)	(9.5)	(7.7)			
	4 pt. supported				11.8° (11.8°)	11.1° (11.1°)	9.6° (9.6°)			
12	non-supported				(11.8°)	(9.5)	(7.7)	(6.3)		
	4 pt. supported				11.8° (11.8°)	11.0° (11.0°)	10.4° (10.4°)	8.6° (8.6°)		
10.5	non-supported				(11.8)	(9.4)	(7.7)	(6.3)	(5.2)	
	4 pt. supported				12.0° (12.0°)	11.2° (11.2°)	10.4° (10.4°)	9.7° (9.7°)	6.5° (6.5°)	
9	non-supported				(11.6)	(9.3)	(7.6)	(6.3)	(5.2)	
	4 pt. supported				12.4° (12.4°)	11.4° (11.4°)	10.6° (10.6°)	9.7 (9.9°)	8.2 (8.7°)	
7.5	non-supported			(14.4)	(11.2)	(9.0)	(7.4)	(6.2)	(5.2)	
	4 pt. supported			14.6° (14.6°)	13.1° (13.1°)	11.9° (11.9°)	10.9° (10.9°)	9.6 (10.0°)	8.1 (9.3°)	
6	non-supported		(18.3)	(13.7)	(10.8)	(8.7)	(7.2)	(6.0)	(5.1)	(4.3)
	4 pt. supported		18.6° (18.6°)	15.9° (15.9°)	13.9° (13.9°)	12.4° (12.4°)	11.1° (11.1°)	9.4 (10.2°)	8.1 (9.3°)	6.5° (6.5°)
4.5	non-supported	(24.1)	(17.1)	(13.0)	(10,3)	(8.4)	(7.0)	(5.9)	(5.0)	(4.3)
	4 pt. supported	27.1° (27.1°)	21.0° (21.0°)	17.2° (17.2°)	14.7° (14.7°)	12.9° (12.9°)	10.9 (11.5°)	9.2 (10.4°)	7.9 (9.4°)	6.9 (7.6°)
3	non-supported	(21.6)	(15.7)	(12.2)	(9.8)	(8.0)	(6.7)	(5.7)	(4.9)	(4.2)
	4 pt. supported	31.2° (31.2°)	23.1° (23.1°)	18.5° (18.5°)	15.4° (15.4°)	12.6 (13.4°)	10.6 (11.8°)	9.1 (10.5°)	7.8 (9.4°)	6.9 (8.2°)
1.5	non-supported	(14.5°)	(14.6)	(11.4)	(9.3)	(7.7)	(6.5)	(5.6)	(4.8)	(4.2)
	4 pt. supported	14.5° (14.5°)	24.5° (24.5°)	18.6 (19.4°)	14.9 (16.1°)	12.3 (13.8°)	10.3 (12.0°)	8.9 (10.6°)	7.7 (9.2°)	6.8 (8.1°)
0	non-supported	(11.3°)	(13.8)	(10.9)	(8.9)	(7.4)	(6.3)	(5.4)	(4.7)	(4.2)
	4 pt. supported	11.3° (11.3°)	23.6 (24.6°)	18.0 (19.8°)	14.4 (16.4°)	12.0 (13.9°)	10.1 (12.0°)	8.7 (10.5°)	7.6 (9.1°)	6.8 (7.5°)
-1.5	non-supported	(11.2°)	(13.4)	(10,5)	(8.6)	(7.2)	(6.1)	(5.3)	(4.7)	
	4 pt. supported	11.2° (11.2°)	19.8° (19.8°)	17.6 (19.6°)	14.1 (16.2°)	11.7 (13.7°)	10.0 (11.8°)	8.6 (10.1°)	7.6 (8.6°)	
-3	non-supported	(12.0°)	(13.2)	(10,3)	(8.4)	(7.1)	(6.1)	(5.3)	(4.7)	
	4 pt. supported	12.0° (12.0°)	18.7° (18.7°)	17.3 (18.6°)	13.9 (15.5°)	11.6 (13.1°)	9.9 (11.2°)	8.6 (9.5°)	7.6 (7.8°)	
-4.5	non-supported		(13.2)	(10,3)	(8.4)	(7.0)	(6.0)	(5.3)		
	4 pt. supported		19.0° (19.0°)	17.0° (17.0°)	13.9 (14.3°)	11.5 (12.1°)	9.9 (10.2°)	8.4° (8.4°)		

		MAX. REACH 18.4
3	non-supported	(4.1)
	4 pt. supported	6.0° (6.0°)

RECOMMENDED ATTACHMENTS	
LIFT HOOKS	20 t
TEREX® FUCHS CACTUS GRAB 0.8 m³	Open or half-closed shells
TEREX® FUCHS CACTUS GRAB 1.0 m³	Open or half-closed shells
TEREX® FUCHS CACTUS GRAB 1.2 m³	Open or half-closed shells
TEREX® FUCHS CACTUS GRAB 1.4 m³	Open or half-closed shells
CLAMSHELL GRAB 1.4 m³	Loose goods density up to 3,100 kg/m³
CLAMSHELL GRAB 1.6 m³	Loose goods density up to 2,600 kg/m³
CLAMSHELL GRAB 1.6 m³	Loose goods density up to 1,900 kg/m³

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 values for „not supported“ only apply via the steering axle or the locked oscillating axle. 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. For object handling application the machine has to be supported on a level ground.

WORKING RANGES/LIFTING CAPACITIES MHL380 D



Reach 20.0 m with dipperstick

Loading system:
Boom 11.35 m,
Dipperstick 8.0 m,
Cactus grab

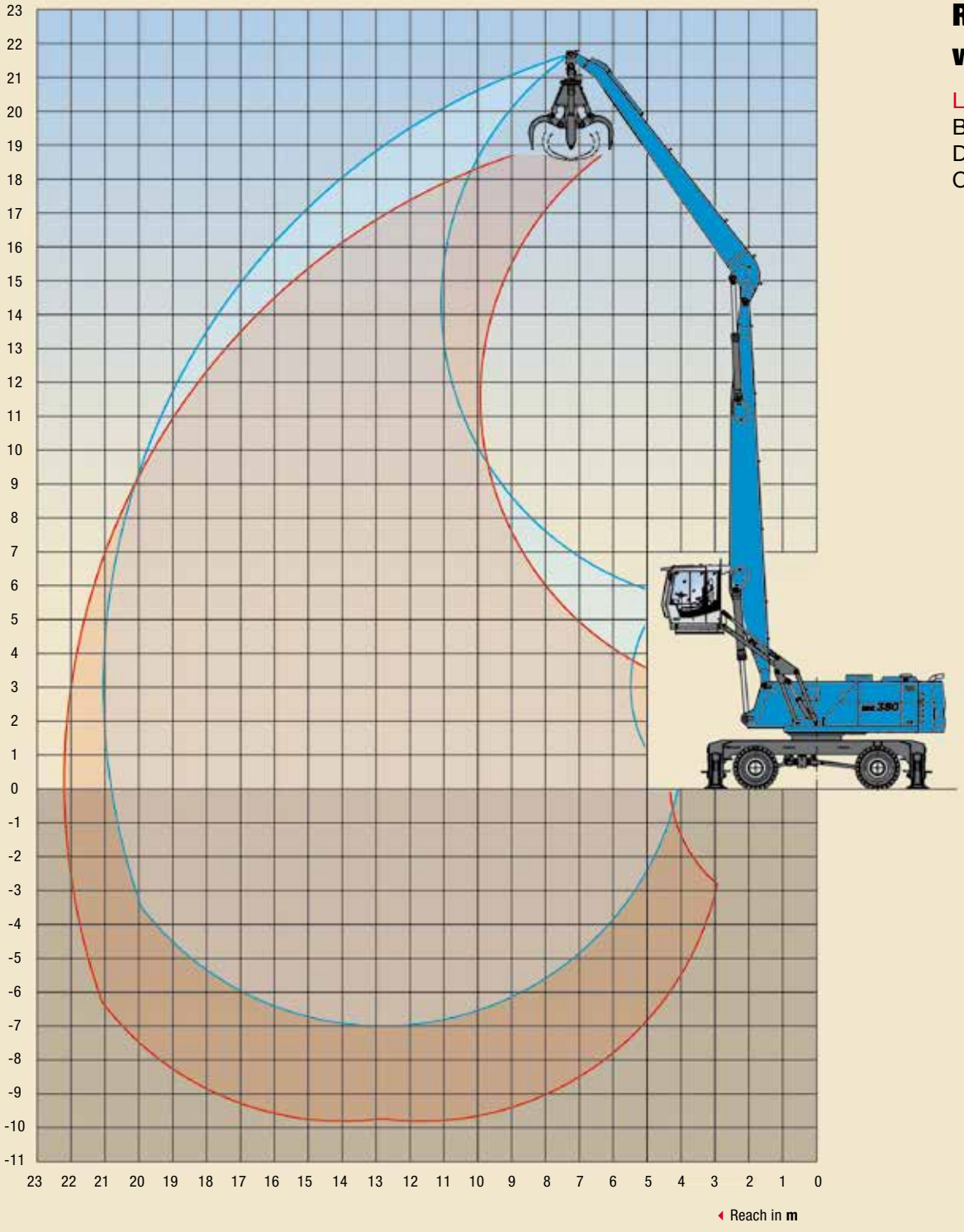
HEIGHT m	UNDERCARRIAGE STABILIZERS	REACH in m 6	7.5	9	10.5	12	13.5	15	16.5	18	19.5
19.5	non-supported			(11.8°)							
	4 pt. supported			11.8° (11.8°)							
18	non-supported				(11.5)	(9.0)					
	4 pt. supported				12.1° (12.1°)	9.6° (9.6°)					
16.5	non-supported				(11.8°)	(9.3)	(7.5)				
	4 pt. supported				11.8° (11.8°)	10.7° (10.7°)	9.8° (9.8°)				
15	non-supported				(11.6°)	(9.5)	(7.6)	(6.2)			
	4 pt. supported				11.6° (11.6°)	10.6° (10.6°)	9.8° (9.8°)	9.1° (9.1°)			
13.5	non-supported				(11.6°)	(9.5)	(7.7)	(6.3)	(5.1)		
	4 pt. supported				11.6° (11.6°)	10.6° (10.6°)	9.7° (9.7°)	9.0° (9.0°)	8.1 (8.2°)		
12	non-supported				(11.8°)	(9.4)	(7.6)	(6.3)	(5.2)		
	4 pt. supported				11.8° (11.8°)	10.7° (10.7°)	9.8° (9.8°)	9.0° (9.0°)	8.1 (8.4°)		
10.5	non-supported				(11.5)	(9.2)	(7.5)	(6.2)	(5.1)	(4.3)	
	4 pt. supported				12.1° (12.1°)	10.9° (10.9°)	9.9° (9.9°)	9.1° (9.1°)	8.1 (8.4°)	6.9 (7.8°)	
9	non-supported			(14.3°)	(11.1)	(8.9)	(7.3)	(6.0)	(5.0)	(4.2)	
	4 pt. supported			14.3° (14.3°)	12.6° (12.6°)	11.2° (11.2°)	10.1° (10.1°)	9.3° (9.3°)	8.0 (8.5°)	6.9 (7.8°)	
7.5	non-supported		(18.1)	(13.5)	(10.6)	(8.5)	(7.0)	(5.9)	(4.9)	(4.2)	(3.5)
	4 pt. supported		18.4° (18.4°)	15.4° (15.4°)	13.2° (13.2°)	11.6° (11.6°)	10.4° (10.4°)	9.2 (9.4°)	7.9 (8.6°)	6.8 (7.9°)	5.9 (6.9°)
6	non-supported	(23.3°)	(16.6)	(12.6)	(10.0)	(8.1)	(6.7)	(5.6)	(4.8)	(4.1)	(3.5)
	4 pt. supported	26.6° (26.6°)	20.2° (20.2°)	16.4° (16.4°)	13.9° (13.9°)	12.1° (12.1°)	10.6° (10.6°)	9.0 (9.6°)	7.7 (8.7°)	6.7 (7.9°)	5.8 (7.0°)
4.5	non-supported	(17.4°)	(14.9)	(11.6)	(9.3)	(7.7)	(6.4)	(5.4)	(4.6)	(4.0)	(3.4)
	4 pt. supported	17.4° (17.4°)	21.9° (21.9°)	17.4° (17.4°)	14.5° (14.5°)	12.3 (12.5°)	10.3 (10.9°)	8.8 (9.7°)	7.6 (8.7°)	6.6 (7.9°)	5.8 (7.0°)
3	non-supported	(6.4°)	(13.4)	(10.7)	(8.7)	(7.2)	(6.1)	(5.2)	(4.5)	(3.9)	(3.3)
	4 pt. supported	6.4° (6.4°)	21.5° (21.5°)	17.8 (18.1°)	14.3 (15.0°)	11.8 (12.8°)	9.9 (11.1°)	8.5 (9.8°)	7.4 (8.8°)	6.5 (7.8°)	5.7 (6.9°)
1.5	non-supported	(5.4°)	(12.4)	(9.9)	(8.2)	(6.8)	(5.8)	(5.0)	(4.3)	(3.8)	(3.3)
	4 pt. supported	5.4° (5.4°)	13.3° (13.3°)	17.0 (18.4°)	13.7 (15.2°)	11.4 (12.9°)	9.6 (11.2°)	8.3 (9.8°)	7.2 (8.7°)	6.4 (7.7°)	5.7 (6.7°)
0	non-supported	(6.3°)	(11.7°)	(9.4)	(7.8)	(6.5)	(5.6)	(4.8)	(4.2)	(3.7)	(3.3)
	4 pt. supported	6.3° (6.3°)	11.7° (11.7°)	16.4 (18.2°)	13.2 (15.1°)	11.0 (12.8°)	9.4 (11.1°)	8.1 (9.7°)	7.1 (8.5°)	6.3 (7.4°)	5.6 (6.3°)
-1.5	non-supported	(7.6°)	(11.6)	(9.1)	(7.5)	(6.3)	(5.4)	(4.7)	(4.1)	(3.6)	(3.2)
	4 pt. supported	7.6° (7.6°)	11.8° (11.8°)	16.1 (17.4°)	12.9 (14.6°)	10.8 (12.5°)	9.2° (10.8°)	8.0 (9.4°)	7.0 (8.2°)	6.2 (7.1°)	5.6 (5.7°)
-3	non-supported		(11.5)	(9.0)	(7.3)	(6.2)	(5.3)	(4.6)	(4.1)	(3.6)	
	4 pt. supported		12.7° (12.7°)	15.9 (16.2°)	12.8 (13.8°)	10.7 (11.8°)	9.1 (10.2°)	7.9 (8.9°)	7.0 (7.7°)	6.2 (6.4°)	
-4.5	non-supported			(9.0)	(7.3)	(6.1)	(5.3)	(4.6)	(4.1)		
	4 pt. supported			14.5° (14.5°)	12.5° (12.5°)	10.6 (10.9°)	9.1 (9.4°)	7.9 (8.1°)	6.9° (6.9°)		
-6	non-supported					(6.2)	(5.3)				
	4 pt. supported					9.5° (9.5°)	8.2° (8.2°)				

		MAX. REACH 20.1
3	non-supported	(3.2)
	4 pt. supported	5.4 (6.1°)

RECOMMENDED ATTACHMENTS	
LIFT HOOKS	20 t
TEREX® FUCHS CACTUS GRAB 0.8 m³	Open or half-closed shells
TEREX® FUCHS CACTUS GRAB 1.0 m³	Open or half-closed shells
TEREX® FUCHS CACTUS GRAB 1.2 m³	Open or half-closed shells
TEREX® FUCHS CACTUS GRAB 1.4 m³	Open or half-closed shells
CLAMSHELL GRAB 1.4 m³	Loose goods density up to 2,400 kg/m³
CLAMSHELL GRAB 1.6 m³	Loose goods density up to 2,000 kg/m³
CLAMSHELL GRAB 2.0 m³	Loose goods density up to 1,400 kg/m³

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 values for „not supported“ only apply via the steering axle or the locked oscillating axle. 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. For object handling application the machine has to be supported on a level ground.

WORKING RANGES/LIFTING CAPACITIES MHL380 D



Reach 21 m with dipperstick

Loading system:
Boom 11.35 m,
Dipperstick 8.95 m,
Cactus grab

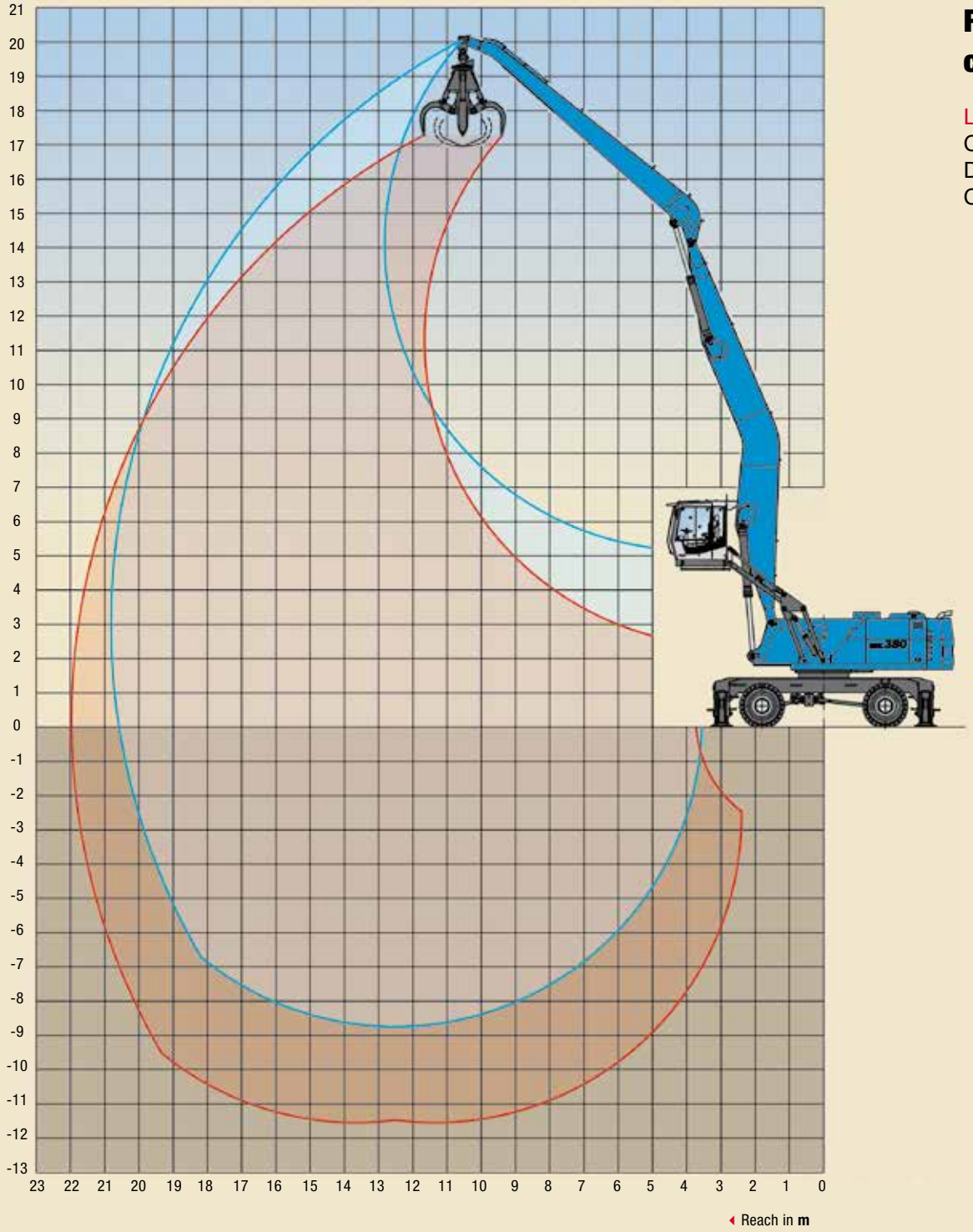
HEIGHT m	UNDERCARRIAGE STABILIZERS	REACH in m 6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21
19.5	non-supported				(10.2°)							
	4 pt. supported				10.2° (10.2°)							
18	non-supported				(11.3°)	(9.4)	(7.5)					
	4 pt. supported				11.3° (11.3°)	10.3° (10.3°)	8.0° (8.0°)					
16.5	non-supported					(9.6)	(7.7)	(6.2)				
	4 pt. supported					10.0° (10.0°)	9.3° (9.3°)	7.8° (7.8°)				
15	non-supported					(9.7)	(7.8)	(6.4)	(5.2)			
	4 pt. supported					9.9° (9.9°)	9.2° (9.2°)	8.6° (8.6°)	7.1° (7.1°)			
13.5	non-supported					(9.7)	(7.9)	(6.4)	(5.3)			
	4 pt. supported					9.9° (9.9°)	9.2° (9.2°)	8.5° (8.5°)	8.0° (8.0°)			
12	non-supported					(9.6)	(7.8)	(6.4)	(5.3)	(4.4)		
	4 pt. supported					10.0° (10.0°)	9.2° (9.2°)	8.6° (8.6°)	8.0° (8.0°)	7.0 (7.5°)		
10.5	non-supported				(11.3°)	(9.4)	(7.6)	(6.3)	(5.2)	(4.3)	(3.6)	
	4 pt. supported				11.3° (11.3°)	10.3° (10.3°)	9.4° (9.4°)	8.7° (8.7°)	8.1° (8.1°)	7.0 (7.5°)	5.7° (5.7°)	
9	non-supported				(11.4)	(9.1)	(7.4)	(6.1)	(5.1)	(4.3)	(3.6)	
	4 pt. supported				11.8° (11.8°)	10.6° (10.6°)	9.6° (9.6°)	8.8° (8.8°)	8.1° (8.1°)	6.9 (7.5°)	6.0 (7.0°)	
7.5	non-supported			(14.1)	(10.9)	(8.8)	(7.2)	(6.0)	(5.0)	(4.2)	(3.5)	
	4 pt. supported			14.3° (14.3°)	12.5° (12.5°)	11.0° (11.0°)	9.9° (9.9°)	9.0° (9.0°)	8.0 (8.3°)	6.8 (7.6°)	5.9 (7.0°)	
6	non-supported	(24.0°)	(17.5)	(13.2)	(10.3)	(8.3)	(6.9)	(5.7)	(4.8)	(4.1)	(3.5)	
	4 pt. supported	24.0° (24.0°)	18.7° (18.7°)	15.4° (15.4°)	13.2° (13.2°)	11.5° (11.5°)	10.3° (10.3°)	9.1° (9.1°)	7.8 (8.4°)	6.7 (7.7°)	5.8 (7.0°)	
4.5	non-supported	(22.0)	(15.9)	(12.1)	(9.6)	(7.9)	(6.5)	(5.5)	(4.6)	(4.0)	(3.4)	
	4 pt. supported	27.7° (27.7°)	20.7° (20.7°)	16.6° (16.6°)	13.9° (13.9°)	12.0° (12.0°)	10.4° (10.4°)	8.8 (9.4°)	7.6 (8.5°)	6.6 (7.7°)	5.8 (7.0°)	
3	non-supported	(10.8°)	(14.2)	(11.1)	(9.0)	(7.4)	(6.2)	(5.2)	(4.5)	(3.8)	(3.3)	(2.9)
	4 pt. supported	10.8° (10.8°)	22.3° (22.3°)	17.6° (17.6°)	14.5° (14.5°)	12.0 (12.4°)	10.1 (10.8°)	8.6 (9.6°)	7.4 (8.6°)	6.5 (7.7°)	5.7 (6.9°)	5.0 (6.0°)
1.5	non-supported	(6.5°)	(12.9)	(10.3)	(8.4)	(7.0)	(5.9)	(5.0)	(4.3)	(3.7)	(3.2)	
	4 pt. supported	6.5° (6.5°)	16.2° (16.2°)	17.4 (18.1°)	13.9 (14.9°)	11.5 (12.7°)	9.7 (11.0°)	8.3 (9.7°)	7.2 (8.6°)	6.3 (7.6°)	5.6 (6.8°)	
0	non-supported	(6.2°)	(11.9°)	(9.6)	(7.9)	(6.6)	(5.6)	(4.8)	(4.2)	(3.6)	(3.2)	
	4 pt. supported	6.2° (6.2°)	11.9° (11.9°)	16.6 (18.2°)	13.4 (15.0°)	11.1 (12.7°)	9.4 (11.0°)	8.1 (9.6°)	7.1 (8.5°)	6.2 (7.5°)	5.5 (6.5°)	
-1.5	non-supported	(6.8°)	(11.0°)	(9.2)	(7.5)	(6.3)	(5.4)	(4.6)	(4.0)	(3.5)	(3.1)	
	4 pt. supported	6.8° (6.8°)	11.0° (11.0°)	16.2 (17.8°)	13.0 (14.8°)	10.8 (12.6°)	9.2 (10.8°)	8.0 (9.4°)	7.0 (8.3°)	6.1 (7.2°)	5.5 (6.2°)	
-3	non-supported	(7.7°)	(11.2°)	(9.0)	(7.3)	(6.1)	(5.2)	(4.5)	(4.0)	(3.5)	(3.1)	
	4 pt. supported	7.7° (7.7°)	11.2° (11.2°)	15.9 (16.9°)	12.8 (14.2°)	10.6 (12.1°)	9.0 (10.5°)	7.8 (9.1°)	6.9 (7.9°)	6.1 (6.8°)	5.5° (5.5°)	
-4.5	non-supported		(11.5)	(8.9)	(7.2)	(6.0)	(5.2)	(4.5)	(3.9)	(3.5)		
	4 pt. supported		11.8° (11.8°)	15.6° (15.6°)	12.7 (13.3°)	10.5 (11.4°)	9.0 (9.8°)	7.8 (8.5°)	6.8 (7.3°)	6.1° (6.1°)		
-6	non-supported			(8.9)	(7.2)	(6.0)	(5.1)	(4.5)	(3.9)			
	4 pt. supported			13.8° (13.8°)	11.9° (11.9°)	10.3° (10.3°)	8.9° (8.9°)	7.6° (7.6°)	6.4° (6.4°)			

		MAX. REACH 21
3	non-supported	(2.9)
	4 pt. supported	5.0 (6.0°)

RECOMMENDED ATTACHMENTS	
LIFT HOOKS	20 t
TEREX® FUCHS CACTUS GRAB 0.8 m³	Open or half-closed shells
TEREX® FUCHS CACTUS GRAB 1.0 m³	Open or half-closed shells
TEREX® FUCHS CACTUS GRAB 1.2 m³	Open or half-closed shells
TEREX® FUCHS CACTUS GRAB 1.4 m³	Open or half-closed shells
CLAMSHELL GRAB 1.4 m³	Loose goods density up to 2,100 kg/m³
CLAMSHELL GRAB 1.6 m³	Loose goods density up to 1,800 kg/m³
CLAMSHELL GRAB 2.0 m³	Loose goods density up to 1,200 kg/m³

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 values for „not supported“ only apply via the steering axle or the locked oscillating axle. 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. For object handling application the machine has to be supported on a level ground.

WORKING RANGES/LIFTING CAPACITIES MHL380 D



Reach 21.0 m cranked boom

Loading system:
Cranked boom 11.35 m,
Dipperstick 8.95 m,
Cactus grab

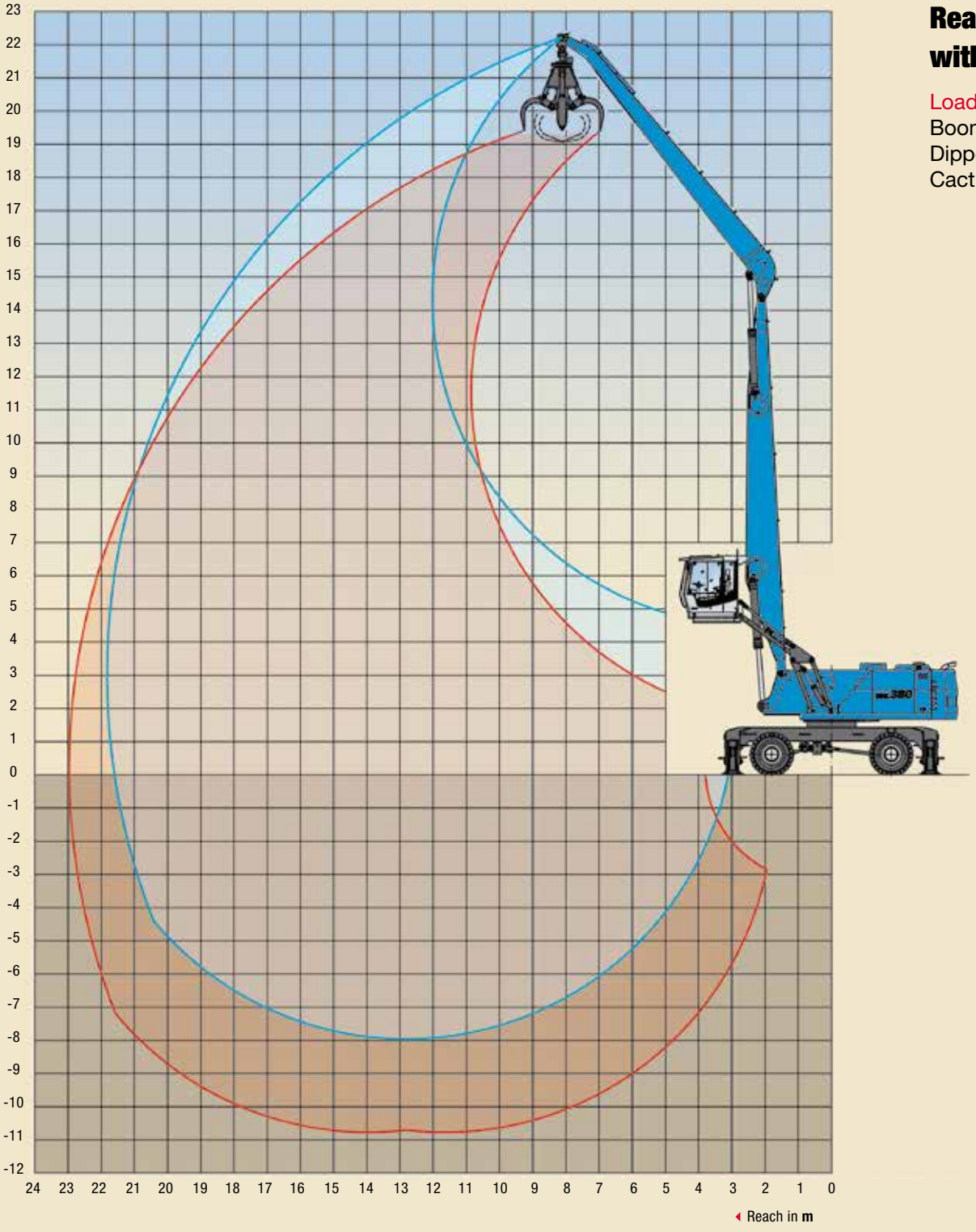
HEIGHT m	UNDERCARRIAGE STABILIZERS	REACH in m 4.5	6	7.5	9	10.5	12	13.5	15	16.5	18	19.5
18	non-supported						(8.3°)	(5.9°)				
	4 pt. supported						8.3° (8.3°)	5.9° (5.9°)				
16.5	non-supported							(7.7°)	(5.9°)			
	4 pt. supported							7.7° (7.7°)	5.9° (5.9°)			
15	non-supported							(7.7°)	(6.4)	(5.1)		
	4 pt. supported							7.7° (7.7°)	7.3° (7.3°)	5.3° (5.3°)		
13.5	non-supported							(7.7°)	(6.4)	(5.2)		
	4 pt. supported							7.7° (7.7°)	7.3° (7.3°)	7.0° (7.0°)		
12	non-supported							(7.7°)	(6.4)	(5.2)	(4.3)	
	4 pt. supported							7.7° (7.7°)	7.3° (7.3°)	7.0° (7.0°)	6.2° (6.2°)	
10.5	non-supported							(7.6)	(6.3)	(5.2)	(4.3)	
	4 pt. supported							7.9° (7.9°)	7.4° (7.4°)	7.0° (7.0°)	6.7° (6.7°)	
9	non-supported						(8.9°)	(7.4)	(6.1)	(5.1)	(4.2)	(3.5)
	4 pt. supported						8.9° (8.9°)	8.2° (8.2°)	7.6° (7.6°)	7.2° (7.2°)	6.8° (6.8°)	5.7° (5.7)
7.5	non-supported					(10.4°)	(8.8)	(7.1)	(5.9)	(4.9)	(4.2)	(3.5)
	4 pt. supported					10.4° (10.4°)	9.4° (9.4°)	8.6° (8.6°)	7.9° (7.9°)	7.3° (7.3°)	6.8° (6.8°)	5.9 (6.5°)
6	non-supported				(13.0°)	(10.3)	(8.3)	(6.8)	(5.7)	(4.8)	(4.0)	(3.4)
	4 pt. supported				13.0° (13.0°)	11.3° (11.3°)	10.0° (10.0°)	9.0° (9.0°)	8.2° (8.2°)	7.5° (7.5°)	6.7 (7.0°)	5.8 (6.5°)
4.5	non-supported		(22.0)	(15.8)	(12.1)	(9.6)	(7.8)	(6.5)	(5.4)	(4.6)	(3.9)	(3.3)
	4 pt. supported		23.9° (23.9°)	17.9° (17.9°)	14.4° (14.4°)	12.2° (12.2°)	10.6° (10.6°)	9.4° (9.4°)	8.5° (8.5°)	7.6 (7.8°)	6.6 (7.1°)	5.7 (6.6°)
3	non-supported		(13.0°)	(14.1)	(11.1)	(8.9)	(7.3)	(6.1)	(5.2)	(4.4)	(3.8)	(3.3)
	4 pt. supported		13.0° (13.0°)	20.0° (20.0°)	15.7° (15.7°)	13.0° (13.0°)	11.2° (11.2°)	9.8° (9.8°)	8.5 (8.8°)	7.4 (8.0°)	6.4 (7.3°)	5.6 (6.7°)
1.5	non-supported		(7.8°)	(12.8)	(10.2)	(8.3)	(6.9)	(5.8)	(4.9)	(4.2)	(3.7)	(3.2)
	4 pt. supported		7.8° (7.8°)	18.0° (18.0°)	16.7° (16.7°)	13.7° (13.7°)	11.5° (11.5°)	9.7 (10.2°)	8.3 (9.0°)	7.2 (8.1°)	6.3 (7.3°)	5.5 (6.7°)
0	non-supported	(4.1°)	(7.1°)	(11.9)	(9.5)	(7.8)	(6.5)	(5.5)	(4.7)	(4.1)	(3.6)	(3.1)
	4 pt. supported	4.1° (4.1°)	7.1° (7.1°)	13.1° (13.1°)	16.5 (17.4°)	13.3 (14.2°)	11.1 (12.0°)	9.4 (10.4°)	8.1 (9.2°)	7.0 (8.2°)	6.2 (7.4°)	5.5 (6.6°)
-1.5	non-supported	(5.2°)	(7.6°)	(11.5)	(9.1)	(7.4)	(6.2)	(5.3)	(4.6)	(4.0)	(3.5)	(3.1)
	4 pt. supported	5.2° (5.2°)	7.6° (7.6°)	11.8° (11.8°)	16.0 (17.6°)	12.9 (14.4°)	10.8 (12.2°)	9.1 (10.6°)	7.9 (9.3°)	6.9 (8.2°)	6.1 (7.3°)	5.4 (6.5°)
-3	non-supported	(6.4°)	(8.3°)	(11.3)	(8.8)	(7.2)	(6.0)	(5.2)	(4.5)	(3.9)	(3.4)	(3.1)
	4 pt. supported	6.4° (6.4°)	8.3° (8.3°)	11.7° (11.7°)	15.8 (17.3°)	12.7 (14.4°)	10.5 (12.2°)	9.0 (10.5°)	7.8 (9.2°)	6.8 (8.1°)	6.0 (7.1°)	5.4 (6.2°)
-4.5	non-supported		(9.1°)	(11.3)	(8.7)	(7.1)	(5.9)	(5.1)	(4.4)	(3.8)	(3.4)	
	4 pt. supported		9.1° (9.1°)	12.1° (12.1°)	15.7 (16.7°)	12.6 (14.0°)	10.4 (11.9°)	8.9 (10.3°)	7.7 (8.9°)	6.8 (7.8°)	6.0 (6.8°)	
-6	non-supported			(11.4)	(8.8)	(7.1)	(5.9)	(5.1)	(4.4)	(3.9)	(3.5)	
	4 pt. supported			12.7° (12.7°)	15.7° (15.7°)	12.6 (13.2°)	10.4 (11.3°)	8.9 (9.8°)	7.7 (8.5°)	6.8 (7.3°)	6.1° (6.1°)	
-7.5	non-supported				(8.9)	(7.2)	(6.0)	(5.1)	(4.4)	(3.9)		
	4 pt. supported				14.2° (14.2°)	12.1° (12.1°)	10.4° (10.4°)	8.9° (8.9°)	7.7° (7.7°)	6.5° (6.5°)		

		MAX. REACH 20.8
3	non-supported	(2.9)
	4 pt. supported	5.0° (5.0°)

RECOMMENDED ATTACHMENTS	
LIFT HOOKS	20 t
TEREX® FUCHS CACTUS GRAB 0.8 m³	Open or half-closed shells
TEREX® FUCHS CACTUS GRAB 1.0 m³	Open or half-closed shells
TEREX® FUCHS CACTUS GRAB 1.2 m³	Open or half-closed shells
TEREX® FUCHS CACTUS GRAB 1.4 m³	Open or half-closed shells
CLAMSHELL GRAB 1.4 m³	Loose goods density up to 2,300 kg/m³
CLAMSHELL GRAB 1.6 m³	Loose goods density up to 1,900 kg/m³
CLAMSHELL GRAB 2.0 m³	Loose goods density up to 1,400 kg/m³

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 values for „not supported“ only apply via the steering axle or the locked oscillating axle. 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. For object handling application the machine has to be supported on a level ground.

WORKING RANGES / LIFTING CAPACITIES MHL380 D



Reach 22.0 m with dipperstick

Loading system:
Boom 11.35 m,
Dipperstick 9.9 m,
Cactus grab

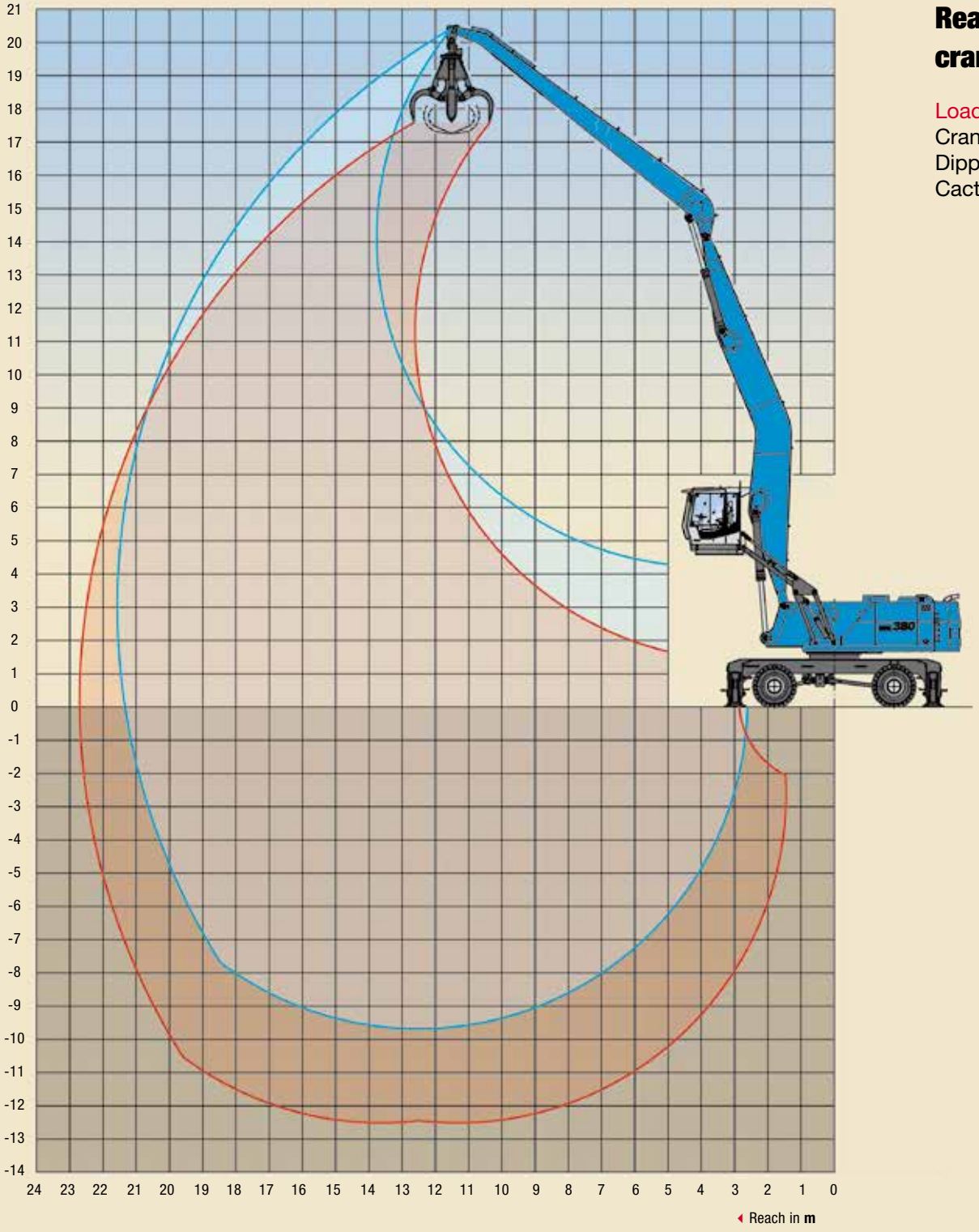
HEIGHT m	UNDERCARRIAGE STABILIZERS	REACH in m										
		6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21
19.5	non-supported					(7.8°)						
	4 pt. supported					7.8° (7.8°)						
18	non-supported					(9.4°)	(7.9°)	(5.7°)				
	4 pt. supported					9.4° (9.4°)	7.9° (7.9°)	5.7° (5.7°)				
16.5	non-supported					(9.7°)	(8.2)	(6.7)	(5.4°)			
	4 pt. supported					9.7° (9.7°)	9.1° (9.1°)	7.8° (7.8°)	5.4° (5.4°)			
15	non-supported					(9.6°)	(8.3)	(6.8)	(5.6)			
	4 pt. supported					9.6° (9.6°)	9.0° (9.0°)	8.4° (8.4°)	7.3° (7.3°)			
13.5	non-supported					(9.6°)	(8.3)	(6.8)	(5.6)	(4.6)		
	4 pt. supported					9.6° (9.6°)	8.9° (8.9°)	8.4° (8.4°)	7.8° (7.8°)	6.5° (6.5°)		
12	non-supported					(9.7°)	(8.2)	(6.8)	(5.6)	(4.6)	(3.8)	
	4 pt. supported					9.7° (9.7°)	9.0° (9.0°)	8.4° (8.4°)	7.9° (7.9°)	7.3° (7.3°)	5.1° (5.1°)	
10.5	non-supported					(10.0°)	(8.1)	(6.7)	(5.5)	(4.6)	(3.8)	
	4 pt. supported					10.0° (10.0°)	9.2° (9.2°)	8.5° (8.5°)	7.9° (7.9°)	7.3° (7.3°)	6.2 (6.6°)	
9	non-supported				(11.4°)	(9.7)	(7.9)	(6.5)	(5.4)	(4.5)	(3.8)	
	4 pt. supported				11.4° (11.4°)	10.3° (10.3°)	9.4° (9.4°)	8.7° (8.7°)	8.0° (8.0°)	7.2 (7.5°)	6.2 (6.9°)	
7.5	non-supported				(11.6)	(9.3)	(7.6)	(6.3)	(5.2)	(4.4)	(3.7)	(3.1)
	4 pt. supported				12.0° (12.0°)	10.7° (10.7°)	9.7° (9.7°)	8.9° (8.9°)	8.2° (8.2°)	7.1 (7.5°)	6.1 (7.0°)	5.3 (5.5°)
6	non-supported		(17.5°)	(14.0)	(10.9)	(8.8)	(7.2)	(6.0)	(5.1)	(4.3)	(3.8)	(3.1)
	4 pt. supported		17.5° (17.5°)	14.7° (14.7°)	12.7° (12.7°)	11.2° (11.2°)	10.0° (10.0°)	9.1° (9.1°)	8.0 (8.3°)	6.9 (7.6°)	6.0 (7.0°)	5.3 (6.3°)
4.5	non-supported	(24.2)	(17.0)	(12.9)	(10.2)	(8.2)	(6.8)	(5.7)	(4.8)	(4.1)	(3.5)	(3.0)
	4 pt. supported	25.4° (25.4°)	19.4° (19.4°)	15.8° (15.8°)	13.4° (13.4°)	11.7° (11.7°)	10.3° (10.3°)	9.1 (9.3°)	7.8 (8.4°)	6.8 (7.7°)	5.9 (7.0°)	5.2 (6.3°)
3	non-supported	(20.6)	(15.1)	(11.7)	(9.4)	(7.7)	(6.4)	(5.4)	(4.6)	(4.0)	(3.4)	(3.0)
	4 pt. supported	28.6° (28.6°)	21.2° (21.2°)	16.9° (16.9°)	14.1° (14.1°)	12.1° (12.1°)	10.3 (10.6°)	8.8 (9.5°)	7.6 (8.5°)	6.6 (7.7°)	5.8 (7.0°)	5.1 (6.2°)
1.5	non-supported	(10.5°)	(13.4)	(10.6)	(8.6)	(7.2)	(6.0)	(5.1)	(4.4)	(3.8)	(3.3)	(2.9)
	4 pt. supported	10.5° (10.5°)	22.3° (22.3°)	17.6° (17.6°)	14.2 (14.6°)	11.8 (12.4°)	9.9 (10.8°)	8.5 (9.6°)	7.4 (8.6°)	6.4 (7.7°)	5.7 (6.9°)	5.1 (6.1°)
0	non-supported	(8.0°)	(12.3)	(9.8)	(8.0)	(6.7)	(5.7)	(4.9)	(4.2)	(3.7)	(3.2)	(2.8)
	4 pt. supported	8.0° (8.0°)	15.7° (15.7°)	16.8 (17.9°)	13.6 (14.8°)	11.3° (12.6°)	9.6 (10.9°)	8.2 (9.6°)	7.2 (8.5°)	6.3 (7.6°)	5.6 (6.8°)	5.0 (5.9°)
-1.5	non-supported	(7.8°)	(11.5)	(9.2)	(7.5)	(6.4)	(5.4)	(4.7)	(4.1)	(3.6)	(3.2)	(2.8)
	4 pt. supported	7.8° (7.8°)	12.8° (12.8°)	16.1 (17.8°)	13.0 (14.7°)	10.9 (12.5°)	9.3 (10.8°)	8.0 (9.5°)	7.0 (8.4°)	6.2 (7.4°)	5.5 (6.5°)	5.0 (5.5°)
-3	non-supported	(8.2°)	(11.1)	(8.8)	(7.2)	(6.1)	(5.2)	(4.5)	(4.0)	(3.5)	(3.1)	
	4 pt. supported	8.2° (8.2°)	12.1° (12.1°)	15.7 (17.2°)	12.7 (14.3°)	10.6 (12.2°)	9.0 (10.6°)	7.8 (9.2°)	6.9 (8.1°)	6.1 (7.1°)	5.5 (6.1°)	
-4.5	non-supported	(8.9°)	(11.0)	(8.6)	(7.0)	(5.9)	(5.1)	(4.4)	(3.9)	(3.4)	(3.1)	
	4 pt. supported	8.9° (8.9°)	12.1° (12.1°)	15.5 (16.1°)	12.5 (13.6°)	10.4 (11.7°)	8.9 (10.1°)	7.7 (8.8°)	6.8 (7.6°)	6.1 (6.6°)	5.5° (5.5°)	
-6	non-supported		(11.0)	(8.5)	(7.0)	(5.8)	(5.0)	(4.4)	(3.9)	(3.5)		
	4 pt. supported		12.6° (12.6°)	14.6° (14.6°)	12.4 (12.5°)	10.3 (10.8°)	8.8 (9.3°)	7.7 (8.1°)	6.8 (7.0°)	5.8° (5.8°)		
-7.5	non-supported				(7.0)	(5.9)	(5.0)	(4.4)				
	4 pt. supported				11.0° (11.0°)	9.5° (9.5°)	8.3° (8.3°)	7.1° (7.1°)				

		MAX. REACH 21.8
3	non-supported	(2.8)
	4 pt. supported	4.8° (4.8°)

RECOMMENDED ATTACHMENTS	
LIFT HOOKS	20 t
TEREX ® FUCHS CACTUS GRAB 0.8 m³	Open or half-closed shells
TEREX ® FUCHS CACTUS GRAB 1.0 m³	Open or half-closed shells
TEREX ® FUCHS CACTUS GRAB 1.2 m³	Open or half-closed shells
TEREX ® FUCHS CACTUS GRAB 1.4 m³	Open or half-closed shells
CLAMSHELL GRAB 1.4 m³	Loose goods density up to 2,000 kg/m ³
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

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 values for „not supported“ only apply via the steering axle or the locked oscillating axle. 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. For object handling application the machine has to be supported on a level ground.

WORKING RANGES/LIFTING CAPACITIES MHL380 D



Reach 22.0 m cranked boom

Loading system:
Cranked boom 11.35 m,
Dipperstick 9.9 m,
Cactus grab

HEIGHT m	UNDERCARRIAGE STABILIZERS	REACH in m 6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21
18	non-supported						(7.4°)	(5.2°)				
	4 pt. supported						7.4° (7.4°)	5.2° (5.2°)				
16.5	non-supported						(7.5°)	(6.7)	(4.9°)			
	4 pt. supported						7.5° (7.5°)	7.2° (7.2°)	4.9° (4.9°)			
15	non-supported							(6.8)	(5.6)			
	4 pt. supported							7.1° (7.1°)	6.8° (6.8°)			
13.5	non-supported							(6.8)	(5.6)	(4.6)		
	4 pt. supported							7.1° (7.1°)	6.8° (6.8°)	6.1° (6.1°)		
12	non-supported							(6.8)	(5.6)	(4.6)	(3.8)	
	4 pt. supported							7.1° (7.1°)	6.8° (6.8°)	6.5° (6.5°)	4.6° (4.6°)	
10.5	non-supported						(7.7°)	(6.7)	(5.5)	(4.6)	(3.8)	
	4 pt. supported						7.7° (7.7°)	7.2° (7.2°)	6.9° (6.9°)	6.6° (6.6°)	6.1° (6.1°)	
9	non-supported						(7.9°)	(6.5)	(5.4)	(4.5)	(3.8)	
	4 pt. supported						7.9° (7.9°)	7.4° (7.4°)	7.0° (7.0°)	6.6° (6.6°)	6.2 (6.3°)	
7.5	non-supported					(9.0°)	(7.6)	(6.3)	(5.2)	(4.4)	(3.7)	(3.1)
	4 pt. supported					9.0° (9.0°)	8.3° (8.3°)	7.7° (7.7°)	7.2° (7.2°)	6.8° (6.8°)	6.1 (6.4°)	5.0° (5.0°)
6	non-supported				(10.7°)	(8.8)	(7.2)	(6.0)	(5.0)	(4.3)	(3.6)	(3.1)
	4 pt. supported				10.7° (10.7°)	9.6° (9.6°)	8.7° (8.7°)	8.0° (8.0°)	7.4° (7.4°)	6.9° (6.9°)	6.0 (6.5°)	5.3 (5.8°)
4.5	non-supported		(16.4°)	(12.9)	(10.2)	(8.2)	(6.8)	(5.7)	(4.8)	(4.1)	(3.5)	(3.0)
	4 pt. supported		16.4° (16.4°)	13.5° (13.5°)	11.6° (11.6°)	10.2° (10.2°)	9.1° (9.1°)	8.3° (8.3°)	7.6° (7.6°)	6.8 (7.0°)	5.9 (6.6°)	5.2 (6.1°)
3	non-supported	(20.6)	(15.1)	(11.7)	(9.4)	(7.7)	(6.4)	(5.4)	(4.6)	(3.9)	(3.4)	(2.9)
	4 pt. supported	25.2° (25.2°)	18.6° (18.6°)	14.8° (14.8°)	12.4° (12.4°)	10.8° (10.8°)	9.5° (9.5°)	8.6° (8.6°)	7.6 (7.8°)	6.6 (7.2°)	5.8 (6.6°)	5.1 (6.1°)
1.5	non-supported	(11.4°)	(13.4)	(10.6)	(8.6)	(7.1)	(6.0)	(5.1)	(4.4)	(3.8)	(3.3)	(2.9)
	4 pt. supported	11.4° (11.4°)	20.3° (20.3°)	16.0° (16.0°)	13.2° (13.2°)	11.3° (11.3°)	9.9° (9.9°)	8.5 (8.8°)	7.4 (8.0°)	6.4 (7.3°)	5.7 (6.7°)	5.0 (6.1°)
0	non-supported	(8.6°)	(12.2)	(9.7)	(8.0)	(6.7)	(5.7)	(4.9)	(4.2)	(3.7)	(3.2)	(2.8)
	4 pt. supported	8.6° (8.6°)	16.5° (16.5°)	16.8° (16.8°)	13.5 (13.8°)	11.2 (11.7°)	9.5 (10.2°)	8.2 (9.1°)	7.2 (8.1°)	6.3 (7.4°)	5.6 (6.7°)	5.0 (6.0°)
-1.5	non-supported	(8.3°)	(11.4)	(9.1)	(7.5)	(6.3)	(5.4)	(4.6)	(4.0)	(3.5)	(3.1)	(2.8)
	4 pt. supported	8.3° (8.3°)	13.3° (13.3°)	16.1 (17.2°)	13.0 (14.1°)	10.8 (12.0°)	9.2 (10.4°)	8.0 (9.2°)	7.0 (8.2°)	6.2 (7.4°)	5.5 (6.6°)	4.9 (5.9°)
-3	non-supported	(8.6°)	(11.0)	(8.7)	(7.2)	(6.0)	(5.2)	(4.5)	(3.9)	(3.5)	(3.1)	
	4 pt. supported	8.6° (8.6°)	12.4° (12.4°)	15.7 (17.2°)	12.6 (14.2°)	10.5 (12.1°)	9.0 (10.5°)	7.8 (9.2°)	6.9 (8.2°)	6.1 (7.3°)	5.4 (6.5°)	
-4.5	non-supported	(9.1°)	(10.8)	(8.5)	(7.0)	(5.9)	(5.0)	(4.4)	(3.8)	(3.4)	(3.1)	
	4 pt. supported	9.1° (9.1°)	12.4° (12.4°)	15.4 (16.8°)	12.4 (14.0°)	10.4 (11.9°)	8.8 (10.3°)	7.7 (9.1°)	6.8 (8.0°)	6.0 (7.1°)	5.4 (6.1°)	
-6	non-supported	(9.8°)	(10.9)	(8.4)	(6.9)	(5.8)	(5.0)	(4.3)	(3.8)	(3.4)	(3.1)	
	4 pt. supported	9.8° (9.8°)	12.7° (12.7°)	15.4 (16.1°)	12.3 (13.5°)	10.3 (11.5°)	8.8 (10.0°)	7.6 (8.7°)	6.7 (7.6°)	6.0 (6.6°)	5.5° (5.5°)	
-7.5	non-supported		(11.0)	(8.5)	(6.9)	(5.8)	(5.0)	(4.3)	(3.9)	(3.5)		
	4 pt. supported		13.2° (13.2°)	14.9° (14.9°)	12.4 (12.6°)	10.3 (10.9°)	8.8 (9.4°)	7.7 (8.2°)	6.8 (7.0°)	5.9 (5.9°)		
-9	non-supported			(8.7)	(7.0)	(5.9)	(5.1)	(4.4)				
	4 pt. supported			13.3° (13.3°)	11.4° (11.4°)	9.8° (9.8°)	8.5° (8.5°)	7.3° (7.3°)				

												MAX. REACH 21.7
3	non-supported											(2.7)
	4 pt. supported											4.7° (4.7°)

RECOMMENDED ATTACHMENTS	
LIFT HOOKS	20 t
TEREX ® FUCHS CACTUS GRAB 0.8 m³	Open or half-closed shells
TEREX ® FUCHS CACTUS GRAB 1.0 m³	Open or half-closed shells
TEREX ® FUCHS CACTUS GRAB 1.2 m³	Open or half-closed shells
TEREX ® FUCHS CACTUS GRAB 1.4 m³	Open or half-closed shells
CLAMSHELL GRAB 1.4 m³	Loose goods density up to 1,900 kg/m³
CLAMSHELL GRAB 1.6 m³	Loose goods density up to 1,600 kg/m³
CLAMSHELL GRAB 2.0 m³	Loose goods density up to 1,100 kg/m ³

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 values for „not supported“ only apply via the steering axle or the locked oscillating axle. 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. For object handling application the machine has to be supported on a level ground.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MHL380 D

Makes light work of heavy tasks

Mobile, flexible, powerful: the MHL380 D is the ideal loading machine for the diverse requirements of modern port logistics. In contrast to stationary cable or gantry cranes, this mobile loading machine is quickly ready for use wherever it is needed. The powerful hydraulics and absolutely solid statics enable it to manoeuvre both quickly and precisely even with heavy loads. A range of attachments ensures maximum flexibility in use.

HIGH PERFORMANCE SPECTRUM.
BROAD USAGE SPECTRUM.

In the cab, which can be elevated smoothly to a height of 6.2 metres above the ground or moved forwards by up to 2.2 metres, the large panorama windows provide a commanding view. Whether from ship to ship or between ship and storage site, lorry and railway car: the projecting operating position and the responsive controls with their very short reaction times guarantee that the load will be moved with absolute precision. With these outstanding characteristics the MHL380 D is the tool with which to successfully make the transition from traditional material handling operations to modern port logistics.