

- 1 23.6 25.9 t
- 129 KW (175 HP) EU Stage V
- <u>/</u> 10.25 12.65 m

STABLE. STRONG. STEADY.



MATERIAL HANDLING MACHINE 250MH

ATLAS - CONSTRUCTION MACHINERY MANUFACTURER WITH TRADITION

From person to person

When Hinrich Weyhausen started selling construction and agricultural machinery in 1919, he discovered that the machines which his customers actually needed were not available. So he listened to them carefully and went about building the machines himself – exactly according to the requirements of the people who used his machines every day. He carried out pioneering work with a passion under the brand name of Atlas. His focus was always on the benefit of the machines. And nothing has changed for us in terms of this ideal today.









Atlas will make you strong with excellent products and a comprehensive service.

With highly motivated employees, a great deal of commitment and expertise ATLAS GmbH develops successful crane & excavator technologies. Numerous customers, engineers and experts all around the globe have made their contribution. The result is robust equipment to enable you to work more effectively and safely than ever before.

As our know-how grew, so too did our dealer and service network worldwide.

We can hence guarantee - in those days and today too - that we will always be on the spot when you need us.



CONSTRUCTION

TRANSPORT

INFRASTRUCTURE

RECYCLING









CUSTOMER SATISFACTION IS OUR PRIORITY!

WE ARE COMMITTED

to providing our customers with highest quality products and services.

QUALITY STANDARDS AND CUSTOMER SATISFACTION

are measured in terms of service performance, reliability, relevance and timeliness.

OUR COMPANY'S MISSION, GOALS AND OBJECTIVES

are directed towards ongoing process improvement as a basis for strengthening our competitive position and for improving product quality and service standards.

QUALITY STANDARDS AND CUSTOMER SATISFACTION

are measured in terms of product performance and reliability.

PRODUCT RANGE 250MH





ATLAS - The new excavator cabin



The new ATLAS cabin –
Best climate, sharp
display, digital and direct,
more space, best view, extremely quiet, feel good

Clear control panel –
Direct selection via keys or digital control via button......



Move safely: Standard lateraland rear view cameras



Most powerful air conditioning system - short airways - large lines - cross sections - silent



Best view – especially to the right



ATLAS - The new excavator cabin

Stay communicated - radio with **USB** connection - mobile phone tray by the left joystick



Lunch break - space for cool box with electrical connection - behind the driver's seat



Easy: Upper carriage lock at the push of a button on T



Bottle holder near the driver



Floor non-slip and Easy to sweep - storage space for tools and materials



TECHNICAL SPECIFICATION 250MH

ENGINE		
Power rating129 kW (175 HP)	Bore / cylinder stroke101 / 126	STANDARD BASIC EQUIPMENT:
RPM1800/min	Cooling system Water-cooled	Automatic idling system / Engine stop
ModelCummins / QSB 6.7 EU Stage V	Air filter	• Diesel pre-filter
DesignTurbocharger / intercooler	Battery2 x 12 V / 100 Ah	• Engine monitoring
Cylinder capacity6700 cm ³	Generator24 V / 70 A	
Number of cylinders 6	Starter24 V / 3.2 kW	

HYDRAULIC SYSTEM		
AWE 5 system (Load sensing)	Pipe break protection valves for lifting and articulated cylinders	• Operating modes:
Load limit controlled high-performance pump	Proportional grab and grab rotating function	F1 (Fine)
Fuel-efficient flow-on-demand control	• 3 circuits for additional consumer loads possible	F2 (Eco)
Sensitive, proportional, independent control	• Max. oil flow380 l/min	F3 (Power)
Primary and secondary protection against overload	Max. operating pressure340 (370) bar	 Accumulator for emergency lowering of the arm system
Suction valves for all work functions	Cylinder end position damping	Load-limit control

SWING ASSEMBLY		
Axial piston motor with priority valve	Automatically controlled multi-disc brake	• Swing torque63.2 kNm
Planetary transmission	Two, two-stage valves	Max. swing speed11/min

TRACTION DRIVE AND BRAKE	S	
Variable displacement motor	Automotive traveling and cruise control:	• Tractive force91.8 kN
Power-shift transmission	• Max. speed20 km/h	• Gradeability 55 %
Double-acting brake valve	• Off-road speed5 km/h	Dual-circuit brake system Multi-disc
• Travel direction pre-selection via switch in joystick	• Crawling speed1 km/h	Parking brake Multi-disc

UNDERCARRIAGE		
Steering axle with automatic oscillating axle locking	Heavy duty axles	• STD tires: Mitas 10.00-20 16PR EM23
Additional axis locking via left joystick	• Toolbox in undercarriage	

TIRES

OPTIONAL:

- 8-road tyres 10.00-20 16PR Nokia
- 8-road tyres 10.00-20 Super elastic (up to 16 km/h)
- 8-road tyres 215/70 R22.5 Caliber Power Grip 23
- 8-road tyres 10.00-20 16PR profile for asphalt use
 - 8-road tyres 315/70 R22.5 Marked with a band, Grader type

WORKING EQUIPMENT 250MH

DRIVER'S CAB		
Meets latest safety standards (ROPS)	DRIVER'S SEAT:	MONITORING:
Extra large entry zone	Comfort seat with headrest	Operating data display screen
Spacious leg room	Arm rests and lumbar support	 Automatic system for monitoring, warning and storage of data
Radio preparation with mute function	Seat adjustable separately from console	Rear view security camera
Ready for electric cooling box	Air suspension	Right side camera
 Different options for storage, compartment for documents 	Heated	
• Heat-absorbing glass, tinted windows	Horizontal and vertical suspension	CLIMATE CONTROL:
Excellent all-way visibility	Lumbar support Automatic climate control	
Bottle holder		 Excellent air distribution through optimally arranged nozzles
	CONTROL:	Refrigerant R134a
	• Ergonomic joysticks with proportional slide control	
	 Slim steering column, height and tilt adjustable 	SOUND LEVELS:
	 Indicators, controls and operating switches are clearly arranged 	• ISO 6396 (L _p A) in driver's cab71 dB(A)
	Swing axle lock in the left joystick	• 2000/14 EG (L _w A) ambience level100 dB(A)

ADDITIONAL EQUIPMENT		
Beacon light	Alarm-signal while driving	Electric cooling box
Gear protection	Auxiliary heating with water circuit	Radio with USB
Cabin Sliding door	Automatic working brake	 GPS/GSM telemetric system for monitoring of operat- ing data, consumption, position
Cab protection guard	Switch hydraulic attachment kit, supports separately at front and rear	Biodegradable oil
• Cab elevation	Hydraulic add-on kit, switch supports axially separately	Refueling pump
Joystick steering	Proportional control of supports by slide in joystick	
• 270° camera system	 Automatically controlled and monitored electric central lubrication system for uppercarriage and arm equipment 	Other additional equipment: See price list
LED working lights	Premium Driver seat (Actimo Evolution)	Special options: upon request

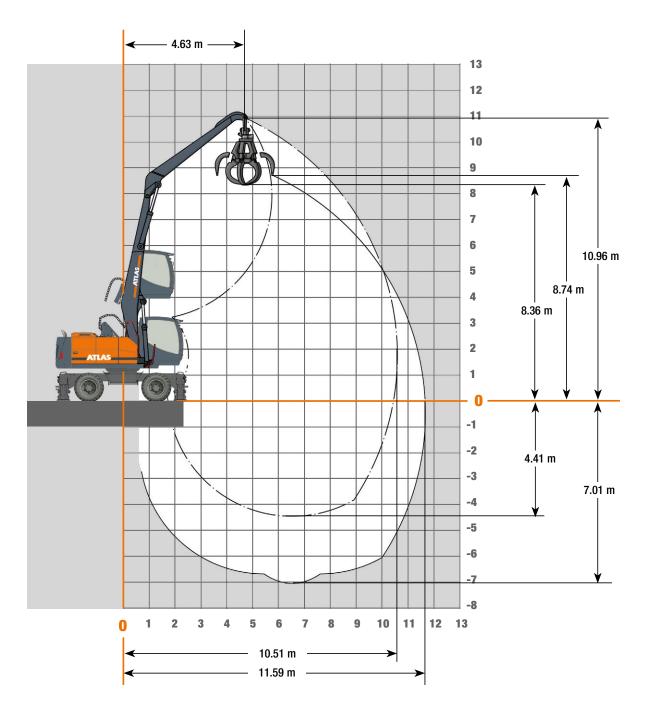
FILL CAPACITIES		
• Fuel tank382 litres	• Engine oil20 litres	Hydraulic system400 litres
Cooling system	Hydraulic tank	Ad Blue® 50 litres

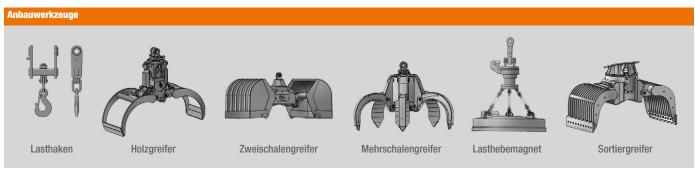
OPERATING WEIGHTS				
	MONOBLOCK BOOM 6.20 m (C24.5i)	MONOBLOCK BOOM 6.20 m (C24.5i)	MONOBLOCK BOOM 6.80 m (C24.6i)	ADJUSTABLE BOOM Base arm 1.95 m (C21.41) Boom 3.83 m (C21.461)
	Stick 4.80 m (D21.15i)	Stick 4.80 m (D21.15is)	Stick 5.30 m (D21.16i)	Stick 2.65 m (D21.33)
Support dozer blade				
SDB / outriggers	25.2 t	25.2 t	25.6 t	25.7 t
4 support outriggers	25.4 t	25.4 t	25.8 t	25.9 t

Operating weight with driver, solid rubber tyres, completely filled implement and 1.6 t for attachments and 1.4 t for lift-cab (option)

ATTACHMENTS		
Clamshell grab	Load hook	Log grab
Orange peel grab	Load lifting magnet	Sorting grab

Loading boom 6.20 m (C24.5i) and stick 4.80 m (D21.15i)



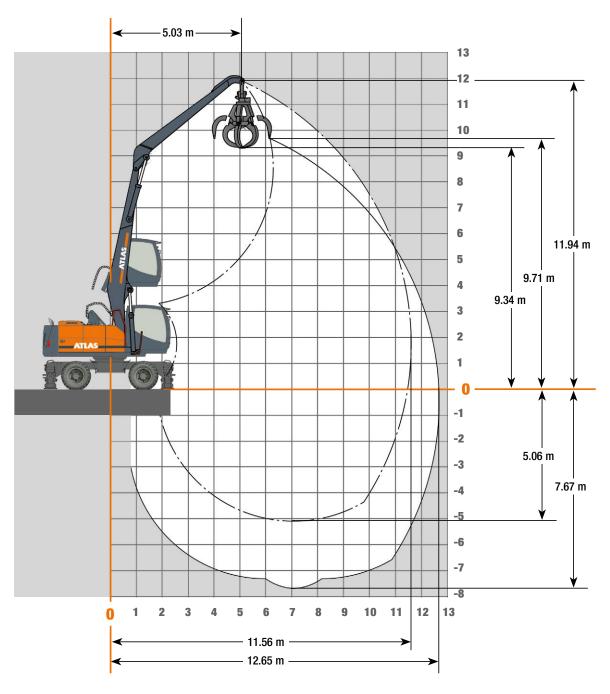


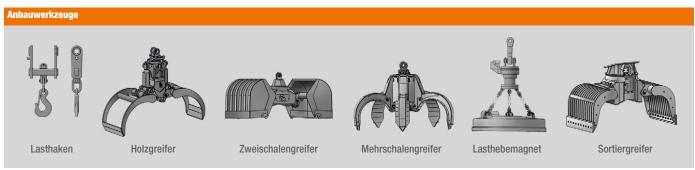
		3.) m	4.5 m		6.0 m		7.	7.5 m 9.0 m) m
HEIGHT		P	[-]	P		P		P	<u></u>	P	
		FRONT	LATERAL	FRONT	LATERAL	FRONT	LATERAL	FRONT	LATERAL	FRONT	LATERA
0.0	Outriggers lowered					6.2*	6.2*	5.4*	5.4*		
9.0 m	Outriggers raised					5.7	4.7	3.9	3.3		
	Outriggers lowered					6.1*	6.1*	5.4*	5.4*	4.7*	4.2
7.5 m	Outriggers raised					5.7	4.7	4.0	3.3	3.0	2.4
	Outriggers lowered					6.3*	6.3*	5.4*	5.4*	4.7*	4.2
6.0 m	Outriggers raised					5.6	4.6	4.0	3.3	3.0	2.4
	Outriggers lowered			8.4*	8.4*	6.7*	6.7*	5.6*	5.5	4.8*	4.2
4.5 m	Outriggers raised			8.4*	6.9	5.4	4.4	3.9	3.2	2.9	2.4
	Outriggers lowered	14.7*	14.7*	9.6*	9.6*	7.2*	7.2*	5.8*	5.4	4.8*	4.1
3.0 m	Outriggers raised	14.7*	11.8	7.9	6.3	5.2	4.2	3.7	3.0	2.8	2.3
	Outriggers lowered	2.8*	2.8*	10.4*	10.4*	7.5*	7.3	5.8*	5.2	4.7*	4.0
1.5 m	Outriggers raised	2.8*	2.8*	7.3	5.8	4.9	3.9	3.6	2.9	2.8	2.3
	Outriggers lowered			10.0*	10.0*	7.3*	7.0	5.6*	5.1	4.4*	3.9
0 m	Outriggers raised			6.9	5.4	4.7	3.7	3.5	2.8	2.7	2.2
	Outriggers lowered			8.6*	8.6*	6.6*	6.6*	5.0*	5.0	3.8*	3.8*
· 1.5 m	Outriggers raised			6.8	5.3	4.6	3.6	3.4	2.7	2.7	2.1
	Outriggers lowered			6.5*	6.5*	5.2*	5.2*	4.0*	4.0*	2.8*	2.8*
· 3.0 m	Outriggers raised			6.5*	5.3	4.5	3.6	3.4	2.7	2.7	2.2

The specified max. loading capacities in tonnes include a stability of 25% or are calculated at 87% of the hydraulic lifting power, as per ISO10567.

These values are applicable at the tip of the arm (without Bucket tipping cylinder, system of redirect levers) with optimum positioning of the corresponding arm system and with the pressure switched on. Weights of attached load carrying accessories (grab, magnet, load hook, etc.) are not included with the load carrying values.* Value limited due to hydraulics.

Loading boom 6.80 m (C24.6i) and Stick 5.30 m (D21.16i)

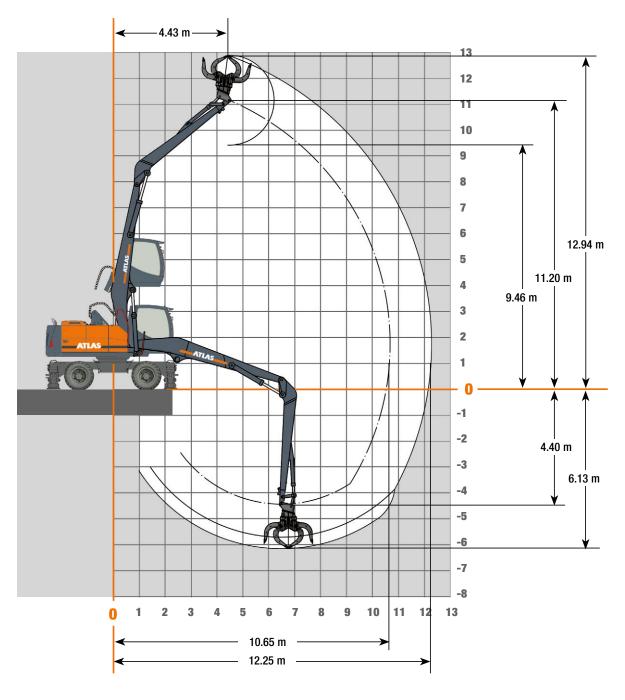


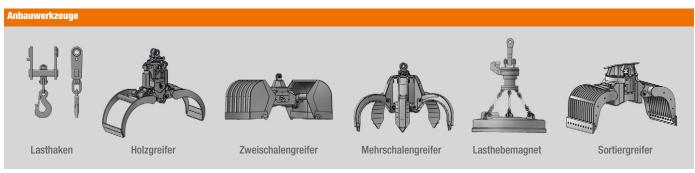


		3.0 m		4.	4.5 m		6.0 m 7.5 m 9.0 m		9.0 m		10.	5 m	
HEIGHT		Ą		Ą		Ą		A.		Ą		Ą.	
		FRONT	LATERAL	FRONT	LATERAL	FRONT	LATERAL	FRONT	LATERAL	FRONT	LATERAL	FRONT	LATERA
12.0 m	Outriggers lowered												
12.0 111	Outriggers raised												
10.5 m	Outriggers lowered					5.9*	5.9*						
10.5 111	Outriggers raised					5.7	4.7						
0.0	Outriggers lowered							5.0*	5.0*				
9.0 m	Outriggers raised							4.0	3.3				
	Outriggers lowered							5.0*	5.0*	4.4*	4.3		
7.5 m	Outriggers raised							4.0	3.3	3.0	2.5		
	Outriggers lowered					6.0*	6.0*	5.2*	5.2*	4.5*	4.2	3.9*	3.3
6.0 m	Outriggers raised					5.6	4.6	4.0	3.3	3.0	2.4	2.3	1.9
	Outriggers lowered			8.2*	8.2*	6.5*	6.5*	5.4*	5.4*	4.6*	4.2	3,9*	3.3
4.5 m	Outriggers raised			8.2*	6.9	5.4	4.4	3.8	3.2	2.9	2.4	2.3	1.8
	Outriggers lowered	14.7*	14.7*	9.4*	9.4*	7.0*	7.0*	5.6*	5.3	4.6*	4.0	3.9*	3.2
3.0 m	Outriggers raised	14.7*	11.6	7.9	6.3	5.1	4.1	3.7	3.0	2.8	2.3	2.2	1.8
	Outriggers lowered			10.1*	10.1*	7.3*	7.2	5.7*	5.1	4.6*	3.9	3.8*	3.2
1.5 m	Outriggers raised			7.2	5.6	4.8	3.8	3.5	2.8	2.7	2.2	2.2	1.7
	Outriggers lowered			9.8*	9.8*	7.2*	6.9	5.6*	5.0	4.4*	3.9	3.5*	3.1
0 m	Outriggers raised			6.7	5.2	4.5	3.6	3.4	2.7	2.6	2.0	2.1	1.7
	Outriggers lowered			8.5*	8.5*	6.5*	6.5*	5.0*	4.9	4.0*	3.9		
- 1.5 m	Outriggers raised			6.6	5.0	4.4	3.5	3.3	2.6	2.6	2.0		
	Outriggers lowered			6.6*	6.6*	5.4*	5.4*	4.2*	4.2*	3.2*	3.2*		
- 3.0 m	Outriggers raised			6.5	5.0	4.3	3.4	3.2	2.6	2.5	2.0		
	Outringoro louvered					2.7*	2.7*	2.0*	2.0*	2.0*	2.0*		
- 4.5 m	Outriggers lowered Outriggers raised					3.7* 3.7*	3.7* 3.4	3.0* 3.0*	3.0* 2.6	2.0* 2.0*	2.0*		

The specified max. loading capacities in tonnes include a stability of 25% or are calculated at 87% of the hydraulic lifting power. as per ISO10567. These values are applicable at the tip of the arm (without Bucket tipping cylinder, system of redirect levers) with optimum positioning of the corresponding arm system and with the pressure switched on. Weights of attached load carrying accessories (grab, magnet, load hook, etc.) are not included with the load carrying values. * Value limited due to hydraulics.

Loading boom 6.20 m (C24.5i) and Stick 4.80 m (D21.15is)

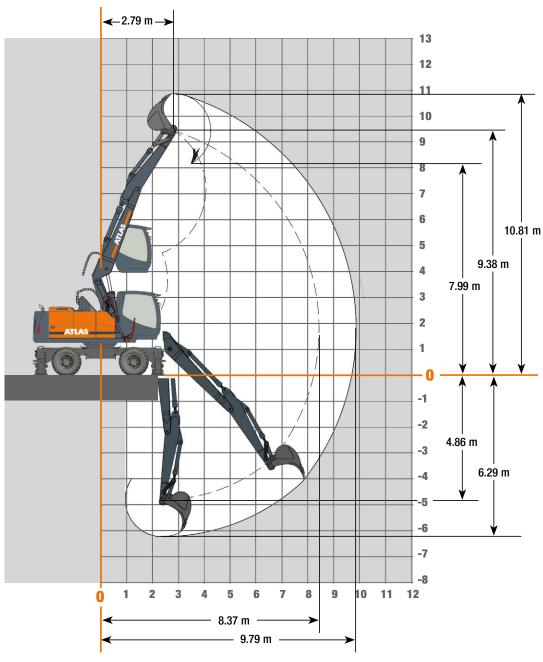


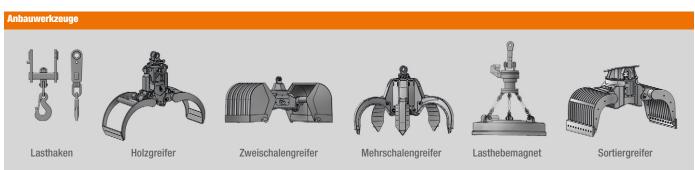


		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m	
HEIGHT		P	[-			P	6	A			
		FRONT	LATERAL	FRONT	LATERAL	FRONT	LATERAL	FRONT	LATERAL	FRONT	LATER
12.0 m	Outriggers lowered										
12.0 111	Outriggers raised										
40.5	Outriggers lowered										
10.5 m	Outriggers raised										
	Outriggers lowered					6.2*	6.2*	5.4*	5.4*		
9.0 m	Outriggers raised					5.6	4.7	3.9	3.3		
	Outriggers lowered					6.1*	6.1*	5.4*	5.4*	4.7*	4.2
7.5 m	Outriggers raised					5.7	4.7	4.0	3.3	3.0	2.4
	Outriggers lowered					6.3*	6.3*	5.4*	5.4*	4.7*	4.2
6.0 m	Outriggers raised					5.6	4.6	4.0	3.3	3.0	2.4
	Outriggers lowered			8.4*	8.4*	6.7*	6.7*	5.6*	5.5	4.8*	4.2
4.5 m	Outriggers raised			8.4*	6.9	5.4	4.4	3.9	3.1	2.4	3.0
	Outriggers lowered	14.8*	14.8*	9.6*	9.6*	7.2*	7.2*	5.8*	5.4	4.8*	4.1
3.0 m	Outriggers raised	14.8*	11.8	7.9	6.4	5.2	4.2	3.7	3.0	2.8	2.3
	Outriggers lowered	2.9*	2.9*	10.4*	10.4*	7.5*	7.3	5.9*	5.2	4.7*	4.0
1.5 m	Outriggers raised	2.9*	2.9*	7.4	5.8	4.9	3.9	3.6	2.9	2.8	2.2
0	Outriggers lowered			10.0*	10.0*	7.4*	7.1	5.7*	5.1	4.4*	4.0
0 m	Outriggers raised			7.0	5.5	4.7	3.7	3.5	2.8	2.7	2.2
1 5	Outriggers lowered			8.7*	8.7*	6.6*	6.6*	5.1*	5.0	3.8*	3.8
1.5 m	Outriggers raised			6.8	5.3	4.6	3.7	3.4	2.8	2.1	2.7
2.0	Outriggers lowered			6.5*	6.5*	5.2*	5.2*	4.0*	4.0*	2.8*	2.83
· 3.0 m	Outriggers raised			6.5*	5.3	4.6	3.6	3.4	2.7	2.7	2.2
	Outriggers lowered										
- 4.5 m	Outriggers raised										

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Adjustable boom: Base arm 1.95 m (C21.41) and boom 3.83 m (C21.461) with stick 2.65 m (D21.33)



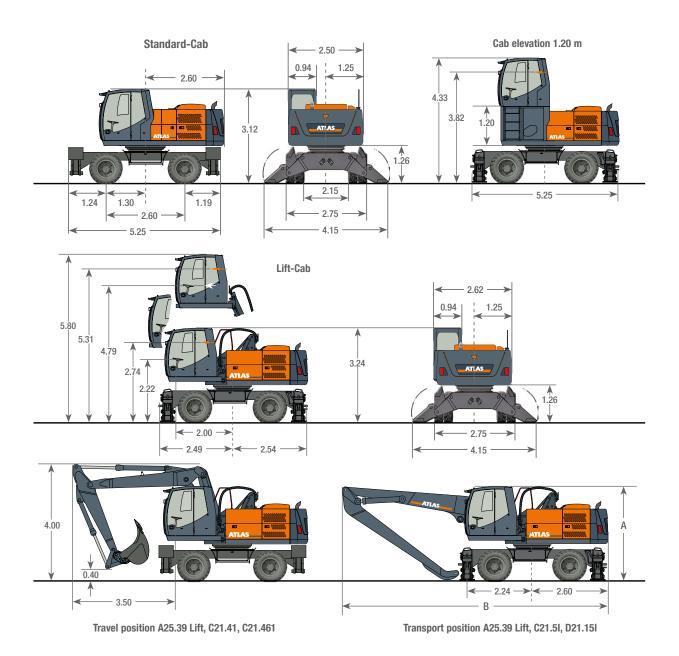


Height	U	Indercarri	age type	3.0 m	3.5 m	4.0 m	4.5 m	5.0 m	5.5 m	6.0 m	6.5 m	7.0 m	7.5 m	8.0 n
			1											
+ 9.0 m	FRONT		SDB supported		6869									
			SDB raised		6869									
	LATERAL		SDB supported		6869									
	ENTERNE		SDB raised		6869									
	FRONT		SDB supported				5413	5420	5470	4090				
+7.5 m	FRUNT		SDB raised				5413	5420	5470	4090				
+7.3 III	LATERAL		SDB supported				5413	5420	5470	4090				
	LATERAL	71	SDB raised				5413	5420	5187*	4090				
	EDONE		SDB supported			5733	5587	5461	5358	5281	5240	4972		
+6.0 m	FRONT		SDB raised			5733	5587	5461	5358	5281	4911*	4332*		
	LATERAL		SDB supported			5733	5587	5461	5358	5281	5240	4972		
	LATERAL		SDB raised			5733	5587	5461	5201*	4597*	4066*	3558*		
+ 4.5 m			SDB supported	8632	7957	7233	6695	6281	5956	5698	5494	5337	5231	
	FRONT		SDB raised	8632	7957	7233	6695	6281	5956	5441*	4871*	4402	3900*	
			SDB supported	8632	7957	7233	6695	6281	5956	5698	5494	5337	5231	
	LATERAL	-	SDB raised	8632	7957	7233	6695	5817*	5111*	4545*	4086*	3633*	3203*	
			SDB supported	8540	9515	9611	8403	7547	6910	6420	6034	5725	5466	526
	FRONT		SDB raised	8540	9515	9358*	7918*	6839	6009	5354*	4818*	4383	3894*	347
+ 3.0 m		<u>(m)</u>	SDB supported	8540	9515	9611	8403	7547	6910	6420	6034	5725	5462*	4970
	LATERAL		SDB raised	8540	9188*	7637	6525*	5674*	5013*	4480*	4050*	3623*	3201*	2839
		_	SDB supported	11468	11439	11078	9854	8685	7804	7120	6577	6135	5753	544
	FRONT		SDB raised	11468	11221	9210*	7799*	6751*	5949*	5313	4809*	4309*	3827*	3422
+ 1.5 m		_	SDB supported	11468	11439	11078	9854	8685	7804	7120	6577	5956*	5449	4918
	LATERAL		SDB raised	11303	9028*	7510*	6422*	5605*	4965*	4458*	4032*	3544*	3137*	2792
		_	SDB supported	14157	13121	11822	10349	9186	8252	7495	6870	6343	5894	547
	FRONT		SDB supported SDB raised	14157	11290*	9238*	7816*	6776*	5987	5388*	4714*	4171*	3721*	3348
+ 0 m			SDB supported	14157	13121	11822	10349	9186	8244	7328*	6589	6004	5372*	4843
	LATERAL		SDB raised	11393*	9085*	7547*	6455*	5643*	5004*	4419*	3864*	3408*	3032*	2718
			SDB supported			11965								
-1.5 m	FRONT		SDB supported SDB raised	16697 14769*	13988 11528*	9438*	10450 7930*	9276 6818*	8341 5894*	7583 5132*	6977 4529*	6423 4035*	5616 3642*	
			SDB raised SDB supported	16697	13988	11965	10450	9276	8329*	7461	6613*	5876*	5290*	
	LATERAL		SDB supported SDB raised	11332*	9000*	7448*	6336*	5495*	4781*	4169*	3672*	3271*	2952*	
-3.0 m												0271	2002	
	FRONT		SDB supported	17200	14332	12312	10832	9585	8455	7325	6054			
			SDB raised	14886*	11470*	9266*	7683*	6519*	5656*	4978*	4442*			
	LATERAL		SDB supported SDB raised	17200 11188*	14332 8870*	12312 7291*	10832 6106*	9585 5214*	8455 4545*	7325 4013*	6054 3590*			
					8870	7291	0100	5214"	4040	4013	3590			
-4.5 m	FRONT		SDB supported	15161										
	1110111		SDB raised	14748*										
	LATERAL		SDB supported	15161										
	LAILIML	-1	SDB raised	11068*										

The specified max. loading capacities in kilogrammes (kg) include a stability of 25% or are calculated at 87% of the hydraulic lifting power, as per ISO10567. These values are applicable at the tip of the arm with optimum positioning of the corresponding arm system. Weights of attached load carrying accessories (grab, magnet, load hook, etc.) are not included with the load carrying values. *Value limited due to excavator stability.

DIMENSIONS 250MH

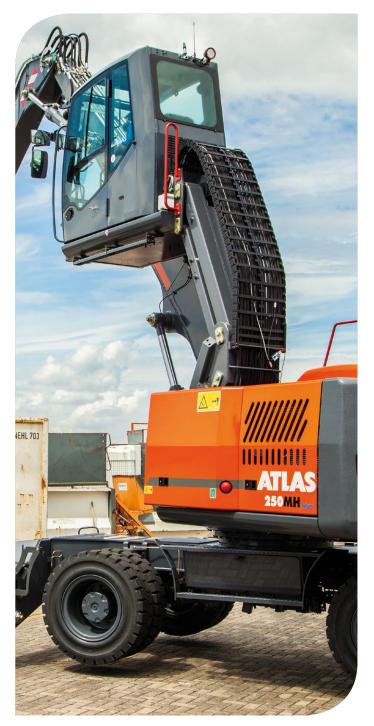
250MH Transport position



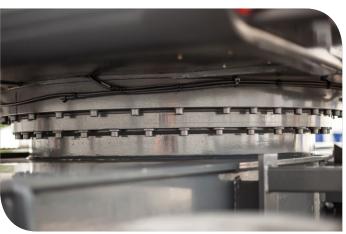
Α	TRANSPORT HEIGHT	В	TRANSPORT LENGTH
	Loading boom 6.20 m with Stick 4.80 m3.24 m		Loading boom 6.20 with Stick 4.80 m9.20 m
	Loading boom 6.80 m with Stick 5.30 m3.24 m		Loading boom 6.80 with Stick 5.30 m9.80 m
	Adjustable Boom 1.95 m / 3,83 m with stick 2.65 m3.24 m		Adjustable Boom 1.95 m / 3,83 m with stick 2.65 m9.00 m

Further cabin versions on demand.











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