



ATLAS

SINCE 1919

-  40 - 41 t
-  180 kW (245 HP)
EU Stage V
-  13,5 - 18,1 m

**FAST.
RELIABLE.
VERSATILE.**



MATERIAL HANDLING MACHINE 400MH

WWW.ATLASGMBH.COM

ATLAS – CONSTRUCTION MACHINERY MANUFACTURER WITH TRADITION

From person to person

When Hinrich Weyhausen started selling construction and agricultural machinery in 1919, he discovered that the machines which his customers actually needed were not available. So he listened to them carefully and went about building the machines himself – exactly according to the requirements of the people who used his machines every day. He carried out pioneering work with a passion under the brand name of Atlas. His focus was always on the benefit of the machines. And nothing has changed for us in terms of this ideal today.



**Atlas will make you strong
with excellent products and
a comprehensive service.**



With highly motivated employees, a great deal of commitment and expertise ATLAS GmbH develops successful crane & excavator technologies. Numerous customers, engineers and experts all around the globe have made their contribution. The result is robust equipment to enable you to work more effectively and safely than ever before.

As our know-how grew, so too did our dealer and service network worldwide.

We can hence guarantee – in those days and today too – that we will always be on the spot when you need us.



Atlas manufactures a wide range of equipment for the construction, railroad, material handling and infrastructure industries. You will find more information on Atlas under www.atlasgmbh.com.

CONSTRUCTION



TRANSPORT



INFRASTRUCTURE



RECYCLING



CUSTOMER SATISFACTION IS OUR PRIORITY!

WE ARE COMMITTED

to providing our customers with highest quality products and services.

QUALITY STANDARDS AND CUSTOMER SATISFACTION

are measured in terms of service performance, reliability, relevance and timeliness.

OUR COMPANY'S MISSION, GOALS AND OBJECTIVES

are directed towards ongoing process improvement as a basis for strengthening our competitive position and for improving product quality and service standards.

QUALITY STANDARDS AND CUSTOMER SATISFACTION

are measured in terms of product performance and reliability.

PRODUCT RANGE

400MH





**EXTENSIVE DEALER NETWORK
EXCELLENT SERVICE
CUSTOMER FOCUSED**

TECHNICAL SPECIFICATION 400MH

ENGINE

Power rating.....180 kW (245 HP)	Bore / cylinder stroke..... 101 / 126	STANDARD BASIC EQUIPMENT:
RPM 1900/min	Cooling system Water-cooled	
Model..... Deutz TCD 6.1 L6 EU Stage V	Air filter..... Dry air filter	
Design.....Turbocharger / intercooler	Battery 2 x 12 V / 100 Ah	
Cylinder capacity..... 6000 cm ³	Generator 24 V / 55 A	
Number of cylinders 6	Starter..... 24 V / 4.8 kW	

HYDRAULIC SYSTEM

• AWE 5 system (Load sensing)	• Load-retaining and fine lowering valves in lifting circuit	• Operating modes: F1 (Fine)
• Load limit controlled high-performance pump	• Pipe break protection valves for lifting and articulated cylinders	F2 (Eco)
• Fuel-efficient flow-on-demand control	• Proportional grab and grab rotating function	F3 (Power)
• Sensitive, proportional, independent control	• 3 circuits for additional consumer loads possible	• Accumulator for emergency lowering of the arm system
• Primary and secondary protection against overload	• Max. oil flow 640 l/min	• Load-limit control
• Suction valves for all work functions	• Max. operating pressure 320 bar	• Cylinder end position damping

SWING ASSEMBLY

• Axial piston motor with priority valve	• Automatically controlled multi-disc brake	• Swing torque.....93.4 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..... 145 kN
• Manual gearbox	• Max. speed 16 km/h	• Gradeability 5.0 %
• Double-acting brake valve	• Off-road speed 5 km/h	• Dual-circuit brake system Drum brake
• Travel direction pre-selection via switch in joystick	• Crawling speed..... 1 km/h	• Parking brake Spring-loaded brake

UNDERCARRIAGE

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

WORKING EQUIPMENT 400MH

DRIVER'S CAB

• Meets latest safety standards (ROPS)	DRIVER'S SEAT:	MONITORING:
• Extra large entry zone	• Comfort seat with headrest	• Operating data display screen
• Spacious leg room	• Arm rests and lumbar support	• Automatic system for monitoring, warning and storage of data
• Radio preparation with mute function	• Seat adjustable separately from console	• Rear view security camera
• Ready for electric cooling box	• Air suspension	• Right side camera
• Different options for storage, compartment for documents	• Heated	
• Heat-absorbing glass, tinted windows	• Horizontal and vertical suspension	CLIMATE CONTROL:
• Excellent all-way visibility	• Lumbar support	• Automatic climate control
• Bottle holder		• Excellent air distribution through optimally arranged nozzles
	CONTROL:	• Refrigerant R134a
	• Ergonomic joysticks with proportional slide control	
	• Slim steering column, height and tilt adjustable	SOUND LEVELS:
	• Indicators, controls and operating switches are clearly arranged	• ISO 6396 (L _p A) in driver's cab 70 dB(A)
	• Swing axle lock in the left joystick	• 2000/14 EG (L _w A) ambience level 103 dB(A)

ADDITIONAL EQUIPMENT

• Beacon light	• Alarm-signal while driving	• Electric cooling box
• Gear protection	• Auxiliary heating with water circuit	• Radio with USB
• Cabin Sliding door	• Automatic working brake	• GPS/GSM telemetric system for monitoring of operating data, consumption, position
• Cab protection guard	• Switch hydraulic attachment kit, supports separately at front and rear	• Biodegradable oil
• Cab elevation	• Hydraulic add-on kit, switch supports axially separately	• Refueling pump
• Joystick steering	• Proportional control of supports by slide in joystick	
• 270° camera system	• Automatically controlled and monitored electric central lubrication system for uppercarriage and arm equipment	Other additional equipment: See price list
• LED working lights	• Premium Driver seat (Actimo Evolution)	Special options: upon request

FILL CAPACITIES

• Fuel tank425 litres	• Engine oil.....15.5 litres	• Hydraulic system.....970 litres
• Cooling system.....48 litres	• Hydraulic tank505 litres	• Ad Blue®32 litres

OPERATING WEIGHTS

	MONOBLOCK BOOM 10.60 m (C84.7i)	MONOBLOCK BOOM 10.60 m (C84.7i)
	Stick 6.90 m (D84.16i)	Stick 7.70 m (D84.17i)
Support dozer blade		
SDB / outriggers		
4 support outriggers		

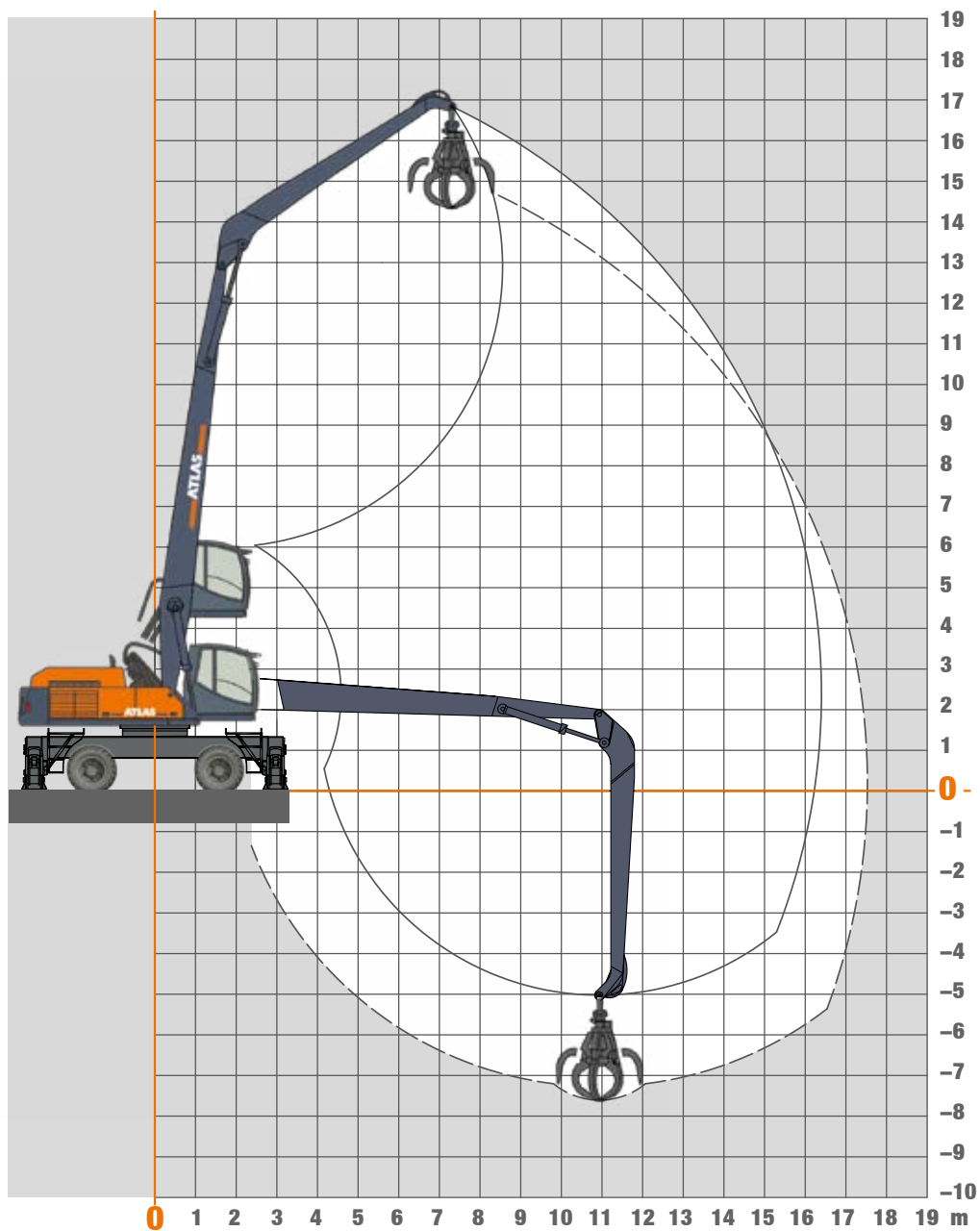
Operating weight incl. driver, fuel, lubricants and coolant plus 1.0 ton for attachments

ATTACHMENTS (SELECTION)

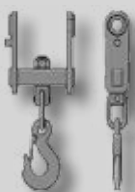
	Bucket F415	Bucket F418	Trench digger G644
Capacity SAE	0.67 m ³	0.92 m ³	0.56 m ³
Cutting width	850 mm	1100 mm	2000 mm

WORKING RANGES 400MH

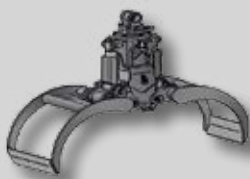
Loading boom 10.60 m (C84.7i) and stick 6.90 m (D84.16i)



Attachments



Load hook



Log grab



Clamshell grab



Orange peel grab



Load lifting magnet

LIFTING CAPACITIES 400MH

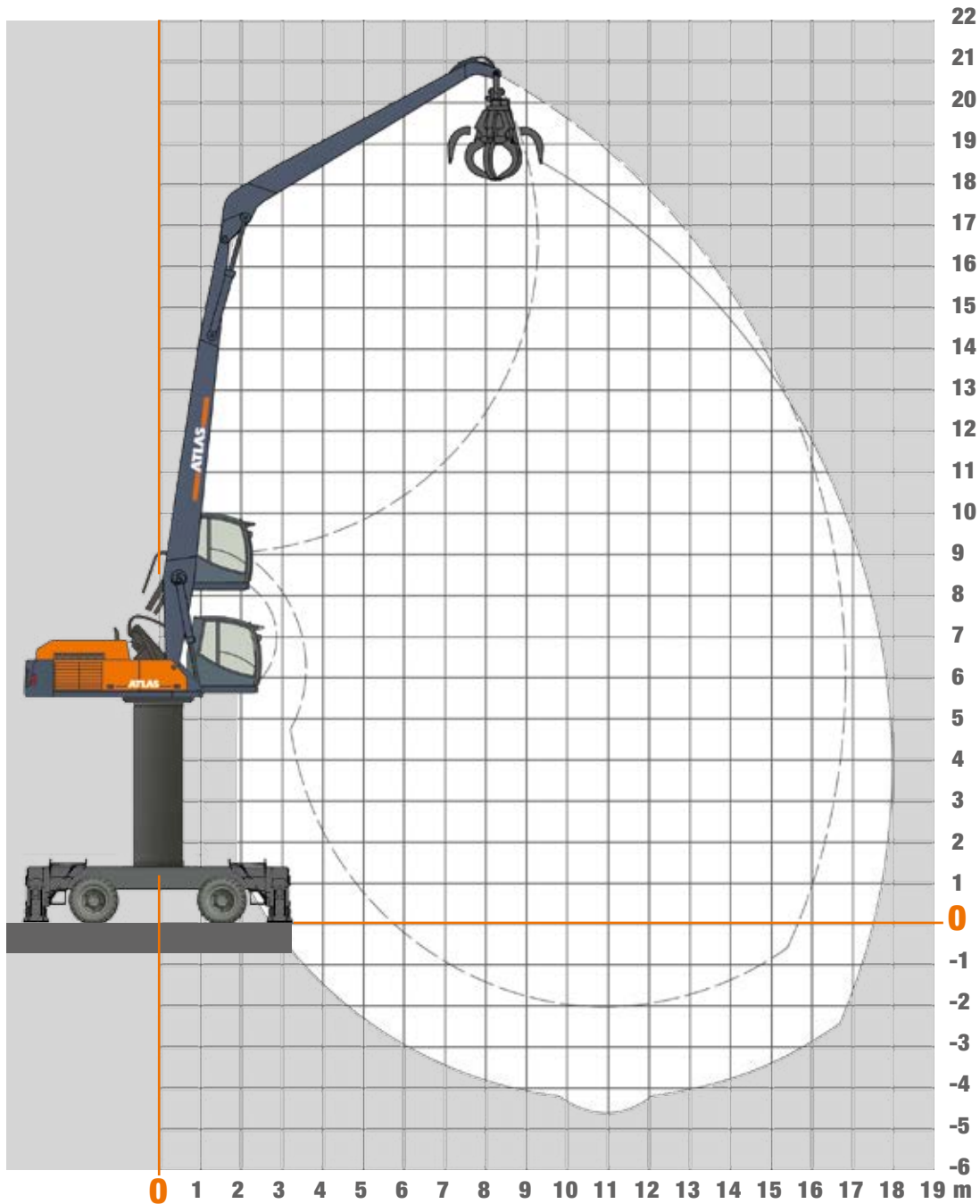
Lifting Capacities Loading boom 10.60 m (C84.7i) with stick 6.90 m (D84.16i). Max. reach 17.50 m

HEIGHT	Undercarriage position		4.0 m	6.0 m	8.0 m	10.0 m	12.0 m	14.0 m	16.0 m
15.0 m	FRONT 	outriggers down				5117			
		outriggers up				5117			
	LATERAL 	outriggers down				5117			
		outriggers up				4854*			
13.5 m	FRONT 	outriggers down				5038	4435		
		outriggers up				5038	4435		
	LATERAL 	outriggers down				5038	4435		
		outriggers up				4940*	3540*		
12.0 m	FRONT 	outriggers down				5042	4409		
		outriggers up				5042	4409		
	LATERAL 	outriggers down				5042	4409		
		outriggers up				4941*	3576*		
10.5 m	FRONT 	outriggers down				5114	4435	3913	
		outriggers up				5114	4435	3422*	
	LATERAL 	outriggers down				5114	4435	3913	
		outriggers up				4873*	3549*	2 62 9	
9.0 m	FRONT 	outriggers down			6296	5244	4500	3933	
		outriggers up			6296	5244	4453*	3394*	
	LATERAL 	outriggers down			6296	5244	4500	3933	
		outriggers up			6296	4740*	3475*	2603*	
7.5 m	FRONT 	outriggers down		8557	6619	5418	4590	3969	
		outriggers up		8557	6619	5418	4337*	3334*	
	LATERAL 	outriggers down		8557	6619	5418	4590	3969	
		outriggers up		8557	6450*	4551*	3363*	2544*	
6.0 m	FRONT 	outriggers down	14275	9337	6995	5614	4690	4011	3450
		outriggers up	14275	9337	6995	5567*	4191*	3251*	2558*
	LATERAL 	outriggers down	14275	9337	6995	5614	4690	4011	3450
		outriggers up	14275	9165*	6036*	4315*	3223*	2464*	1897*
4.5 m	FRONT 	outriggers down		10113	7360	5801	4782	4043	3437
		outriggers up		10113	7292*	5293*	4029*	3155*	2510*
	LATERAL 	outriggers down		10113	7360	5801	4782	4043	3437
		outriggers up		8189*	5569*	4054*	3067*	2372*	1850*
3.0 m	FRONT 	outriggers down		5328	7627	5941	4845	4052	3398
		outriggers up		5328	6804*	5020*	3865*	3057*	2457*
	LATERAL 	outriggers down		5328	7627	5941	4845	4052	3398
		outriggers up		5328	5110*	3793*	2910*	2276*	1799*

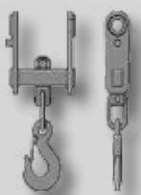
The specified max. loading capacities in tons (t) include a stability of 25% or are calculated at 87% of the hydraulic lifting power, as per ISO10567. These values are applicable at the tip of the arm with optimum positioning of the corresponding arm system. Weights of attached load carrying accessories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

WORKING RANGES 400MH

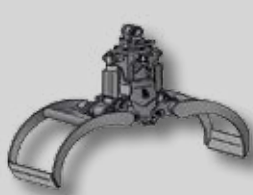
Loading boom 10.60 m (C84.7i) and stick 7.70 m (D84.17i), pylon 4.0 m



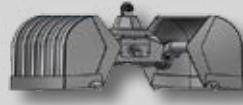
Attachments



Load hook



Log grab



Clamshell grab



Orange peel grab



Load lifting magnet

LIFTING CAPACITIES 400MH

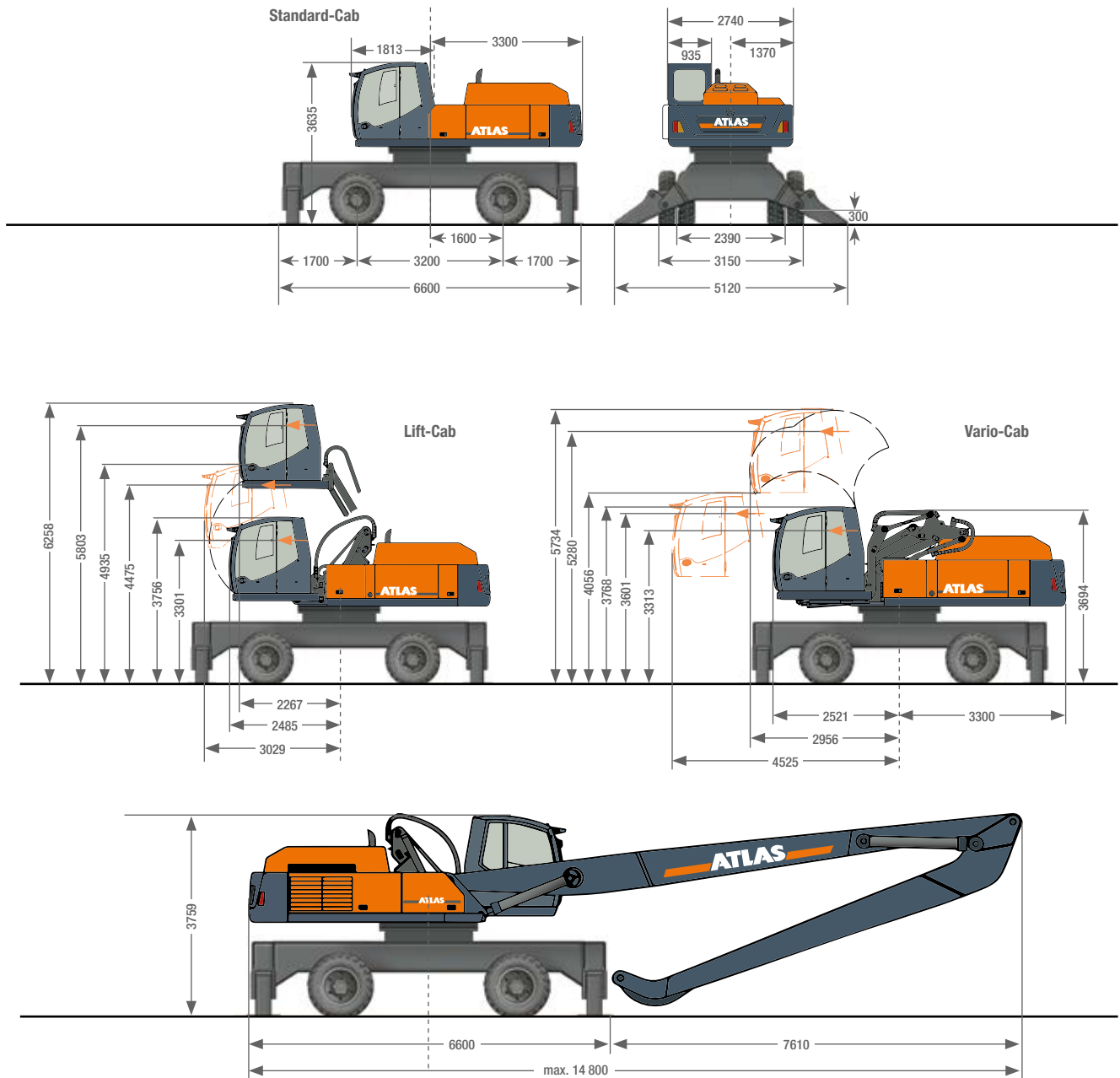
Lifting Capacities Loading boom 10.60 m (C84.7i) with stick 7.70 m (D84.17i), Max. reach 18.06 m

HEIGHT	Undercarriage position		5.5 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	15.5 m	16.5 m
15.0 m	FRONT 	outriggers down					4994	4671						
		outriggers up					4994	4671						
	LATERAL 	outriggers down					4994	4671						
		outriggers up					4994	4605*						
13.5 m	FRONT 	outriggers down					4934	4610	4333	4092				
		outriggers up					4934	4610	4333	4092				
	LATERAL 	outriggers down					4934	4610	4333	4092				
		outriggers up					4934	4610	3966*	3379*				
12.0 m	FRONT 	outriggers down					4952	4618	4329	4076	3852			
		outriggers up					4952	4618	4329	4076	3756*			
	LATERAL 	outriggers down					4952	4618	4329	4076	3852			
		outriggers up					4952	4618	3976*	3403*	2918*			
10.5 m	FRONT 	outriggers down					5044	4686	4376	4105	3864	3646		
		outriggers up					5044	4686	4376	4105	3745*	3267*		
	LATERAL 	outriggers down					5044	4686	4376	4105	3864	3646		
		outriggers up					5044	4608*	3931*	3375*	2908*	2508*		
9.0 m	FRONT 	outriggers down				5672	5202	4805	4465	4168	3905	3669	3451	
		outriggers up				5672	5202	4805	4465	4168	3695*	3237*	2841*	
	LATERAL 	outriggers down				5672	5202	4805	4465	4168	3905	3669	3451	
		outriggers up				5672	5202	4491*	3840*	3306*	2860*	2479*	2147*	
7.5 m	FRONT 	outriggers down			6623	5958	5417	4966	4584	4255	3966	3708	3471	
		outriggers up			6623	5958	5417	4966	4584	4128*	3614*	3178*	2803*	
	LATERAL 	outriggers down			6623	5958	5417	4966	4584	4255	3966	3708	3471	
		outriggers up			6623	5958	5091*	4323*	3707*	3203*	2781*	2421*	2110*	
6.0 m	FRONT 	outriggers down	9270	8121	7090	6297	5666	5151	4721	4354	4035	3753	3495	3251
		outriggers up	9270	8121	7090	6297	5666	5151	4574*	3993*	3509*	3099*	2745*	2436*
	LATERAL 	outriggers down	9270	8121	7090	6297	5666	5151	4721	4354	4035	3753	3495	3251
		outriggers up	9270	8121	6918*	5723*	4819*	4111*	3541*	3072*	2679*	2344*	2054*	1798*
4.5 m	FRONT 	outriggers down	10580	8821	7575	6643	5918	5336	4855	4450	4100	3792	3513	3248
		outriggers up	10580	8821	7575	6643	5853*	5035*	4379*	3840*	3389*	3006*	2676*	2387*
	LATERAL 	outriggers down	10580	8821	7575	6643	5918	5336	4855	4450	4100	3792	3513	3248
		outriggers up	9823*	7782*	6360*	5313*	4509*	3872*	3354*	2925*	2564*	2254*	1986*	1750*
3.0 m	FRONT 	outriggers down	5174	9395	7981	6936	6131	5490	4965	4525	4147	3814	3511	3225
		outriggers up	5174	9343*	7676*	6453*	5518*	4778*	4178*	3682*	3265*	2909*	2601*	2332*
	LATERAL 	outriggers down	5174	9395	7981	6936	6131	5490	4965	4525	4147	3814	3511	3225
		outriggers up	5174	6970*	5788*	4892*	4190*	3625*	3161*	2773*	2444*	2160*	1914*	1697*
1.5 m	FRONT 	outriggers down	2084	6150	8208	7111	6261	5582	5026	4559	4157	3802	3478	3168
		outriggers up	2084	6150	7143*	6052*	5209*	4538*	3989*	3532*	3146*	2815*	2529*	2280*
	LATERAL 	outriggers down	2084	6150	8208	7111	6261	5582	5026	4559	4157	3802	3478	3168
		outriggers up	2084	6150	5289*	4513*	3897*	3396*	2980*	2629*	2329*	2070*	1844*	1646*
0 m	FRONT 	outriggers down	1920	4309	8196	7121	6271	5583	5013	4531	4113	3740	3397	3061
		outriggers up	1920	4309	6749*	5736*	4956*	4334*	3825*	3401*	3041*	2733*	2468*	2237*
	LATERAL 	outriggers down	1920	4309	8196	7121	6271	5583	5013	4531	4113	3740	3397	3061
		outriggers up	1920	4309	4920*	4215*	3656*	3201*	2823*	2502*	2228*	1990*	1784*	1605*
-1.5 m	FRONT 	outriggers down		4190	7269	6944	6136	5468	4905	4422	3997	3612	3247	
		outriggers up		4190	6504*	5521*	4773*	4181*	3700*	3299*	2961*	2672*	2423*	
	LATERAL 	outriggers down		4190	7269	6944	6136	5468	4905	4422	3997	3612	3247	
		outriggers up		4190	4692*	4011*	3482*	3055*	2702*	2404*	2150*	1931*	1741*	
-3.0 m	FRONT 	outriggers down		4616	7097	6573	5843	5220	4683	4210	3784	3386	2994	
		outriggers up		4616	6384*	5403*	4665*	4086*	3619*	3234*	2909*	2634*	2399*	
	LATERAL 	outriggers down		4616	7097	6573	5843	5220	4683	4210	3784	3386	2994	
		outriggers up		4616	4579*	3900*	3379*	2964*	2625*	2341*	2100*	1894*	1717*	
-4.5 m	FRONT 	abgestützt			6692	5988	5363	4808	4312	3860	3437	3023		
		unabgestützt			6354*	5359*	4618*	4042*	3581*	3203*	2888*	2623*		
	QUER 	abgestützt			6692	5988	5363	4808	4312	3860	3437	3023		
		unabgestützt			4552*	3859*	3335*	2922*	2588*	2311*	2079*	1883*		

The specified max. loading capacities in tons (t) 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 400MH

400MH Transport position



Further cabin versions on demand



400MH-EN(1) Effective date: 04/2020. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Atlas makes no other warranty, express or implied. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Atlas makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Atlas GmbH and/or its subsidiaries. All rights are reserved. Atlas® is a registered trademark of Atlas GmbH. Copyright © 2020 Atlas GmbH. Ref. no. 6203430

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