



ATLAS

SINCE 1919

**FAST.
RELIABLE.
VERSATILE.**

-  28.2 - 31.9 t
-  129 kW (175 HP)
-  10.3 - 16.4 m



MATERIAL HANDLING MACHINE 300MH

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TECHNICAL SPECIFICATION 300MH

Technical specifications

ENGINE

Power according to ISO 9249.....129 kW (175 HP)	Cylinder capacity.....6700 cm ³	Air filter.....Dry air filter
RPM.....1900/min	Number of cylinders.....6	Battery.....2 x 12V/100Ah
Make.....CUMMINS / QSB 6.7 (T4 Final)	Borehole/lift.....101 / 126	Alternator.....24 V/100A
Design.....Turbocharger / intercooler	Cooling system.....Water-cooled	Starter.....24V/3.2kW

HYDRAULIC SYSTEM

• Load limit controlled high-performance piston pump	• Load-retaining and fine lowering valve in lifting circuit	• Max. oil flow.....380 l/min
• 7 standard consumer loads in one control block	• Pump flow control	• Max. operating pressure.....340 (370) bar
• Sensitive, proportional, independent control	• Grab and grab-rotating function	• Operating modes: 3 pre-programmed modes (Fine, Eco, Power)
• Primary and secondary protection against overload	• Pipe-break protection valves for lifting cylinders	• Proportional grab turning
• Suction valves for all work functions	• Up to 2 additional control circuits possible	

SWING ASSEMBLY

• Swing motor:	Axial piston motor with priority valve	• Max. swing speed11/min
• Swing gear:	Planetary transmission	• Swing torque63.2 kNm
• Swing brake:	Automatic multidisc brake	

TRACTION DRIVE AND BRAKES

• Variable displacement motor	• Driving direction pre-selection via switch in joystick	• Crawling speed1 km/h
• 2-gear transmission	• Maximum speed20 km/h	• Dual circuit brake systemMulti-disc
• Double-acting brake valve	• Terrain speed5 km/h	• Parking brakespring-loaded brake

UNDERCARRIAGE

• 56 t special excavator axles	• Steering axle with automatic oscillating axle blocking	• 8 tyres.....12.00 - 20
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FILL CAPACITIES

• Fuel tank.....382 Liter	• Engine oil.....20 Liter	• Hydraulics system.....400 Liter
• Cooling system.....42 Liter	• Hydraulic tank.....224 Liter	• AdBlue® tank.....18.9 Liter

DRIVER'S CAB

• Meets latest safety standards	CONTROL:	CLIMATE CONTROL:
• Extra large entry zone	• Ergonomic joysticks with proportional slide control	• Air conditioning with climatronic
• Spacious leg room	• Slim steering column, height and tilt adjustable	• Very good air distribution through optimally arranged nozzles
• Excellent circumferential visibility	• Indicators, controls and operating switches are clearly arranged	
• Preparation for radio installation with mute function		SOUND LEVELS:
	MONITORING:	• ISO6396 (L _{pA}) in driver's cab73 dB(A)
DRIVER'S SEAT:	• Operating data display screen	• 2000/14EG (L _{WA}) ambience level101 dB(A)
• Comfort seat with headrest	• Automatic system for monitoring, warning and storage of data	
• Arm rests and lumbar support		
• Seat adjustable separately from console		

WORKING EQUIPMENT 300MH

Working equipment

OPERATING WEIGHTS

	LOADING BOOM 6.60 m (C25.5i)	LOADING BOOM 8.00 m (C25.6i)
	Stick 5.00 m (D25.15i)	Stick 6.00 m (D25.16i)
4 outriggers	31.1 t	31.5 t

Operating weight with driver, solid rubber tyres, completely filled implement and 1.5 t for attachments and 1.4 t for lift-cab (option).

EQUIPMENT

BASIC DEVICE Atlas 300MH

- 300MH material handler with quadruple outrigger support and 2 lifting cylinders

STANDARD EQUIPMENT:

Engine:

- Automatic idle
- Diesel pre-filter
- Engine monitoring

- Slim steering column, height and tilt adjustable
- Ready for electric cooling box
- Different options for storage, compartment for documents
- Seat adjustable separately from console
- Heat-absorbing glass, tinted windows
- Automotive drive and cruise control
- Operating data screen display
- Bottle holder

Mono Booms:

- Loading boom 6.60 m (C25.5i)
- Loading boom 8.00 m (C25.6i)

Mono Sticks:

- Stick 5.00 m (D25.15i)
- Stick 6.00 m (D25.16i)

Hydraulics:

- Grab and grab-rotating function
- Accumulator for emergency lowering of the arm system
- Pipe break protection valves for lifting cylinders
- Max. load-limit control
- Cylinder end damping

Equipment:

- Combined lubricating points for swing bearing and arm equipment

New serial Equipment:

- Rear and side camera on right side

Cab:

- Air-conditioning
- Preparation for radio installation with mute function

Undercarriage:

- Wet disc brakes
- Tool box in the undercarriage

ADDITIONAL EQUIPMENT

Engine:

- Refueling pump
- Engine speed adjustment via potentiometer
- Auxiliary heating
- Cold start assistance

Equipment:

- Automatically controlled and monitored electric central lubrication system

Cab:

- Cab protection guard
- Beacon light

- Lift-Cab (elevation up to 2.7 m)

- Lift-Cab (elevation up to 2.5 m)

- Cab elevation 1.2 m/0.6 m

- LED working lights

Hydraulics:

- Hydr. adaptor kit, switch supports pairwise in front and back
- Hydr. adaptor kit, switch supports individually
- Bio oil

- Heated driver's seat

- GPS/GSM telemetric system for monitoring of operating data, consumption, position

- Radio CD/MP3, front AUX in, USB

- Thermoelectric cooling box

Undercarriage:

- Solid rubber tyres

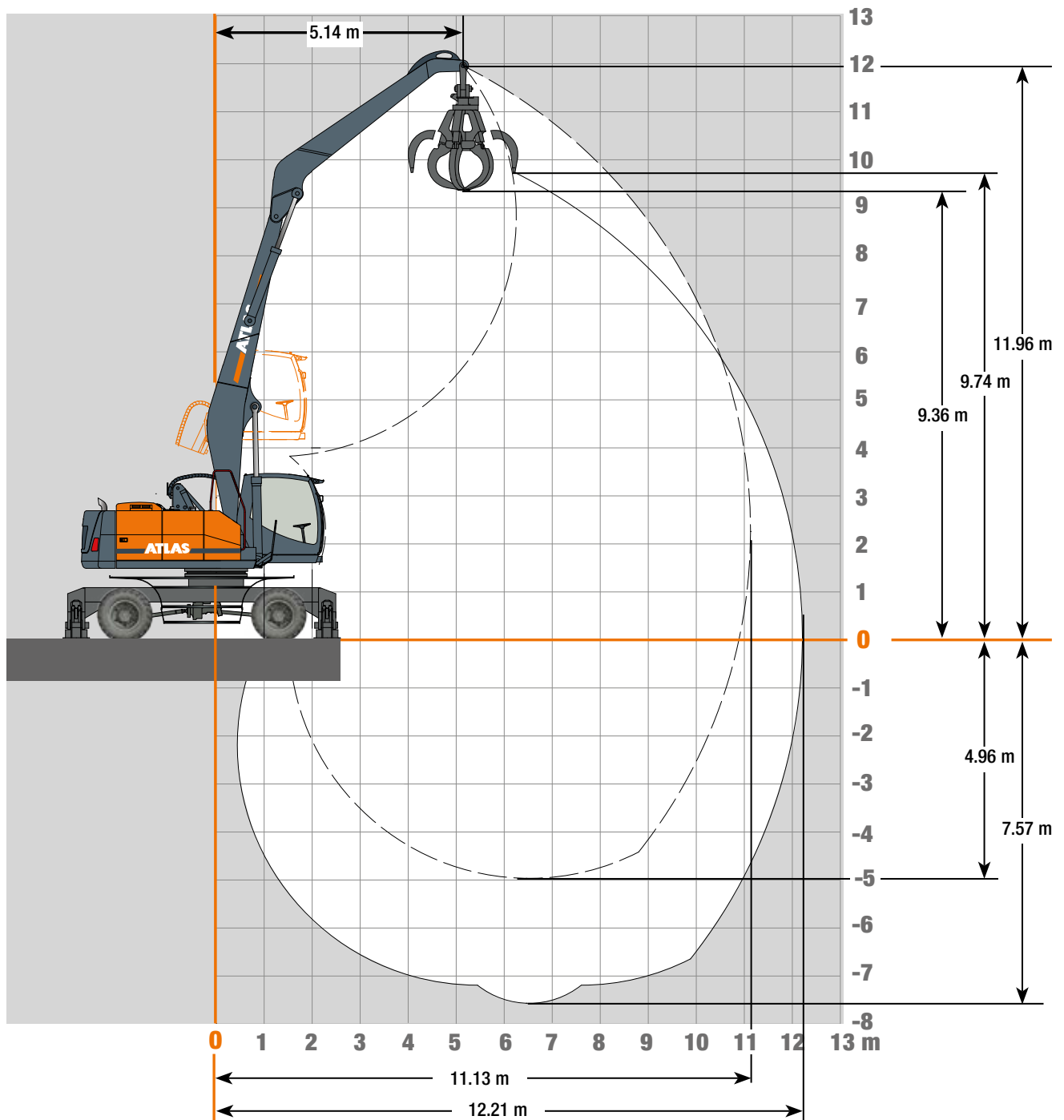
Other special equipment: see price list

ATTACHMENTS

- Clamshell grab
- Load hook
- Log grab
- Orange peel grab
- Load lifting magnet

WORKING RANGES 300MH

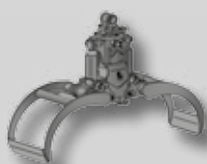
Working ranges Loading boom 6.60 m (C25.5i) and stick 5.00 m (D25.15i)



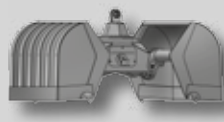
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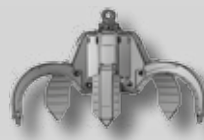
Load hook



Log grab



Clamshell grab



Orange peel grab



Load lifting magnet

LIFTING CAPACITIES 300MH

Lifting capacities Loading boom 6.60 m (C25.5i) and stick 5.00 m (D25.15i)

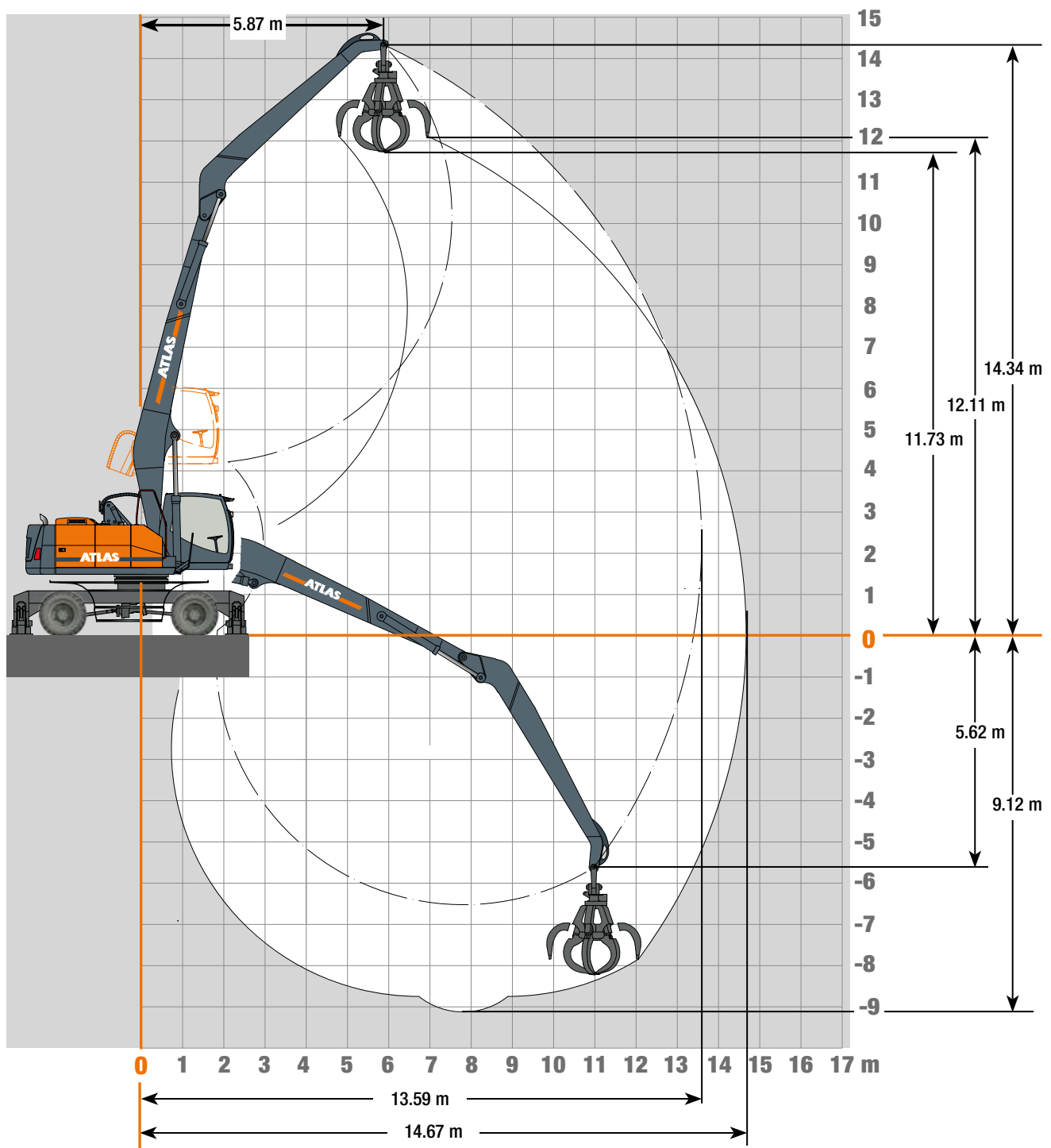
Lifting Capacities Loading boom 6.60 m (C25.5i) with stick 5.00 m (D25.15i). Max. reach 12.29 m

HEIGHT	Undercarriage position		3.5 m	4.5 m	5.5 m	6.5 m	7.5 m	8.5 m	9.5 m	11.0 m
+12.0 m	FRONT 	outriggers down			10194					
		outriggers up			10194					
	LATERAL 	outriggers down			10194					
		outriggers up			7222*					
+10.5 m	FRONT 	outriggers down				8571	8210			
		outriggers up				8571	7272*			
	LATERAL 	outriggers down				8571	8210			
		outriggers up				5762*	4516*			
+ 9.0 m	FRONT 	outriggers down				8259	7852	7512		
		outriggers up				8259	7402*	5982*		
	LATERAL 	outriggers down				8259	7852	7512		
		outriggers up				5857*	4631*	3729*		
+ 7.5 m	FRONT 	outriggers down				8407	7908	7472	7085	
		outriggers up				8407	7387*	6001*	4972*	
	LATERAL 	outriggers down				8407	7908	7472	6403*	
		outriggers up				5819*	4618*	3746*	3077*	
+ 6.0 m	FRONT 	outriggers down			9786	8944	8251	7666	7156	6088*
		outriggers up			9786	8944	7270*	5931*	4944*	4179*
	LATERAL 	outriggers down			9786	8944	8251	7644*	6374*	5403*
		outriggers up			7363*	5664*	4514*	3683*	3052*	2549*
+ 4.5 m	FRONT 	outriggers down		12891	11075	9772	8782	7992	7091*	6049*
		outriggers up		12891	11075	8902*	7074*	5802*	4865*	4142*
	LATERAL 	outriggers down		12891	11075	9772	8782	7509*	6290*	5364*
		outriggers up		9507*	6976*	5407*	4341*	3567*	2979*	2515*
+ 3.0 m	FRONT 	outriggers down	20179	15349	12533	10678	9348	8297*	6979*	5982*
		outriggers up	20179	15349	11157*	8533*	6834*	5642*	4760*	4079*
	LATERAL 	outriggers down	20179	15349	12533	10678	8934*	7340*	6181*	5299*
		outriggers up	12638	8667*	6477*	5088*	4127*	3423*	2884*	2457*
+ 1.5 m	FRONT 	outriggers down	3320	17007	13584	11338	9746	8125*	6866*	5920*
		outriggers up	3320	14772*	10590*	8176*	6598*	5483*	4654*	4020*
	LATERAL 	outriggers down	3320	17007	13584	10880*	8682*	7172*	6070*	5237*
		outriggers up	3320	7898*	6005*	4779*	3918*	3279*	2787*	2403*
+ 0 m	FRONT 	outriggers down		10337	13757	11457	9667*	7996*	6790*	5882*
		outriggers up		10337	10205*	7910*	6416*	5364*	4583*	3985*
	LATERAL 	outriggers down		10337	13757	10593*	8488*	7045*	5995*	5200*
		outriggers up		7465*	5684*	4549*	3757*	3172*	2722*	2370*
- 1.5 m	FRONT 	outriggers down		10908	12961	10894	9283	7938*	6761*	5570
		outriggers up		10908	10066*	7798*	6335*	5311*	4556*	3987*
	LATERAL 	outriggers down		10908	12961	10472*	8401*	6989*	5967*	5203*
		outriggers up		7352*	5568*	4453*	3685*	3124*	2698*	2372*
- 3.0 m	FRONT 	outriggers down		13163	11176	9516	8099	6823	5529	
		outriggers up		13163	10082*	7799*	6336*	5323*	4588*	
	LATERAL 	outriggers down		13163	11176	9516	8099	6823	5529	
		outriggers up		7408*	5582*	4453*	3687*	3135*	2727*	
- 4.5 m	FRONT 	outriggers down		9505	8344	7167	5979	4669		
		outriggers up		9505	8344	7167	5979	4669		
	LATERAL 	outriggers down		9505	8344	7167	5979	4669		
		outriggers up		7586*	5701*	4543*	3768*	3223*		

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.

WORKING RANGES 300MH

Working ranges Loading boom 8.00 m (C25.6i) and stick 6.00 m (D25.16i)



Attachments



LIFTING CAPACITIES 300MH

Lifting capacities Loading boom 8.00 m (C25.6i) and stick 6.00 m (D25.16i)

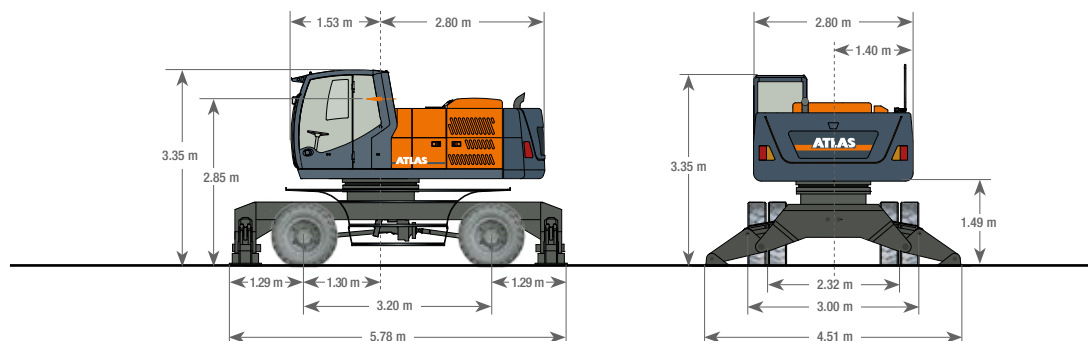
Lifting Capacities Loading Boom 8.00 m (C25.6i) with stick 6.00 m (D25.16i). Max reach 14.67 m												
HEIGHT	Undercarriage position		4,5 m	5,5 m	6,5 m	7,5 m	8,5 m	9,5 m	10,5 m	11,5 m	12,5 m	13,5 m
+13,5 m	FRONT		outriggers down			7412						
			outriggers up			7384*						
	LATERAL		outriggers down			7412						
			outriggers up			4581*						
+12,0 m	FRONT		outriggers down			6887	6553	6301				
			outriggers up			6887	6158*	5030*				
	LATERAL		outriggers down			6887	6553	6301				
			outriggers up			4816*	3859*	3105*				
+10,5 m	FRONT		outriggers down				6367	6074	5825			
			outriggers up				6254*	5156*	4297*			
	LATERAL		outriggers down				6367	6074	5539*			
			outriggers up				3945*	3219*	2635*			
+9,0 m	FRONT		outriggers down			6782	6396	6059	5761	5357*		
			outriggers up			6782	6244*	5167*	4337*	3669*		
	LATERAL		outriggers down			6782	6396	6059	5580*	4752*		
			outriggers up			4868*	3936*	3229*	2671*	2211*		
+7,5 m	FRONT		outriggers down			7070	6595	6185	5825	5355*	4634*	
			outriggers up			7070	6149*	5104*	4304*	3667*	3140*	
	LATERAL		outriggers down			7070	6595	6185	5545*	4751*	4099*	
			outriggers up			4749*	3850*	3172*	2641*	2210*	1844*	
+6,0 m	FRONT		outriggers down		8309	7547	6927	6410	5967	5302*	4616*	
			outriggers up		8309	7338*	5980*	4984*	4221*	3617*	3123*	
	LATERAL		outriggers down		8309	7547	6927	6410	5460*	4699*	4082*	
			outriggers up		5712*	4540*	3698*	3062*	2565*	2163*	1829*	
+4,5 m	FRONT		outriggers down	11039	10604	9188	8143	7335	6686	6029*	5219*	4566*
			outriggers up	11039	10604	8833*	7017*	5753*	4821*	4106*	3538*	2685*
	LATERAL		outriggers down	11039	10604	9188	8143	7335	6259*	5339*	4617*	4032*
			outriggers up	9327*	6847*	5306*	4255*	3493*	2914*	2458*	2090*	1784*
+ 3,0 m	FRONT		outriggers down	14900	11973	10073	8733	7732	6870*	5889*	5121*	4501*
			outriggers up	14900	10799*	8290*	6652*	5497*	4638*	3974*	3445*	3013*
	LATERAL		outriggers down	14900	11973	10073	8733	7203*	6067*	5202*	4520*	3968*
			outriggers up	8125*	6129*	4837*	3932*	3262*	2746*	2337*	2003*	1726*
+1,5 m	FRONT		outriggers down	4762	12878	10694	9155	7899*	6679*	5752*	5024*	4439*
			outriggers up	4762	10025*	7786*	6306*	5251*	4461*	3845*	3353*	2954*
	LATERAL		outriggers down	4762	12878	10483*	8390*	6943*	5881*	5068*	4425*	3907*
			outriggers up	4762	5483*	4401*	3625*	3040*	2584*	2218*	1918*	1670*
+0 m	FRONT		outriggers down	3994	9851	10842	9267	7681*	6520*	5639*	4949*	4395*
			outriggers up	3994	9511*	7413*	6033*	5050*	4312*	3739*	3282*	2912*
	LATERAL		outriggers down	3994	9851	10080*	8100*	6731*	5725*	4956*	4351*	3863*
			outriggers up	3994	5055*	4079*	3384*	2859*	2448*	2119*	1852*	1631*
-1,5 m	FRONT		outriggers down	4996	9114	10472	9003	7549*	6424*	5572*	4906*	4375*
			outriggers up	4996	9114	7219*	5875*	4928*	4222*	3676*	3242*	2893*
	LATERAL		outriggers down	4996	9114	9870*	7931*	6602*	5631*	4891*	4309*	3844*
			outriggers up	4996	4876*	3911*	3243*	2749*	2366*	2061*	1814*	1614*
-3,0 m	FRONT		outriggers down	6520	10081	9575	8314	7262	6360	5551*	4772	3884
			outriggers up	6520	9260*	7162*	5818*	4880*	4187*	3655*	3238*	2913*
	LATERAL		outriggers down	6520	10081	9575	7870*	6551*	5594*	4870*	4306*	3865*
			outriggers up	6445*	4846*	3862*	3193*	2705*	2334*	2043*	1811*	1632*
-4,5 m	FRONT		outriggers down	8286	9255	8146	7151	6255	5425	4611	3705	
			outriggers up	8286	9255	7208*	5844*	4900*	4209*	3686*	3287*	
	LATERAL		outriggers down	8286	9255	8146	7151	6255	5425	4611	3705	
			outriggers up	6583*	4920*	3901*	3216*	2724*	2354*	2071*	1856*	
-6,0 m	FRONT		outriggers down		6792	6133	5430	4701	3923			
			outriggers up		6792	6133	5430	4701	3923			
	LATERAL		outriggers down		6792	6133	5430	4701	3923			
			outriggers up		5078*	4018*	3309*	2805*	2436*			

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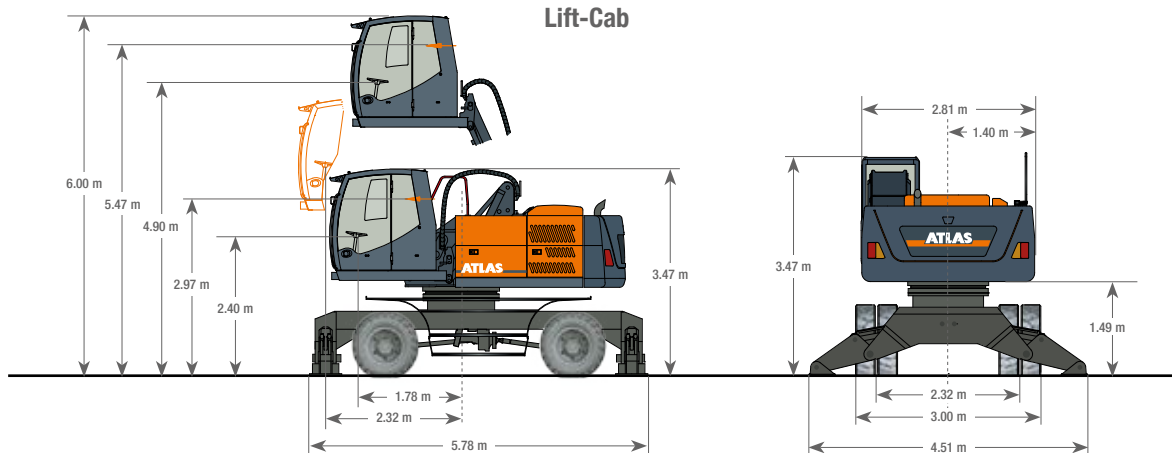
DIMENSION 300MH

Dimensions

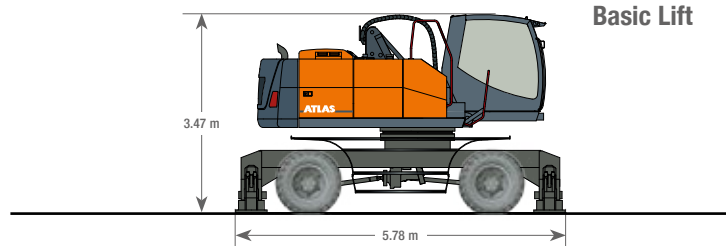
Standard-Cab



Lift-Cab

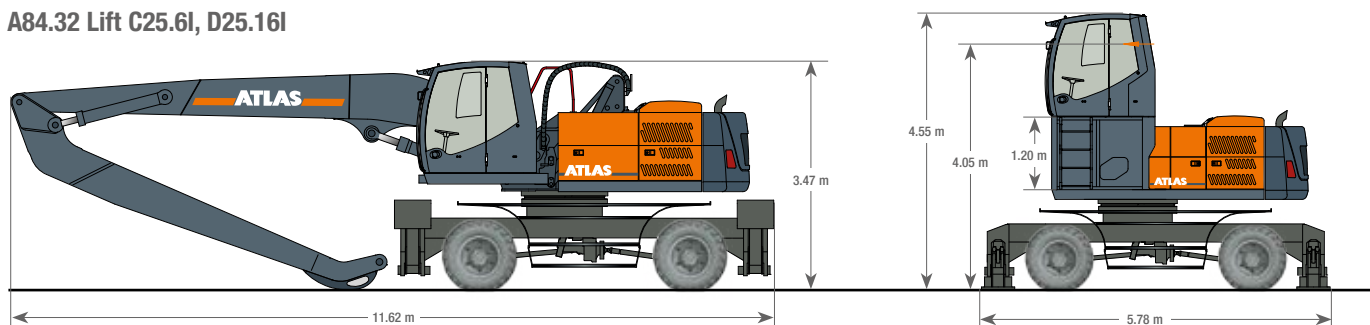


Basic Lift



Cab elevation 1,20 m

A84.32 Lift C25.6l, D25.16l



Further cabin versions on demand.



300MH-EN (1) Effective date: 12/2019. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Atlas makes no other warranty, express or implied. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Atlas makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Atlas GmbH and/or its subsidiaries. All rights are reserved. Atlas® is a registered trademark of Atlas GmbH. Copyright © 2019 Atlas GmbH.

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