



100
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

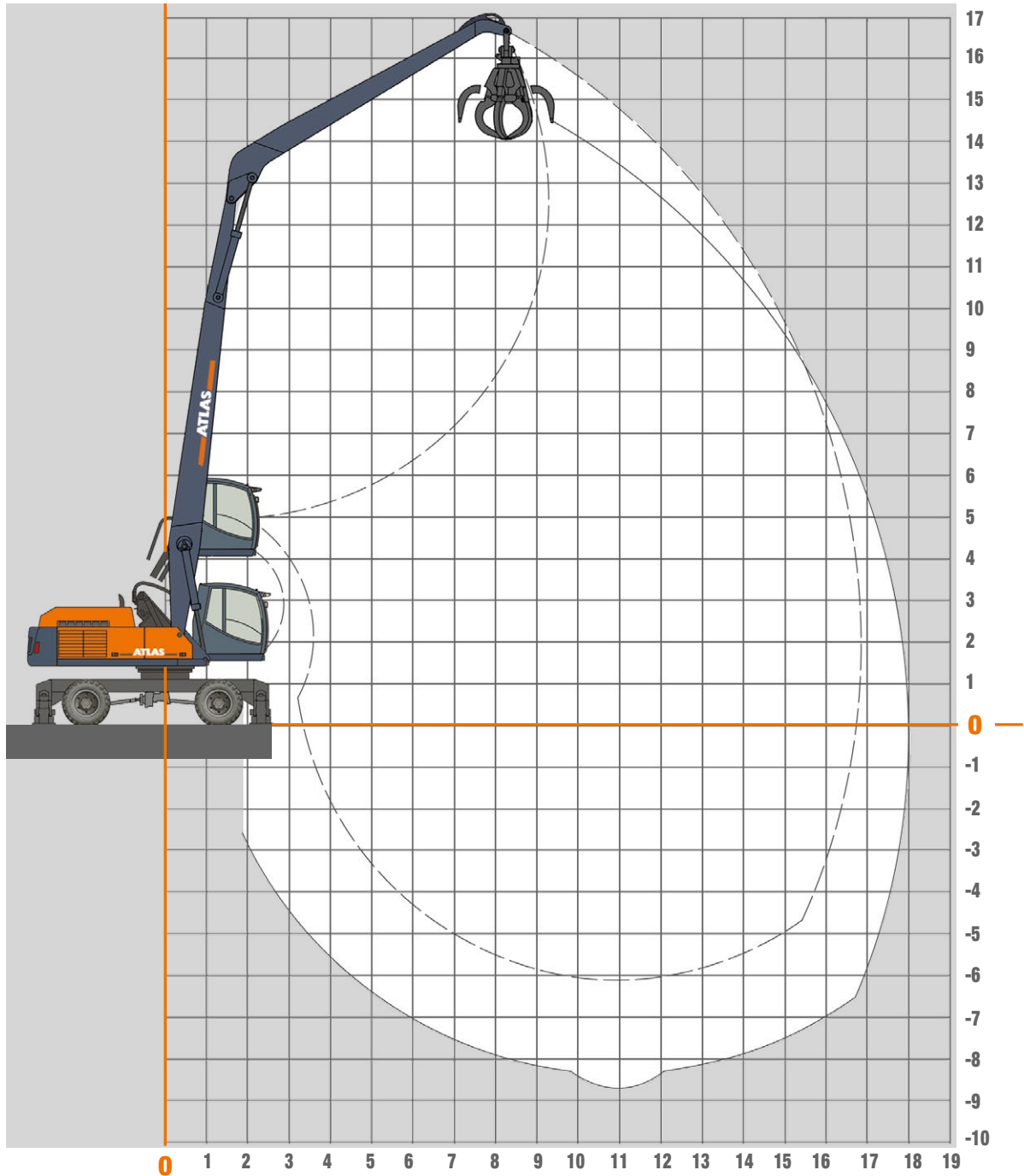
Operating weight incl. driver, fuel, lubricants and coolant plus 1.0 ton for attachments

ATTACHMENTS

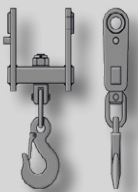
<ul style="list-style-type: none"> • Clamshell grab • Orange peel grab 	<ul style="list-style-type: none"> • Load hook • Load lifting magnet 	<ul style="list-style-type: none"> • Log grab • Sorting grab
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WORKING RANGES 350MH

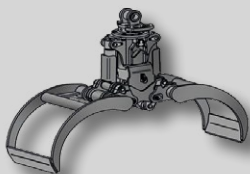
Loading boom 10.60 m (C84.7i) and Stick 7.70 m (D84.17i)



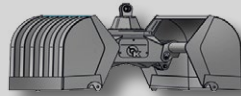
Attachments



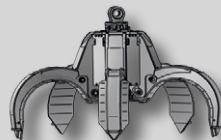
Load hook



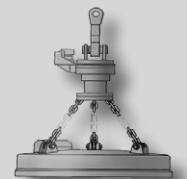
Log grab



Clamshell grab



































Orange peel grab



Load lifting magnet

LIFTING CAPACITIES 350MH

Lifting Capacities, Loading boom 10.60 m (C84.7i) with Stick 7.70 m (D84.17i). Max. reach 18.06 m. Alternative counterweight 8.2 t

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
+16.5 m	FRONT 	outriggers down				4420									
		outriggers up				4420									
	LATERAL 	outriggers down				4420									
		outriggers up				4420									
+15.0 m	FRONT 	outriggers down					4816	4468							
		outriggers up					4816	4468							
	LATERAL 	outriggers down					4816	4468							
		outriggers up					4816	4087*							
+13.5 m	FRONT 	outriggers down						4424	4118	3848					
		outriggers up						4424	4118	3848					
	LATERAL 	outriggers down						4424	4118	3848					
		outriggers up						4220*	3513*	2912*					
+12.0 m	FRONT 	outriggers down						4413	4119	3844	3595				
		outriggers up						4413	4119	3844	3595				
	LATERAL 	outriggers down						4413	4119	3844	3595				
		outriggers up						4207*	3550*	2969*	2469*				
+10.5 m	FRONT 	outriggers down						4484	4161	3853	3621	3383			
		outriggers up						4484	4161	3853	3621	3383			
	LATERAL 	outriggers down						4484	4161	3853	3621	3383			
		outriggers up						4185*	3512*	2916*	2489*	2072*			
+9.0 m	FRONT 	outriggers down						4589	4220	3932	3661	3412	3201		
		outriggers up						4589	4220	3932	3661	3412	3078*		
	LATERAL 	outriggers down						4589	4220	3,932	3661	3412	3201		
		outriggers up						4066*	3384*	2890*	2445*	2053*	1741*		
+7.5 m	FRONT 	outriggers down					5179	4715	4320	3999	3708	3440	3221		
		outriggers up					5179	4715	4320	3999	3708	3430*	3026*		
	LATERAL 	outriggers down					5179	4715	4320	3999	3708	3440	3221		
		outriggers up					4629*	3852*	3232*	2746*	2339*	1978*	1694*		
+6.0 m	FRONT 	outriggers down		7988	6884	6086	5430	4918	4454	4105	3784	3504	3237	3020	
		outriggers up		7988	6884	6086	5430	4918	4454	4105	3784	3371*	2943*	2617*	
	LATERAL 	outriggers down		7988	6884	6086	5430	4918	4454	4105	3784	3504	3237	3020	
		outriggers up		7988	6524*	5297*	4355*	3648*	3058*	2617*	2241*	1914*	1620*	1393*	
+4.5 m	FRONT 	outriggers down	10648	8734	7419	6391	5680	5083	4611	4204	3831	3621	3271	3018	2891
		outriggers up	10648	8734	7419	6391	5680	5083	4611	4204	3674*	3447*	2878*	2545*	2392*
	LATERAL 	outriggers down	10648	8734	7419	6391	5680	5083	4611	4204	3831	3621	3271	3018	2853*
		outriggers up	9751*	7426*	5927*	4779*	3999*	3376*	2869*	2454*	2082*	1852*	1553*	1327*	1222*
+3.0 m	FRONT 	outriggers down	11564	9262	7764	6673	5849	5216	4713	4251	3902	3576	3277	3005	2873
		outriggers up	11564	9262	7764	6673	5849	5216	4631*	4012*	3558*	3145*	2783*	2475*	2335*
	LATERAL 	outriggers down	11564	9262	7764	6673	5849	5216	4713	4251	3902	3576	3277	2955*	2796*
		outriggers up	7984*	6330*	5115*	4264*	3584*	3047*	2631*	2249*	1963*	1699*	1464*	1262*	1167*
+1.5 m	FRONT 	outriggers down	11727	9619	8059	6894	6014	5339	4767	4308	3914	3570	3253	2961	2823
		outriggers up	11727	9619	8059	6894	5871*	5057*	4379*	3856*	3399*	3022*	2689*	2400*	2275*
	LATERAL 	outriggers down	11727	9619	8059	6894	6014	5339	4767	4308	3914	3570	3208*	2878*	2735*
		outriggers up	6539*	5410*	4506*	3793*	3242*	2790*	2401*	2095*	1816*	1584*	1376*	1191*	1112*
0 m	FRONT 	outriggers down	11286	9456	8024	6856	6,038	5339	4746	4279	3861	3516	3203	2894	2744
		outriggers up	11286	9456	7774*	6430*	5524*	4775*	4154*	3666*	3264*	2904*	2613*	2349*	2232*
	LATERAL 	outriggers down	11286	9456	8024	6856	6038	5339	4746	4279	3869	3470*	3132*	2827*	2693*
		outriggers up	5795*	4743*	3990*	3374*	2924*	2535*	2200*	1923*	1732*	1477*	1302*	1139*	1068*
-1.5 m	FRONT 	outriggers down	10463	8936	7713	6740	5871	5231	4675	4199	3758	3417	3084	2752	2579
		outriggers up	10463	8936	7380*	6189*	5228*	4559*	4000*	3538*	3126*	2820*	2560*	2300*	2187*
	LATERAL 	outriggers down	10463	8936	7713	6740	5871	5231	4675	4199	3745*	3385*	3084	2752	2579
		outriggers up	5537*	4391*	3660*	3132*	2671*	2338*	2049*	1799*	1569*	1397*	1244*	1092*	1026*
-3.0 m	FRONT 	outriggers down	9343	8172	7154	6343	5636	4978	4448	4013	3600	3235	2885	2537	
		outriggers up	9343	8172	7119*	5967*	5108*	4396*	3857*	3441*	3067*	2758*	2499*	2271*	
	LATERAL 	outriggers down	9343	8172	7154	6343	5636	4978	4448	4013	3600	3235	2885	2537	
		outriggers up	5473*	4264*	3466*	2951*	2548*	2198*	1925*	1707*	1507*	1338*	1193*	1065*	
-4.5 m	FRONT 	outriggers down				6492	5826	5161	4601	4143	3698	3300	2921	2550	
		outriggers up				6492	5746*	5001*	4304*	3814*	3378*	3023*	2715*	2472*	
	LATERAL 	outriggers down				6492	5826	5161	4601	4143	3698	3300	2921	2550	
		outriggers up				3458*	2960*	2460*	2121*	1875*	1651*	1465*	1301*	1170*	
-6.0 m	FRONT 	outriggers down							4032	3632	3227				
		outriggers up							4032	3632	3227				
	LATERAL 	outriggers down							4032	3632	3227				
		outriggers up							2112*	1846*	1631*				

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.