



ATLAS

SINCE 1919

**STABLE.
STRONG.
STEADY.**

-  33.3 - 38 t
-  180 kW (245 HP)
-  13.5 - 18.2 m



MATERIAL HANDLING MACHINE 350MH

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TECHNICAL SPECIFICATION 350MH

Technical Specification

ENGINE

Power according to ISO 14396 180 kW (245 HP)	Cylinder capacity 6100 cm ³	Air filter Dry air filter
RPM 1900/min ⁻¹	Number of cylinders 6	Battery 2x 12V / 100 Ah
Make Deutz TCD 6.1 L6 EU Stage V	Borehole/lift 101/126	Alternator 28 V / 100 A
Design Turbocharger / intercooler	Cooling system Water-cooled	Starter 24 V / 5.5 kW

HYDRAULIC SYSTEM

• AWE 4 system (load sensing)	• Suction valves for all work functions	• Temperature-controlled fan for cooler
• Load-limit-controlled high-performance piston pumps	• Load-retaining and fine-drop valve in lifting circuit	
• Fuel-efficient required power regulation	• Pipe-break protection valves for lifting cylinders	• Max. oil flow 630 l/min
• Sensitive, proportional, independent control	• Grab and grab-rotating function	• Max. operating pressure 340 bar
• Primary and secondary protection against overload	• 2 additional circuits for additional consumer loads possible	• Operating modes: 3 pre-programmed modes (Fine, Eco, Power)

SWING ASSEMBLY

• Swing motor:	Axial piston motor with priority valve	• Max. swing speed 8.5/min
• Swing gear:	Planetary transmission	• Swing torque 103.38 kNm
• Swing brakes:	Automatic swing brakes	

TRACTION DRIVE AND BRAKES

• Variable displacement motor	• Maximum speed 16 km/h	• All-wheel drive
• 2-gear transmission	• Terrain speed 5 km/h	• Dual circuit brake system Multi-disc
• Double-acting brake valve	• Crawling speed 1 km/h	• Parking brake spring-loaded brake
• Driving direction pre-selection via joystick		

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 425 Liter	• Engine oil 15 Liter	• Hydraulics system 970 Liter
• Cooling system 48 Liter	• Hydraulic tank 505 Liter	• AdBlue [®] tank 32 Liter

DRIVER'S CAB

• Meets latest safety standards	CONTROL:	SOUND LEVELS:
• Extra-wide entrance	• Ergonomic joysticks with proportional slide control	• ISO 6396 (LpA) in driver's cab 70 dB(A)
• Spacious leg room	• Slim steering column, height and tilt adjustable	• 2000/14EG (LwA) based on ambience level 104 dB(A)
• Excellent circumferential visibility	• Clear arrangement of control switches	
• Preparation for radio installation		
	CLIMATE CONTROL:	
DRIVER'S SEAT:	• Climatronic as standard	
• Comfort seat with headrest	• Very good air distribution	
• Arm rests and lumbar support		
• Seat adjustable separately from console		

WORKING EQUIPMENT 350MH

Working Equipment

OPERATING WEIGHTS

	LOADING BOOM 9.45 m (C84.6i)	LOADING BOOM 10.60 m (C84.7i)
	Stick 6.90 m (D84.16i)	Stick 7.75 m (D84.17i)
4 outriggers	36.1 t	37.4 t

Operating weight with driver, solid rubber tyres, completely filled implement and 1.5 t for attachments

EQUIPMENT

BASIC DEVICE ATLAS 350MH

- 350MH material handler with quadruple outrigger support and 2 lifting cylinders (A 84.32)

Standard equipment:

- Engine:**
 - Automatic idle
 - Diesel pre-filter
 - Engine monitoring
 - Diesel particulate filters

Cab:

- Air conditioning with automatic control
- Preparation for radio installation
- Slim steering column, height and tilt adjustable
- Seat adjustable separately from console

Booms:

- Loading boom 9.45 m (C84.6i)
- Loading boom 10.60 m (C84.7i)

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-position damping
- Electrical central lubrication

Equipment:

- Combined lubricating points for swing bearing and arm equipment

Sticks:

- Stick 6.90 m (D 84.16i)
- Stick 7.70 m (D 84.17i)
- Stick 4,40 m (D84.13iS)

Undercarriage:

- Wet disc brakes

*further executions on request

ADDITIONAL EQUIPMENT

Engine:

- Refueling pump
- Auxiliary heating
- Cold startup assistance
- Deutz TCD 7.4 L6 com IIIa

Cab:

- Cab protection guard
- Beacon light
- Cabin with sliding door and connected catwalk
- Heated driver's seat
- Radio CD/MP3, front AUX in, USB

Counterweight:

- 7.3 tons
- 8.2 tons

Hydraulics:

- Hydraulic kit, to operate front and rear supports separately
- Hydraulic kit, to operate supports per axle separately
- Bio oil

- Lift Cab – 2.7 m + 600 mm height

Undercarriage:

- Solid rubber tyres
- Tool box in the undercarriage

- Cab elevation 0.6 m / 1.20 m / 1.50 m / 2 m
- Vario cab elevated 2 m high and 2 m forwards
- LED working lights

New cabin with sliding door:

- All in connected catwalk and even optimized ascent for the undercarriage

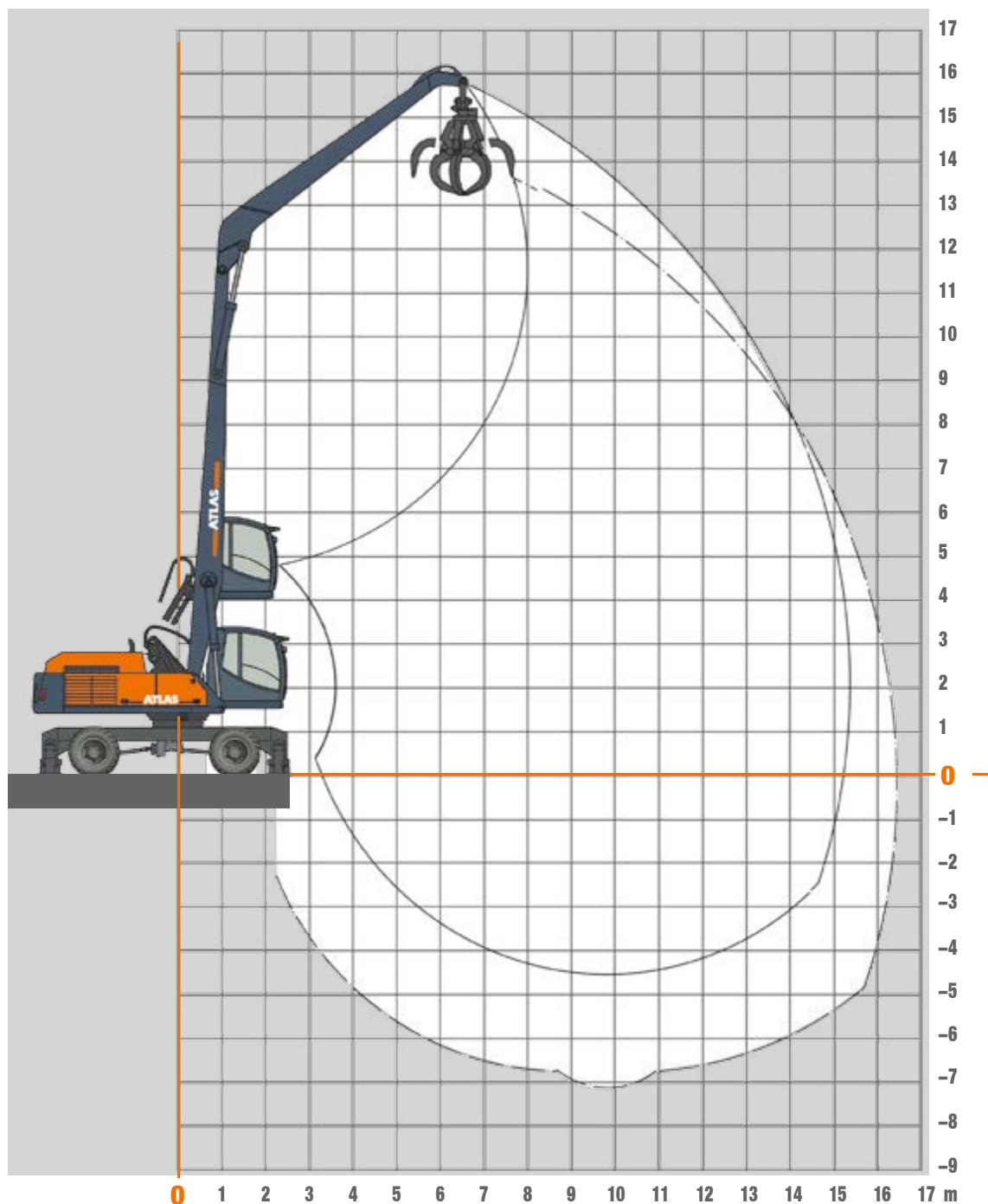
Other special equipment: See price list

ATTACHMENTS

- | | | |
|--------------------|-----------------------|----------------|
| • Clamshell grab | • Load hook | • Log grab |
| • Orange peel grab | • Load lifting magnet | • Sorting grab |

WORKING RANGES 350MH

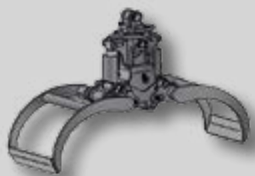
Working ranges Loading boom 9.45 m (C84.6i) and Stick 6.90 m (D84.16i)



Attachments



Load hook



Log grab



Clamshell grab



Orange peel grab



Load lifting magnet

LIFTING CAPACITIES 350MH

Lifting Capacities Loading boom 9.45 m (C84.6i) and Stick 6.90 m (D84.16i)

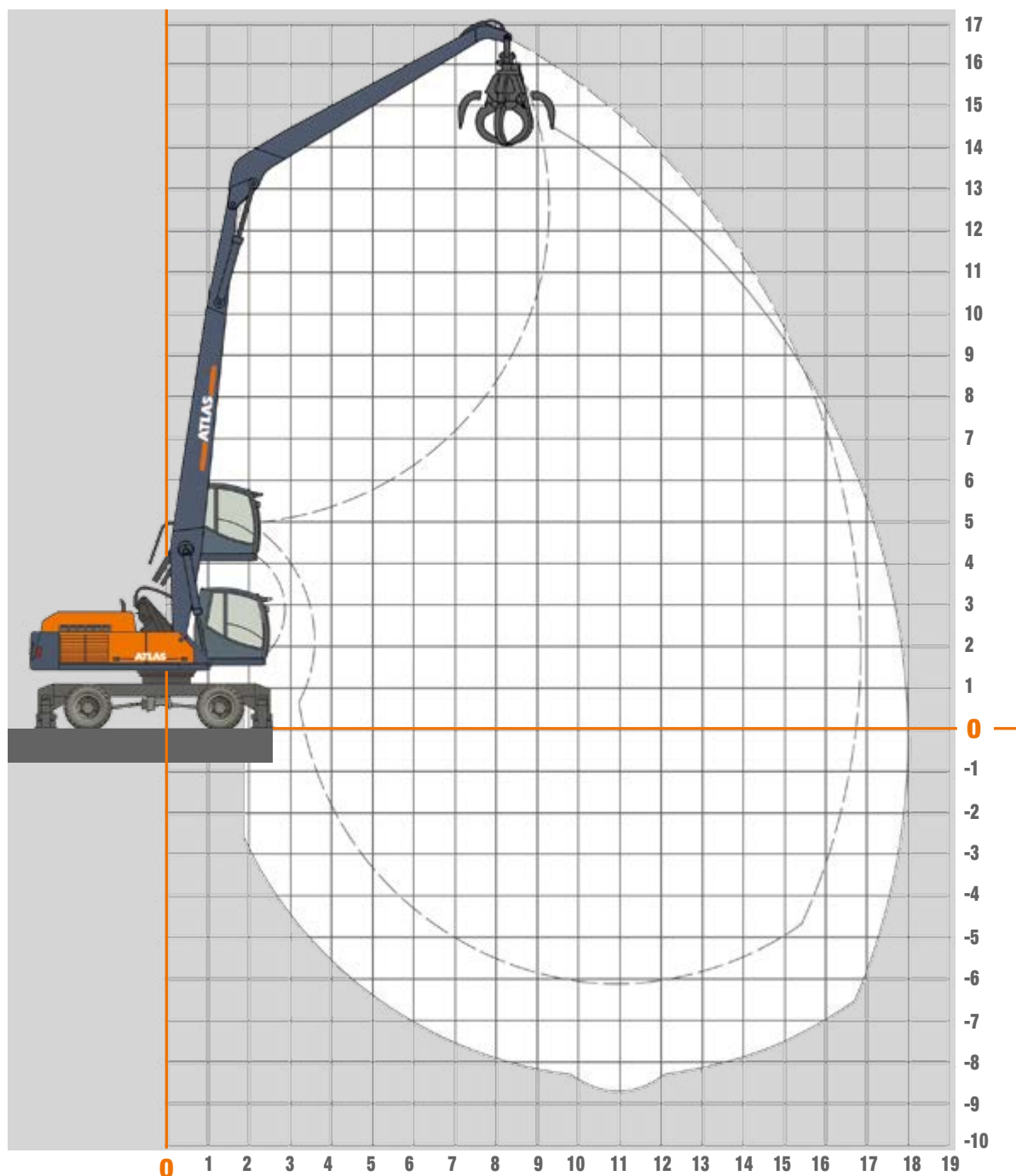
We recommend the 7.3 ton counterweight here

Lifting Capacities, Loading boom 9.45 m (C84.6i) with Stick 6.90 m (D84.16i). Max. reach 16.50 m													
HEIGHT	Undercarriage position		5.0 m	6.0 m	7.0 m	8.0 m	9.0 m	10.0 m	11.0 m	12.0 m	13.0 m	14.0 m	15.0 m
+15.0 m	FRONT 	outriggers down				7128							
		outriggers up				7128							
	LATERAL 	outriggers down				7128							
		outriggers up				5385*							
+13.5 m	FRONT 	outriggers down				6874	6338	5897					
		outriggers up				6874	6338	5897*					
	LATERAL 	outriggers down				6874	6338	5897					
		outriggers up				5583*	4553*	3745*					
+12.0 m	FRONT 	outriggers down				6774	6245	5801	5420				
		outriggers up				6774	6245	5801	5063*				
	LATERAL 	outriggers down				6774	6245	5801	5420				
		outriggers up				5660*	4632*	3833*	3191*				
+10.5 m	FRONT 	outriggers down				6804	6260	5800	5402	5049			
		outriggers up				6804	6260	5800	5086*	4350*			
	LATERAL 	outriggers down				6804	6260	5800	5402	5049			
		outriggers up				5645*	4625*	3839*	3213*	2699*			
+9.0 m	FRONT 	outriggers down				6956	6370	5874	5446	5068	4724		
		outriggers up				6956	6370	5874	5045*	4332*	3744*		
	LATERAL 	outriggers down				6956	6370	5874	5446	5068	4478*		
		outriggers up				5540*	4544*	3780*	3175*	2682*	2269*		
+7.5 m	FRONT 	outriggers down			8032	7221	6560	6007	5535	5122	4750	4401	
		outriggers up			8032	7221	6560	5810*	4953*	4267*	3705*	3232*	
	LATERAL 	outriggers down			8032	7221	6560	6007	5535	5087*	4438*	3894*	
		outriggers up			6635*	5343*	4393*	3665*	3089*	2621*	2233*	1901*	
+6.0 m	FRONT 	outriggers down		9778	8529	7569	6804	6177	5648	5191	4784	4408	
		outriggers up		9778	8529	7569	6675*	5631*	4818*	4168*	3634*	3187*	
	LATERAL 	outriggers down		9778	8529	7569	6804	6177	5648	4986*	4366*	3848*	
		outriggers up		7959*	6251*	5057*	4176*	3500*	2964*	2529*	2166*	1859*	
+4.5 m	FRONT 	outriggers down	12796	10612	9081	7943	7060	6348	5758	5254	4809	4400	3998
		outriggers up	12796	10612	9081	7669*	6383*	5413*	4655*	4045*	3544*	3124*	2764*
	LATERAL 	outriggers down	12796	10612	9081	7943	7060	6348	5577*	4860*	4273*	3783*	3367*
		outriggers up	9501*	7243*	5754*	4699*	3911*	3300*	2813*	2414*	2081*	1799*	1554*
+3.0 m	FRONT 	outriggers down	13914	11319	9545	8252	7263	6477	5830	5281	4799	4357	3925
		outriggers up	13914	11165*	8835*	7235*	6069*	5179*	4479*	3912*	3444*	3051*	2718*
	LATERAL 	outriggers down	13914	11319	9545	8252	7263	6235*	5397*	4724*	4171*	3709*	3320*
		outriggers up	8223*	6440*	5210*	4311*	3625*	3086*	2650*	2290*	1988*	1730*	1510*
+1.5 m	FRONT 	outriggers down	5456	11589	9748	8388	7343	6510	5825	5242	4728	4256	3786
		outriggers up	5456	10340*	8270*	6831*	5771*	4956*	4309*	3783*	3347*	2982*	2673*
	LATERAL 	outriggers down	5456	11589	9748	8311*	7000*	6004*	5222*	4591*	4072*	3640*	3273*
		outriggers up	5456	5738*	4715*	3949*	3355*	2880*	2492*	2169*	1896*	1665*	1467*
0 m	FRONT 	outriggers down	4462	9653	9570	8264	7234	6399	5702	5103	4568	4064	3547
		outriggers up	4462	9653	7850*	6511*	5525*	4766*	4164*	3673*	3267*	2925*	2636*
	LATERAL 	outriggers down	4462	9653	9570	7978*	6745*	5809*	5074*	4480*	3990*	3581*	3235*
		outriggers up	4462	5273*	4347*	3663*	3132*	2706*	2358*	2067*	1821*	1611*	1432*
- 1.5 m	FRONT 	outriggers down		8883	8989	7845	6898	6105	5425	4825	4274	3737	
		outriggers up		8883	7609*	6308*	5360*	4635*	4060*	3594*	3208*	2885*	
	LATERAL 	outriggers down		8883	8989	7767*	6575*	5674*	4967*	4398*	3930*	3541*	
		outriggers up		5044*	4135*	3481*	2982*	2585*	2262*	1993*	1766*	1574*	
- 3.0 m	FRONT 	outriggers down		9003	8005	7093	6287	5577	4942	4358	3796	3212	
		outriggers up		9003	7503*	6204*	5268*	4557*	3999*	3548*	3178*	2871*	
	LATERAL 	outriggers down		9003	8005	7093	6287	5577	4904*	4351*	3796	3212	
		outriggers up		4969*	4042*	3388*	2898*	2514*	2205*	1950*	1737*	1560*	
- 4.5 m	FRONT 	outriggers down						4771					
		outriggers up						4535*					
	LATERAL 	outriggers down						4771					
		outriggers up						2494*					

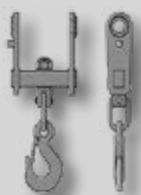
The specified max. loading capacities in kilogrammes (kg) include a stability of 25% or are calculated at 87% of the hydraulic lifting power, as per ISO10567. These values are applicable at the tip of the arm with optimum positioning of the corresponding arm system. Weights of attached load carrying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

WORKING RANGES 350MH

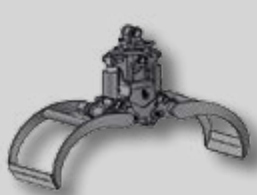
Working ranges Loading boom 10.60 m (C84.7i) and Stick 7.70 m (D84.17i)



Attachments



Load hook



Log grab



Clamshell grab



Orange peel grab



Load lifting magnet

LIFTING CAPACITIES 350MH

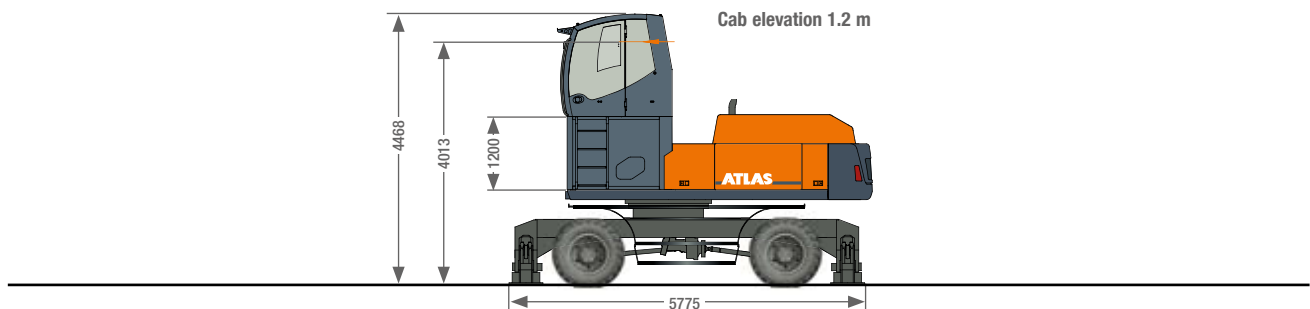
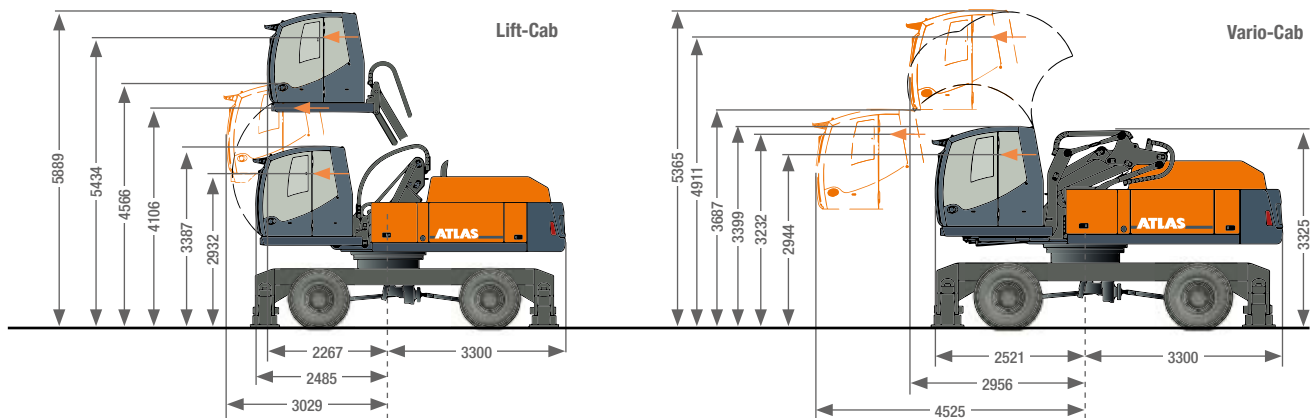
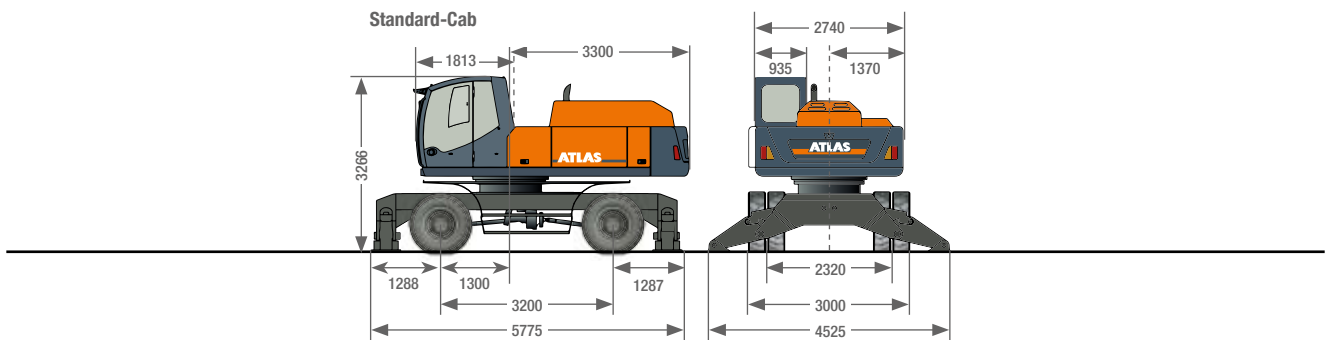
Lifting Capacities Loading boom 10.60 m (C84.7i) and Stick 7.70 m (D84.17i)
We recommend the 8.2 ton counterweight here

Lifting Capacities, Loading boom 10.60 m (C84.7i) with Stick 7.70 m (D84.17i). Max. reach 18.06 m															
HEIGHT	Undercarriage position		5.0 m	6.0 m	7.0 m	8.0 m	9.0 m	10.0 m	11.0 m	12.0 m	13.0 m	14.0 m	15.0 m	16.0 m	
+16.5 m	FRONT		outriggers down												
			outriggers up												
	LATERAL		outriggers down												
			outriggers up												
+15.0 m	FRONT		outriggers down					4899							
			outriggers up					4899							
	LATERAL		outriggers down					4899							
			outriggers up					4325*							
+13.5 m	FRONT		outriggers down					4815	4521	4269					
			outriggers up					4815	4521	4269					
	LATERAL		outriggers down					4815	4521	4269					
			outriggers up					4409*	3701*	3117*					
+12.0 m	FRONT		outriggers down					4809	4507	4244	4012				
			outriggers up					4809	4507	4244	4012				
	LATERAL		outriggers down					4809	4507	4244	4012				
			outriggers up					4420*	3720*	3148*	2669*				
+10.5 m	FRONT		outriggers down					4873	4551	4270	4022	3800			
			outriggers up					4873	4551	4270	4022	3674*			
	LATERAL		outriggers down					4873	4551	4270	4022	3800			
			outriggers up					4367*	3682*	3126*	2663*	2269*			
+9.0 m	FRONT		outriggers down					5412	4998	4645	4338	4068	3827	3607	
			outriggers up					5412	4998	4645	4338	4068	3643*	3194*	
	LATERAL		outriggers down					5412	4998	4645	4338	4068	3827	3607	
			outriggers up					5090*	4254*	3594*	3058*	2615*	2240*	1916*	
+7.5 m	FRONT		outriggers down				6218	5648	5177	4778	4436	4138	3874	3634	3411
			outriggers up				6218	5648	5177	4778	4436	4082*	3579*	3152*	2781*
	LATERAL		outriggers down				6218	5648	5177	4778	4436	4138	3874	3634	3354*
			outriggers up				5906*	4873*	4082*	3458*	2952*	2533*	2180*	1876*	1609*
+6.0 m	FRONT		outriggers down		8583	7463	6610	5937	5391	4938	4554	4223	3931	3669	3426
			outriggers up		8583	7463	6610	5937	5391	4938	4537*	3968*	3492*	3088*	2738*
	LATERAL		outriggers down		8583	7463	6610	5937	5391	4938	4554	4223	3931	3669	3311*
			outriggers up		8583	6812*	5531*	4586*	3859*	3283*	2815*	2426*	2097*	1815*	1568*
+4.5 m	FRONT		outriggers down	11481	9459	8060	7032	6243	5615	5103	4674	4308	3988	3702	3437
			outriggers up	11481	9459	8060	7032	6243	5615	5013*	4366*	3835*	3389*	3009*	2681*
	LATERAL		outriggers down	11481	9459	8060	7032	6243	5615	5103	4674	4308	3988	3631*	3252*
			outriggers up	10078*	7741*	6187*	5078*	4246*	3599*	3080*	2656*	2301*	2000*	1741*	1514*
+3.0 m	FRONT		outriggers down	3748	10239	8596	7412	6518	5816	5248	4777	4377	4030	3720	3433
			outriggers up	3748	10239	8596	7412	6444*	5516*	4782*	4187*	3694*	3278*	2924*	2617*
	LATERAL		outriggers down	3748	10239	8596	7412	6518	5816	5248	4777	4377	3958*	3544*	3188*
			outriggers up	3748	6757*	5515*	4595*	3886*	3324*	2867*	2488*	2169*	1896*	1660*	1453*
+1.5 m	FRONT		outriggers down	1050	4432	8933	7668	6707	5954	5346	4842	4414	4042	3709	3399
			outriggers up	1050	4432	8620*	7158*	6072*	5231*	4560*	4012*	3556*	3170*	2839*	2553*
	LATERAL		outriggers down	1050	4432	8933	7668	6707	5954	5346	4842	4304*	3848*	3459*	3123*
			outriggers up	1050	4432	4914*	4150*	3548*	3062*	2661*	2325*	2039*	1794*	1580*	1392*
0 m	FRONT		outriggers down		3053	6735	7734	6766	5996	5368	4845	4398	4007	3654	3323
			outriggers up		3053	6735	6762*	5762*	4986*	4365*	3857*	3432*	3072*	2763*	2498*
	LATERAL		outriggers down		3053	6735	7734	6766	5996	5303*	4688*	4178*	3748*	3381*	3067*
			outriggers up		3053	4468*	3795*	3266*	2837*	2481*	2180*	1923*	1701*	1508*	1340*

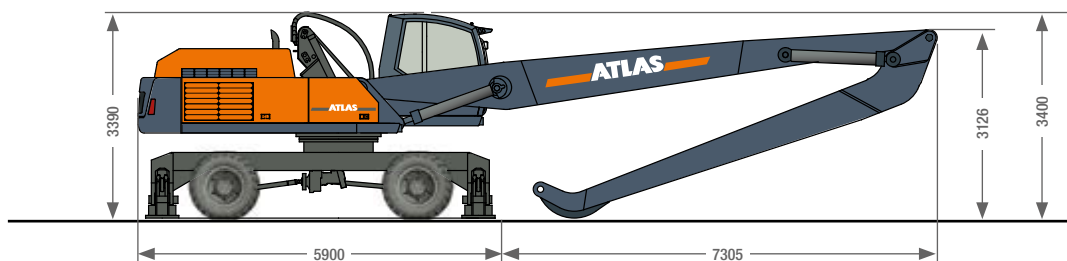
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DIMENSIONS 350MH

Dimensions



Further cabin versions on demand.



A84.32, C84.6I, D84.16I



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ATLAS
SINCE 1919

