

available for sale

FUCHS MHL350 C

#0785

General details

BJ 2004
ca 16590 hours
30 ton
15 m reach
12490 x 3000 x 3610 mm (l/w/h)

Technical details

- Deutz BF 6 M 1013 EC, 142 kW
- 6 cylinder, in-line
- 12.00-20 x8 solid tires
- complete reparations list can be found in this file



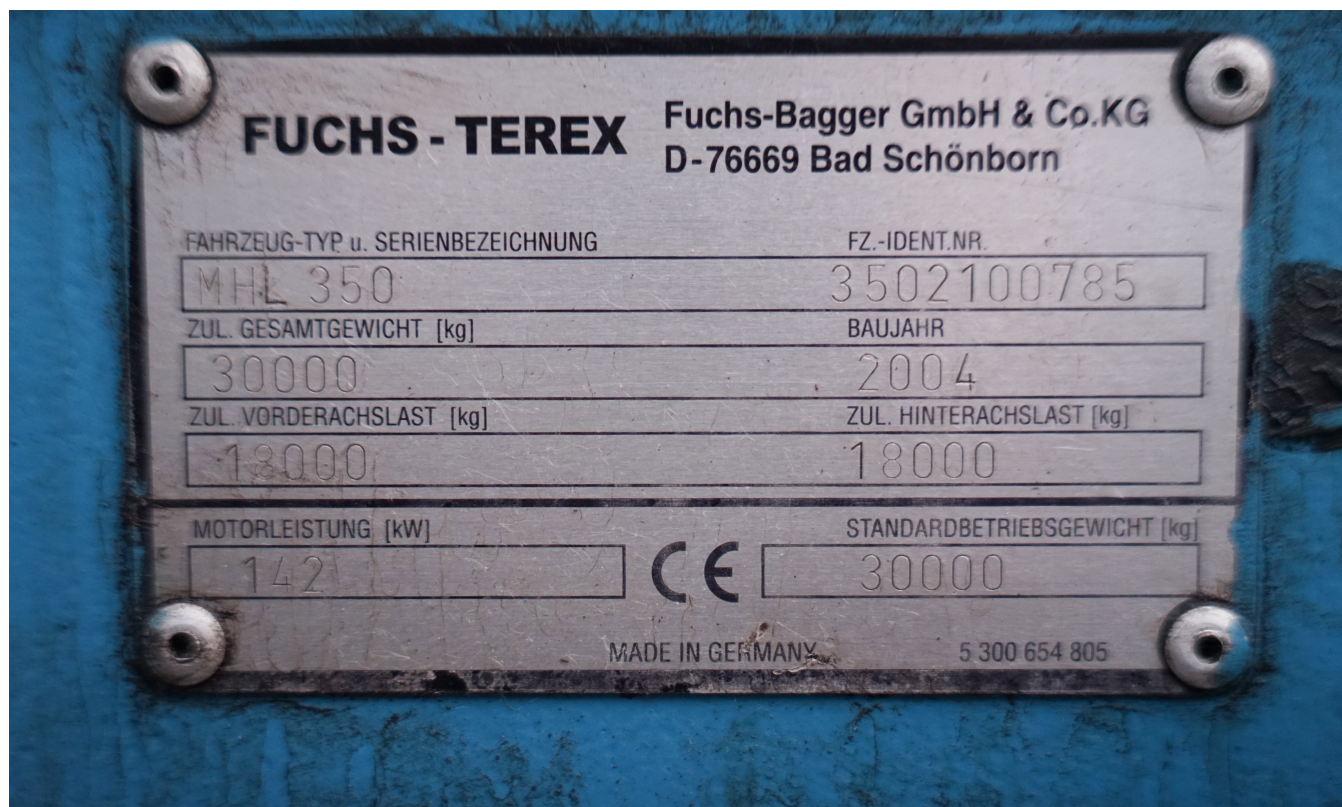
HWH Machines GmbH
Robert-Bosch-Ring 12
75038 Oberderdingen
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3.16.5 Working range diagram (15 m loading equipment)

Work equipment: box-type boom 8.2 m, dipperstick 6.5 m and cactus grab

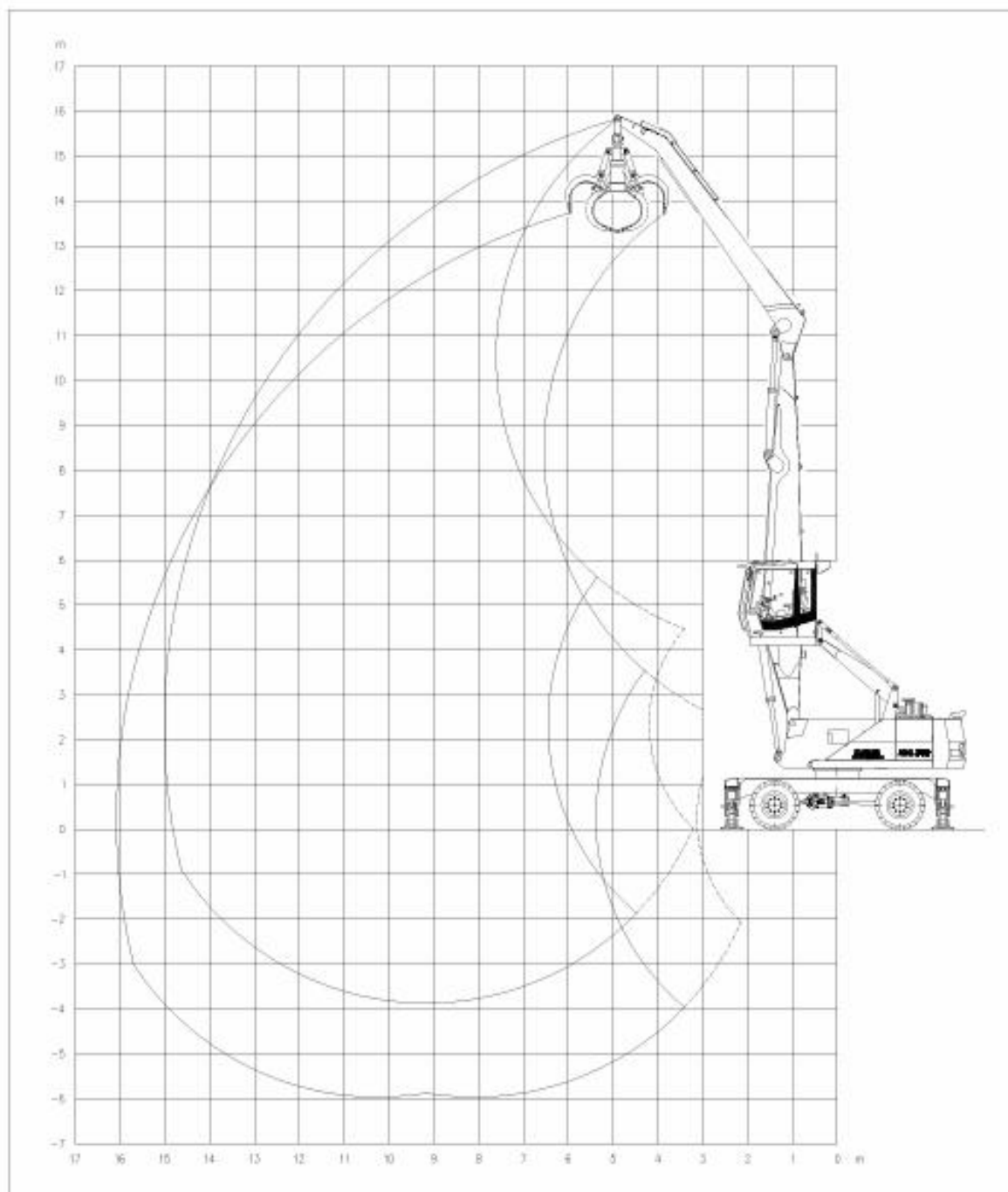


Fig. 9 Working range diagram (15 m loading equipment)

Designation	Filling quantity	Fluid	Remarks
Fuel tank	350 l	Diesel	
Engine oil	20 l	High pressure oil	First filling: 21 l
Hydraulic oil tank	380 l	Hydraulic oil	Change quantity
Front axle, cpl.	14 l	Transmission oil	
Per wheel hub	1.5 l	Transmission oil	
Differential	11 l	Transmission oil	
Rear axle, cpl.	25.5 l	Transmission oil	
Per wheel hub	1.5 l	Transmission oil	
Differential	22.5 l	Transmission oil	
Power shift transmission	5.5 l	Transmission oil	
Swing gear	6.5 l	Transmission oil	
Ring gear of slewing joint	Supplied by central lubricating system		
Grease lubrication system	3 kg	Multi-purpose grease	
Service brake	Supplied by hydraulic system		
Oil-immersed air filter (heater)	0.16 l	Engine oil	Only when supplementary heating fitted
Air conditioning	1,550 g	Coolant R134a	
	150 g	Cooling oil PAG	
Cooling system	36 l	Coolant	Water + nitrite-, amine- and phosphate-free coolant (for composition, please refer to the engine manufacturer's instructions)
Windshield wash/wipe system	4 l	Water with windshield detergent	
Grab gear (FUCHS 0.4 m³ – 0.8 m³)	0.7 l	Transmission oil	



ATTENTION

The level marking is always the decisive factor for the correct filling quantity, not the values stated above.

Application	Prescribed fuels, lubricants and coolants for Central Europe		
	Designation	Product recommendation	Specification, Standards, Quality
Engine	Diesel fuel	Use of branded fuels with a sulfur content of < 0.05 %	DIN EN 590 ASTM D 975-88; 1-D/2-D Before using RME-fuels (rape oil methyl ester), it is essential to consult your responsible FUCHS dealer for further details.
Engine	Engine oil	Titan Cargo MC 10W-40	DQC II API CG-4/CH-4 ACEA-E3-96/E5-02 see also engine manufacturer's instructions
Cooling for engine	Coolant	Fricofin	BASF G 48 clean water and antifreeze based on ethylene glycol see also engine manufacturer's instructions
Hydraulic working circuits	Hydraulic oil or multi-grade oil	Renolin B 15 or Renolin B 46 HVI (Brand label on machine.)	HLP or HVLP ISO VG 46 the following viscosity limit values must be kept (according to ASTM 445): at 100 °C min. 7,0 mm ² /s (cSt) at -10 °C < 1300 mm ² /s (cSt)
	Biodegradable hydraulic oil on synthetic ester base	PANOLIN HLP SYNTH 46	HEES ISO VG 46 Filling according to customer specifications. Brand label on machine. Do not mix biodegradable oils of different suppliers. The same viscosity specifications apply as for mineral hydraulic oils. When changing from mineral to biodegradable hydraulic oils, the tank and hydraulic system must be completely drained, cleaned and flushed. For further details before changing oils, please consult your responsible FUCHS dealer.
Power shift transmission, swing gear, wheel hubs, axles, grab and magnet gears	Transmission oil	Titan Supergear SAE 80W-90	SAE 80W-90 API GL-4/GL-5 ZF-TZ-MZ 02B, 05A, 07A, 12B, 16F, 17B
Grease lubrication system, other lubricating points	Multi-purpose grease	Renolit Duraplex EP 2	Lithium-complex soap K P 2P-30 DIN 51 502
Ring gear of slewing joint			Lubrication via grease lubrication system

	· New cylinder barrel × 4 · New piston rod × 1 · Brazing of piston rods × 3 · Renewal / machining of rod guides × 4 · New seals and seal replacement × 4 · New spherical bearings × 8 · Build-up welding and boring of bearing seats × 8	2,860 € 598 € 576 € 194 € 1,240 € 576 € 1,050 €
13.	Steering cylinders — 2 pcs.	
	· New piston rod with eye and spherical bearing × 2 · Honing of cylinder barrels × 2 · New seals × 2 · Disassembly and reassembly	334 € 60 € 100 € 72 €
14.	Locking cylinders of the oscillating axle (Pendelachse) — 2 pcs.: seal kit + disassembly/reassembly	180 €
15.	Hydraulic oil change HV46, hydraulic tank cleaning, 2 oil-filter elements and breather filter	1,786 €
16.	Replacement of the coupling (metal + plastic)	406 €
17.	Central lubrication: new valves — elbow fittings, grease line, distributor (inspection) + pump element, labor	572 €
18.	Cab	
	· Replacement of the side window (large) with seal — the original pane was too small, being returned · New lower window · Bonding of the front windshield into the frame · New seal kit for cylinder and spherical bearings × 2 · New rain shield · New washer nozzles × 2 · New rear-view mirror with bracket · New water valve · New door handle with lock · New armrest gas spring × 1 · Cab crack repair, filling and repainting (only selected areas) · New wiper arm with motor	215 € 84 € 191 € 132 € 143 € 48 € 72 € 460 € 203 € 41 € 524 € 48 €
19.	Crack repair on boom and stick. New reinforcement plates	1,358 €
20.	Straightening of the counterweight and bolt tightening	84 €
21.	Repair of the electrical system (lighting), testing	834 €
	· New proximity switch between stick and boom · Valve and motor for heating/air conditioning · New cables and lamps · New washer pumps · New wiper motor · New travel switch · New electrical small parts	53 € 443 € 143 € 48 € 167 € 108 € 286 €
22.	Replacement of hydraulic hoses — 66 pcs.	3,000 €
23.	Coolers (water, oil, intercooler) — inspected	715 €
24.	Replacement of the steering column (repair was not possible)	477 €
25.	New side cover of the cooler	167 €
	· New handle and lock	167 €

26.	New gas springs for engine hood and radiator hood (front hood)	191 €
27.	Wheel disassembly / reassembly — 8 pcs. + 1 new bolt	240 €
28.	Hydraulics (additional)	
	· Replacement of the seal ring on the hydraulic pump	60 €
	· New oil-level indicator	36 €
	· New hydraulic-cooler mounts, 4 pcs.	24 €
	· New hydraulic accumulators 50 bar, 2 pcs.	286 €
	· New brake pads for the travel gear, 2 pcs.	48 €
29.	Deutz engine	
	· Full service: air filters and Mobil Delvac 10W40 oil	334 €
	· 3 intake-manifold gaskets + engine-hood gasket	108 €
	· Exhaust repair (one bend)	110 €
	· Replacement of the pre-heat sensor	136 €
	· Stepper-motor connection	12 €
	· New temperature sensor	46 €
	· Heater hoses	108 €
	· Coolant, 8 L	11 €
	· New crankshaft seal + replacement	96 €
	· New air-filter cap	48 €
	· Fuel tank cleaning, removal and refitting	191 €
	· New exhaust hose (Spiro) ø60 × 3 m	72 €
	· New fuel-level sensor	262 €
	· New engine-hood gas springs, 3 pcs.	96 €
30.	Air conditioning	
	· Motor	381 €
	· Fans, 3 pcs.	358 €
	· New engine V-belt pulley	84 €
	· Compressor	262 €
	· A/C dryer (original)	310 €
	· Brackets and hoses	72 €
	· Refrigerant, 1.5 kg	179 €
31.	Other	
	· Fuel, 70 L	96 €
	· Testing	286 €

TOTAL

52,344 €

Figure matches the original subcontractor report (ZUSAMMEN: 52,344 €). Item 06 "New slewing ring" (6,000 €) was settled under a separate invoice and is therefore not included in the total.

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All prices exclude VAT. · Report reflects the state at the time of issue. · Minor rounding possible; technical terminology translated for clarity.