ENGINE

Power output (acc. to ISO 1585) ..... 170 kW (231 HP)
Net brake power ..... 161 kW (219 HP)
Manufacturer ..... Deutz
Type ..... BF6M 1013 ECP
Piston displacement ..... 7140 cm^3
Max. rpm ..... 1900 min^{-1}
Charging ..... turbocharger/intertooler

HYDRAULIC SYSTEM

Computer controlled AWE4 system with one load limit controlled high performance piston pump and fuel saving oil supply on demand in order to ensure sensitive, proportional and load independent control of all movements. • primary and secondary safeguarding of the hydraulic system against overload • anti cavitation valves for all working functions throttle control in the lifting and folding circuit • Load – holding valves and subtile acting lowering valves in the lifting circuit

Hydraulic system ..... 2 x axial piston pump
Main pump ..... HPR 160/160
Max. gear pump output ..... 2x320 l/min
Max. operating pressure ..... 320/380 bar

NOISE LEVEL

Noise level* well below EU limits
Outside cab (LwA) ..... 104 dB (A)
Inside cab (LpA) ..... 75 dB (A)
Noise level* well below EU limits

ELECTRICAL SYSTEM

Operating voltage ..... 24 Volt
Cold-start high performance batteries ..... 2 x 143 Ah
Complete electrical system acc. StVZO.

BRAKES

Twin-circuit system ..... multi disc type
Parking brake ..... spring loaded type

TANK VOLUMES

Fuel tank ..... 425 l
Hydraulic tank ..... 133 l
Engine oil ..... 21 l

CABIN

Shock absorbing resilient mountings • heat insulated panoramic windows for best all around visibility • no glare interior • skylight with window • ergonomic control levers • adjustable steering column • forward and reverse seat adjustment, independent of the control panel • up and over windscreen lockable under roof panel • air condition

Model ..... ATLAS comfort cab model 935
Total length ..... 1760 mm
Width ..... 935 mm

SLEWING MECHANISM

lew motor ..... Axial piston with priority valve
Slew gear box ..... planetary gearing
Slew brake* ..... lockable multi disc
Drive internally toothed
Slewing speed ..... 8.5 min^{-1}
Slewing torque ..... 93.4 kNm

*straight forward slewing operations whilst on gradients due to foot locking pedal brake, if slew pressure exceeds 120 bar.

DRIVE

Shock absorbing resilient mountings • heat insulated panoramic windows for best all around visibility • no glare interior • skylight with window • ergonomic control levers • adjustable steering column • forward and reverse seat adjustment, independent of the control panel • up and over windscreen lockable under roof panel • air condition

TRAVELLING SPEED

Inching	max. 1.0 km/h
Off-road (infintely)	max. 5.0 km/h
On-road (infinitely)	max. 20 km/h

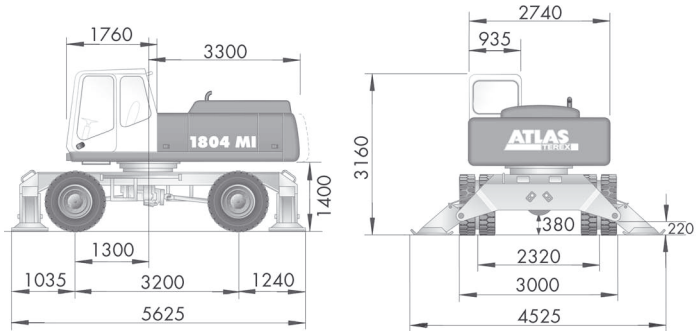
TYRES

8-fold ..... 12.00 - 20
Turning radius ..... 8.1 m

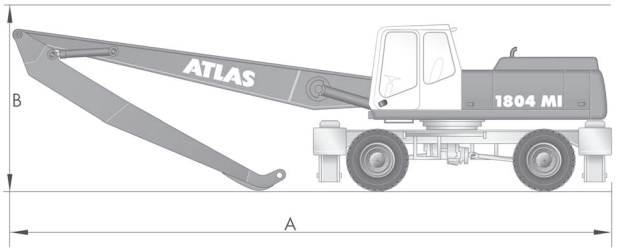
OPERATION WEIGHT

Operation weight ..... 32.0 - 36.0 to

PRINCIPAL DIMENSIONS



LOADING DIMENSIONS



Booms	Length A	Height B
C 84.5 i with D 84.16 i	12650 mm	3200 mm
C 84.7 i with D 84.17 i	14450 mm	3200 mm

BOOM SYSTEMS

EQUIPMENT

Base unit

		Weight/kg
A 84.32	ATLAS fully hydraulic mobile material handling machine 1804 MI with four-fold stabilizers	25000

Additional equipment

B 84.41	Isolating stop valve and overload warning device for the lifting ram	40
B 84.9	Hydraulic installation to operate front and rear stabilizers separately	20
B 84.9b	Hydraulic installation to operate each rear stabilizers separately	40
B 84.20	Counterweight	7300

Main boom

C 84.3i	Special material handling monobloc boom with two lifting rams and two lateral jib rams effective length 7400 mm	2270
C 84.5i	Special material handling monobloc boom with two lifting rams and two lateral jib rams effective length 8700 mm	3150
C 84.7i	Special material handling monobloc boom with two lifting rams and two lateral jib rams effective length 10600 mm	3680

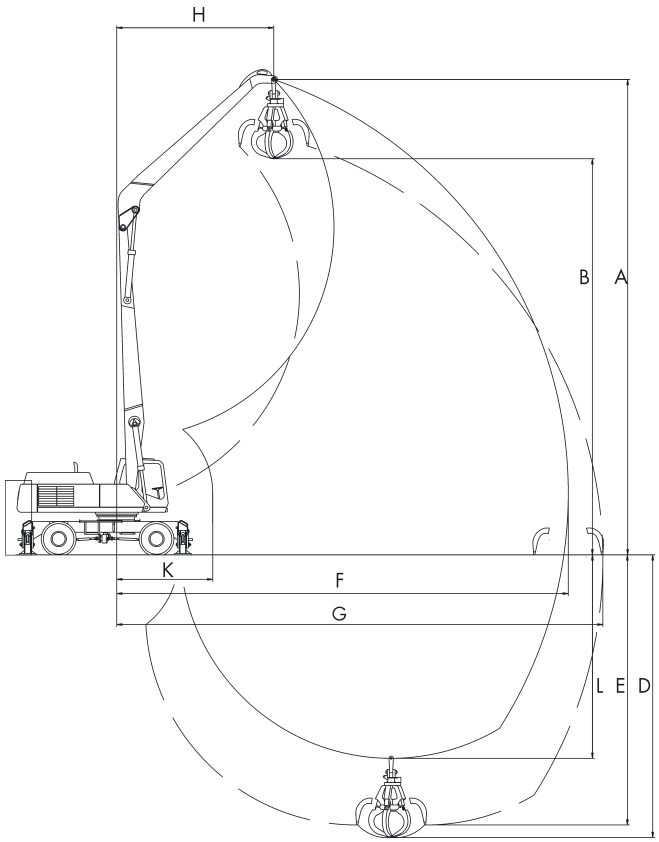
Jibs

D 84.15i	Jib for C 84.3i, Effective length 5500 mm	1520
D 84.16i	Jib for C 84.5i, Effective length 6900 mm	1750
D 84.17i	Jib for C 84.6i and C 84.7i, Effective length 7750 mm	1770

Standard equipment:

- Hydraulic installation for grab operation and grab rotation
- fuel tank indicator
- central lubrication point
- battery main switch in the negative wire
- skylight with window
- storage area in cabin
- comfort seat with arm rests and lumbar support
- tool-box in the superstructure
- sealed base boom pivot pins
- emergency boom lowering accumulator
- windscreen washer
- air condition cab
- sliding window in the cabin door
- cab prepared for radio installation
- intermediate rings between the tyre pairs
- travelling with foot pedals
- infinitely adjustable steering column (height and tilt)

ATLAS 1804 MI Material Handling



Jib D 84.16i - Effective length 6900 mm

Equipment: A 84.32, C 84.5i, C 84.16i, E 850

Grab

A	Jib height	mm	15549
B	Dumping height	mm	12949
F	Max.length of jib	mm	14768
G	Max. outreach	mm	15898
H	Max. outreach length	mm	5136
K	Min. length of jib	mm	3138
L	Bucket pivot	mm	6657
E	Max. open grab	mm	8837
D	Max. digging depth	mm	9247

Jib D 84.17i - Effective length 7750 mm

Equipment: A 84.32, C 84.7i, C 84.17i, E 650

Grab

A	Jib height	mm	17478
B	Dumping height	mm	14878
F	Max.length of jib	mm	18126
G	Max. outreach	mm	17001
H	Max. outreach length	mm	6366
K	Min. length of jib	mm	3734
L	Bucket pivot	mm	8194
E	Max. open grab	mm	10439
D	Max. digging depth	mm	10849

Jib D 84.15i

Effective length 5500 mm
Equipment: C 84.3i; Counterweight 7300 kg

Hook height m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m	
		l	q	l	q	l	q	l	q	l	q	l	q
10.5	a	–	–	8.5	8.5	7.4	7.4	–	–	–	–	–	–
	b	–	–	8.5	8.3	7.4	5.8	–	–	–	–	–	–
9	a	–	–	8.4	8.4	7.3	7.3	6.4	6.4	–	–	–	–
	b	–	–	8.4	8.3	7.3	5.8	6.4	4.3	–	–	–	–
6	a	12.1	12.1	9.2	9.2	7.7	7.7	6.6	6.6	5.7	5.7	–	–
	b	12.1	12.1	9.2	7.9	7.7	5.6	6.6	4.2	5.1	3.2	–	–
4.5	a	13.0	13.0	9.9	9.9	8.1	8.1	6.8	6.8	5.8	5.8	4.9	4.9
	b	13.0	11.6	9.9	7.5	8.1	5.3	6.4	4.0	5.0	3.1	4.0	2.5
3	a	14.6	14.6	10.6	10.6	8.4	8.4	6.0	6.9	5.7	5.7	4.8	4.8
	b	14.6	10.4	10.6	6.9	8.2	5.0	6.2	3.8	4.9	3.0	4.0	2.4
0	a	10.1	10.1	10.5	10.5	8.2	8.2	6.6	6.6	5.3	5.3	4.1	4.1
	b	10.1	8.8	10.5	6.0	7.6	4.5	5.8	5.8	4.7	2.8	3.9	2.3

Jib D 84.16i

Effective length 6900 mm
Equipment: C 84.5i; Counterweight 7300 kg

Hook height m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m	
		l	q	l	q	l	q	l	q	l	q	l	q
10.5	a	–	–	6.4	6.4	5.7	5.7	5.1	5.1	4.6	4.6	–	–
	b	–	–	6.4	6.2	5.7	4.6	5.1	3.5	4.2	2.6	–	–
9	a	–	–	6.5	6.5	5.7	5.7	5.1	5.1	4.5	4.5	–	–
	b	–	–	6.5	6.1	5.7	4.5	5.1	3.4	4.3	2.7	–	–
6	a	8.6	8.6	7.1	7.1	6.1	6.1	5.3	5.3	4.6	4.6	4.0	4.0
	b	8.6	8.1	7.1	5.7	6.1	4.2	5.2	3.3	4.1	2.6	3.4	2.0
4.5	a	9.3	9.3	7.5	7.5	6.3	6.3	5.4	5.4	4.6	4.6	4.0	4.0
	b	9.3	7.5	7.5	5.4	6.3	4.0	5.0	3.1	4.0	2.5	3.3	2.0
3	a	10.0	10.0	7.9	7.9	6.4	6.4	5.4	5.4	4.6	4.6	3.9	3.9
	b	10.0	6.8	7.9	4.9	6.1	3.8	4.8	2.9	3.9	2.4	3.2	1.9
0	a	10.1	10.1	7.9	7.9	6.3	6.3	5.2	5.2	4.4	4.4	3.6	3.6
	b	10.0	5.6	7.3	4.2	5.6	3.3	4.5	2.6	3.7	2.2	3.1	1.8

Jib D 84.17i

Effective length 7750 mm
Equipment: C 84.7i; Counterweight 7300 kg

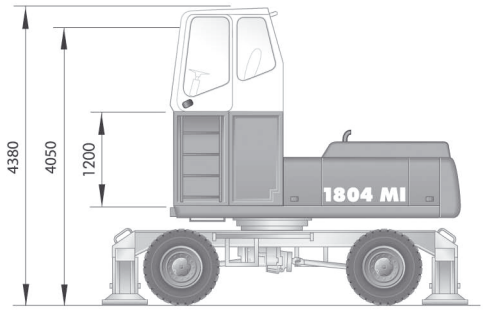
Hook height m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m	
		l	q	l	q	l	q	l	q	l	q	l	q
10.5	a	4.7	4.7	4.2	4.2	3.7	3.7	3.4	3.4	–	–	–	–
	b	4.7	4.7	4.2	3.6	3.7	2.8	3.4	2.2	–	–	–	–
9	a	4.8	4.8	4.3	4.3	3.8	3.8	3.4	3.4	3.1	3.1	–	–
	b	4.8	4.7	4.3	3.5	3.8	2.7	3.4	2.1	2.8	1.7	–	–
6	a	5.2	5.2	4.5	4.5	3.9	3.9	3.5	3.5	3.2	3.1	–	–
	b	5.2	4.2	4.5	3.2	3.9	2.5	3.3	2.0	2.7	1.6	–	–
4.5	a	5.5	5.5	4.6	4.6	4.0	4.0	3.5	3.5	3.1	3.1	2.7	2.7
	b	5.5	3.8	4.6	3.0	3.9	2.3	3.2	1.9	2.7	1.5	2.2	1.2
3	a	5.6	5.6	4.7	4.7	4.0	4.0	3.5	3.5	3.1	3.1	2.7	2.7
	b	5.6	3.5	4.6	2.7	3.7	2.2	3.1	1.7	2.6	1.4	2.2	1.1
0	a	5.7	5.7	4.7	4.7	4.0	4.0	3.4	3.4	2.9	2.9	2.5	2.5
	b	5.1	2.8	4.1	2.3	3.4	1.8	2.8	1.5	2.4	1.2	2.1	1.0

a = dozer lowered, b = in travel position, q = laterally, l = longitudinally

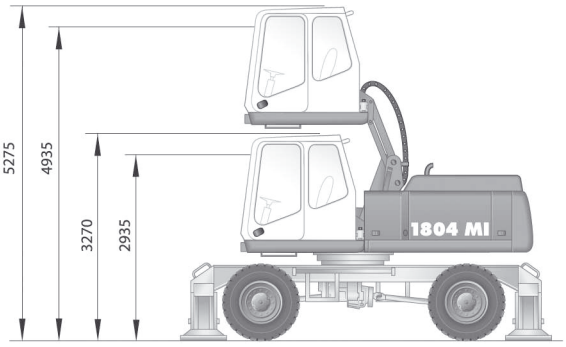
The stated maximum payload volume in metric tons (t) include a stability margion of 33 % or are calculated at 87 % of the hydraulic lifting force in accordance with ISO 10567 standard. These vardes apply at the jib end when the boom-jib system is in the optimal position.

CABIN DESIGN

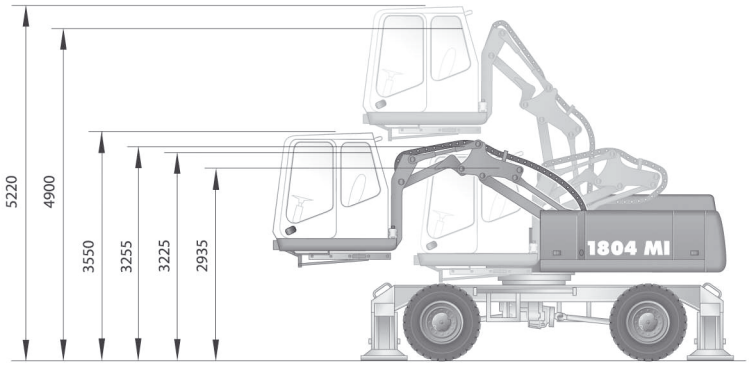
1.2 m fixed high cabin



Vario cabin

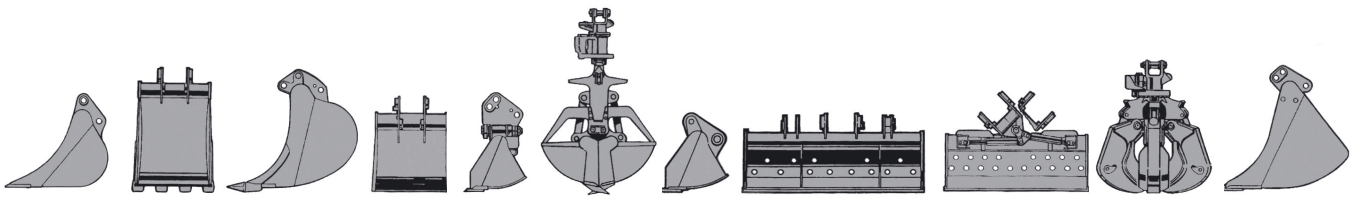


Vario cabin



ACCESSOIRES

GRABS	Type	Capacity (SAE)	Width	Width completely open grab	Weight
		l	mm	mm	kg
Clamshell grab	E 2.67	600	850	1790	1000
Bulk grab	E 75.36	2000	1600	2120	1340
Orange peel grab	E 650	500	open	2280	1200
	E 651	500	half closed	2280	1350
	E 750	600	open	2385	1270
	E 751	600	half closed	2385	1410
	E 850	400	open	2460	1360
	E 851	700	half closed	2460	1520
	E 860	900	open	2700	1420
	E 861	900	half closed	2700	1640
Log grab	E 724/2	1,3 m^3	800	2900	1165
Quick release equipment	T 734				90
	T 832				126
Linkage	T 72				55
	T 82				122
Grab rotation device	E 2.62				355
	E 732				170
	E 832				180
Rapid changeover device	T 713				25



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