ATLAS

Wheel Excavator 160MH (with Lift-Cab)

















Technical specifications

ENGINE

Power rating acc. to ISO 924980 kW (109 HP)
RPM1800/min
Make / model Deutz / TCD 4.1 (Stage 3B)
DesignTurbocharger
Displacement4038 cm ³
Number of cylinders 4
Cooling systemWater-cooled
Air filterDry air filter
Battery 2 x 12 V / 100 Ah
Generator 24 V / 55 Ah
Starter 24 V / 4 kW

HYDRAULIC SYSTEM

- AWE 5 system (Load sensing)
- Load limit controlled high-performance pump
- Fuel-efficient flow-on-demand control
- Suction valves for all work functions
- · Load-retaining a. fine lowering valves in lifting circuit
- Sensitive, proportional, independent control
- · Primary and secondary protection against overload Pipe-break protection valves for lifting cylinders
- Grab / grab-rotating function equipped as standard
- Max. oil flow188 l/min
- Max. operating pressure360 bar

EQUIPMENT

BASIC UNIT:

- Wheeled excavator with support and dozer blade on steering axle, 2x outrigger support on rigid axle and 2 lifting cylinders (A4.35)
- Monoblock boom 4.22 m (C3.3M)
- Stick 2.50 m (D33)

DRIVER'S CAB:

- Lift-cabin 2 m elevation
- · Air conditioning equipped as standard
- Air-cushioned comfort seat (seat heating optional)
- Preparation for radio installation with mute function

TRACTION DRIVE

Max. speed	20 km/h
Tractive force	83.0 kN
Max. gradeability	65 %

UNDERCARRIAGE

- 28 tons special excavator axles
- · Steering axle with automatic oscillating axle locking
- 8 tires (twins) 10.00 20

FILL CAPACITIES

Fuel tank	240	litres
• Engine oil	10	litres
Hydraulic tank	157	litroc

DRIVER'S CAB

- Meets latest safety standards
- Extra large entry zone
- · Excellent circumferential visibility*
- ISO 6396 (LpA) in driver's cab...... 74 dB(A)
- 2000/14 EG (LwA) ambience level.... 100 dB(A)
- Lift cab 2 m elevation

SWING ASSEMBLY

- Max. swing speed......9/min Orange peel grab
- Axial piston motor with priority valve
- · Automatically controlled multi-disc brake
- Planetary transmission

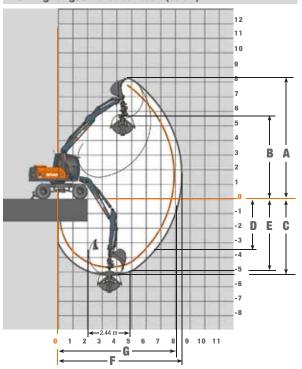
Fuel tank	240	litres
• Engine oil	10	litres
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ATTACHMENTS (SELECTION)

- Sorting grapple
- · Clamshell grab
- Log grab
- Load hook

Stick length 2.50m (D33)

Working ranges Monoblock boom (C3.3M)



www.atlasgmbh.com

info@atlasgmbh.com

ATLAS Maschinen GmbH **EXCAVATORS** Atlasstrasse 6 27777 Ganderkesee, Germany T: +49 (0) 4222 954 0 F: +49 (0) 4222 954 343

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Α	Max. digging height	8.20 m
В	Max. dumping height	5.50 m
C	Max. digging depth	5.51 m
D	Max. vertical wall digging depth	3.70 m
E	Max. digging depth of cut for 2.44 m level	4.95 m
F	Max. digging reach	8.40 m
G	Max. digging reach at ground level	8.25 m
	Max. bucket digging force	106 kN
	Max. stick digging force	55 kN
	Tail swing radius	1.98 m
	Transport length (C3.3M; D33)	7.25 m
	Transport width	2.50 m
	Transport height (C3.3M; D33)	3.18 m

Lifting capacities Monoblock boom (C3.3M) and stick (D33). Max reach 8.40 m

		3.0 m		4.5 m		6.0 m	
		P		P		P	-
	Height	FRONT	LATERAL	FRONT	LATERAL	FRONT	LATERAL
+6.0 m	SDB/outriggers raised						
	SDB/outriggers supported						
+4.5 m	SDB/outriggers raised					3042*	2300
	SDB/outriggers supported					3042*	3042*
+3.0 m	SDB/outriggers raised			3829*	3390	3203*	2257
	SDB/outriggers supported			3829*	3829*	3203*	3203*
+1.5 m	SDB/outriggers raised			4541*	3208	3450*	2184
	SDB/outriggers supported			4541*	4541*	3450*	3450*
+0 m	SDB/outriggers raised	6434*	5360	4898*	3079	3544*	2127
	SDB/outriggers supported	6434*	6434*	4898*	4898*	3544*	3451
-1.5 m	SDB/outriggers raised	7028*	5368	4646*	3050	3179*	2126
	SDB/outriggers supported	7028*	7028*	4646*	4646*	3179*	3179*
-3.0 m	SDB/outriggers raised	5187*	5187*	3435*	3116		
	SDB/outriggers supported	5187*	5187*	3435*	3435*		

All values in kilogrammes (kg) were determined acc. ISO 10567 and include a stability factor of 1.33 or 87% of the hydraulic

These values are applicable at the top of the arm with optimum positioning of the corresponding arm system and with power boost switched on. "Value limited due to hydraulics.

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