

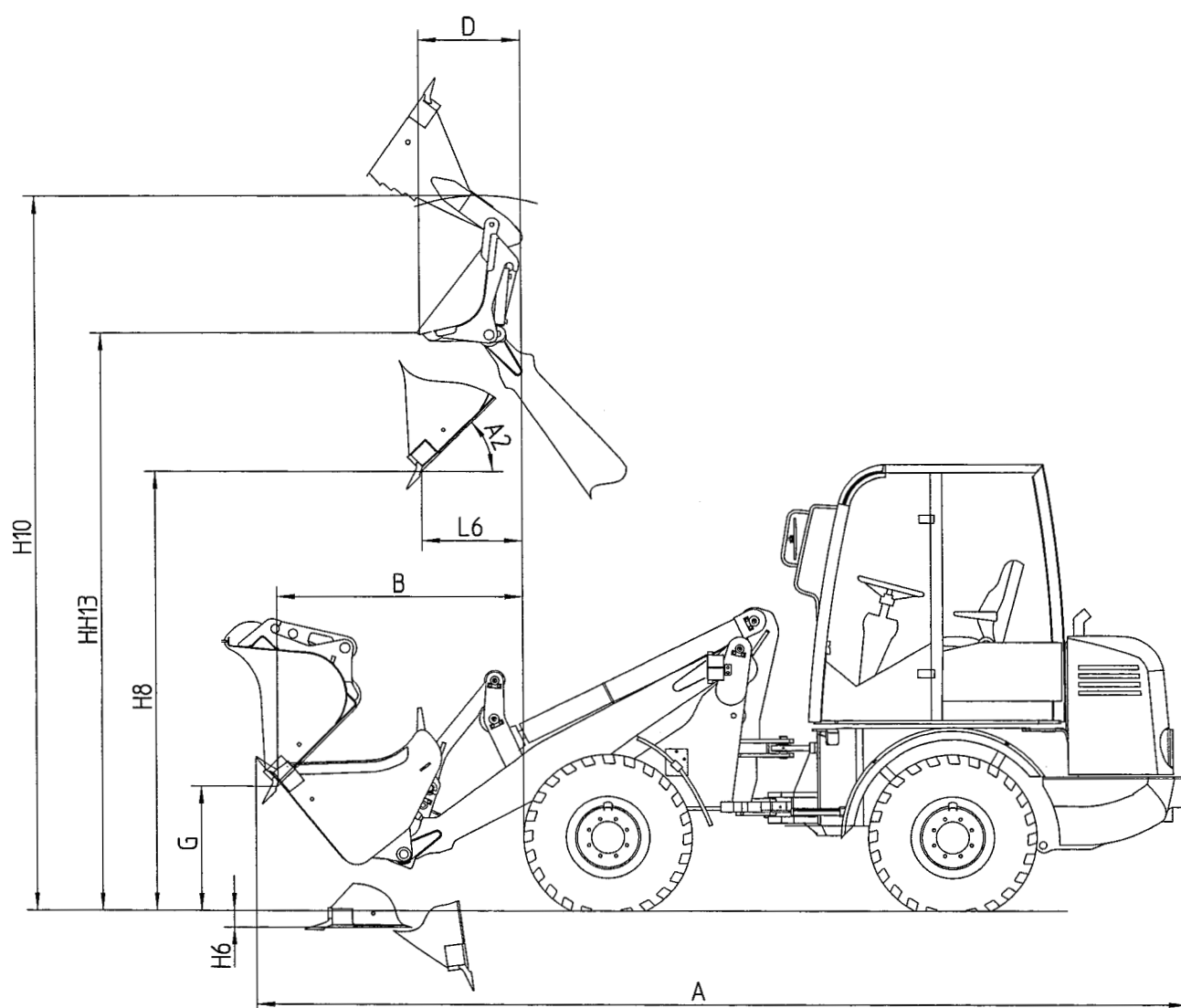
Technical data (attachments)

12.1 AL 80 attachments

NOTE

- The technical data refer to 12.5 - 18 10PR tires.

12.1.1 Buckets



12.1.1 Buckets

Bucket type		Standard bucket	Lightweight bucket	Multi-purpose bucket
Bucket volume	m³	0.8	1.2	0.7
Bucket width	mm	1950	2000	1950
Dead weight	kg	258	283	493
Loads acc. to ISO 14397 *1				
Bulk density	t/m³	1,8	1,3	2
Dump load				
- frontally	kg	3660	3080	2880
- articulated	kg	3230	2550	2345
Payload				
- frontally	kg	1830	1540	1440
- articulated	kg	1615	1275	1175
Loads acc. to ISO 8313 *2				
Bulk density	t/m³	1.8	1.3	2
Dump load				
- frontally	kg	3410	2925	2735
- articulated	kg	2860	2500	2300
Payload				
- frontally	kg	1705	1465	1370
- articulated	kg	1430	1250	1150
Tear-out force acc. to ISO 8313	daN	42	35	44
A Total length (bucket in the transport position)	mm	5550	5490	5550
A2 Max. dump angle (top)	°	45	45	45
Max. dump angle (bottom)	°	125	125	125
B Max. dumping distance at dumping angle 50°	mm	1420	1520	1430
G Dumping height at max. dumping distance and dumping angle 50°	mm	810	650	780
H6 Depth of feed-in	mm	100	160	150
H8 Dumping height at max. lifting height and dumping angle 50°	mm	2585	2500	2515
H10 Max. working height	mm	4170	4300	4030
L6 Dumping distance at max. lifting height and dumping angle 50°	mm	700	650	675
Multipurpose bucket opened:				
D Max. dumping distance at max. lifting height and tilted bucket	mm	-	-	695
HH13 Max. dumping height with tilted bucket	mm	-	-	3290

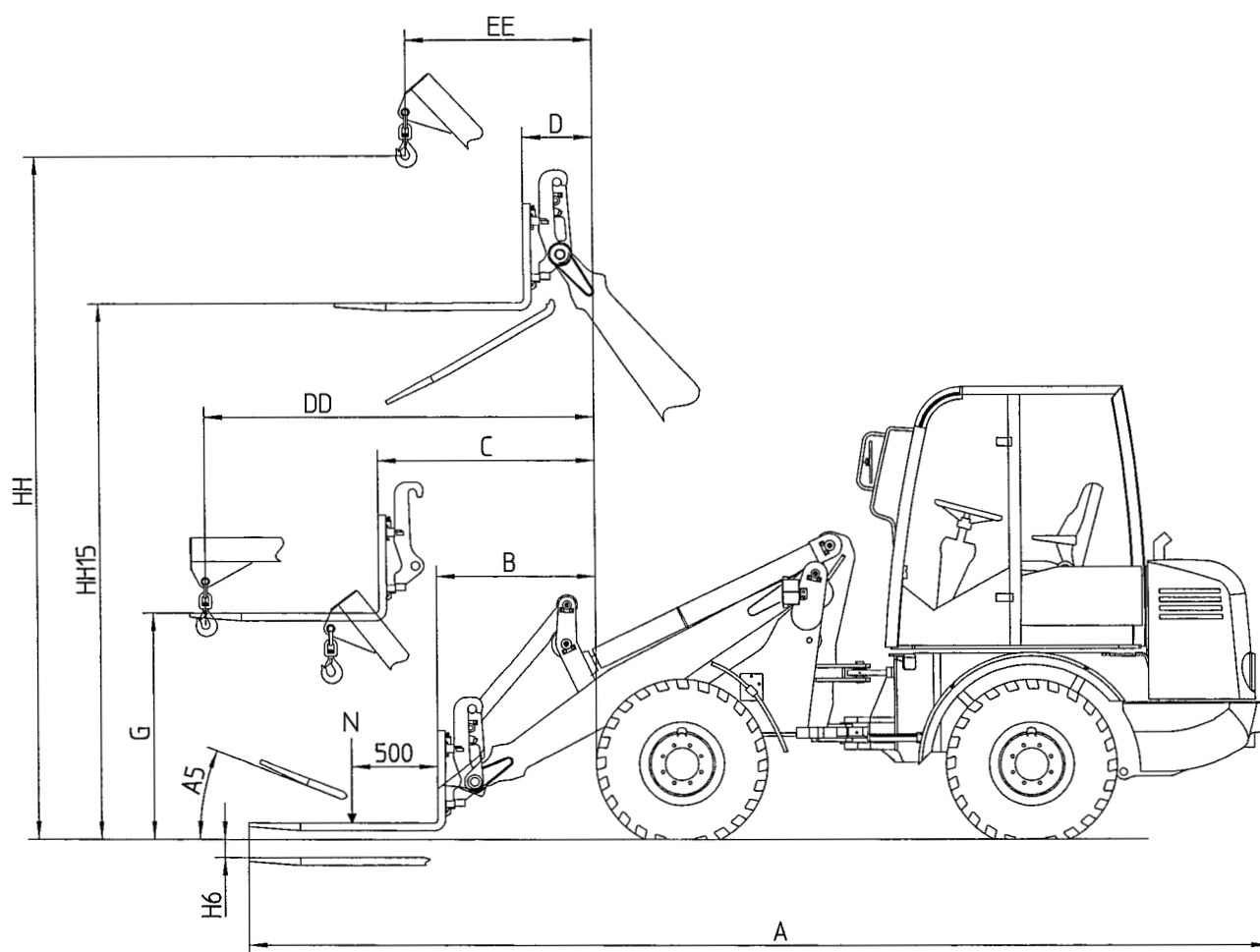
NOTE

*1 - ISO 14397: "Calculation of permissible payload"

*2 - ISO 8313: "Measurement of dump load"

12.1.2 Fork-lift attachment

12.1.3 Lifting hook



12.1.2 Fork-lift attachment

Tine length	1100 mm
Tine height	45 mm
Tine spacing (center)	
- min.	216 mm
- max.	1054 mm
Dead weight	192 kg

Perm. payload N acc. to ISO 14397
frontally

- level ground (stability factor 1.25)	2260 kg
- uneven ground (stability factor 1.67)	1690 kg

articulated

- level ground (stability factor 1.25)	1990 kg
- uneven ground (stability factor 1.67)	1495 kg

Perm. payload N acc. to DIN 8313**frontally**

- level ground (stability factor 1.25)	2135 kg
- uneven ground (stability factor 1.67)	1600 kg

articulated

- level ground (stability factor 1.25)	1785 kg
- uneven ground (stability factor 1.67)	1340 kg

Perm. payload N acc. to DIN 8313, **fork-lift attachment 300 mm above ground****frontally**

- level ground (stability factor 1.25)	2440 kg
- uneven ground (stability factor 1.67)	1825 kg

articulated

- level ground (stability factor 1.25)	2040 kg
- uneven ground (stability factor 1.67)	1530 kg

A	Total length	5970 mm
A5	Tilt angle	19 °
B	Min. reach	960 mm
C	Max. reach	1360 mm
D	Reach at max. lifting height	580 mm
G	Free lift height at max. reach	1355 mm
H6	Depth of feed-in	100 mm
HH15	Free lift height at max. reach (upper tine edge)	3100 mm

12.1.3 Lifting hook

Perm. payload acc. to DIN EN 474-3

- Max. outreach (stability factor 2)	750 kg
Dead weight	145 kg

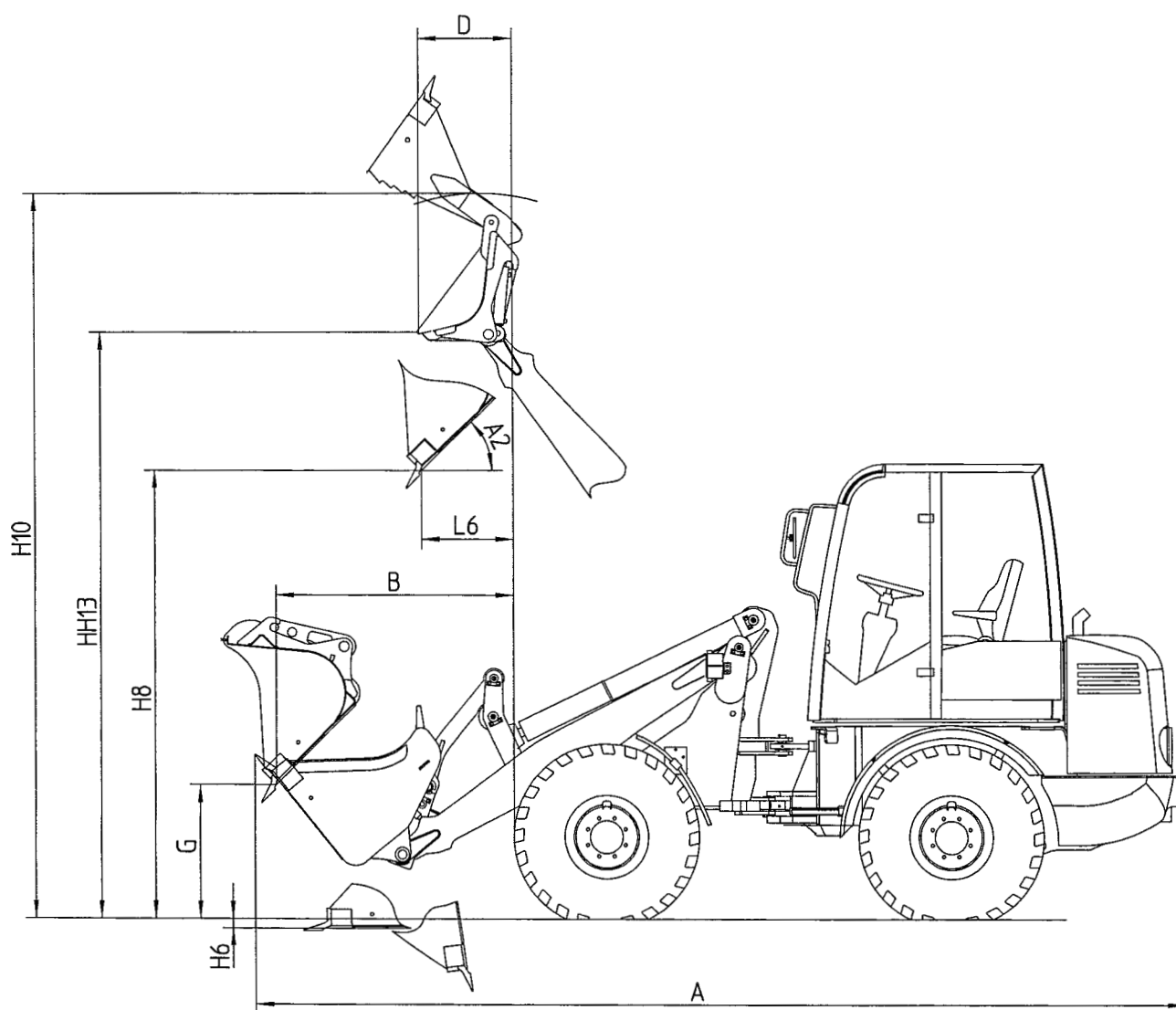
A	Total length	5380 mm
DD	Max. outreach	2290 mm
EE	Reach with bucket arm in uppermost position	1100 mm
HH	Max. lifting height	3970 mm

12.2 AL 100 / AL 100 turbo attachments

NOTE

- The technical data refer to 14.5 -20 12PR tires.

12.2.1 Buckets



12.2.1 Buckets

Bucket type		Standard bucket	Lightweight bucket	Multi-purpose bucket
Bucket volume	m ³	1,0	1,2	0,8
Bucket width	mm	2000	2000	1950
Dead weight	kg	280	283	551
Loads acc. to ISO 14397 *1				
Bulk density	t/m ³	1,8	1,3	2
Dump load				
- frontally	kg	4350	3595	3350
- articulated	kg	3840	2965	2705
Payload				
- frontally	kg	2175	1800	1675
- articulated	kg	1920	1485	1355
Loads acc. to ISO 8313 *2				
Bulk density	t/m ³	1,8	1,3	2
Dump load				
- frontally	kg	4000	3415	3180
- articulated	kg	3210	2905	2650
Payload				
- frontally	kg	2000	1710	1590
- articulated	kg	1605	1455	1325
Tear-out force acc. to ISO 8313	daN	45	37	44
A Total length (bucket in the transport position)	mm	5580	5490	5580
A2 Max. dump angle (top)	°	45	45	45
Max. dump angle (bottom)	°	125	125	125
B Max. dumping distance at dumping angle 50°	mm	1420	1520	1430
G Dumping height at max. dumping distance and dumping angle 50°	mm	850	690	820
H6 Depth of feed-in	mm	60	130	110
H8 Dumping height at max. lifting height and dumping angle 50°	mm	2625	2500	2555
H10 Max. working height	mm	4210	4300	4070
L6 Dumping distance at max. lifting height and dumping angle 50°	mm	700	650	675
Multipurpose bucket opened:				
D Max. dumping distance at max. lifting height and tilted bucket	mm	-	-	695
HH13 Max. dumping height with tilted bucket	mm	-	-	3330

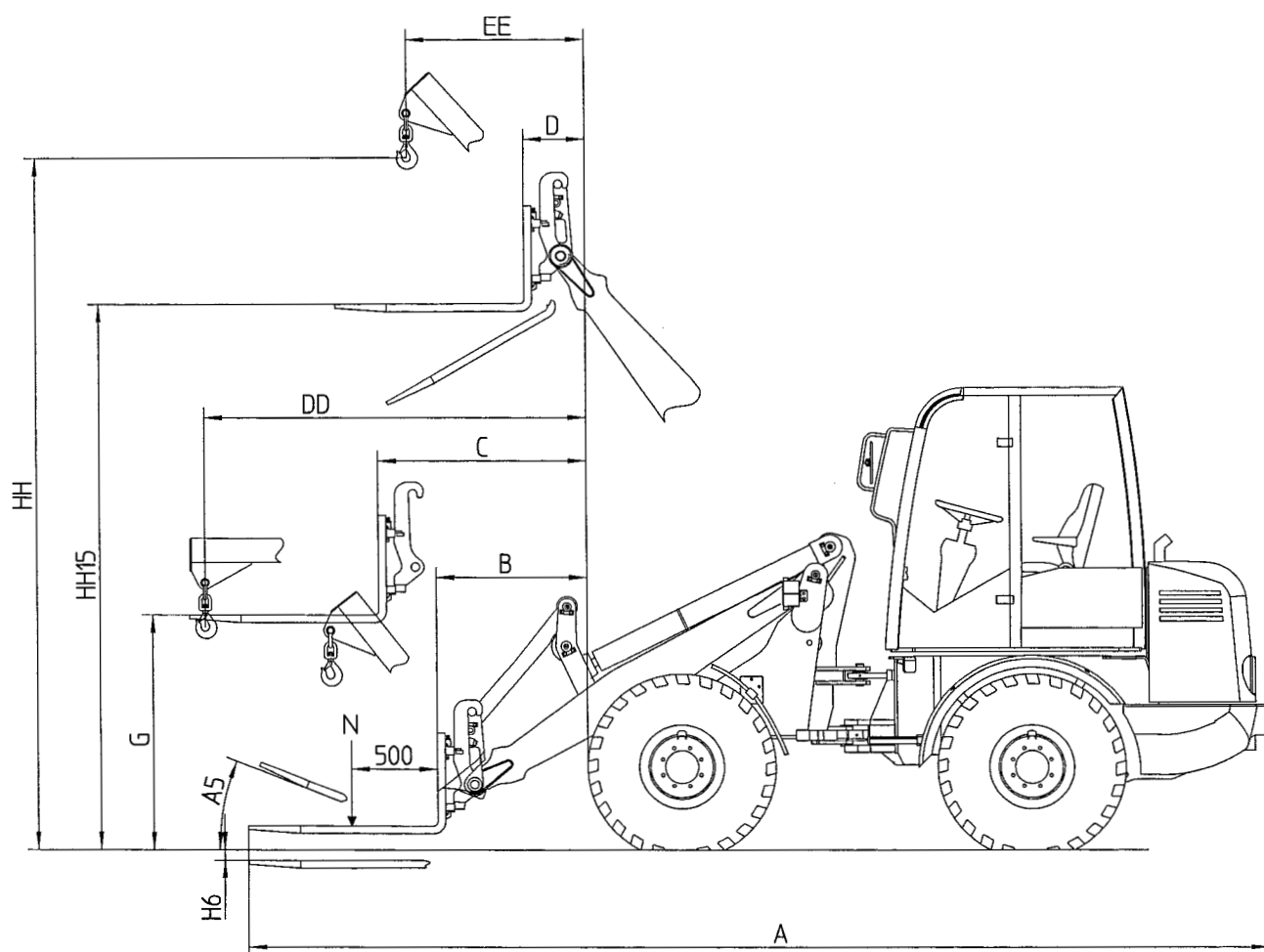
NOTE

*1 - ISO 14397: "Calculation of permissible payload"

*2 - ISO 8313: "Measurement of dump load"

12.2.2 Fork-lift attachment

12.2.3 Lifting hook



12.2.2 Fork-lift attachment

Tine length	1100 mm
Tine height	45 mm
Tine spacing (center)	
- min.	216 mm
- max.	1054 mm
Dead weight	192 kg

Perm. payload N acc. to ISO 14397 **frontally**

- level ground (stability factor 1.25)	2720 kg
- uneven ground (stability factor 1.67)	2040 kg

articulated

- level ground (stability factor 1.25)	2400 kg
- uneven ground (stability factor 1.67)	1800 kg

Perm. payload N acc. to DIN 8313 **frontally**

- level ground (stability factor 1.25)	2580 kg
- uneven ground (stability factor 1.67)	1935 kg

articulated

- level ground (stability factor 1.25)	2145 kg
- uneven ground (stability factor 1.67)	1610 kg

Perm. payload N acc. to DIN 8313, **fork-lift attachment 300 mm above ground frontally**

- level ground (stability factor 1.25)	2950 kg
- uneven ground (stability factor 1.67)	2215 kg

articulated

- level ground (stability factor 1.25)	2430 kg
- uneven ground (stability factor 1.67)	1825 kg

A	Total length	5970 mm
A5	Tilt angle	19 °
B	Min. reach	960 mm
C	Max. reach	1360 mm
D	Reach at max. lifting height	580 mm
G	Free lift height at max. reach	1355 mm
H6	Depth of feed-in	60 mm
HH15	Free lift height at max. reach (upper tine edge)	3140 mm

CAUTION

- The maximum permissible capacity of the fork-lift attachment is indicated on the attachment's type plate.
- The load to be picked up must not exceed the maximum permissible capacity of the loader.

12.2.3 Lifting hook

Perm. payload acc. to DIN EN 474-3

- Max. outreach (stability factor 2)	850 kg
Dead weight	145 kg

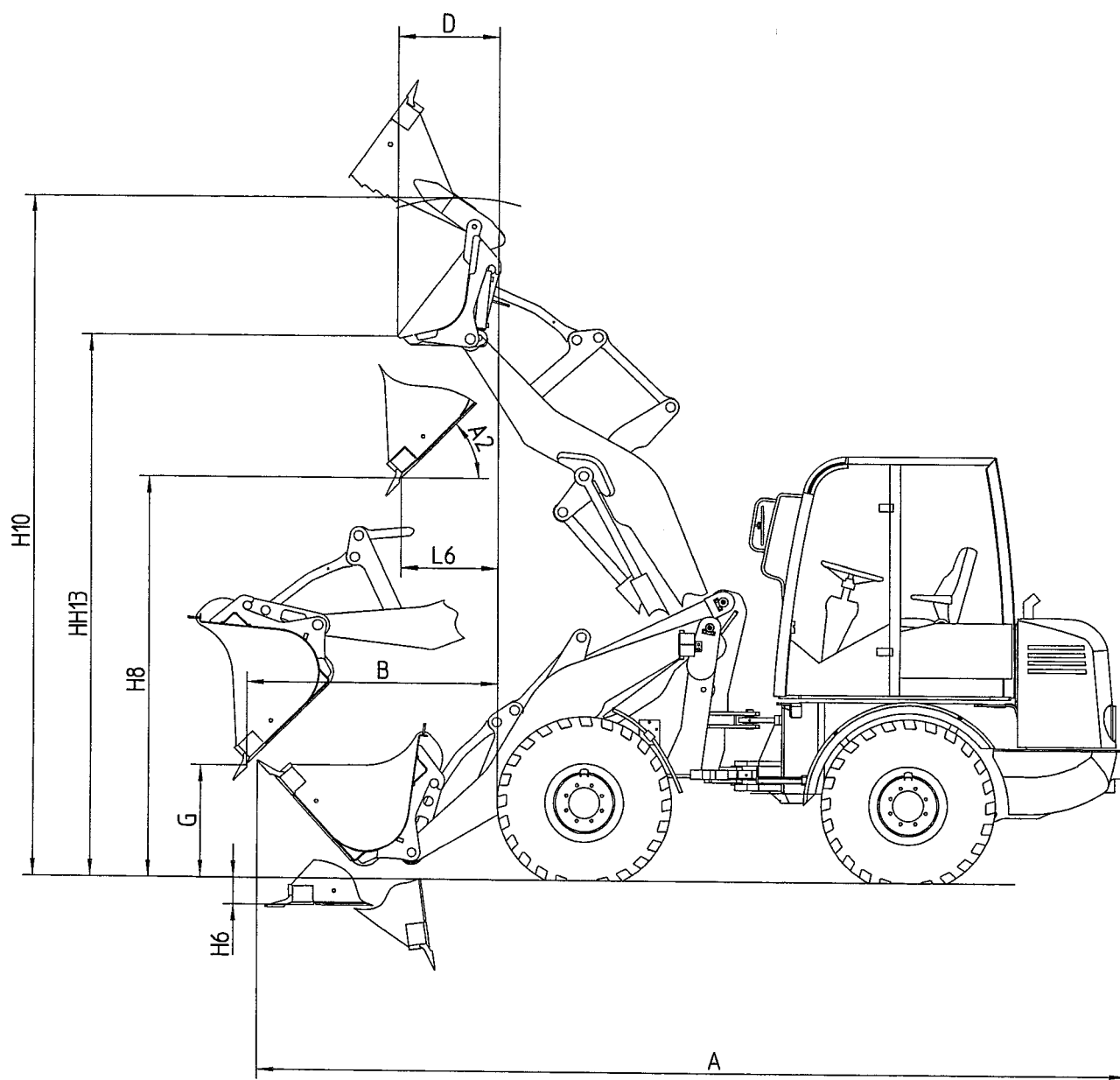
A	Total length	5380 mm
DD	Max. outreach	2290 mm
EE	Reach with bucket arm in uppermost position	1100 mm
HH	Max. lifting height	4010 mm

12.3 AL 120 attachments

NOTE

- The technical data refer to 16/70 - 20 14PR tires.

12.3.1 Buckets



12.3.1 Buckets

Bucket type		Standard bucket	Lightweight bucket	Multi-purpose bucket
Bucket volume	m³	1.2		1.0
Bucket width	mm	2000		
Dead weight	kg	310		
Loads acc. to ISO 14397 *1				
Bulk density	t/m³	1,8		
Dump load				
- frontally	kg	4840		
- articulated	kg	4300		
Payload				
- frontally	kg	2420		
- articulated	kg	2150		
Loads acc. to ISO 8313 *2				
Bulk density	t/m³	1,8		
Dump load				
- frontally	kg	4430		
- articulated	kg	3620		
Payload				
- frontally	kg	2215		
- articulated	kg	1810		
Tear-out force acc. to ISO 8313	kN	50		
Thrust force	kN	39		
A	Total length (bucket in the transport position)	mm	5775	5735
A2	Max. dump angle (top)	°	45	45
	Max. dump angle (bottom)	°	125	125
B	Max. dumping distance at dumping angle 50°	mm	1435	1495
G	Dumping height at max. dumping distance and dumping angle 50°	mm	830	815
H6	Depth of feed-in	mm	135	100
H8	Dumping height at max. lifting height and dumping angle 50°	mm	2800	2760
H10	Max. working height	mm	4520	4385
L6	Dumping distance at max. lifting height and dumping angle 50°	mm	575	580
Multipurpose bucket opened:				
D	Max. dumping distance at max. lifting height and tilted bucket	mm	-	530
HH13	Max. dumping height with tilted bucket	mm	-	3620

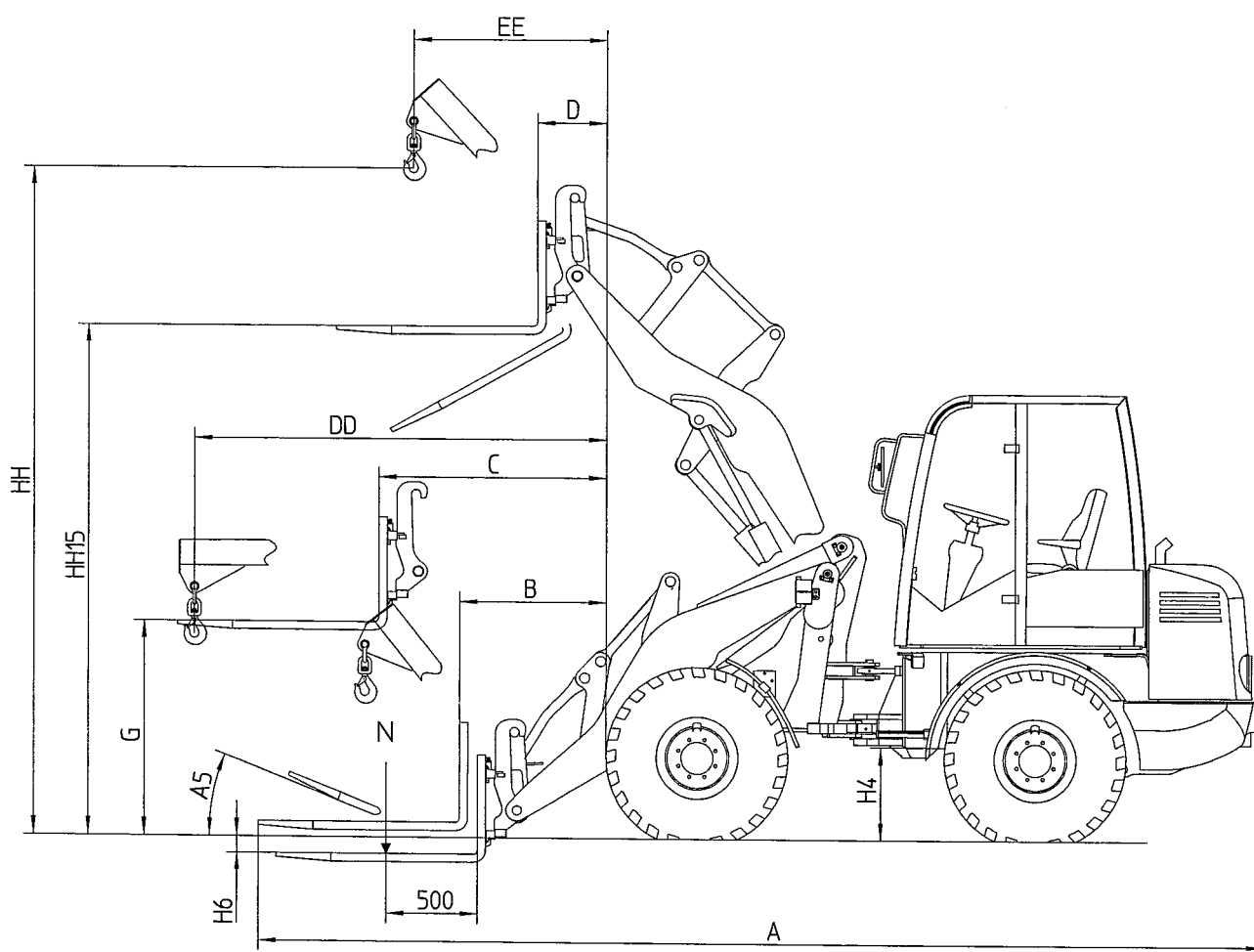
NOTE

*1 - ISO 14397: "Calculation of permissible payload"

*2 - ISO 8313: "Measurement of dump load"

12.3.2 Fork-lift attachment

12.3.3 Lifting hook



12.3.2 Fork-lift attachment

Tine length	mm
Tine height	mm
Tine spacing (center)	
- min.	mm
- max.	mm
Dead weight	kg

Perm. payload N acc. to ISO 14397 frontally

- level ground (stability factor 1.25)	3120 kg
- uneven ground (stability factor 1.67)	2340 kg

articulated

- level ground (stability factor 1.25)	2770 kg
- uneven ground (stability factor 1.67)	2080 kg

Perm. payload N acc. to DIN 8313 frontally

- level ground (stability factor 1.25)	2945 kg
- uneven ground (stability factor 1.67)	2210 kg

articulated

- level ground (stability factor 1.25)	2480 kg
- uneven ground (stability factor 1.67)	1860 kg

Perm. payload N acc. to DIN 8313, fork-lift attachment 300 mm above ground frontally

- level ground (stability factor 1.25)	3400 kg
- uneven ground (stability factor 1.67)	2550 kg

articulated

- level ground (stability factor 1.25)	2850 kg
- uneven ground (stability factor 1.67)	2140 kg

A	Total length	6040 mm
A5	Tilt angle	20 °
B	Min. reach	795 mm
C	Max. reach	1265 mm
D	Reach at max. lifting height	260 mm
G	Free lift height at max. reach	1480 mm
H6	Depth of feed-in	50 mm
HH15	Free lift height at max. reach (upper tine edge)	3400 mm

CAUTION

- The maximum permissible capacity of the fork-lift attachment is indicated on the attachment's type plate.
- The load to be picked up must not exceed the maximum permissible capacity of the loader.

12.3.3 Lifting hook

Perm. payload acc. to DIN EN 474-3

- Max. outreach (stability factor 2)	kg
Dead weight	kg

A	Total length	5465 mm
DD	Max. outreach	2285 mm
EE	Reach with bucket arm in uppermost position	970 mm
HH	Max. lifting height	4245 mm