


100
ATLAS 1919 - 2019

ATLAS
SINCE 1919

 28.5 - 30.8 t

 129 kW (175 HP)

EU Stage V

 10.3 - 16.4 m

**STABLE.
STRONG.
STEADY.**



**MATERIAL HANDLING
MACHINE 270MH**

WWW.ATLASGMBH.COM

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.



Atlas manufactures a wide range of equipment for the construction, railroad, material handling and infrastructure industries. You will find more information on Atlas under www.atlasgmbh.com.

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

270MH





**EXTENSIVE DEALER NETWORK
EXCELLENT SERVICE
CUSTOMER FOCUSED**

ATLAS - The new excavator cabin



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

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



Move safely: Standard lateral-
and rear view cameras



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



Best view – especially to the right



ATLAS SINCE 1939 - The new excavator cabin

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



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



If thirsty: Close at hand and quickly released



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



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



TECHNICAL SPECIFICATION 270MH

ENGINE

Power rating.....129 kW (175 HP)	Bore / cylinder stroke 101 / 126	STANDARD BASIC EQUIPMENT:
RPM 1800/min	Cooling system Water-cooled	• Automatic idling system / Engine stop
Model.....Cummins / QSB 6.7 EU Stage V	Air filter..... Dry air filter	• Diesel pre-filter
Design.....Turbocharger / intercooler	Battery 2 x 12 V / 100 Ah	• Engine monitoring
Cylinder capacity 6700 cm ³	Generator 24 V / 70 A	
Number of cylinders 6	Starter..... 24 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 flow 380 l/min	F3 (Power)
• Primary and secondary protection against overload	• Max. operating pressure 320 (350) 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 torque 63.2 kNm
• Planetary transmission	• Two, two-stage valves	• Max. swing speed. 11/min

TRACTION DRIVE AND BRAKES

• Variable displacement motor	• Automotive traveling and cruise control:	• Tractive force..... 132.8 kN
• Power-shift transmission	• Max. speed 20 km/h	• Gradeability 55 %
• Double-acting brake valve	• Off-road speed 5 km/h	• Dual-circuit brake system Multi-disc
• Travel direction pre-selection via switch in joystick	• Crawling speed..... 1 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 Super elastic (up to 16 km/h)

WORKING EQUIPMENT 270MH

DRIVER'S CAB

<ul style="list-style-type: none"> • Meets latest safety standards (ROPS) • Extra large entry zone • Spacious leg room • Radio preparation with mute function • Ready for electric cooling box • Different options for storage, compartment for documents • Heat-absorbing glass, tinted windows • Excellent all-way visibility • Bottle holder 	DRIVER'S SEAT: <ul style="list-style-type: none"> • Comfort seat with headrest • Arm rests and lumbar support • Seat adjustable separately from console • Air suspension • Heated • Horizontal and vertical suspension • Lumbar support 	MONITORING: <ul style="list-style-type: none"> • Operating data display screen • Automatic system for monitoring, warning and storage of data • Rear view security camera • Right side camera
	CONTROL: <ul style="list-style-type: none"> • Ergonomic joysticks with proportional slide control • Slim steering column, height and tilt adjustable • Indicators, controls and operating switches are clearly arranged • Swing axle lock in the left joystick 	CLIMATE CONTROL: <ul style="list-style-type: none"> • Automatic climate control • Excellent air distribution through optimally arranged nozzles • Refrigerant R134a
		SOUND LEVELS: <ul style="list-style-type: none"> • ISO 6396 (L_pA) in driver's cab 71 dB(A) • 2000/14 EG (L_wA) ambience level 101 dB(A)

ADDITIONAL EQUIPMENT

<ul style="list-style-type: none"> • Beacon light • Gear protection • Cabin Sliding door • Cab protection guard • Cab elevation • Joystick steering • 270° camera system • LED working lights 	<ul style="list-style-type: none"> • Alarm-signal while driving • Auxiliary heating with water circuit • Automatic working brake • Switch hydraulic attachment kit, supports separately at front and rear • Hydraulic add-on kit, switch supports axially separately • Proportional control of supports by slide in joystick • Automatically controlled and monitored electric central lubrication system for uppercarriage and arm equipment • Premium Driver seat (Actimo Evolution) 	<ul style="list-style-type: none"> • Electric cooling box • Radio with USB • GPS/GSM telemetric system for monitoring of operating data, consumption, position • Biodegradable oil • Refueling pump
		Other additional equipment: See price list Special options: upon request

FILL CAPACITIES

• Fuel tank382 litres	• Engine oil.....20 litres	• Hydraulic system.....400 litres
• Cooling system.....42 litres	• Hydraulic tank224 litres	• Ad Blue®50 litres

OPERATING WEIGHTS

	MONOBLOCK BOOM 6.60 m (C25.5i) Stick 5.00 m (D25.15i)	MONOBLOCK BOOM 8.00 m (C25.6i) Stick 6.00 m (D25.16i)	MONOBLOCK BOOM 8.00 m (C25.6i) Stick 6.00 m (D25.16is)
Support dozer blade			
SDB / outriggers			
4 support outriggers	29.9 t	30.4 t	30.8 t

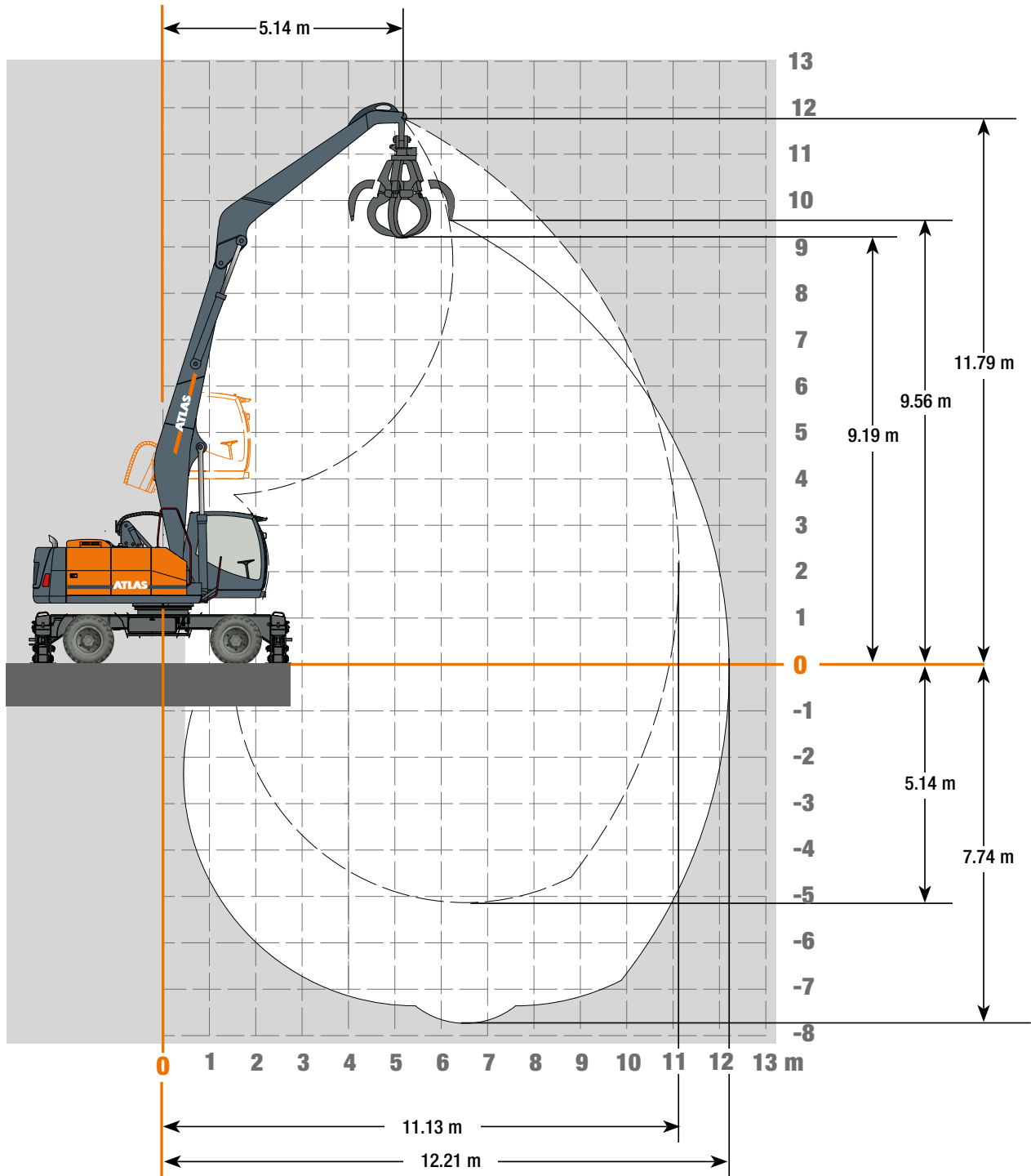
Operating weight incl. driver, fuel, lubricants and coolant plus 1.0 ton for attachments

ATTACHMENTS

<ul style="list-style-type: none"> • Clamshell grab • Orange peel grab 	<ul style="list-style-type: none"> • Load hook • Load lifting magnet 	<ul style="list-style-type: none"> • Log grab • Sorting grab
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










WORKING RANGES 270MH

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



LIFTING CAPACITIES 270MH

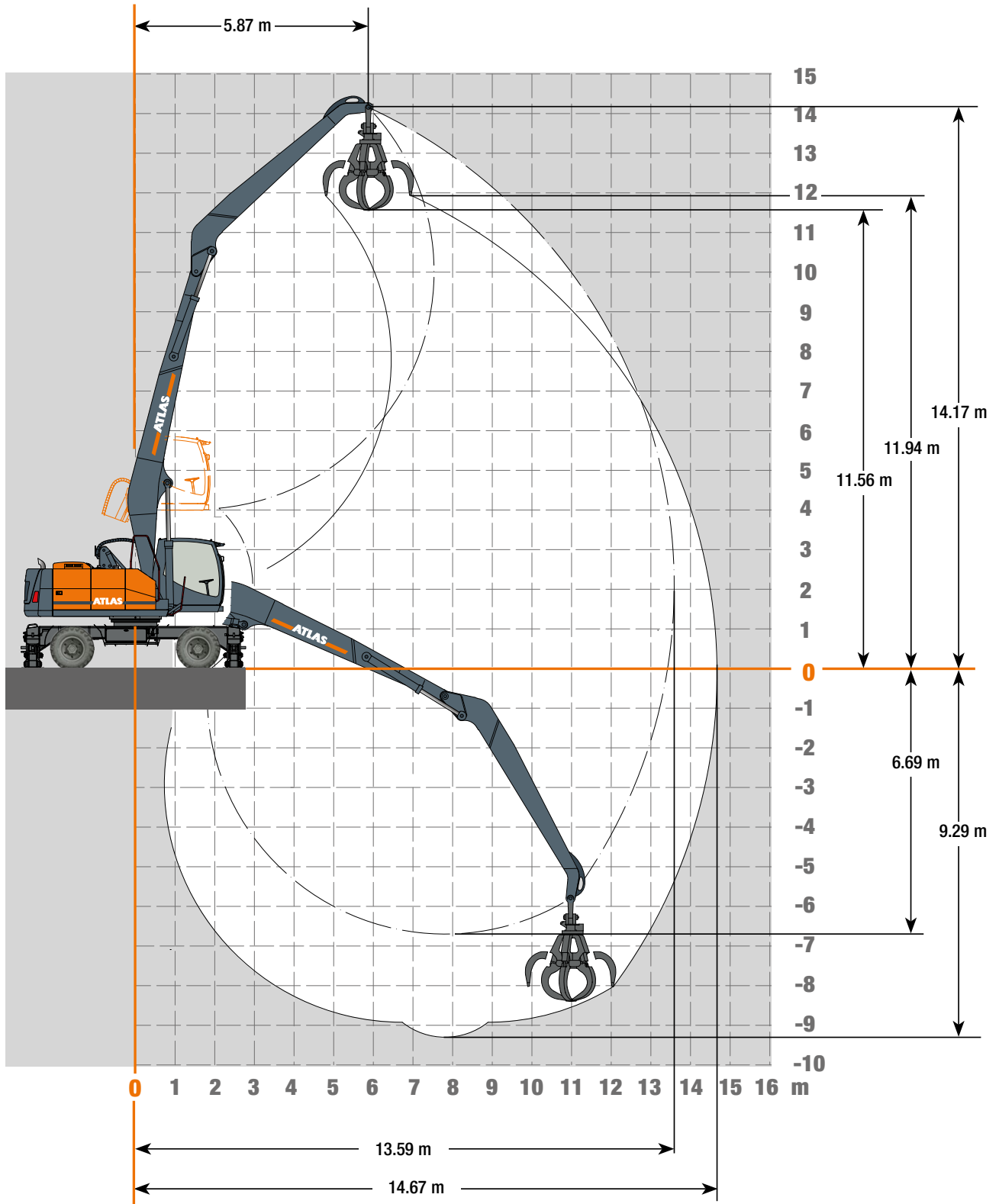
Lifting Capacities Loading boom 6.60 m (C25.5i) with stick 5.00 m (D25.15i). Max. reach 12.21 m

HEIGHT	Undercarriage type		3.0 m	3.8 m	4.6 m	5.4 m	6.2 m	7.0 m	7.8 m	8.6 m	9.4 m	10.2 m	11.0 m
+10.7 m	FRONT 	SDB supported					5915						
		SDB raised					5915						
	LATERAL 	SDB supported					5915						
		SDB raised					5469*						
+ 8.8 m	FRONT 	SDB supported						7554	6413	4623			
		SDB raised						6597*	5499*	4623			
	LATERAL 	SDB supported						7554	6413	4623			
		SDB raised						4589*	3819*	3193*			
+ 6.9 m	FRONT 	SDB supported					8154	7689	7309	6947	5782		
		SDB raised					7961*	6461*	5450*	4589*	3963*		
	LATERAL 	SDB supported					8154	7689	7087*	5979*	5181*		
		SDB raised					5493*	4478*	3774*	3162*	2708*		
+ 5.0 m	FRONT 	SDB supported				9878	9013	8309	7735	7209	6779	5834	
		SDB raised				9504*	7635*	6260*	5263*	4455*	3863*	3360*	
	LATERAL 	SDB supported				9878	9013	8208*	6891*	5838*	5075*	4434*	
		SDB raised				6395*	5199*	4284*	3602*	3038*	2618*	2255*	
+ 3.1 m	FRONT 	SDB supported	21654	16583	13520	11648	10159	9141	8279	7589	6998	6220*	4577
		SDB raised	21654	15969*	11335*	8830*	7038*	5899*	4969*	4279*	3727*	3260*	2889*
	LATERAL 	SDB supported	21654	16583	13520	11648	9394*	7826*	6576*	5659*	4936*	4331*	3854*
		SDB raised	14036*	9702*	7248*	5789*	4685*	3953*	3336*	2869*	2488*	2161*	1897*
+ 1.2 m	FRONT 	SDB supported	25389	19298	15468	12875	11089	9701	8632	7788	6905*	6111*	5128
		SDB raised	22038*	14040*	10229*	7987*	6533*	5469*	4669*	4054*	3559*	3155*	2816*
	LATERAL 	SDB supported	25389	19298	14433*	10991*	8867*	7359*	6253*	5420*	4759*	4224*	3779*
		SDB raised	11359*	8156*	6288*	5073*	4224*	3571*	3064*	2662*	2333*	2059*	1827*
-0.7 m	FRONT 	SDB supported	22253	18145	15060	12758	11003	9625	8529	7585	6744	5977	
		SDB raised	21202*	13164*	9573*	7514*	6161*	5192*	4477*	3897*	3432*	3068*	
	LATERAL 	SDB supported	22253	18145	13676*	10475*	8463*	7068*	6061*	5257*	4625*	4133*	
		SDB raised	10758*	7479*	5746*	4655*	3890*	3318*	2879*	2515*	2216*	1978*	
-2.6 m	FRONT 	SDB supported	17079	14912	12847	11203	9701	8545	7531	6631	5701		
		SDB raised	17079	13161*	9390*	7359*	5979*	5047*	4349*	3822*	3387*		
	LATERAL 	SDB supported	17079	14912	12847	10310*	8257*	6907*	5917*	5181*	4579*		
		SDB raised	10826*	7443*	5598*	4515*	3737*	3191*	2769*	2444*	2172*		
- 4.5 m	FRONT 	SDB supported			8964	8089	7200	6276	5354	4415			
		SDB raised			8964	7428*	6068*	5110*	4400*	3866*			
	LATERAL 	SDB supported			8964	8089	7200	6276	5354	4415			
		SDB raised			5698*	4573*	3799*	3237*	2810*	2487*			



















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 270MH

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



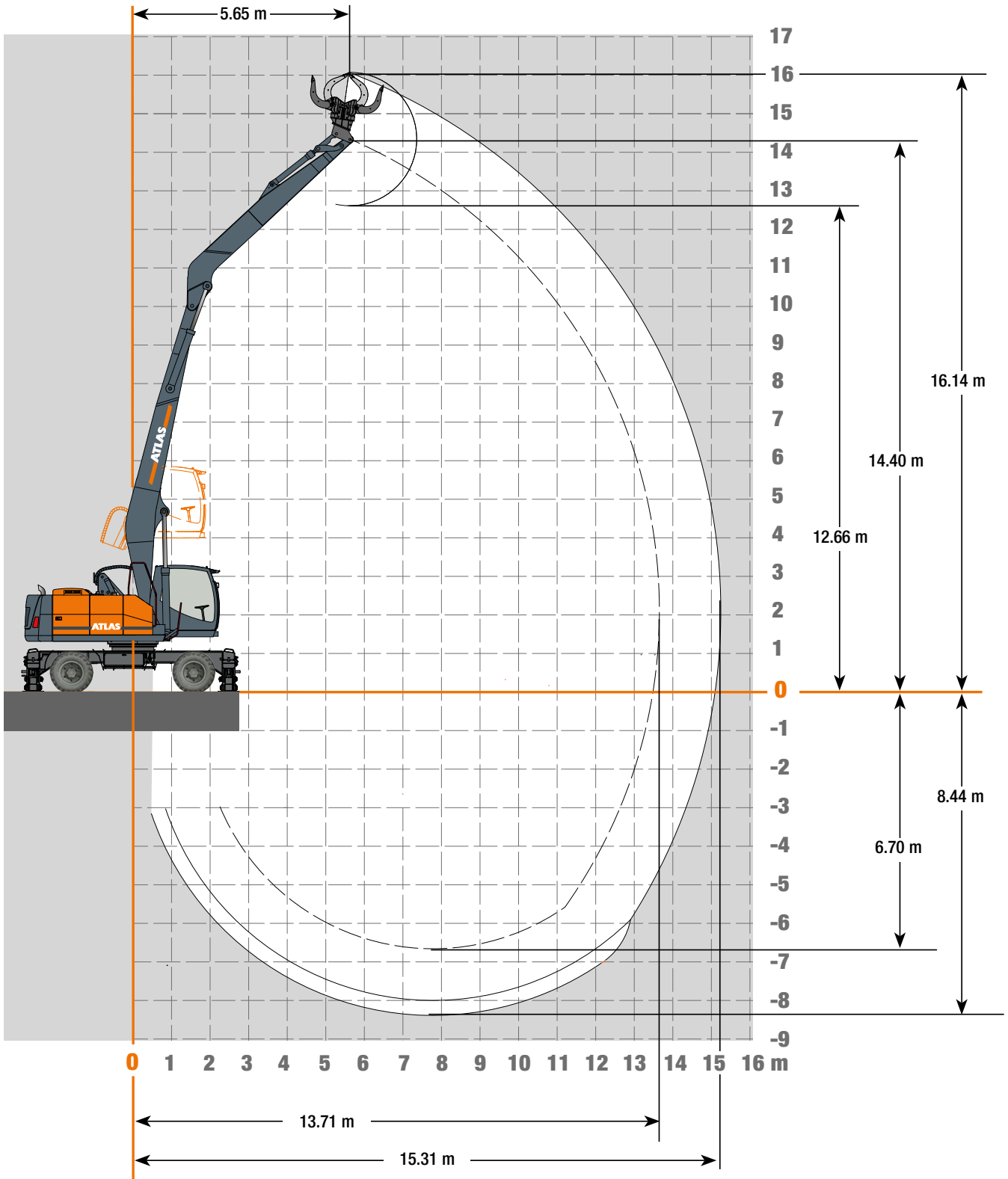
LIFTING CAPACITIES 270MH

Lifting Capacities Loading Boom 8.00 m (C25.6i) with stick 6.00 m (D25.16i). Max reach 14.67 m															
HEIGHT	Undercarriage type		4.5 m	5.25 m	6.0 m	6.75 m	7.5 m	8.25 m	9.0 m	9.75 m	10.5 m	11.25 m	12.0 m	12.75 m	13.5 m
+12.0 m	FRONT 	SDB supported					5215	4263	3038						
		SDB raised					5215	4263	3038						
	LATERAL 	SDB supported					5215	4263	3038						
		SDB raised					4117*	3427*	2867*						
+9.75 m	FRONT 	SDB supported					6096	5839	5594	5056	3937				
		SDB raised					5972*	5104*	4353*	3770*	3275*				
	LATERAL 	SDB supported					6096	5839	5594	4948*	3937				
		SDB raised					4145*	3523*	2976*	2544*	2172*				
+7.5 m	FRONT 	SDB supported					6354	6010	5731	5459	5193	4965	3556		
		SDB raised					5844*	4943*	4299*	3722*	3215*	2820*	2487*		
	LATERAL 	SDB supported					6354	6010	5630*	4902*	4266*	3774*	3363*		
		SDB raised					4020*	3380*	2917*	2496*	2122*	1827*	1575*		
+5.25 m	FRONT 	SDB supported		9206	8303	7554	6968	6498	6082	5692	5375	5075	4796*	3804	
		SDB raised		9206	7947*	6516*	5482*	4703*	4040*	3490*	3090*	2712*	2414*	2136*	
	LATERAL 	SDB supported		9206	8303	7554	6968	6215*	5357*	4652*	4140*	3662*	3287*	2940*	
		SDB raised		6652*	5323*	4383*	3683*	3145*	2677*	2286*	2000*	1724*	1505*	1300*	
+3.0 m	FRONT 	SDB supported	13222	11220	9683	8623	7745	7055	6509	6001	5586	5142*	4658*	4229*	2833
		SDB raised	10938*	8619*	6908*	5811*	4925*	4241*	3715*	3242*	2876*	2550*	2288*	2052*	1836*
	LATERAL 	SDB supported	13222	11220	9412*	7866*	6646*	5723*	5022*	4398*	3918*	3495*	3157*	2854*	2579*
		SDB raised	6695*	5422*	4412*	3738*	3173*	2723*	2371*	2049*	1797*	1570*	1387*	1218*	1063*
+0.75 m	FRONT 	SDB supported	14551	12251	10557	9281	8213	7400	6740	6140	5519*	4961*	4511*	4107*	2912
		SDB raised	9088*	7257*	6010*	5110*	4378*	3817*	3380*	2980*	2666*	2384*	2155*	1945*	1768*
	LATERAL 	SDB supported	13347*	10376*	8459*	7121*	6067*	5279*	4671*	4125*	3700*	3324*	3019*	2741*	2509*
		SDB raised	5145*	4260*	3606*	3103*	2672*	2330*	2060*	1803*	1600*	1413*	1260*	1119*	999*
-1.5 m	FRONT 	SDB supported	13388	11616	10121	8965	7971	7196	6517	5921	5364*	4830*	4408	3899	
		SDB raised	8564*	6751*	5516*	4680*	4019*	3538*	3136*	2800*	2520*	2266*	2066*	1886*	
	LATERAL 	SDB supported	12804*	9849*	7921*	6657*	5680*	4985*	4413*	3941*	3551*	3202*	2928*	2681*	
		SDB raised	4671*	3796*	3164*	2716*	2349*	2072*	1835*	1632*	1460*	1301*	1175*	1062*	
-3.75 m	FRONT 	SDB supported	10611	9447	8509	7722	6952	6215	5653	5061	4527	4013	3414		
		SDB raised	8572*	6590*	5431*	4578*	3929*	3421*	3047*	2720*	2459*	2241*	2062*		
	LATERAL 	SDB supported	10611	9447	7842*	6557*	5599*	4859*	4321*	3854*	3486*	3178*	2924*		
		SDB raised	4671*	3684*	3077*	2616*	2256*	1967*	1751*	1559*	1405*	1275*	1171*		
-6.0 m	FRONT 	SDB supported		6151	5768	5261	4841	4349	3842	3332	2695				
		SDB raised		6151	5562*	4648*	4009*	3507*	3110*	2800*	2554*				
	LATERAL 	SDB supported		6151	5768	5261	4841	4349	3842	3332	2695				
		SDB raised		3878*	3200*	2691*	2329*	2040*	1810*	1632*	1491*				

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 270MH

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



LIFTING CAPACITIES 270MH

Lifting Capacities Loading Boom 8.00 m (C25.6i) with stick 6.00 m (D25.16is). Max reach 15.31 m

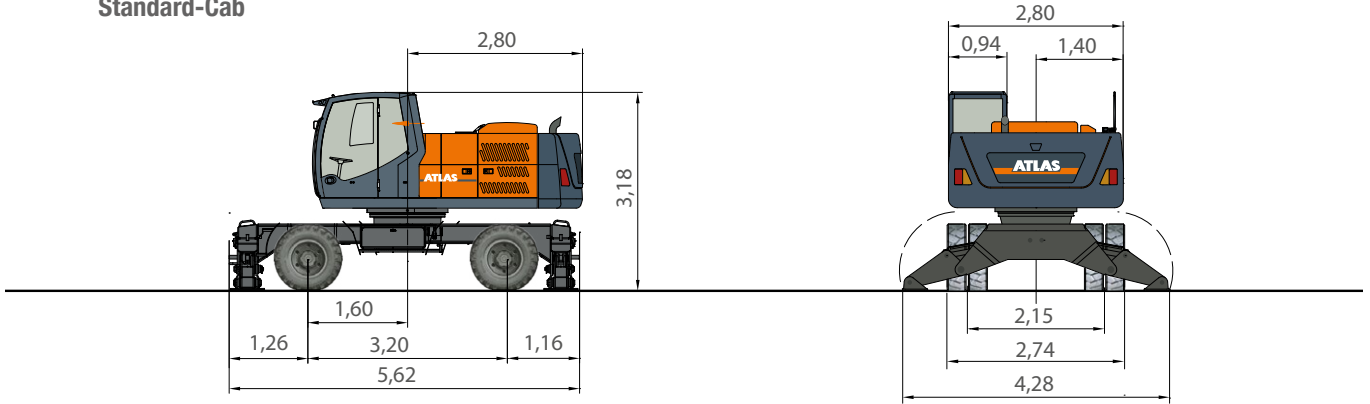
HEIGHT	Undercarriage type		4.5 m	5.5 m	6.5 m	7.5 m	8.5 m	9.5 m	10.5 m	11.5 m	12.5 m	13.5 m
+13.5 m	FRONT 	SDB supported				2749						
	LATERAL 	SDB raised				2749						
+12.0 m	FRONT 	SDB supported				3203	2875	2315				
	LATERAL 	SDB raised				3203	2875	2315				
+10.5 m	FRONT 	SDB supported					3221	2921	2408			
	LATERAL 	SDB raised					3221	2921	2408			
+9.0 m	FRONT 	SDB supported				3544	3483	3293	2944	2359		
	LATERAL 	SDB raised				3544	3483	3293	2944	2359		
+7.5 m	FRONT 	SDB supported				3796	3814	3677	3381	2900	2123	
	LATERAL 	SDB raised				3796	3814	3677	3381	2900	2123	
+6.0 m	FRONT 	SDB supported			4087	4335	4368	4210	3881	3383	2671	
	LATERAL 	SDB raised			4087	4335	4368	4210	3881	3383	2671	
+4.5 m	FRONT 	SDB supported	4219	5111	5521	5589	5412	5053	4551	3919	3129	2030
	LATERAL 	SDB raised	4219	5111	5521	5589	5412	4852*	4138*	3571*	3109*	2030
+3.0 m	FRONT 	SDB supported	13647	10958	9210	7978	7056	6334	5496	4557	3560	2359
	LATERAL 	SDB raised	13647	10854*	8336*	6694*	5537*	4677*	4012*	3482*	3050*	2359
+1.5 m	FRONT 	SDB supported	1297	6978	9768	8356	7305	6484	5794*	5063*	3940	2507
	LATERAL 	SDB raised	1297	6978	7854*	6363*	5301*	4507*	3888*	3394*	2993*	2507
+ 0 m	FRONT 	SDB supported	1007	3178	9893	8450	7351	6480	5686*	4992*	4166	2389
	LATERAL 	SDB raised	1007	3178	7498*	6102*	5109*	4364*	3787*	3327*	2953*	2389
-1.5 m	FRONT 	SDB supported	1375	2902	6405	8202	7139	6270	5531	4864	4042	
	LATERAL 	SDB raised	1375	2902	6405	5952*	4993*	4279*	3727*	3289*	2936*	
-3.0 m	FRONT 	SDB supported	1938	3258	6025	7565	6603	5777	5036	4321	3288	
	LATERAL 	SDB raised	1938	3258	6025	5898*	4948*	4246*	3708*	3286*	2955*	
-4.5 m	FRONT 	SDB supported	2592	3909	6677	6492	5673	4914	4169	3338		
	LATERAL 	SDB raised	2592	3909	6677	5924*	4968*	4268*	3738*	3333*		
-6.0 m	FRONT 	SDB supported		4886	5545	4906	4242	3531				
	LATERAL 	SDB raised		4886	5545	4906	4242	3531				

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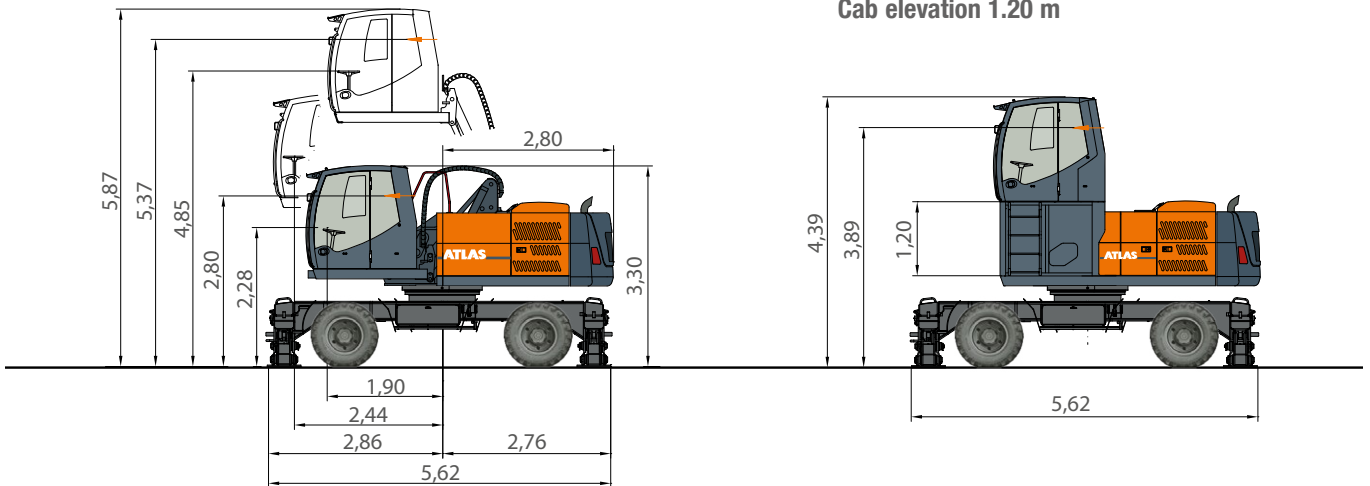
DIMENSION 270MH

270MH Transport position

Standard-Cab



Lift-Cab



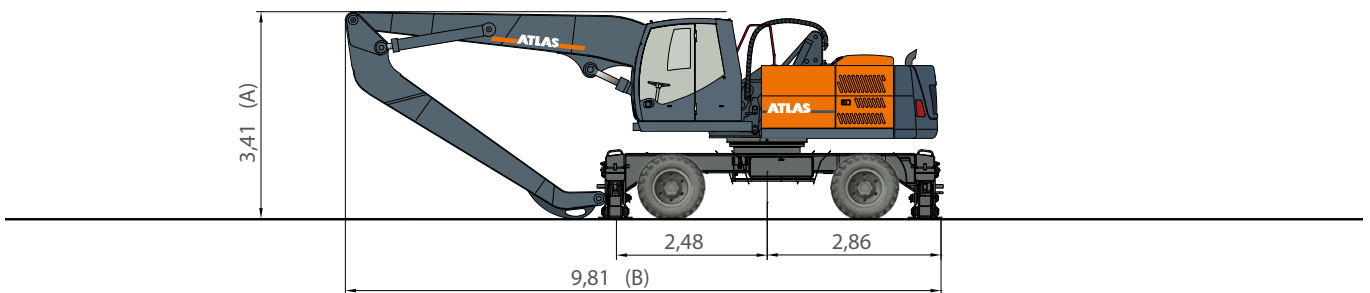
Cab elevation 1.20 m

A TRANSPORT HEIGHT

- Loading boom 6.60 m (C25.5i) with stick 5.00 m (D25.15i)3.41 m
- Loading boom 8.00 m (C25.6i) with stick 6.00 m (D25.16i)3.30 m
- Loading boom 8.00 m (C25.6i) with stick 5.00 m (D25.15i)3.30 m

B TRANSPORT LENGTH

- Loading boom 6.60 m (C25.5i) with stick 5.00 m (D25.15i)9.81 m
- Loading boom 8.00 m (C25.6i) with stick 6.00 m (D25.16i)11.26 m
- Loading boom 8.00 m (C25.6i) with stick 5.00 m (D25.15i)11.26 m



Further variations of cabs on request



270MH-EN (1) Effective date: 04/2022. 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 © 2022 Atlas GmbH. Ref. no. 6203914

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