

100
ATLAS 1919 - 2019

ATLAS
SINCE 1919

**STABLE.
STRONG.
STEADY.**

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



MATERIAL HANDLING MACHINE 270MH

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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
RPM1800/min	Number of cylinders.....6	Battery.....2 x 12 V / 100 Ah
Make.....CUMMINS QSB 6.7 (Tier 4F)	Borehole/lift.....101 / 126	Alternator.....24 V / 70 A
DesignTurbocharger / intercooler	Cooling system.....Water-cooled	Starter.....24 V / 3.2 kW

HYDRAULIC SYSTEM

• Load limit controlled high-performance piston pump	• Load-retaining and fine lowering valve in lifting circuit	• Up to 2 additional control circuits possible
• 7 standard consumer loads in one control block	• Pump flow control	• Max. oil flow.....380 l/min
• Sensitive, proportional, independent control	• Grab and grab-rotating function	• Max. operating pressure.....320 (350) bar
• Primary and secondary protection against overload	• Fuel-efficient flow-on-demand control	• Operating modes:: 3 pre-programmed modes (Fine, Eco, Power)
	• Pipe-break protection valves for lifting cylinders	• Proportional grab turning

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

• Variable displacement motor	• Maximum speed20 km/h	• Tractive force132.8 kN
• Power-shift transmission	• Terrain speed5 km/h	• Max. gradeability55%
• Double-acting brake valve	• Crawling speed1 km/h	• Dual circuit brake systemMulti-disc
• Driving direction pre-selection via switch in joystick		• Parking brakeMulti-disc

UNDERCARRIAGE

• 40 t special excavator axles	• Steering axle with automatic oscillating axle blocking	• 8 tyres16 PR 10.00 - 20
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FILL CAPACITIES

• Fuel tank 382 Liter	• Engine oil 20 Liter	• Hydraulics system400 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 _p A) in driver's cab73 dB(A)
DRIVER'S SEAT:	• Operating data display screen	• 2000/14EG (L _w A) 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 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 (D25.16is)
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).

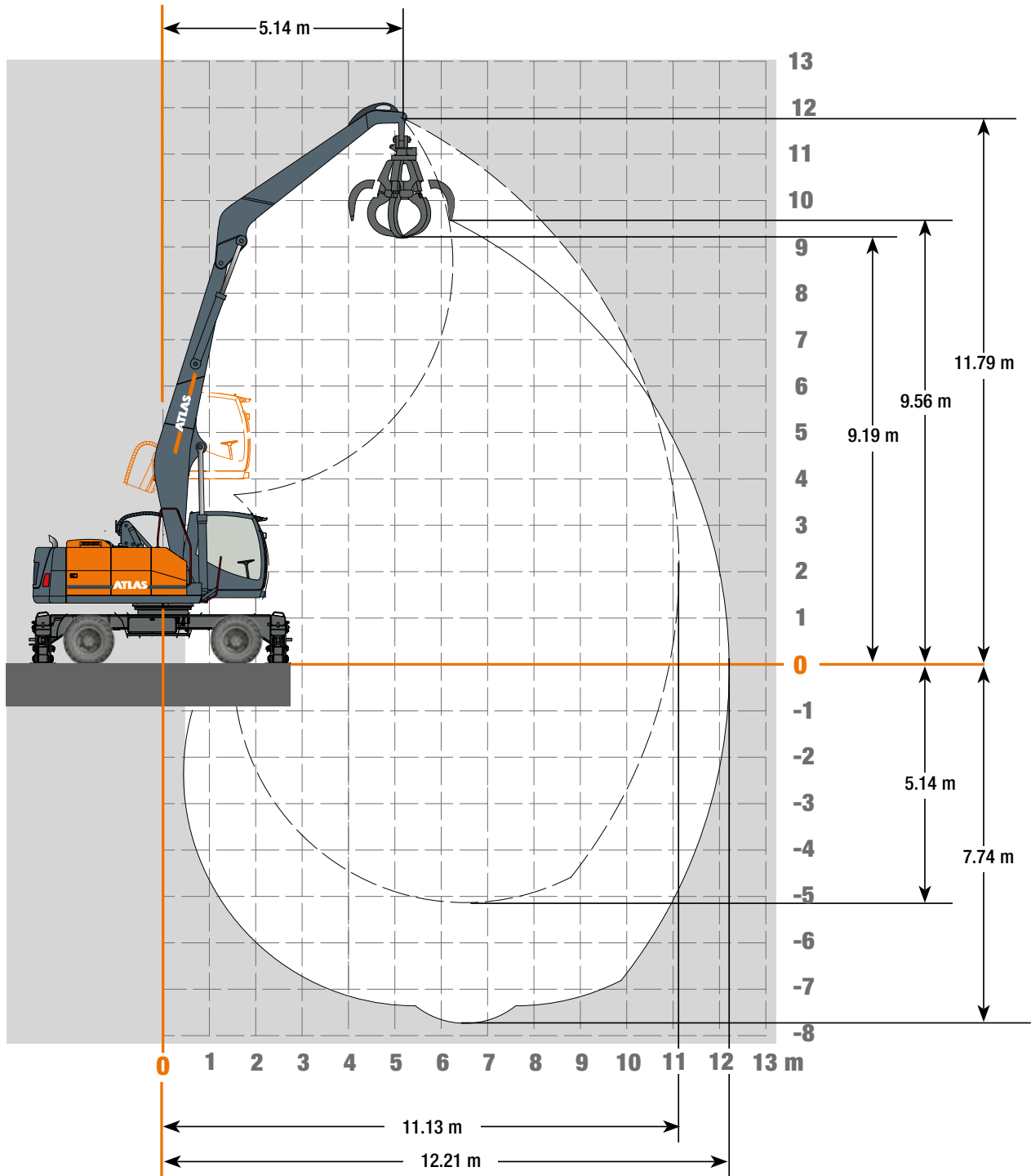
EQUIPMENT		
BASIC DEVICE Atlas 270MH	Standard equipment	
<ul style="list-style-type: none"> • 270MH material handler with quadruple outrigger support and 2 lifting cylinders (A22.39) 	Engine: <ul style="list-style-type: none"> • Automatic idle • Diesel pre-filter • Engine monitoring 	<ul style="list-style-type: 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 • Max. load-limit control • Cylinder end damping 	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
New serial Equipment: <ul style="list-style-type: none"> • Rear and side camera on right side 		

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"> • Lift-Cab (elevation up to 2.7 m) • LED 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 • 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 (C25.5i) and stick 5.00 m (D25.15i)



LIFTING CAPACITIES 270MH

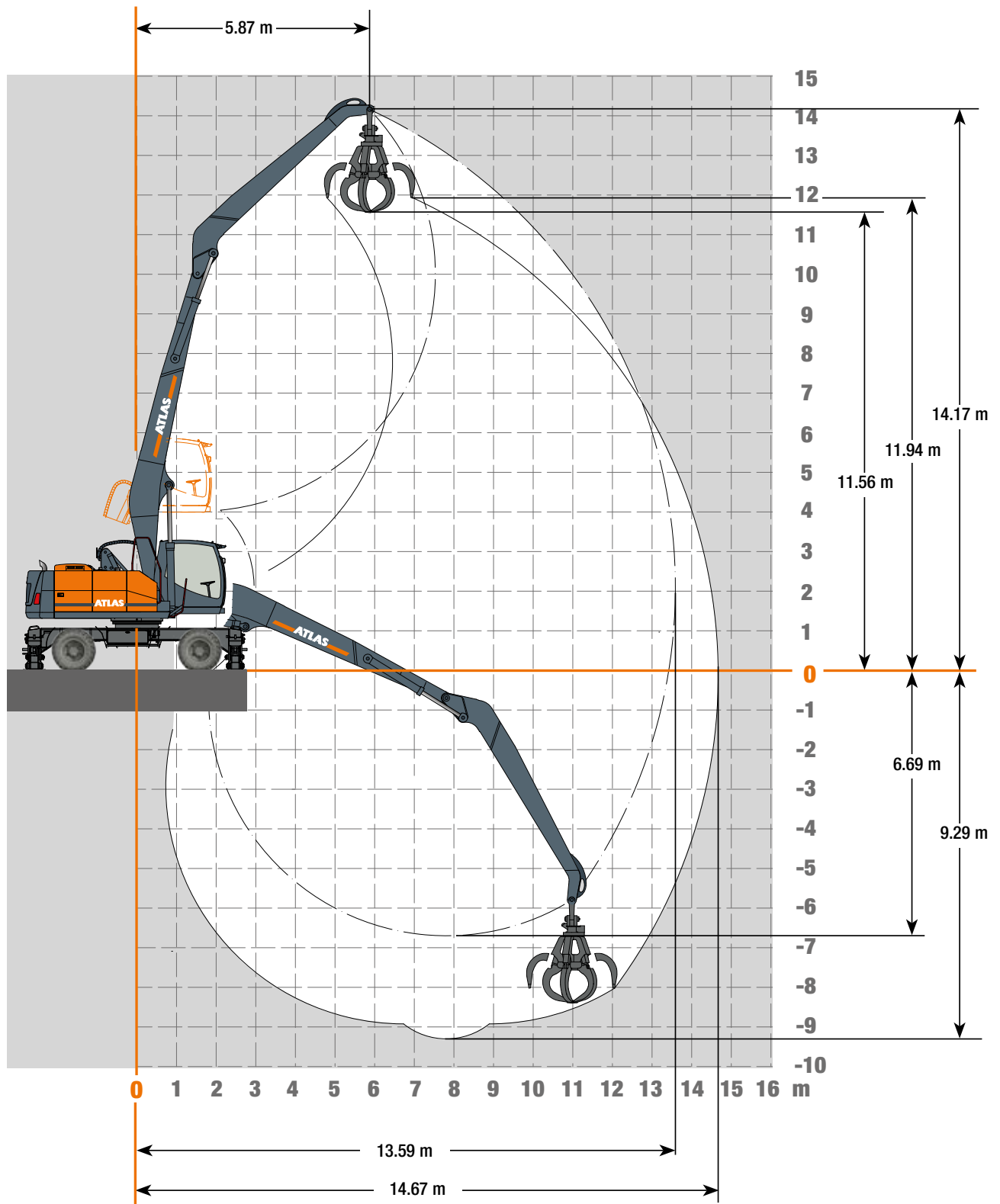
Lifting Capacities Loading boom 6.60 m (C25.5i) and stick 5.00 m (D25.15i)

Lifting Capacities Loading boom 6.60 m (C25.5i) with stick 5.00 m (D25.15i). Max. reach 12.21 m				4.5 m	6.0 m	7.5 m	9.0 m	10.5 m
HEIGHT	Undercarriage type							
+10.5 m	FRONT		SDB supported		8132	7139		
			SDB raised		8132	5562*		
	LATERAL		SDB supported		8132	7139		
			SDB raised		5651*	3842*		
+ 9.0 m	FRONT		SDB supported			7179	6383	
			SDB raised			5709*	4132*	
	LATERAL		SDB supported			7179	5505*	
			SDB raised			3976*	2834*	
+ 7.5 m	FRONT		SDB supported			7196	6611	
			SDB raised			5707*	4187*	
	LATERAL		SDB supported			7196	5562*	
			SDB raised			3975*	2885*	
+ 6.0 m	FRONT		SDB supported		8463	7478	6711	5959*
			SDB raised		8078*	5606*	4147*	3170*
	LATERAL		SDB supported		8463	7445*	5521*	4262*
			SDB raised		5561*	3882*	2848*	2133*
+ 4.5 m	FRONT		SDB supported	10405	9359	7939	6921	5924*
			SDB raised	10405	7749*	5428*	4054*	3139*
	LATERAL		SDB supported	10405	9359	7255*	5422*	4229*
			SDB raised	8204*	5267*	3719*	2761*	2104*
+ 3.0 m	FRONT		SDB supported	13779	10390	8450	7147	5859*
			SDB raised	11570*	7320*	5202*	3931*	3080*
	LATERAL		SDB supported	13779	9991*	7014*	5293*	4168*
			SDB raised	7407*	4885*	3512*	2646*	2048*
+ 1.5 m	FRONT		SDB supported	15388	11181	8826	7275	5793*
			SDB raised	10660*	6896*	4975*	3804*	3021*
	LATERAL		SDB supported	15370*	9529*	6773*	5160*	4107*
			SDB raised	6640*	4508*	3303*	2528*	1993*
+ 0 m	FRONT		SDB supported	7560	11381	8881	7185	5752*
			SDB raised	7560	6581*	4792*	3708*	2984*
	LATERAL		SDB supported	7560	9186*	6579*	5059*	4068*
			SDB raised	6177*	4227*	3136*	2438*	1958*
- 1.5 m	FRONT		SDB supported	7729	10857	8485	6740	5129
			SDB raised	7729	6444*	4706*	3664*	2981*
	LATERAL		SDB supported	7729	9037*	6487*	5013*	4065*
			SDB raised	6044*	4105*	3057*	2397*	1954*
- 3.0 m	FRONT		SDB supported	9306	9523	7472	5737	
			SDB raised	9306	6436*	4699*	3677*	
	LATERAL		SDB supported	9306	9029*	6479*	5026*	
			SDB raised	6084*	4098*	3051*	2409*	
- 4.5 m	FRONT		SDB supported	8969	7286	5636		
			SDB raised	8969	6536*	4775*		
	LATERAL		SDB supported	8969	7286	5636		
			SDB raised	6242*	4186*	3121*		

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)



LIFTING CAPACITIES 270MH

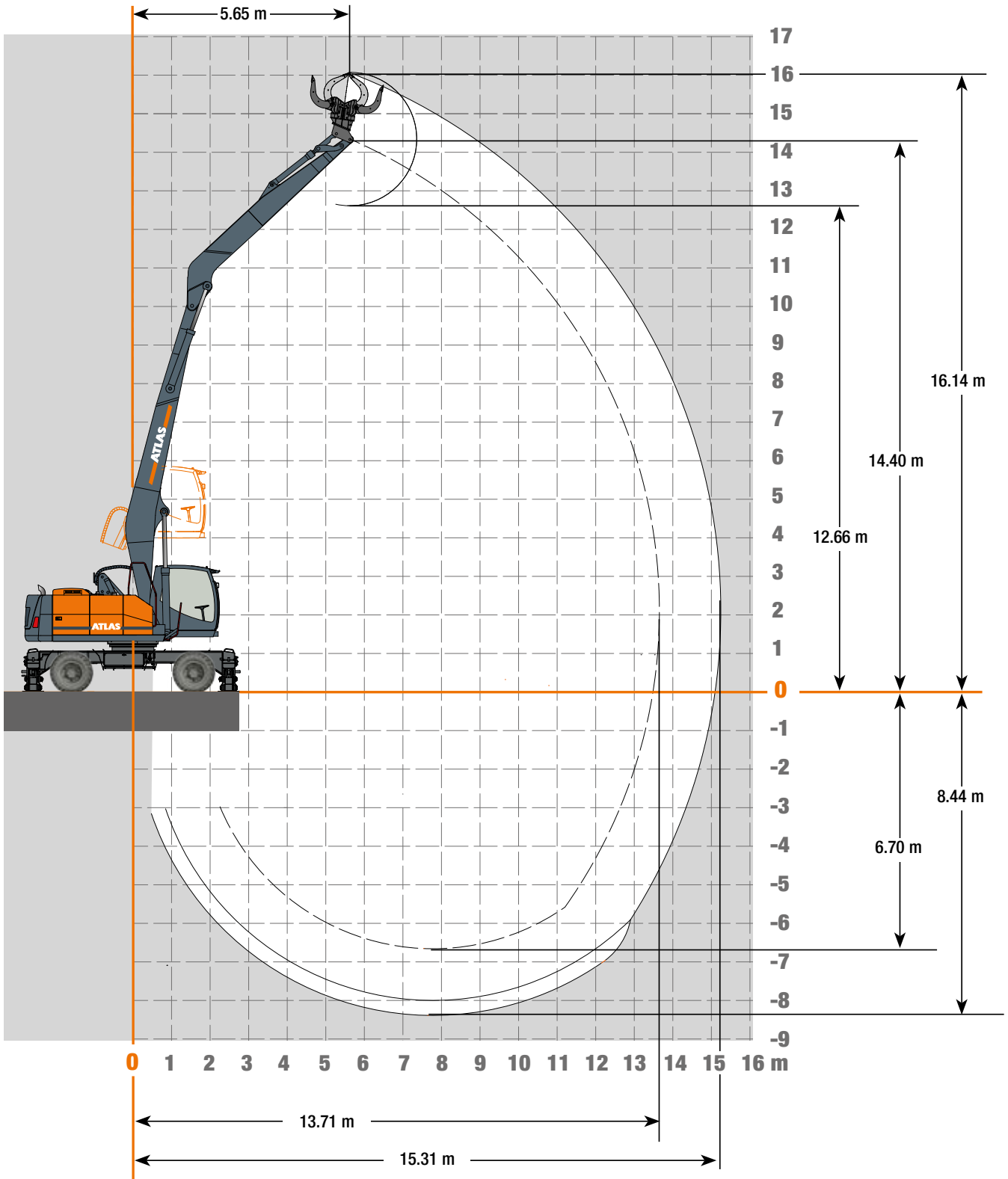
Lifting Capacities Loading boom 8.00 m (C25.6i) and stick 6.00 m (D25.16i)

Lifting Capacities Loading Boom 8.00 m (C25.6i) with stick 6.00 m (D25.16i). Max reach 14.67 m									
HEIGHT	Undercarriage type		4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	12.0 m	13.5 m
+12.0 m	FRONT 	SDB supported			6321	5829			
	LATERAL 	SDB raised			5916*	4256*			
+10.5 m	FRONT 	SDB supported				5658	5286		
	LATERAL 	SDB raised				4375*	3262*		
+9.0 m	FRONT 	SDB supported			6177	5647	5214	4275	
	LATERAL 	SDB raised			5998*	4384*	3311*	2515*	
+7.5 m	FRONT 	SDB supported			6411	5775	5259	4816	
	LATERAL 	SDB raised			5882*	4317*	3286*	2544*	
+6.0 m	FRONT 	SDB supported		7916	6817	6008	5378	4831*	
	LATERAL 	SDB raised		7916	5669*	4186*	3211*	2515*	
+4.5 m	FRONT 	SDB supported	8509	8850	7335	6300	5530	4767*	3919*
	LATERAL 	SDB raised	8509	7677*	5372*	4006*	3102*	2456*	1962*
+3.0 m	FRONT 	SDB supported	8509	8850	7214*	5388*	4204*	3370*	2742*
	LATERAL 	SDB raised	8060*	5170*	3642*	2696*	2052*	1581*	1215*
+1.5 m	FRONT 	SDB supported	13350	9827	7860	6587	5672	4686*	3890*
	LATERAL 	SDB raised	11036*	7050*	5027*	3800*	2976*	2382*	1935*
+0 m	FRONT 	SDB supported	13350	9723*	6848*	5171*	4072*	3294*	2714*
	LATERAL 	SDB raised	6910*	4612*	3326*	2504*	1933*	1511*	1189*
-1.5 m	FRONT 	SDB supported	3603	10526	8247	6788	5637*	4604*	3859*
	LATERAL 	SDB raised	3603	6459*	4693*	3598*	2850*	2307*	1906*
-3.0 m	FRONT 	SDB supported	3603	9080*	6492*	4959*	3941*	3216*	2685*
	LATERAL 	SDB raised	3603	4085*	3020*	2315*	1814*	1440*	1161*
-4.5 m	FRONT 	SDB supported	2685	10697	8365	6824	5517*	4543*	3839*
	LATERAL 	SDB raised	2685	6029*	4425*	3427*	2743*	2251*	1888*
-1.5 m	FRONT 	SDB supported	2685	8613*	6207*	4779*	3829*	3158*	2666*
	LATERAL 	SDB raised	2685	3703*	2774*	2156*	1713*	1387*	1144*
-3.0 m	FRONT 	SDB supported	3349	9225	8149	6639	5445*	4508*	
	LATERAL 	SDB raised	3349	5813*	4261*	3317*	2678*	2219*	
-4.5 m	FRONT 	SDB supported	3349	8377*	6033*	4664*	3761*	3125*	
	LATERAL 	SDB raised	3349	3509*	2625*	2054*	1651*	1356*	
-3.0 m	FRONT 	SDB supported	4447	9302	7555	6165	5035	3964	
	LATERAL 	SDB raised	4447	5752*	4198*	3270*	2653*	2221*	
-4.5 m	FRONT 	SDB supported	4447	8311*	5965*	4615*	3736*	3127*	
	LATERAL 	SDB raised	4447	3455*	2566*	2010*	1628*	1358*	
-4.5 m	FRONT 	SDB supported	5735	7956	6534	5326	4218	2912	
	LATERAL 	SDB raised	5735	5800*	4214*	3283*	2677*	2275*	
-4.5 m	FRONT 	SDB supported	5735	7956	5982*	4628*	3760*	2912	
	LATERAL 	SDB raised	5269*	3498*	2581*	2022*	1650*	1410*	

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 (D25.16is)



LIFTING CAPACITIES 270MH

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

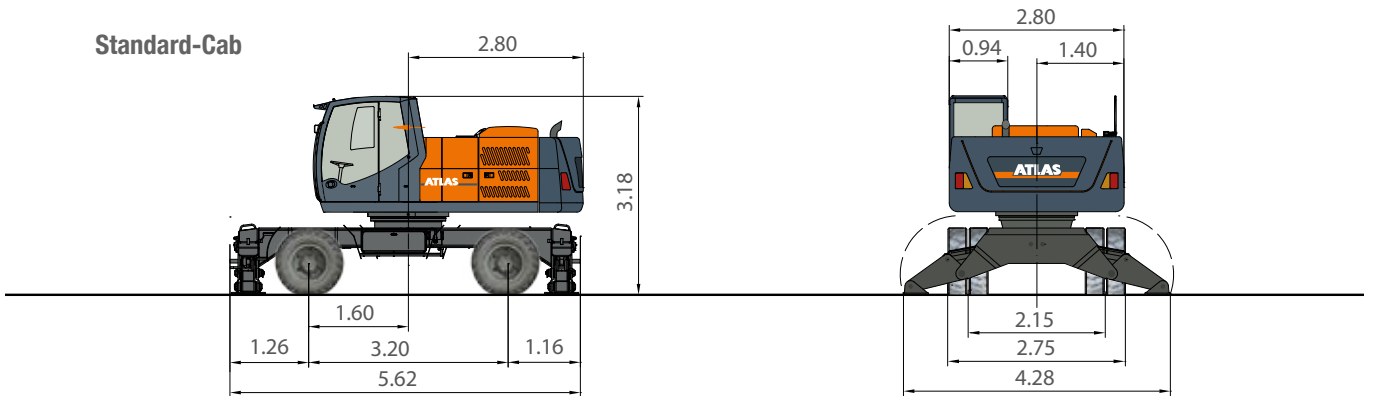
Lifting Capacities Loading Boom 8.00 m (C25.6i) with stick 6.00 m (D25.16is). Max reach 15.31 m									
HEIGHT	Undercarriage type		4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	12.0 m	13.5 m
+13.5 m	FRONT 	SDB supported			6077				
	LATERAL 	SDB raised			5649*				
+12.0 m	FRONT 	SDB supported			6342	5899			
	LATERAL 	SDB raised			5920*	4276*			
+10.5 m	FRONT 	SDB supported				5688	5328		
	LATERAL 	SDB raised				4390*	3288*		
+9.0 m	FRONT 	SDB supported			6194	5677	5253	4366	
	LATERAL 	SDB raised			5999*	4399*	3335*	2547*	
+7.5 m	FRONT 	SDB supported			6434	5809	5300	4862	
	LATERAL 	SDB raised			5888*	4334*	3310*	2574*	
+6.0 m	FRONT 	SDB supported		7936	6849	6048	5422	4859*	
	LATERAL 	SDB raised		7936	5683*	4209*	3239*	2547*	
+4.5 m	FRONT 	SDB supported	8594	8893	7381	6348	5580	4798*	3952*
	LATERAL 	SDB raised	8594	7698*	5399*	4037*	3135*	2490*	1998*
+3.0 m	FRONT 	SDB supported	13441	9898	7922	6645	5728	4721*	3924*
	LATERAL 	SDB raised	11102*	7098*	5069*	3840*	3014*	2420*	1973*
+1.5 m	FRONT 	SDB supported	3687	10624	8325	6856	5677*	4642*	3895*
	LATERAL 	SDB raised	3687	6532*	4750*	3646*	2893*	2348*	1945*
+ 0 m	FRONT 	SDB supported	2772	10814	8456	6901	5563*	4584*	3876*
	LATERAL 	SDB raised	2772	6122*	4493*	3482*	2791*	2295*	1928*
-1.5 m	FRONT 	SDB supported	3436	9305	8249	6722	5495*	4551*	
	LATERAL 	SDB raised	3436	5916*	4337*	3378*	2729*	2264*	
-3.0 m	FRONT 	SDB supported	4534	8483*	6109*	4724*	3812*	3169*	
	LATERAL 	SDB raised	4534	3609*	2700*	2115*	1704*	1403*	
-4.5 m	FRONT 	SDB supported	4534	8421*	6045*	4678*	3788*	3171*	
	LATERAL 	SDB raised	4534	3559*	2645*	2074*	1683*	1405*	
-6.0 m	FRONT 	SDB supported	5821	8087	6638	5412	4292	2975	
	LATERAL 	SDB raised	5821	5906*	4294*	3347*	2729*	2319*	
	FRONT 	SDB supported	5821	8087	6063*	4691*	3812*	2975	
	LATERAL 	SDB raised	5413*	3601*	2660*	2086*	1704*	1455*	
	FRONT 	SDB supported		6114	5117	4087	2900		
	LATERAL 	SDB raised		6039*	4381*	3421*	2815*		
	FRONT 	SDB supported		6114	5117	4087	2900		
	LATERAL 	SDB raised		3719*	2740*	2155*	1785*		

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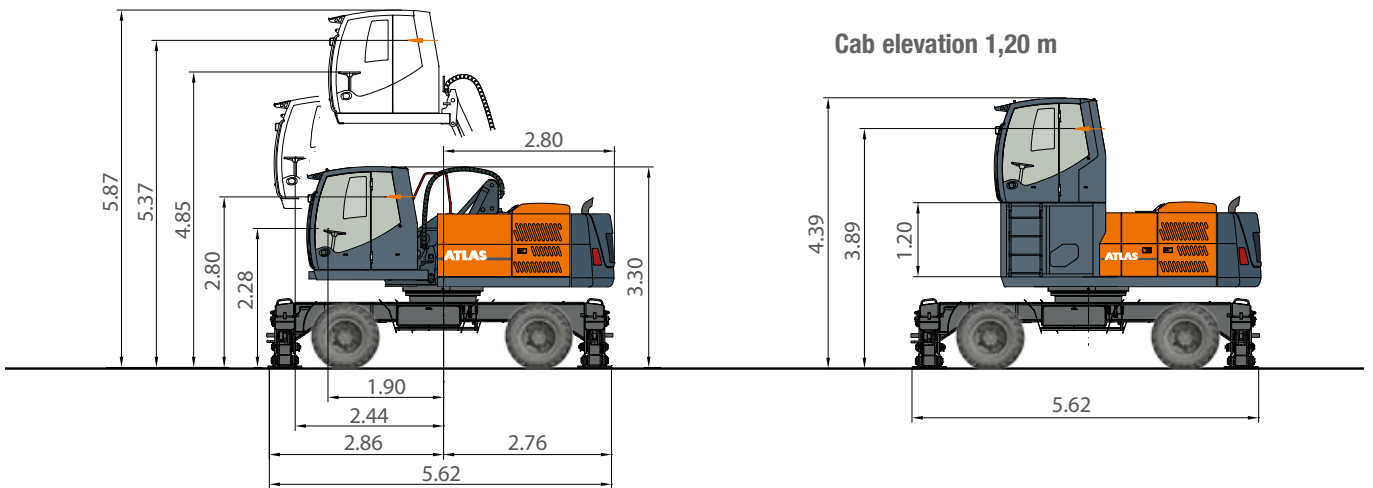
DIMENSION 270MH

Dimensions [m]

Standard-Cab



Lift-Cab

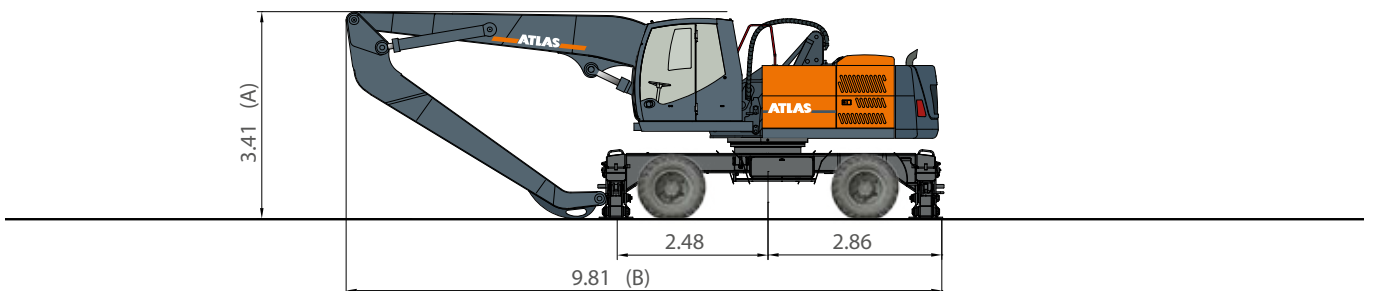


A TRANSPORT HEIGHT

- 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



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