



10
ATLAS 1919 - 2019

ATLAS
SINCE 1919

 33.3 - 38 t

 180 kW (245 HP)

EU Stage V

 13.5 - 18.2 m

**STABLE.
STRONG.
STEADY.**



**MATERIAL HANDLING
MACHINE 350MH**

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TECHNICAL SPECIFICATION 350MH

ENGINE

Power rating.....180 kW (245 HP)	Bore / cylinder stroke 101 / 126	STANDARD BASIC EQUIPMENT:	
RPM 1800/min	Cooling system Water-cooled		• Automatic idling system / Engine stop
Model..... Deutz TCD 6.1 L6 EU Stage V	Air filter..... Dry air filter		• Cold start assistance
Design.....Turbocharger / intercooler	Battery 2 x 12 V / 100 Ah		• Diesel pre-filter
Cylinder capacity 6100 cm ³	Generator28 V / 100 A		• Engine monitoring
Number of cylinders 6	Starter.....24 V / 5.5 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 flow630 l/min	F3 (Power)
• Primary and secondary protection against overload	• Max. operating pressure320 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 103.38 kNm
• Planetary transmission	• Two, two-stage valves	• Max. swing speed 8.5/min

TRACTION DRIVE AND BRAKES

• Variable displacement motor	• Automotive traveling and cruise control:	• Tractive force..... 110 kN
• Manual gearbox	• Max. speed 16 km/h	• Gradeability 33 %
• Double-acting brake valve	• Off-road speed5 km/h	• Dual-circuit brake system Drum brake
• Travel direction pre-selection via switch in joystick	• Crawling speed..... 1 km/h	• Parking brakeSpring-loaded brake

UNDERCARRIAGE

• Steering axle with automatic oscillating axle locking	• Heavy duty axles	• STD tires: Alliance 12.00-20
• Additional axis locking via left joystick	• Toolbox in undercarriage	

TIRES

OPTIONAL:

- Solid rubber, elastic 8-tyres 12.00-20

WORKING EQUIPMENT 350MH

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 73 dB(A) • 2000/14 EG (L_wA) ambience level 104 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 tank425 litres	• Engine oil..... 15 litres	• Hydraulic system.....970 litres
• Cooling system.....48 litres	• Hydraulic tank505 litres	• Ad Blue® 32 litres

OPERATING WEIGHTS

	MONOBLOCK BOOM 9.45 m (C84.6i)	MONOBLOCK BOOM 10.60 m (C84.7i)
	Stick 6.90 m (D84.16i)	Stick 7.75 m (D84.17i)
Support dozer blade		
SDB / outriggers		
4 support outriggers	36.1 t	37.4 t

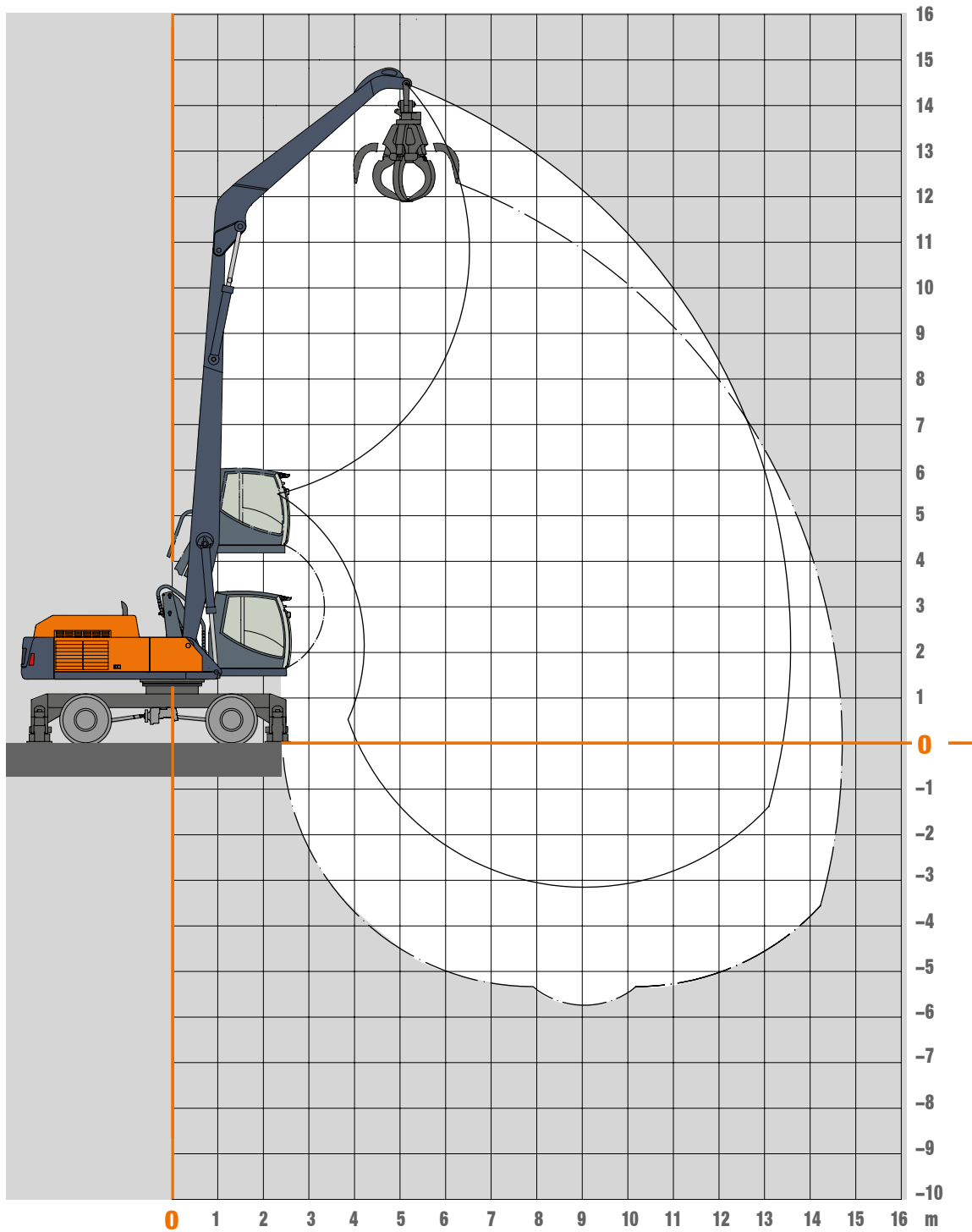
Operating weight incl. driver, fuel, lubricants and coolant plus 1.0 ton for attachments

ATTACHMENTS

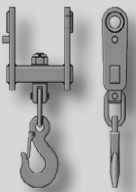
<ul style="list-style-type: none"> • Clamshell grab • Orange peel grab 	<ul style="list-style-type: none"> • Load hook • Load lifting magnet 	<ul style="list-style-type: none"> • Log grab • Sorting grab
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WORKING RANGES 350MH

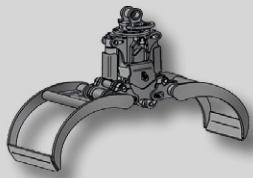
Loading boom 8.70 m (C84.5i) and Stick 5.50 m (D84.15i)



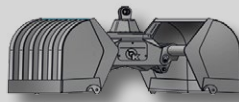
Attachments



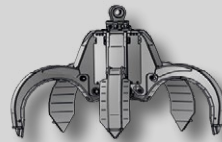
Load hook



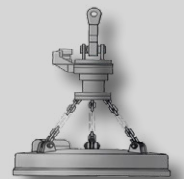
Log grab



Clamshell grab



























Orange peel grab



Load lifting magnet

LIFTING CAPACITIES 350MH

Lifting Capacities, Loading boom 8.70 m (C84.5i) with Stick 5.50 m (D84.15i). Max. reach 14.70 m. Alternative counterweight 7.3 t

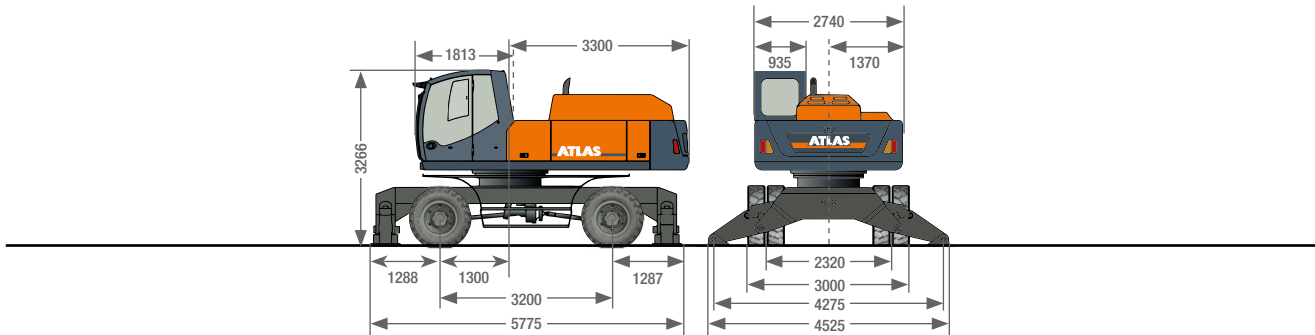
HEIGHT	Undercarriage position		4.5 m	5.5 m	6.5 m	7.5 m	8.5 m	9.5 m	10.5 m	11.5 m	12.5 m	13.5 m	
+13.5 m	FRONT 	outriggers down			9133								
		outriggers up			9133								
	LATERAL 	outriggers down			9133								
		outriggers up			7252*								
+12.0 m	FRONT 	outriggers down			8781	7979	7350						
		outriggers up			8781	7979	7350						
	LATERAL 	outriggers down			8781	7979	7350						
		outriggers up			7451*	5927*	4809*						
+10.5 m	FRONT 	outriggers down				7905	7259	6723	6266				
		outriggers up				7905	7259	6317*	5321*				
	LATERAL 	outriggers down				7905	7259	6723	6266				
		outriggers up				5973*	4869*	4026*	3353*				
+9.0 m	FRONT 	outriggers down			8888	8023	7326	6747	6250	5808			
		outriggers up			8888	8023	7326	6303*	5339*	4567*			
	LATERAL 	outriggers down			8888	8023	7326	6747	6250	5430*			
		outriggers up			7402*	5910*	4831*	4013*	3370*	2842*			
+7.5 m	FRONT 	outriggers down		10594	9297	8304	7514	6864	6312	5826			
		outriggers up		10594	9297	8304	7426*	6214*	5286*	4548*			
	LATERAL 	outriggers down		10594	9297	8304	7514	6864	6272*	5411*			
		outriggers up		9293*	7178*	5746*	4713*	3933*	3321*	2825*			
+6.0 m	FRONT 	outriggers down	13804	11503	9897	8706	7781	7035	6412	5871	5375		
		outriggers up	13804	11503	9897	8706	7220*	6069*	5185*	4483*	3909*		
	LATERAL 	outriggers down	13804	11503	9897	8706	7781	7035	6169*	5345*	4675*		
		outriggers up	11920*	8767*	6815*	5488*	4528*	3800*	3228*	2765*	2379*		
+4.5 m	FRONT 	outriggers down	15594	12567	10568	9141	8062	7210	6509	5908	5362		
		outriggers up	15594	12567	10486*	8416*	6963*	5886*	5054*	4393*	3852*		
	LATERAL 	outriggers down	15594	12567	10568	9141	8062	7025*	6034*	5252*	4616*		
		outriggers up	10701*	8039*	6340*	5161*	4296*	3632*	3107*	2680*	2325*		
+3.0 m	FRONT 	outriggers down	6722	13352	11074	9465	8262	7320	6550	5892	5297	4701	
		outriggers up	6722	12740*	9902*	8025*	6689*	5689*	4913*	4292*	3784*	3364*	
	LATERAL 	outriggers down	6722	13352	11074	9465	8036*	6822*	5889*	5148*	4547*	4051*	
		outriggers up	6722	7258*	5835*	4815*	4049*	3453*	2976*	2586*	2262*	1990*	
+1.5 m	FRONT 	outriggers down	3346	10952	11144	9517	8274	7288	6476	5778	5137	4476	
		outriggers up	3346	10952	9417*	7683*	6442*	5509*	4781*	4199*	3723*	3328*	
	LATERAL 	outriggers down	3346	10952	11144	9323*	7780*	6636*	5754*	5054*	4485*	4015*	
		outriggers up	3346	6667*	5415*	4512*	3826*	3288*	2855*	2500*	2205*	1956*	
0 m	FRONT 	outriggers down		9038	10646	9191	8015	7050	6232	5509	4821		
		outriggers up		9038	9124*	7451*	6264*	5375*	4683*	4129*	3677*		
	LATERAL 	outriggers down		9038	10646	9081*	7595*	6498*	5653*	4982*	4438*		
		outriggers up		6385*	5162*	4306*	3666*	3166*	2764*	2435*	2161*		
- 1.5 m	FRONT 	outriggers down		9823	9581	8429	7414	6529	5743	5010	4268		
		outriggers up		9823	8998*	7331*	6162*	5294*	4622*	4088*	3655*		
	LATERAL 	outriggers down		9823	9581	8429	7414	6415*	5591*	4940*	4268		
		outriggers up		6303*	5053*	4200*	3574*	3092*	2709*	2397*	2141*		
- 3.0 m	FRONT 	outriggers down					6417	5659					
		outriggers up					6131*	5268*					
	LATERAL 	outriggers down					6417	5659					
		outriggers up					3546*	3068*					

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.

DIMENSIONS 350MH

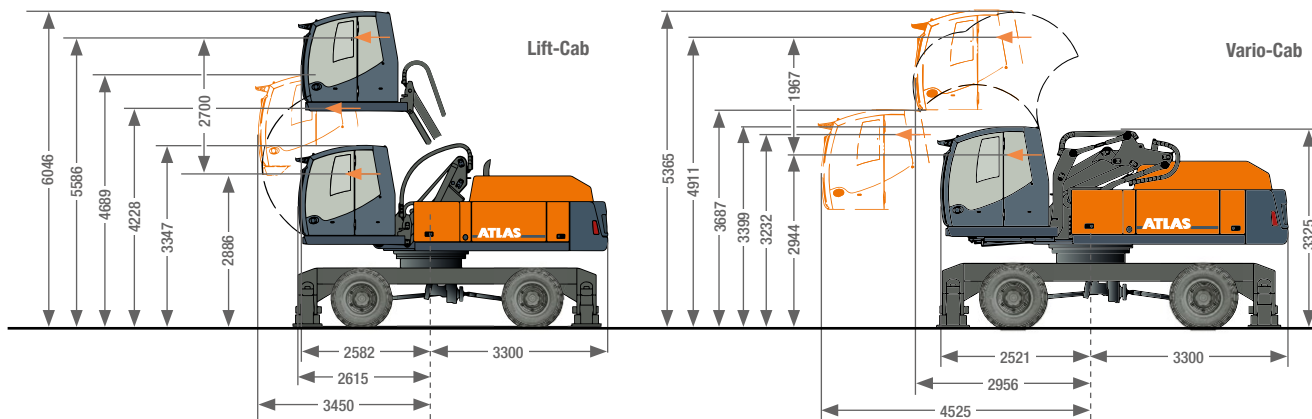
350MH Transport position

Standard-Cab

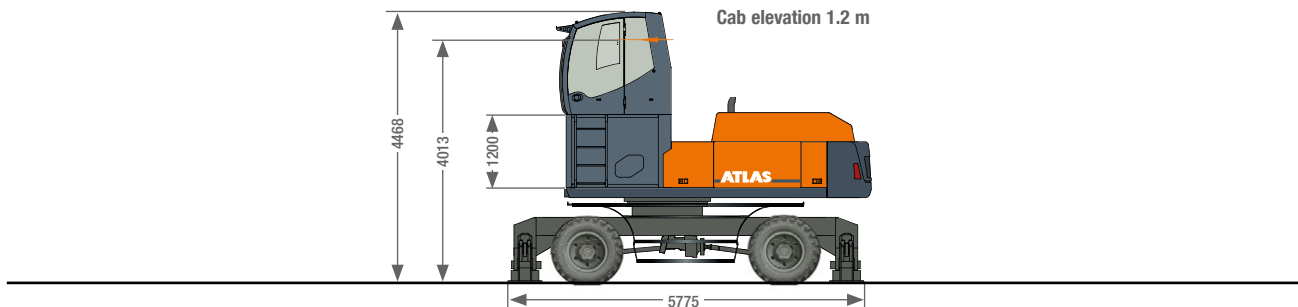


Lift-Cab

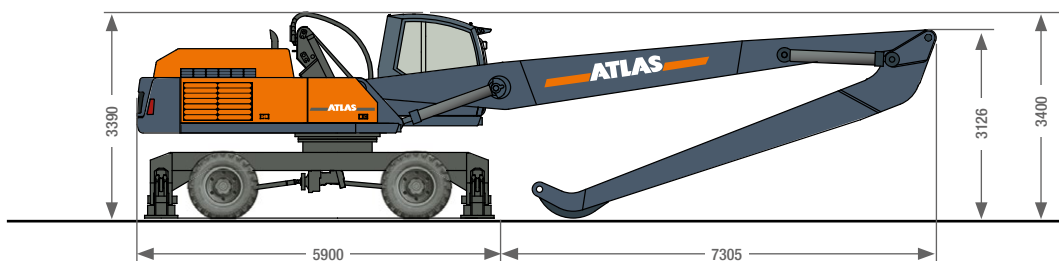
Vario-Cab



Cab elevation 1.2 m



Further cabin versions on demand.



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