

## MOTOR

Power (according to ISO 1585) .....	134 kW (182 HP)
Useful power blocked .....	114 kW (155 HP)
Manufacturer .....	Deutz
Type .....	BF6M 2012 C
Displacement .....	4790 cm <sup>3</sup>
Number of revolutions .....	2000 min <sup>-1</sup>
Supercharging .....	Turbocharger/ Intercooling

## HYDRAULICS

AWE 5 limit load controlled system with two control pumps • Axial piston pumps in tandem design • Fuel-saving demand flow regulation

- Pressure oil recycling • sensitive, proportional, load-independent control of all work movements, regardless of the respective load pressure
- or speed • Warm-up phase • Thermostat-controlled oil temperature • Cooler in a separate cooling circuit with cooling fan • Primary and secondary protection of the hydraulic system against overload • Suction valves for all work functions as well as throttling in the lifting and bending circuit • Load holding and fine lowering valves in the lifting circuit

Hydrauliksystem .....	2xAKP	
Main pump .....		HPR 105
Max. flow rate control pump .....	360 l/min	
Max. operating pressure working movement .....	350 bar	

## MANAGEMENT

AEM ATLAS EXCAVATOR MANAGEMENT • Control and regulation of all Electrical functions • Electronic diesel engine regulator (EMR) • Limit load control GLR • LCD display of operating data • Immobilizer • Error display • Function test • Automotive driving

## SOUND LEVEL

Sound level* is well below EC limits	
Outdoor level (LwA) .....	104 dB (A)
Kabinenpegel (LpA) .....	72 dB(A)
*Dynamic sound level measurement according to 2000/14 EC	

## ELECTRICAL SYSTEM

Operating voltage .....		There were 24
Cold start high performance battery .....	2 x 100 Ah	
Complete electrical system according to StVZO		

## BRAKE

Dual circuit brake system .....	slats
Parking brake .....	spring storage

## FILLING QUANTITY

Fuel tank.....	400 l
Hydrauliktank .....	220 l
Engine oil .....	14 litres

## CABIN

Elastically mounted • thermally insulated panoramic windows for the best All-round visibility • Glare-free interior • Roof hatch with window • Ergonomic pilot control lever • Adjustable steering column • Seat can be adjusted longitudinally separately from the control console • Windscreen can be inserted under the cabin roof

Type .....	ATLAS Comfort cabin type 1000
Total length .....	1800 mm
Width .....	1000mm



## SWIVELING

Swivel motor .....	Axial piston motor with priority valve
Swivel gear .....	planetary gear ratio
Swivel brake .....	automatic multi-disc parking brake

Drive on internally toothed ball slewing ring	
Swivel speed .....	9 min <sup>-1</sup>
Pivoting torque .....	59 kNm

## TRACTION DRIVE

40 t special excavator axles with planetary gears in all four wheel hubs

- All-wheel drive • Variable speed motor • Powershift transmission • Double-acting Driving brake valve • Travel direction preselection via switch in the pilot control lever
- Steering axle with automatic pendulum axle locking • Automotive driving via footplate valve

## SPEED

Creep gear shift .....	max. 1.0 km/h
Off-road gear stepless.....	max. 5, 0 km/h
Continuously variable travel.....	max. 20 km/h

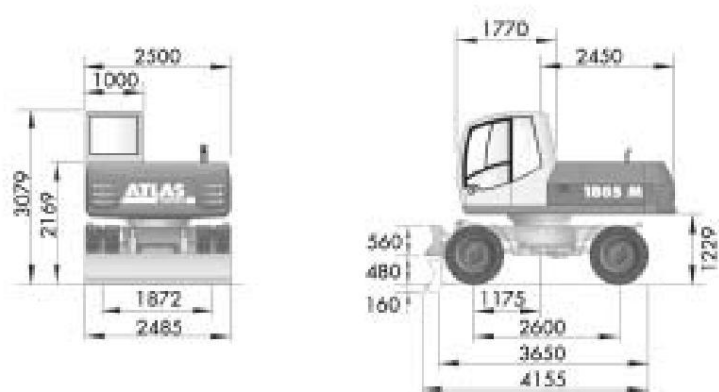
## TIRES

8-small .....	10.00 - 20
Wenderadius .....	7,5 m

## WEIGHT

Operating weight .....	18 - 20 t
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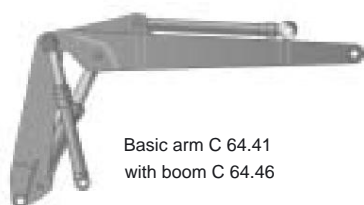
## MAIN DIMENSIONS



## DRIVING POSITION WITH GRIPPER



## ARMSYSTEME



Basic arm C 64.41  
with boom C 64.46



Monoblock C 64.3 M



Knickarm D 64.2

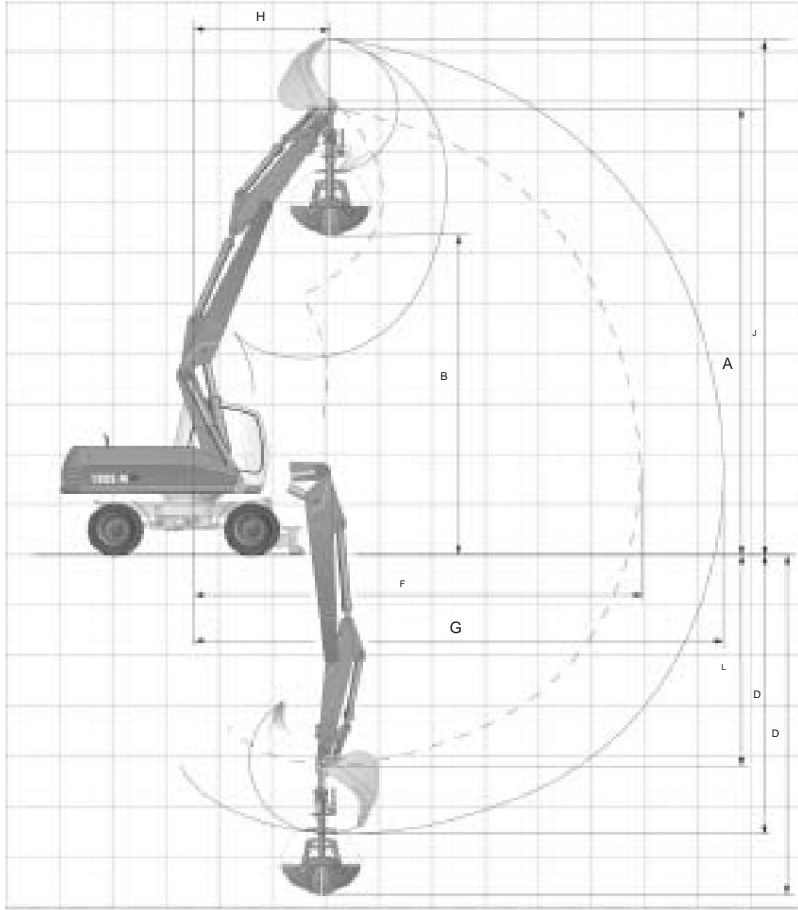


Knickarm D 64.3

## EQUIPMENT

Basic device	Gew./kg	Base arm boom	Gew./kg
<b>A 64.2</b> ATLAS-Hydraulik-Mobilbagger 1805 M with fully attached leveling and Support shield and two lifting cylinders <b>A</b>	13600	Standard monoblock boom with articulated cylinder Usable length 5300 mm 2140	
<b>64.32</b> ATLAS hydraulic mobile excavator 1805 M with 4-fold claw support and two lifting cylinders <b>A</b>	15500	<b>C 64.41</b> basic arm with an internal working cylinder 1300 <b>C 64.46</b> boom with articulated cylinder only for base arm C64.41, usable length 3800 mm 1230	
<b>64.33</b> ATLAS hydraulic mobile excavator 1805 M with fully attached leveling and Support shield on the rigid axle and 2-fold Clamp support on the steering axle and two lifting cylinders <b>A</b>	14800	<b>Knickarme</b>	
<b>64.35</b> ATLAS hydraulic mobile excavator 1805 M with fully attached leveling and Support shield on the steering axle and 2-fold Claw support on the rigid axle and two lifting cylinders	14800	<b>D 64.2</b> articulated arm, usable length 2150 mm <b>D</b> <b>64.3</b> articulated arm, usable length 2650 mm	520 585
<b>Additional and special versions</b>		<b>Bucket tilt cylinder</b>	
<b>B 64.41</b> Pipe burst protection for lifting cylinders and Overload warning device	20	<b>F 64.1</b> Bucket tilt cylinder with deflection linkage	250
<b>B 64.9</b> Hydraulic attachment kit to support the support The front and rear can be switched	30	<b>Standard basic equipment:</b>	
separately <b>B 64.9b</b> Hydraulic attachment kit to support the support to switch individually	40	• AEM ATLAS EXCAVATOR MANAGEMENT	
<b>B 64.39</b> Mounting kit for boom actuating cylinder <b>B</b>	15	• Excavator electronics • Monitor operating data display	
<b>64.55</b> Widened axles, total width 2750 mm <b>B 64.56</b> Widened dozer blade, total width 2750 mm 30	70	• Air conditioning • Foot-shift driving	
<b>B 64.36</b> Hydraulic attachment kit "Grab" (piping) 40	45	• Automotive driving • Direction preselection in the pilot control lever	
<b>B 64.37</b> Hydraulic attachment kit "Gripper turning"	45	• Automatic idling diesel engine • Windshield washer system	
		• Sliding window in the cabin door	
		• Tinted thermal insulation glazing	
		• Front window can be inserted under the cabin roof	
		• Infinitely adjustable steering column in tilt and height	
		• Foldable arm console	
		• Comfort seat with armrests and disc supports	
		• Seat can be moved separately from the control consoles	
		• Preparation for radio installation	
		• Battery main switch in the negative line	
		• Pressure accumulator for emergency lowering of the arm system	
		• Central lubrication • Sealed pivot points in the base arm	
		• Gripper bracket for hanging the gripper while driving on the road	
		• Intermediate rings	
		• Infinitely adjustable, parallel-guided support/leveling blade	
		• Tool box in the undercarriage	
		• Powershift transmission • Pressure switching stage	

## ATLAS 1805 M hydraulic adjustable boom



### Articulated arm D 64.2 - usable length 2150 mm

Equipment: A 64.2, C 64.41, C 64.46, D 64.2, F 63.26 or E 266 bucket gripper

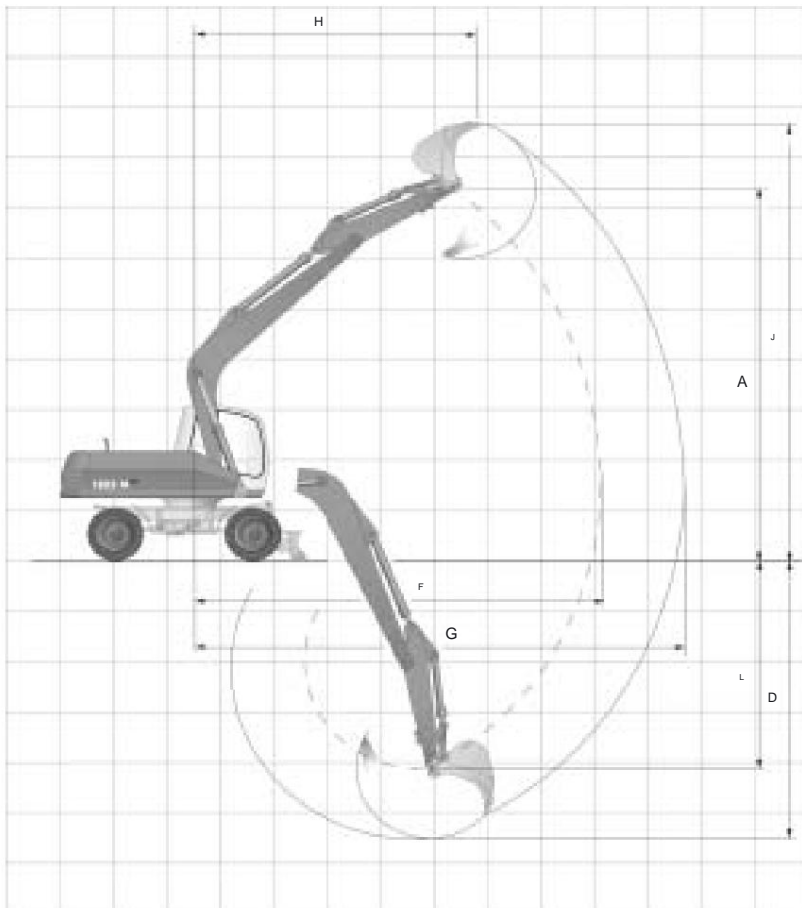
A Height of the articulated arm	mm	8930	8930
arm B Dumping height	mm		6480
D Max. digging depth F	mm	5750	6750
Max. radius G Max. reach	mm	7950	7950
mm		9400	8750
H Max. arm position	mm	2600	2600
J Maximum reach height	mm	10350	
L bucket pivot point	mm	4300	4300
Spoon/grab		830	450
Tear strength	kN	100	
Breaking force	kN	125	
Gripper closing force	kN		73
Service weight	t	18,0	18,3

### Articulated arm D 64.3 - usable length 2650 mm

Equipment: A 64.2, C 64.41, C 64.46, D 64.3, F 63.15 or E 266 spoon gripper

A height of articulated arm	mm	9330	9330
B Dumping height D	mm		6880
Max. digging depth F Max.	mm	6250	7250
radius G Max. reach H	mm	8450	8450
Max. arm position mm	mm	9900	9250
2900			
J Maximum reach height	mm	10800	L Bucket pivot
point Bucket/grab	mm	4800	4800
breaking force	kN	750	450
87 Breakaway force	kN	125	Grab closing force
kN Operating weight			73
			18,1
			18,4

## ATLAS 1805 M Monoblock



### Articulated arm D 64.2 - usable length 2150 mm

Equipment: A 64.2, C 64.3 M, D 64.2, F 63.26

A height of articulated arm	mm	7450	Spoon
B Dumping height	mm		
D Max. Grabtiefe	mm	5700	
F Max. throat mm G Max. reach mm H	mm	7750	
Max. arm position mm J Maximum reach	mm	9150	
height mm L Bucket pivot point Bucket/	mm	4950	
grab breaking force		8750	
	mm	4200	
		830	
	kN	100	
Breaking force	kN	125	
Gripper closing force	kN		
Service weight	t	17,6	

### Articulated arm D 64.3 - usable length 2650 mm

Equipment: A 64.2, C 64.3 M, D 64.3, F 63.15

A height of articulated arm	mm	7750	Spoon
B Dumping height D	mm		
Max. digging depth F Max.	mm	6200	
radius mm G Max. reach mm H Max.	mm	8250	
arm position mm J Maximum reach	mm	9650	
height mm L Bucket pivot point Bucket/	mm	5450	
grab Breakout force kN Breakaway force		9000	
kN Gripper closing force	mm	4700	
kN Operating		750	
weight		87	
		125	
			17,7

**Basic device A 64.2, C 64.41, C 64.46**

Articulated arm D 64.2 - usable length 2150 mm

Hook height m	3,0 m		4,0 m		4,5 m		5,0 m		6,0 m		7,0 m		7,5 m	
	l	l	l	l	l	l	l	l	l	l	l	l	l	l
6	a	-	-	5,6	5,6	5,3	5,3	5,1	4,8	4,9	3,7	-	-	-
	b	-	-	5,6	5,6	5,3	5,2	5,1	4,5	4,9	3,4	-	-	-
4,5	a	8,6	8,6	6,9	6,4	6,3	5,5	5,8	4,7	5,2	3,7	4,8	2,8	-
	b	8,6	8,6	6,9	5,9	6,3	5,0	5,8	4,4	4,9	3,4	3,9	2,6	-
3	a	7,9	7,9	8,8	6,2	7,7	5,3	6,9	4,6	5,7	3,6	5,1	2,8	4,4
	b	7,9	7,9	8,5	5,7	7,2	4,9	6,2	4,3	4,8	3,4	3,9	2,6	3,4
1,5	a	10,7	9,2	9,8	6,1	8,8	5,2	7,7	4,6	6,2	3,6	5,3	2,7	5,0
	b	10,7	8,4	8,4	5,6	7,1	4,8	6,1	4,2	4,8	3,3	3,8	2,5	3,3
0	a	13,6	9,4	10,3	8,4	6,2	8,9	5,3	7,9	4,6	6,4	3,4	5,4	2,6
	b	13,6	8,5	-	5,6	7,2	4,8	6,2	4,2	4,8	3,1	3,6	2,4	3,2
-1,5	a	14,9	9,1	10,4	6,0	9,1	5,1	8,0	4,3	6,6	3,2	5,2	2,5	-
	b	14,0	8,1	8,7	5,4	7,2	4,6	6,1	3,9	4,5	2,9	3,6	2,3	-
-3	a	15,5	9,0	10,8	8,0	5,7	9,3	4,8	8,0	4,1	5,4	3,1	-	-
	b	14,2	8,4	-	5,2	6,9	4,3	5,9	3,7	4,4	2,8	-	-	-

Articulated arm D 64.3 - usable length 2650 mm

Hook height m	3,0 m		4,5 m		5,0 m		6,0 m		7,0 m		7,5 m		8,0 m	
	l	l	l	l	l	l	l	l	l	l	l	l	l	l
7,5	a	-	-	4,7	4,7	4,6	4,6	-	-	-	-	-	-	-
	b	-	-	4,7	4,7	4,6	4,5	-	-	-	-	-	-	-
6	a	-	-	4,8	4,8	4,7	4,7	4,5	3,7	4,4	2,8	-	-	-
	b	-	-	4,8	4,8	4,7	4,5	4,5	3,5	3,9	2,6	-	-	-
4,5	a	7,8	7,8	5,7	5,5	5,4	4,8	4,8	3,7	4,5	2,9	4,4	2,6	-
	b	7,8	7,8	5,7	5,1	5,4	4,4	4,8	3,4	3,9	2,7	3,5	2,3	-
3	a	8,3	8,3	7,2	5,3	6,4	4,6	5,5	3,6	4,8	2,9	4,6	2,5	4,5
	b	8,3	8,3	7,2	4,9	6,2	4,3	4,8	3,4	3,9	2,7	3,5	2,3	3,1
0	a	12,9	9,3	8,9	5,2	7,9	4,6	6,4	3,6	5,4	2,7	5,0	2,4	4,7
	b	12,9	8,4	7,1	4,8	6,1	4,2	4,8	3,3	3,7	2,5	3,3	2,2	3,0
-1,5	a	14,7	9,1	9,0	5,1	7,9	4,4	6,5	3,3	5,5	2,5	4,9	2,3	-
	b	13,8	8,1	7,3	4,6	6,2	4,0	4,6	3,0	3,6	2,3	3,2	2,1	-
-3	a	15,1	9,0	9,4	4,9	8,3	4,1	6,4	3,1	-	-	-	-	-
	b	14,2	8,0	7,0	4,4	5,9	3,8	4,4	2,8	-	-	-	-	-

**Basic device A 64.2, C 64.3M**

articulated arm D 64.2 - usable length 2150 mm

Hook height m	3,0 m		4,0 m		4,5 m		5,0 m		6,0 m		7,0 m		7,5 m	
	l	l	l	l	l	l	l	l	l	l	l	l	l	l
6	a	-	-	-	-	-	-	-	-	-	4,2	3,7	-	-
	b	-	-	-	-	-	-	-	-	-	4,2	3,4	-	-
4,5	a	-	-	-	4,9	4,9	4,7	4,7	4,4	3,7	4,4	2,9	-	-
	b	-	-	-	4,9	4,9	4,7	4,4	4,4	3,4	3,9	2,7	-	-
3	a	-	-	7,9	6,0	6,8	5,2	6,0	4,5	5,2	3,5	4,7	2,8	4,7
	b	-	-	7,9	5,5	6,8	4,7	6,0	4,1	4,8	3,2	3,9	2,6	3,5
1,5	a	-	-	9,5	5,6	8,4	4,8	7,3	4,2	6,0	3,4	5,2	2,7	5,0
	b	-	-	8,3	5,1	7,0	4,4	6,0	3,9	4,7	3,1	3,8	2,5	3,4
0	a	-	-	10,7	5,5	9,2	4,7	8,1	4,1	6,6	3,2	5,6	2,7	5,2
	b	-	-	8,1	5,0	6,8	4,3	5,8	3,7	4,5	3,0	3,7	2,4	3,4
-1,5	a	11,6	8,5	10,5	5,5	9,3	4,7	8,2	4,1	6,7	3,2	-	-	-
	b	11,6	7,6	8,1	5,0	6,8	4,2	5,8	3,7	4,5	2,9	-	-	-
-3	a	12,6	8,7	9,7	5,6	8,6	4,8	7,7	4,1	-	-	-	-	-
	b	12,6	7,7	8,2	5,1	6,9	4,3	5,9	3,8	-	-	-	-	-

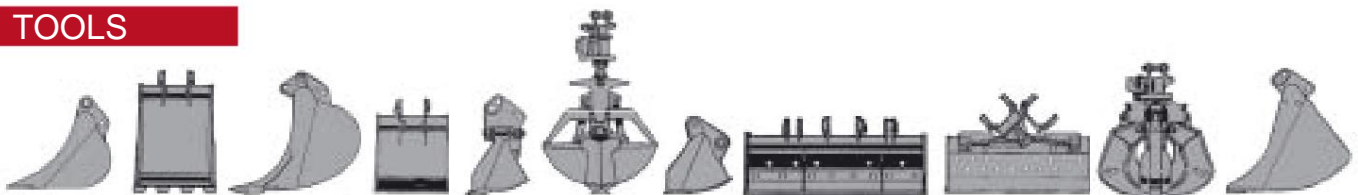
Articulated arm D 64.3 - usable length 2650 mm

Hook height m	3,0 m		4,5 m		5,0 m		6,0 m		7,0 m		8,0 m	
	l	l	l	l	l	l	l	l	l	l	l	l
6	a	-	-	-	-	-	-	-	-	-	3,6	3,6
	b	-	-	-	-	-	-	-	-	-	3,6	3,5
4,5	a	-	-	-	-	-	-	-	-	4,0	3,7	4,0
	b	-	-	-	-	-	-	-	-	4,0	3,4	4,0
3	a	-	-	6,9	6,2	6,1	5,3	5,5	4,6	4,8	3,6	4,4
	b	-	-	6,9	5,7	6,1	4,8	5,5	4,2	4,8	3,3	3,9
1,5	a	-	-	9,3	5,7	7,9	4,9	6,9	4,3	5,7	3,4	5,0
	b	-	-	8,4	5,2	7,0	4,5	6,1	3,9	4,7	3,1	3,8
0	a	-	-	10,4	5,5	9,0	4,7	7,9	4,1	6,4	3,3	5,4
	b	-	-	8,1	5,0	6,8	4,3	5,9	3,7	4,5	3,0	3,7
-1,5	a	10,6	8,4	10,6	5,5	9,3	4,6	6,2	4,0	6,7	3,2	5,6
	b	10,6	7,5	8,1	4,9	6,7	4,2	5,8	3,7	4,5	2,9	3,6
-3	a	13,4	8,5	10,1	5,5	8,9	4,7	7,9	4,1	6,4	3,2	-
	b	13,4	7,6	8,2	5,0	6,8	4,2	5,8	3,7	4,5	2,9	-

The specified maximum payload values in tons include a stability of 33% or are calculated at 87% of the hydraulic lifting force, according to ISO 10567. These values are valid at the arm tip with the optimal position of the corresponding arm system.

a = supported, b = movable, q = transverse, l = longitudinal

**TOOLS**



Bucket assignment recommendation (taking into account the max. radius F)

SPOON	F 63.28	F 63.27	F 63.26	F 63.15
Contents l	1140	930	830	750
Width mm Support dozer blade max. projection	1300	1100	1000	850
m Support. 4-fold claw max. projection with	6,0	7,0	7,5	8,0
	9,0	10,0	10,5	11,0

according to stability according to ISO 10567, bulk density 1.8 t/m3



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