

ATLAS

SINCE 1919

**STABLE.
STRONG.
STEADY.**

-  26.1 - 27.4 t
-  129 kW (175 hp)
-  10.3 - 16.4 m



MADE
IN
GERMANY

MATERIAL HANDLING MACHINE 270MH

WWW.ATLASGMBH.COM

TECHNICAL SPECIFICATION 270MH

Technical specifications

ENGINE

Power according to ISO 9249.....129 kW (175 hp)	Cylinder capacity.....6700 cm ³	Air filter.....Dry air filter
RPM.....1800/min	Number of cylinders.....6	Battery.....2x 12V/2x 100Ah
Make.....CUMMINS QSB 6.7 (Tier 4F)	Borehole/lift.....101 / 126	Alternator.....24 V/70Ah
Design.....Turbocharger / intercooler	Cooling system.....Water-cooled	Starter.....24V/3.2kW

HYDRAULIC SYSTEM

<ul style="list-style-type: none"> • Load limit controlled high-performance piston pump • 7 standard consumer loads in one control block • Sensitive, proportional, independent control • Primary and secondary protection against overload • Suction valves for all work functions 	<ul style="list-style-type: none"> • Load-retaining and fine lowering valve in lifting circuit • Pump flow control • Grab and grab-rotating function • Fuel-efficient flow-on-demand control • Pipe-break protection valves for lifting cylinders • Up to 2 additional control circuits possible 	<ul style="list-style-type: none"> • Max. oil flow.....380 l/min • Max. operating pressure.....340 bar • Operating modes: 3 pre-programmed modes (Fine, Eco, Power)
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SWING ASSEMBLY

<ul style="list-style-type: none"> • Swing motor: Axial piston motor with priority valve • Swing gear: Planetary transmission • Swing brake: Automatic multidisc brake 	<ul style="list-style-type: none"> • Max. swing speed11/min • Swing torque63.2 kNm
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TRACTION

<ul style="list-style-type: none"> • Variable displacement motor • Power-shift transmission • Double-acting brake valve • Driving direction pre-selection via switch in joystick 	<ul style="list-style-type: none"> • Maximum speed20 km/h • Terrain speed5 km/h • Crawling speed1 km/h 	<ul style="list-style-type: none"> • Tractive force132.8 kN • Max. gradeability70.1% • Dual circuit brake systemMulti-disc • Parking brakeMulti-disc
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UNDERCARRIAGE

<ul style="list-style-type: none"> • 40 t special excavator axles 	<ul style="list-style-type: none"> • Steering axle with automatic oscillating axle blocking 	<ul style="list-style-type: none"> • 8 tyres10.00 - 20
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FILL CAPACITIES

<ul style="list-style-type: none"> • Fuel tank 389 Liter • Cooling system 42 Liter 	<ul style="list-style-type: none"> • Engine oil 20 Liter • Hydraulic tank 216 Liter 	<ul style="list-style-type: none"> • Hydraulics system400 Liter
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DRIVER'S CAB

<ul style="list-style-type: none"> • Meets latest safety standards • Extra large entry zone • Spacious leg room • Excellent circumferential visibility • Preparation for radio installation with mute function 	<p>CONTROL:</p> <ul style="list-style-type: none"> • Ergonomic joystick • Slim steering column, height and tilt adjustable • Indicators, controls and operating switches are clearly arranged 	<p>CLIMATE CONTROL:</p> <ul style="list-style-type: none"> • Air conditioning equipped as standard • Very good air distribution through optimally arranged nozzles
<p>DRIVER'S SEAT:</p> <ul style="list-style-type: none"> • Air-cushioned comfort seat (optional seat heating) • Arm rests and lumbar support • Seat adjustable separately from console 	<p>MONITORING</p> <ul style="list-style-type: none"> • Operating data display screen • Automatic system for monitoring, warning and storage of data 	<p>SOUND LEVELS:</p> <ul style="list-style-type: none"> • ISO6396 (L_pA) in driver's cab74 dB(A) • 2000/14EG (L_wA) ambience level103 dB(A)

WORKING EQUIPMENT 270MH

Working equipment

OPERATING WEIGHTS

	LOADING BOOM 6.60 m (C25.5i)	LOADING BOOM 8.00 m (C25.6i)	LOADING BOOM 8.00 m (C25.6i)
	Stick 5.00 m (D25.15i)	Stick 6.00 m (D25.16i)	Stick 6.00 m (D25.16i)
4 outriggers	26.5 t	27.0 t	27.4 t

Operating weight with driver, solid rubber tyres, completely filled implement and 1.0 t for attachments and 1.4 t for lift-cab (option).

EQUIPMENT

BASIC DEVICE Atlas 270MH	Standard equipment	
<ul style="list-style-type: none"> 270MH material handler with quadruple outrigger support and 2 lifting cylinders (A22.39) 	Engine: <ul style="list-style-type: none"> Automatic idle Diesel pre-filter Engine monitoring 	<ul style="list-style-type: none"> Slim steering column, height and tilt adjustable Different options for storage, compartment for documents Ready for electric cooling box Seat adjustable separately from console Heat-absorbing glass, tinted windows Automotive drive and cruise control Operating data screen display Bottle holder
Mono Booms: <ul style="list-style-type: none"> Loading boom 6.60 m (C25.5i) Loading boom 8.00 m (C25.6i) 	Hydraulics: <ul style="list-style-type: none"> Grab and grab-rotating function Accumulator for emergency lowering of the arm system Pipe break protection valves for lifting cylinders Overload warning device Cylinder end damping Max. load-limit control 	Equipment: <ul style="list-style-type: none"> Combined lubricating points for swing bearing and arm equipment
Mono Sticks: <ul style="list-style-type: none"> Stick 5.00 m (D25.15i) Stick 6.00 m (D25.16i) Stick 6.00 m (D25.16is) 	Cab: <ul style="list-style-type: none"> Automatic air-conditioning Preparation for radio installation with mute function 	Undercarriage: <ul style="list-style-type: none"> Power-shift transmission Wet disc brakes Tool box in the undercarriage

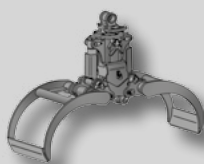
ADDITIONAL EQUIPMENT

Engine: <ul style="list-style-type: none"> Refueling pump Engine speed adjustment via potentiometer Auxiliary heating Cold start assistance 	Equipment: <ul style="list-style-type: none"> Automatically controlled and monitored electric central lubrication system 	<ul style="list-style-type: none"> Cab elevation 1.2 m/0.6 m Lift-Cab (elevation up to 2.5m) Xenon working lights
Hydraulics: <ul style="list-style-type: none"> Hydr. adaptor kit, switch supports pairwise in front and back Hydr. adaptor kit, switch supports individually Bio oil 	Cab: <ul style="list-style-type: none"> Cab protection guard Beacon light 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: <ul style="list-style-type: none"> Solid rubber tyres
Other special equipment: see price list		

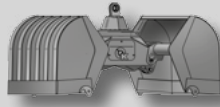
ATTACHMENTS



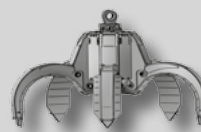
Load hook



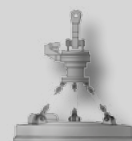
Log grab



Clamshell grab



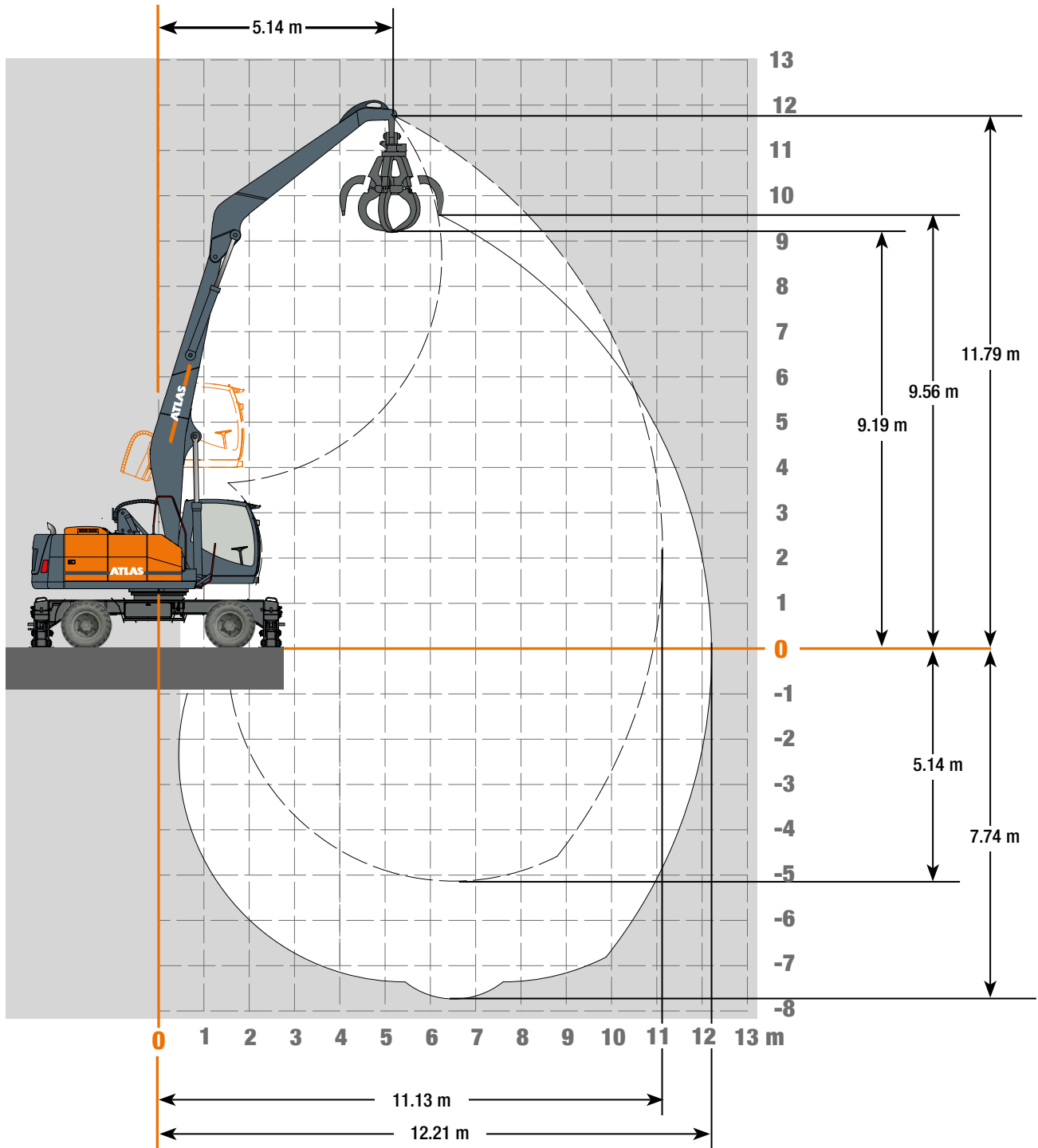
Orange peel grab



Load lifting magnet

















































WORKING RANGES 270MH

Working ranges Loading boom 6.60 m (G25.5i) and stick 5.00 m (D25.15i)



LIFTING CAPACITIES 270MH

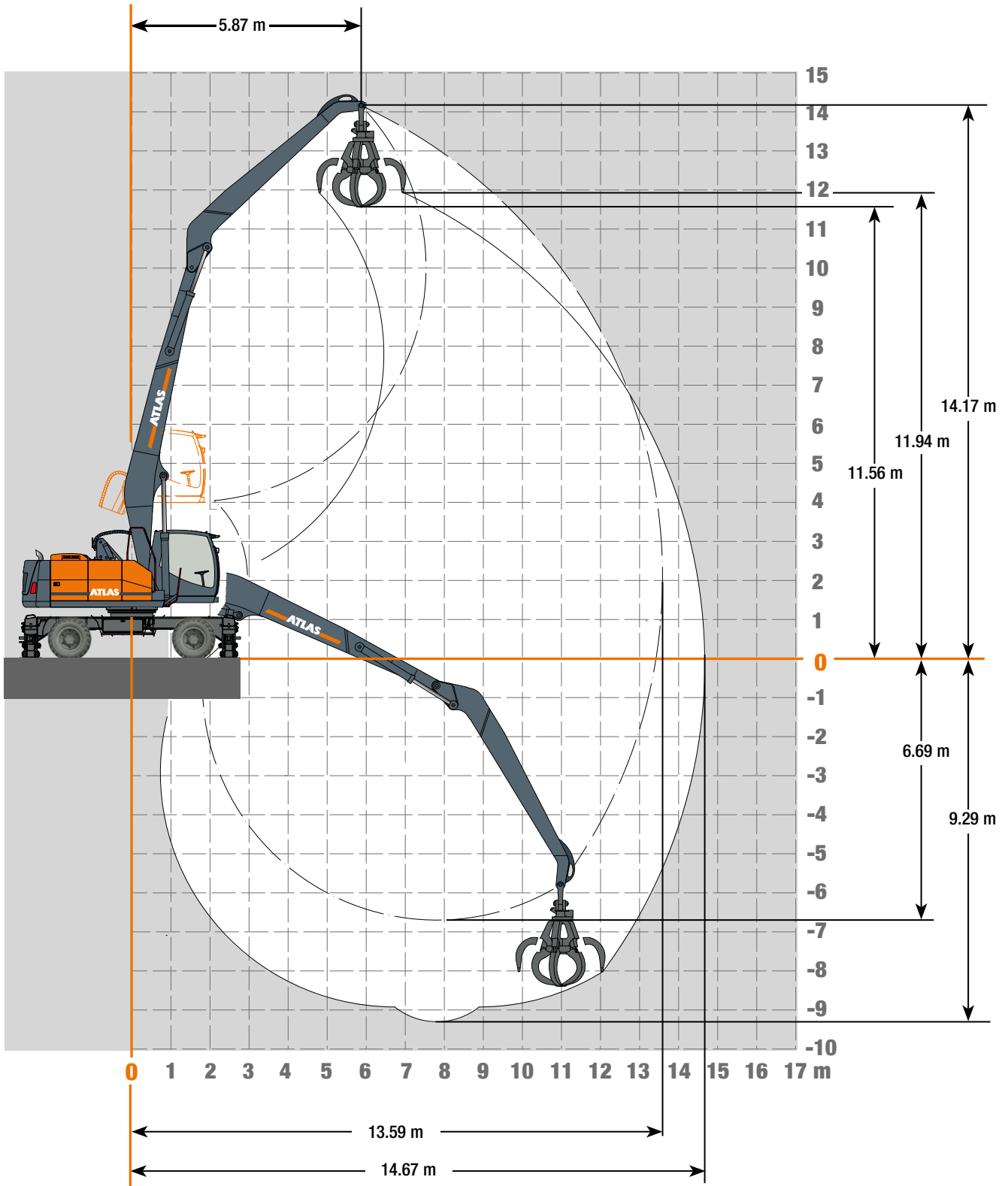
Lifting Capacities Loading boom 6.60 m (C25.5i) and stick 5.00 m (D25.15i)

Lifting Capacities Loading boom 6.60 m (C25.5i) with stick 5.00 m (D25.15i). Max. reach 12.21 m											
HEIGHT	Undercarriage type		3.0 m	4.0 m	5.0 m	6.0 m	7.0 m	8.0 m	9.0 m	10.0 m	11.0 m
+12.0 m	FRONT	 SDB supported			10806						
		 SDB raised			10579*						
	LATERAL	 SDB supported			10806						
		 SDB raised			7203*						
+10.5 m	FRONT	 SDB supported				8880	8448				
		 SDB raised				8179*	6286*				
	LATERAL	 SDB supported				8880	8354*				
		 SDB raised				5651*	4355*				
+ 9.0 m	FRONT	 SDB supported					8059	7694	7404		
		 SDB raised					6415*	5110*	4132*		
	LATERAL	 SDB supported					8059	6767*	5505*		
		 SDB raised					4473*	3548*	2834*		
+ 7.5 m	FRONT	 SDB supported					8119	7667	7270	6464*	
		 SDB raised					6401*	5122*	4187*	3456*	
	LATERAL	 SDB supported					8119	6780*	5562*	4628*	
		 SDB raised					4459*	3560*	2885*	2344*	
+ 6.0 m	FRONT	 SDB supported				9247	8518	7907	7382	6469*	
		 SDB raised				8078*	6275*	5044*	4147*	3461*	
	LATERAL	 SDB supported				9247	8343*	6697*	5521*	4633*	
		 SDB raised				5561*	4345*	3487*	2848*	2348*	
+ 4.5 m	FRONT	 SDB supported			11691	10245	9163	8315	7604*	6411*	5491*
		 SDB raised			10452*	7749*	6057*	4898*	4054*	3409*	2895*
	LATERAL	 SDB supported			11691	10245	8109*	6543*	5422*	4579*	3915*
		 SDB raised			6971*	5267*	4146*	3353*	2761*	2299*	1925*
+ 3.0 m	FRONT	 SDB supported		17042	13576	11397	9887	8763	7464*	6324*	5448*
		 SDB raised		14135*	9745*	7320*	5780*	4713*	3931*	3331*	2856*
	LATERAL	 SDB supported		17042	13575*	9991*	7812*	6347*	5293*	4497*	3875*
		 SDB raised		8793*	6360*	4885*	3894*	3183*	2646*	2226*	1888*
+ 1.5 m	FRONT	 SDB supported		8961	15001	12290	10441	8796*	7321*	6232*	5407*
		 SDB raised		8961	9057*	6896*	5502*	4526*	3804*	3249*	2819*
	LATERAL	 SDB supported		8961	12807*	9529*	7515*	6149*	5160*	4412*	3836*
		 SDB raised		7777*	5766*	4508*	3642*	3010*	2528*	2149*	1853*
+ 0 m	FRONT	 SDB supported		6390	15294	12533	10574	8622*	7211*	6173*	5384*
		 SDB raised		6390	8598*	6581*	5284*	4376*	3708*	3196*	2797*
	LATERAL	 SDB supported		6390	12294*	9186*	7281*	5991*	5059*	4357*	3814*
		 SDB raised		6390	5370*	4227*	3444*	2872*	2438*	2099*	1833*
- 1.5 m	FRONT	 SDB supported		7826	14404	11977	10136	8539*	7161*	6153*	
		 SDB raised		7826	8440*	6444*	5180*	4305*	3664*	3178*	
	LATERAL	 SDB supported		7826	12118*	9037*	7171*	5915*	5013*	4338*	
		 SDB raised		7134*	5234*	4105*	3349*	2806*	2397*	2082*	
- 3.0 m	FRONT	 SDB supported		10205	12418	10534	8969	7622	6371	4986	
		 SDB raised		10205	8458*	6436*	5170*	4303*	3677*	3216*	
	LATERAL	 SDB supported		10205	12138*	9029*	7159*	5913*	5026*	4377*	
		 SDB raised		7211*	5249*	4098*	3340*	2804*	2409*	2118*	
- 4.5 m	FRONT	 SDB supported			9354	8104	6888	5658			
		 SDB raised			8605*	6536*	5249*	4380*			
	LATERAL	 SDB supported			9354	8104	6888	5658			
		 SDB raised			5376*	4186*	3412*	2875*			

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.

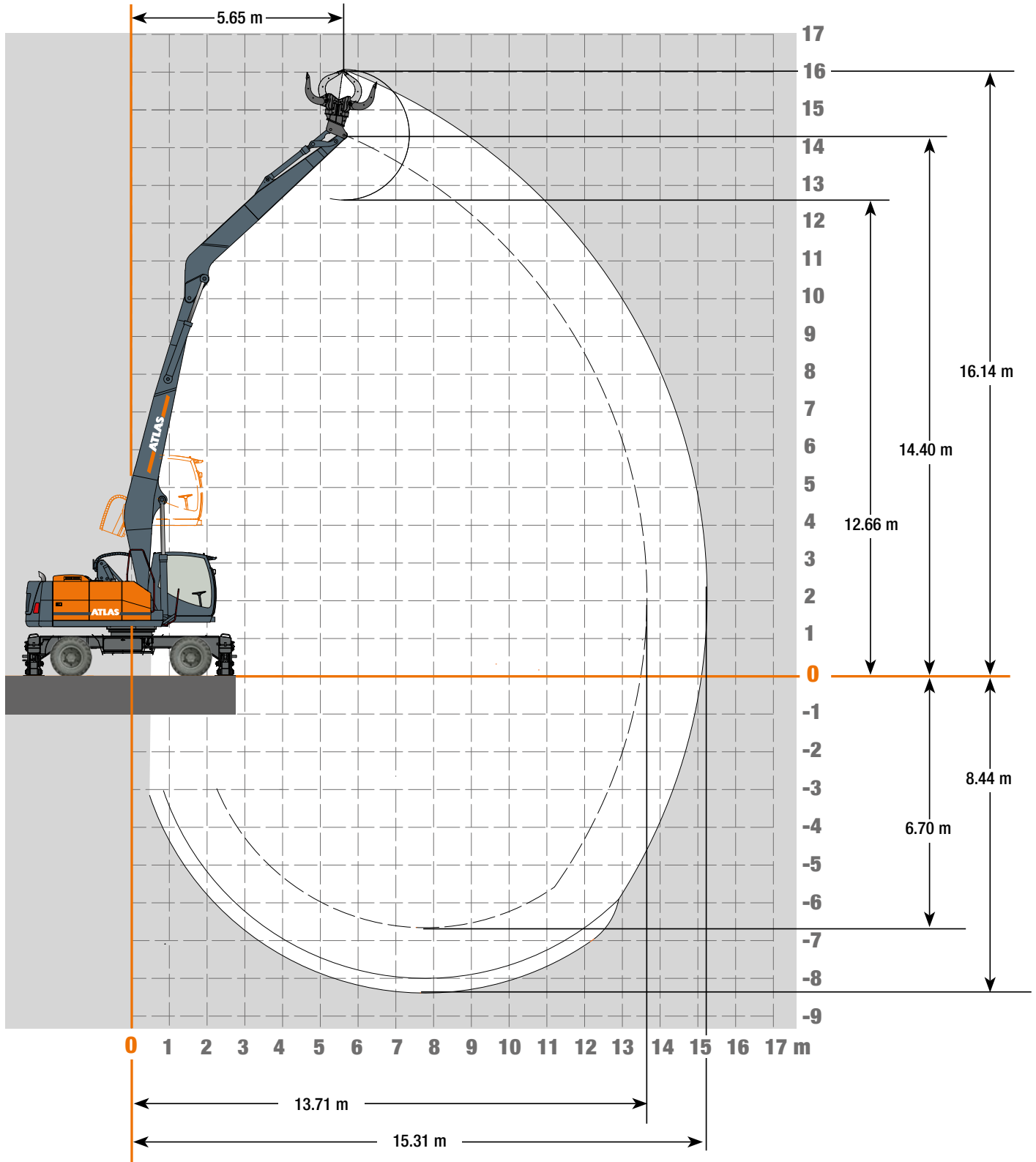
WORKING RANGES 270MH

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











































WORKING RANGES 270MH

Working ranges 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) and stick 6.00 m (D25.16is)

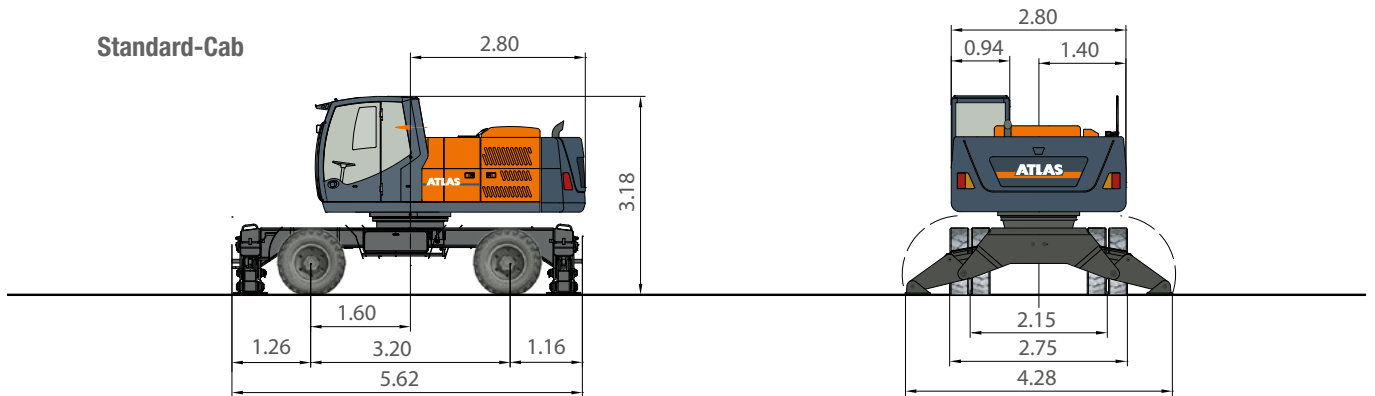
Lifting Capacities Loading Boom 8.00 m (C25.6i) with stick 6.00 m (D25.16is). Max reach 15.31 m														
HEIGHT	Undercarriage type		3.5 m	4.5 m	5.5 m	6.5 m	7.5 m	8.5 m	9.5 m	10.5 m	11.5 m	12.5 m	13.5 m	
+14.5 m	FRONT		SDB supported											
	LATERAL		SDB raised											
+14.0 m	FRONT		SDB supported			8091								
	LATERAL		SDB raised			7117*								
+13.5 m	FRONT		SDB supported			8091								
	LATERAL		SDB raised			4903*								
+12.0 m	FRONT		SDB supported			7981	7331							
	LATERAL		SDB raised			7276*	5649*							
+10.5 m	FRONT		SDB supported			7981	7331							
	LATERAL		SDB raised			5046*	3902*							
+9.0 m	FRONT		SDB supported				6947	6624	6283					
	LATERAL		SDB raised				5920*	4752*	3847*					
+7.5 m	FRONT		SDB supported				6947	6276*	5126*					
	LATERAL		SDB raised				4150*	3305*	2629*					
+6.0 m	FRONT		SDB supported					6403	6121	5886				
	LATERAL		SDB raised					4854*	3981*	3288*				
+4.5 m	FRONT		SDB supported					6383*	5267*	4394*				
	LATERAL		SDB raised					3400*	2755*	2231*				
+3.0 m	FRONT		SDB supported					6780	6410	6087	5800	5257*		
	LATERAL		SDB raised					5999*	4854*	4000*	3335*	2792*		
+1.5 m	FRONT		SDB supported					6780	6383*	5287*	4443*	3764*		
	LATERAL		SDB raised					4222*	3400*	2773*	2275*	1862*		
+0 m	FRONT		SDB supported					7049	6595	6201	5854	5263*	4548*	
	LATERAL		SDB raised					5888*	4775*	3949*	3310*	2797*	2367*	
-1.5 m	FRONT		SDB supported					7049	6300*	5233*	4417*	3769*	3232*	
	LATERAL		SDB raised					4121*	3327*	2725*	2252*	1867*	1538*	
-3.0 m	FRONT		SDB supported					8244	7517	6922	6422	5992	5216*	4536*
	LATERAL		SDB raised					7183*	5683*	4628*	3844*	3239*	2755*	2356*
-4.5 m	FRONT		SDB supported					8244	7517	6144*	5123*	4343*	3725*	3220*
	LATERAL		SDB raised					4963*	3933*	3189*	2626*	2185*	1827*	1527*
-6.0 m	FRONT		SDB supported											
	LATERAL		SDB raised											
-7.5 m	FRONT		SDB supported											
	LATERAL		SDB raised											
-9.0 m	FRONT		SDB supported											
	LATERAL		SDB raised											
-10.5 m	FRONT		SDB supported											
	LATERAL		SDB raised											
-12.0 m	FRONT		SDB supported											
	LATERAL		SDB raised											
-13.5 m	FRONT		SDB supported											
	LATERAL		SDB raised											
-14.0 m	FRONT		SDB supported											
	LATERAL		SDB raised											
-14.5 m	FRONT		SDB supported											
	LATERAL		SDB raised											

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.

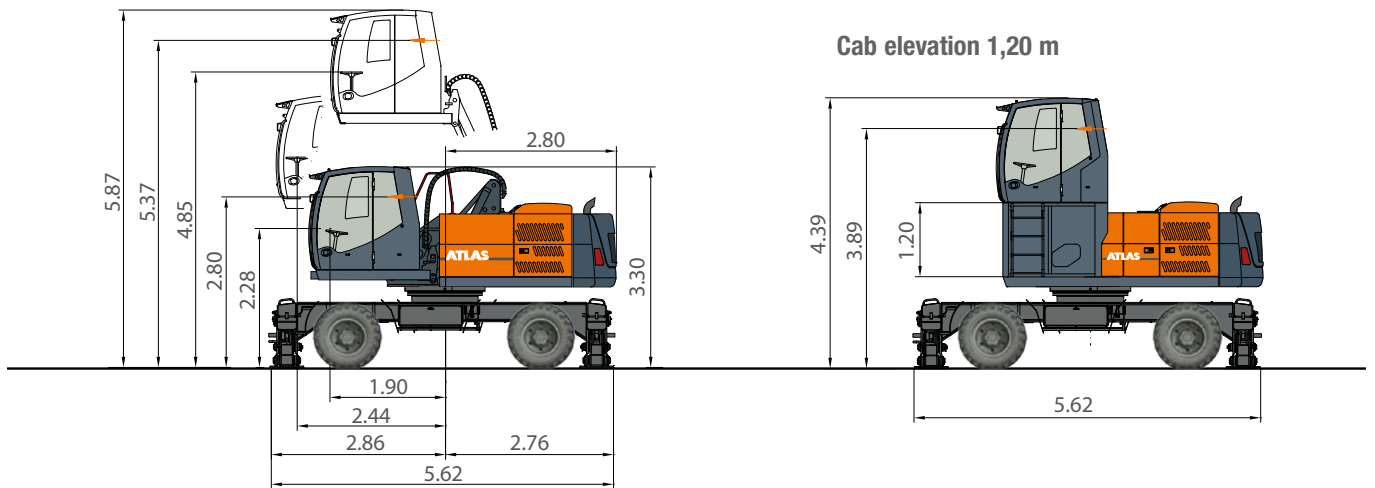
DIMENSION 270MH

Dimensions [m]

Standard-Cab



Lift-Cab



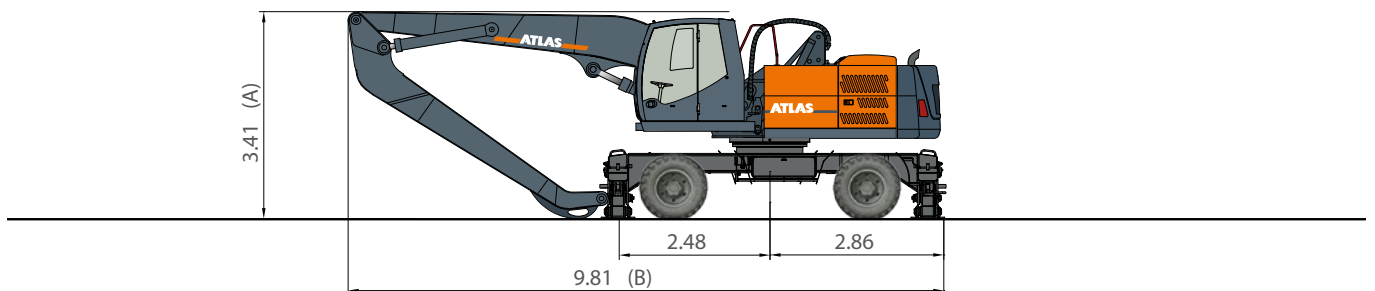
Cab elevation 1,20 m

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

GANDERKESEE FACTORY

Atlas GmbH
Atlasstraße 6
D-27777 Ganderkesee,
Germany

Tel.: +49 (0) 4222 954 0
Fax: +49 (0) 4222 954 220
E-mail: info@atlasgmbh.com
www.atlasgmbh.com



VECHTA FACTORY

Atlas GmbH
Theodor-Heuss-Str. 3
D-49377 Vechta
Germany

T: +49 (0) 4441 954 0
F: +49 (0) 4441 954 299
E-mail: info@atlasgmbh.com
www.atlasgmbh.com



DELMENHORST FACTORY

Atlas GmbH
Stedinger Straße 324
D-27751 Delmenhorst
Germany

T: +49 (0) 4221 49 10
F: +49 (0) 4221 49 14 43
E-mail: info@atlasgmbh.com
www.atlasgmbh.com

ATLAS CRANES UK LTD NATIONAL SALES & SERVICE FACILITY

Wharfedale Road,
Euroway Trading Est.
Bradford, England BD4 6SL
United Kingdom

T: +44 8444 99 66 88
F: +44 1274 65 37 85
E-mail: atlasuk@atlasgmbh.com
www.atlas-cranes.co.uk
www.atlasgmbh.com



ATLAS SINCE 1919 **Material Handling
Machine 270MH**



www.atlasgmbh.com

ATLAS GmbH
EXCAVATORS
Atlasstraße 6
D-27777 Ganderkesee, Germany
T: +49 (0) 4222 954 0
Fax: +49 (0) 4222 954 220
info@atlasgmbh.com