

Technical Data (Attachments)

12 Attachments

12.1 Loaders with bolt locks (Kat. V)

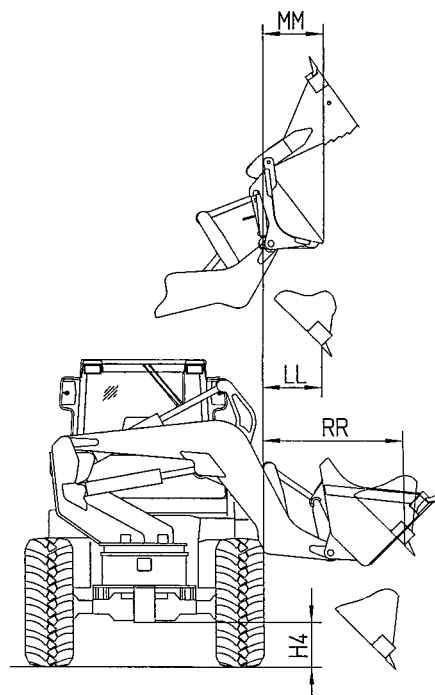
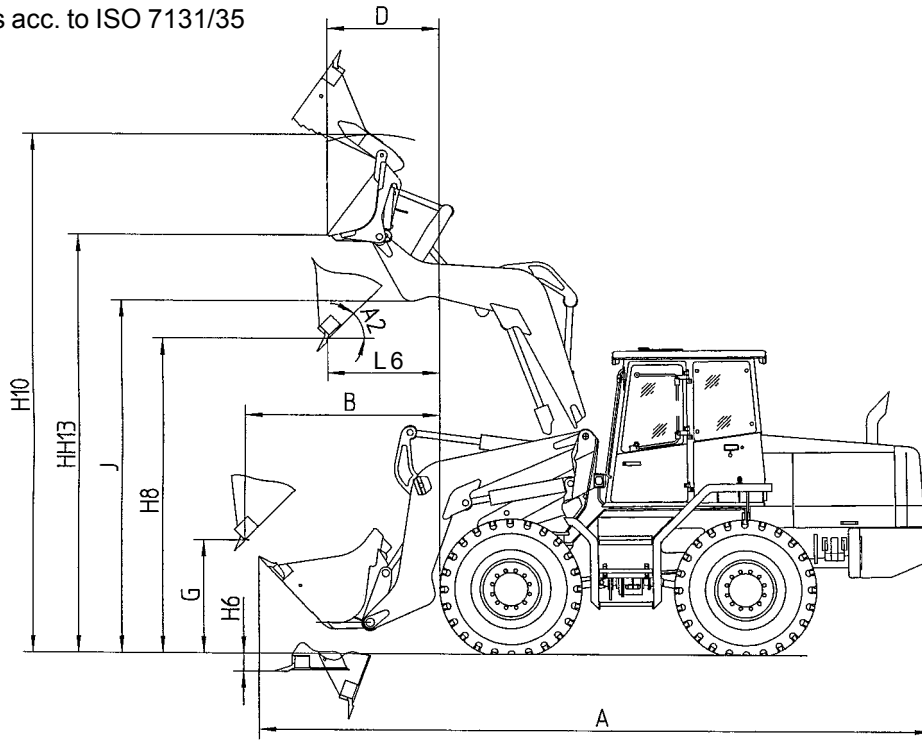


NOTE

The technical data refer to 20.5 -25 tyres.

12.1.1 Buckets

Dimensions acc. to ISO 7131/35



12.1.1 Buckets

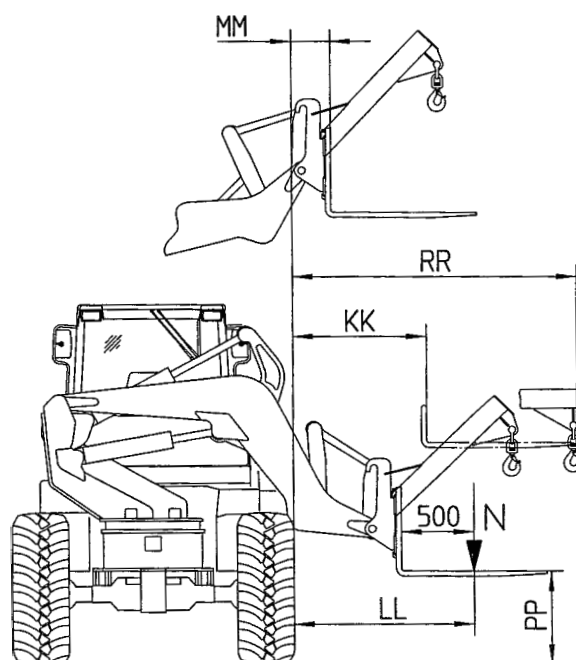
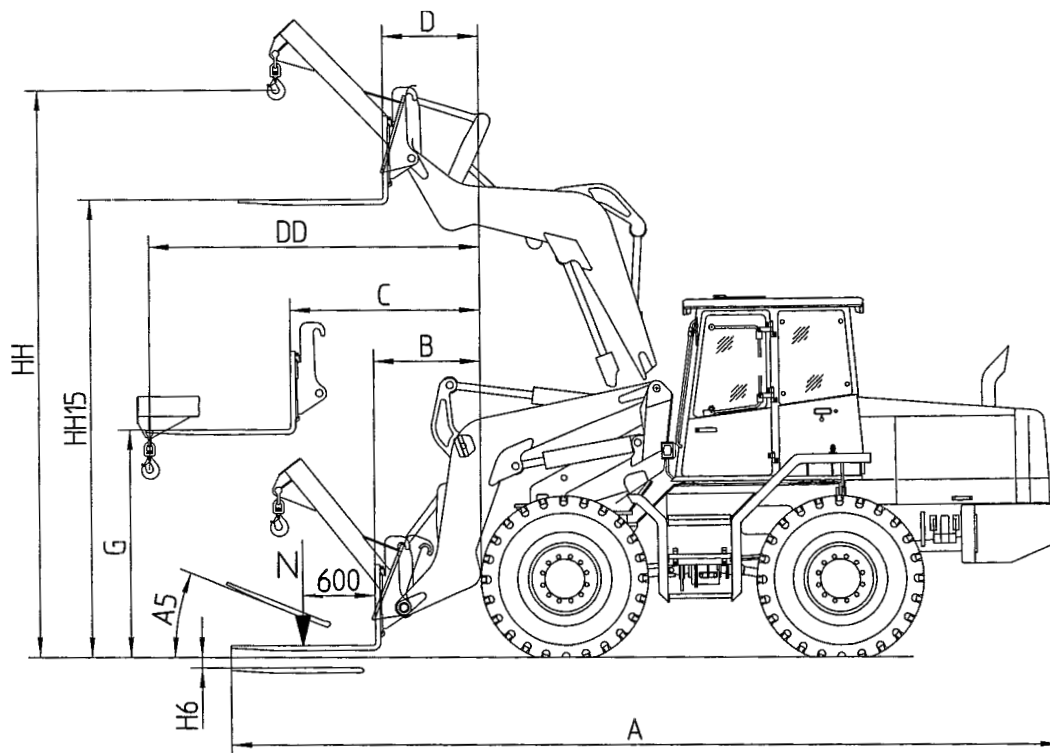
Bucket type		Standard bucket	Lightweight bucket	Multi-purpose bucket
Bucket volume	m ³	2,1	2,4	1,8
Bucket width	mm	2.700	2.700	2.700
Dead weight	kg	730	760	840
Loads acc. to ISO 14397				
Bulk density	t/m ³	1,8	1,5	2,0
Dump load				
- frontal	kg	7.800	7.750	7.600
- swivelled	kg	7.450	7.350	7.200
Payload				
- frontal	kg	3.900	3.875	3.800
- swivelled	kg	3.725	3.675	3.600
A	Total length	mm	7.155	7.255
AA4	Max. dump angle	°	95	95
A2	Max. dump angle	°	45	45
B	Max. dumping distance at dumping angle 45°	mm	2.190	2.270
G	Dumping height at max. dumping distance and dumping angle 45°	mm	1.350	1.290
H6	Depth of feed-in	mm	90	90
H8	Dumping height at max. lifting height and dumping angle 45°	mm	3.420	3.360
H10	Max. working height	mm	5.600	5.680
J	Free lift height	mm	3.660	3.660
LL	Dumping distance at max. lifting height and dumping angle 45°	mm	890	970
L6	Dumping distance at max. lifting height and dumping angle 45°	mm	1.335	1.415
RR	Max. dumping distance at dumping angle 45°	mm	1.740	1.820
Multipurpose bucket opened:				
D	Dumping distance at max. lifting height and tilted bucket	mm	-	-
HH13	Max. dumping height with tilted bucket	mm	-	-
MM	Dumping distance at max. lifting height and tilted bucket	mm	-	-

12.1.2 Fork-lift attachment

Dimensions acc. to ISO 7131/35

12.1.3 Lifting hook

Dimensions acc. to ISO 7131/35



12.1.2 Fork-lift attachment

Tine length	1.600 mm
Tine height	70 mm
Dead weight	340 kg

Perm. payload N acc. to EN 474-3
frontal

- level ground (stability factor 1.25)	5.300 kg
- uneven ground (stability factor 1.67)	3.975 kg

swivelled

- level ground (stability factor 1.25)	4.500 kg
- uneven ground (stability factor 1.67)	3.375 kg

Perm. payload N (fork-lift attachment 300 mm above ground)
frontal

- level ground (stability factor 1.25)	6.400 kg
- uneven ground (stability factor 1.67)	4.800 kg

A	Total length	7.950 mm
A5	Tilt angle	25°
B	Min. reach	1.095 mm
C	Max. reach	1.810 mm
D	Reach at max. lifting height	950 mm
G	Free lift height at max. reach	2.000 mm
H6	Depth of feed-in	100 mm
HH15	Free lift height at max. reach (upper tine edge)	4.100 mm
KK	Max. reach	1.390 mm
LL	Distance between tyre and payload	1.750 mm
MM	Reach at max. lifting height	500 mm
PP	Min. free lift height	750 mm

12.1.3 Lifting hook

Perm. payload acc. to DIN EN 474-3

Max. outreach (stability factor 2)

- frontal	2.350 kg
- swivelled	1.750 kg

Dead weight	kg
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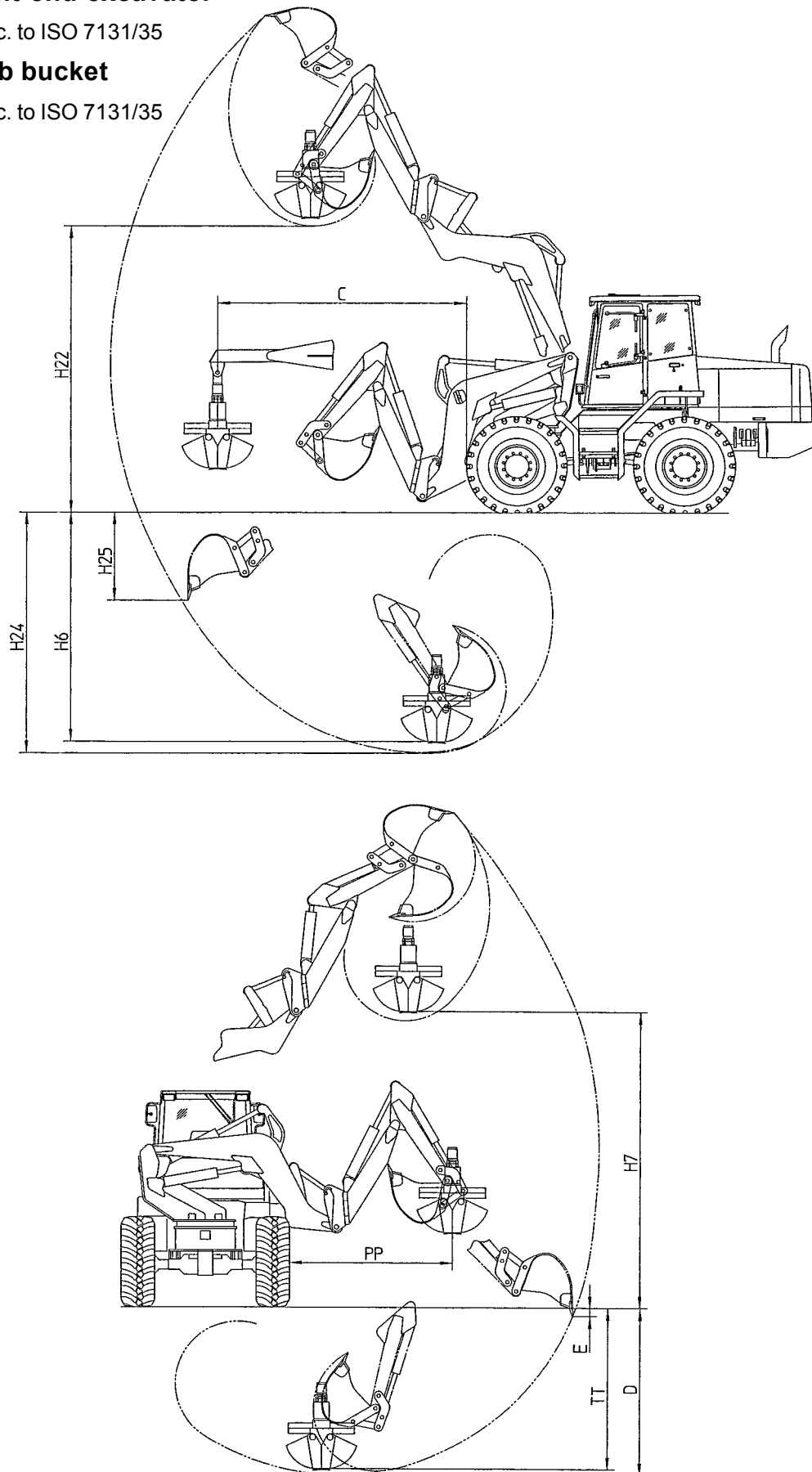
A	Total length	7.385 mm
DD	Max. outreach	3.480 mm
HH	Max. lifting height	5.425 mm
RR	Max. outreach	3.030 mm

12.1.4 Front-end excavator

Dimensions acc. to ISO 7131/35

12.1.5 Grab bucket

Dimensions acc. to ISO 7131/35



12.1.4 Front-end excavator

Max. breakout force at the shovel cutting edge 6.200 daN

Max. tear-out force at the shovel cutting edge 3.100 daN

Shovel volume acc. to DIN ISO 7451	Shovel width acc. to DIN ISO 7451	Dead weight
0,129 m³	300 mm	174 kg
0,193 m³	450 mm	194 kg
0,257 m³	600 mm	230 kg
0,343 m³	800 mm	275 kg

D Max. digging depth over cutting edge acc. to DIN ISO 7135 2.650 mm

E Depth of feed-in 100 mm

H22 Max. dumping height acc. to DIN ISO 7135 3.900 mm

H24 Max. digging depth over cutting edge acc. to DIN ISO 7135 3.420 mm

H25 Depth of feed-in 1.420 mm

Working times at $n_{\text{engine max.}}$:

- Stalk extension 0,8 s
- Stalk retraction 1,6 s
- Opening shovel 0,8 s
- Closing shovel 1,6 s

12.1.5 Grab bucket

Grab bucket type	Grab bucket volume	Scoop width	Dead weight
	0,245 m³	600 mm	510 kg

C Max. dumping distance 4.065 mm

H6 Max. grab depth over cutting edge 3.270 mm

H7 Max. free lift height over shovel floor 4.100 mm

TT Max. grab depth over cutting edge 2.500 mm



NOTE

Only the grab buckets listed in the table above may be attached.

12.2 Loaders with claw locks (Kat. IV)

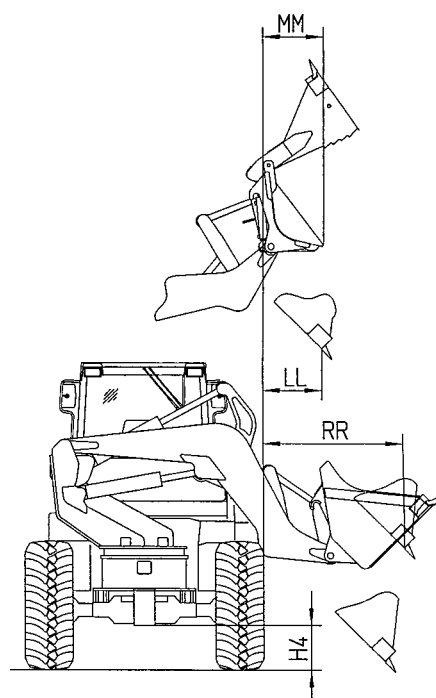
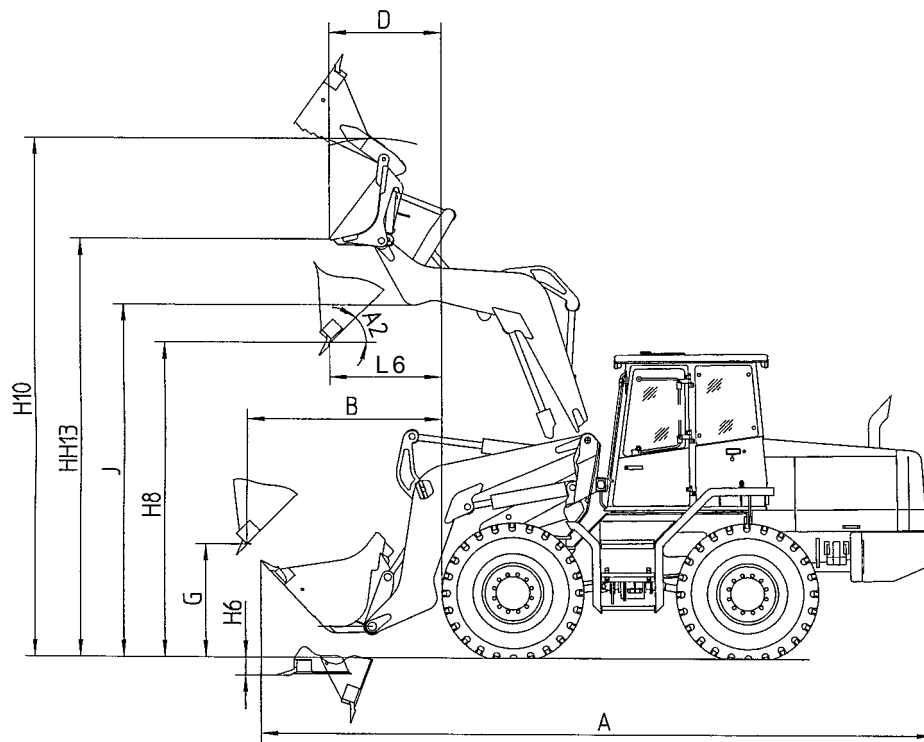


NOTE

The technical data refer to 20.5 -25 tyres.

12.2.1 Buckets

Dimensions acc. to ISO 7131/35



12.2.1 Buckets

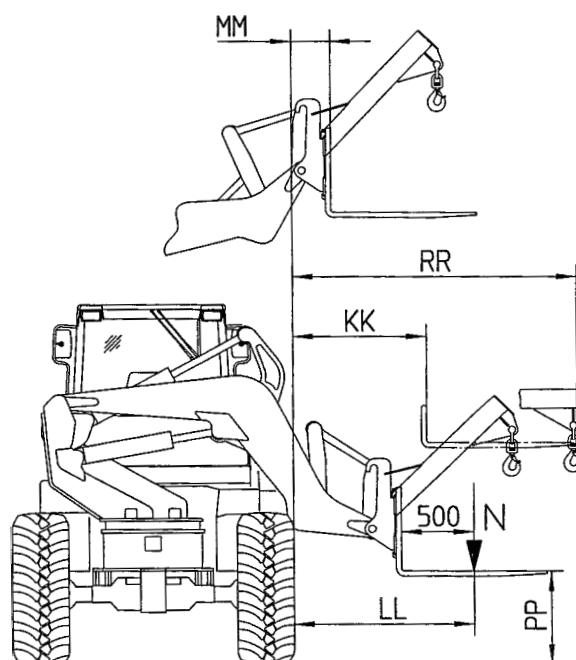
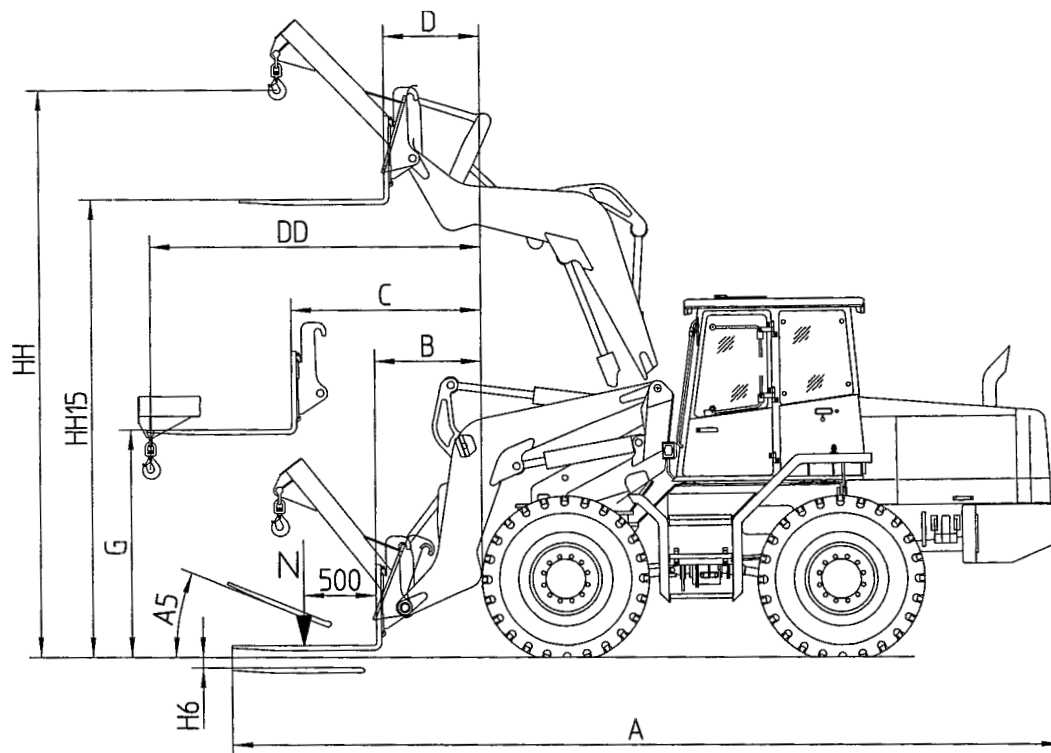
Bucket type		Standard bucket	Lightweight bucket	Multi-purpose bucket
Bucket volume	m ³	2,1	2,4	1,8
Bucket width	mm	2.700	2.700	2.700
Dead weight	kg	730	760	840
Loads acc. to ISO 14397				
Bulk density	t/m ³	1,8	1,5	2,0
Dump load				
- frontal	kg	7.650	7.600	7.550
- swivelled	kg	7.500	7.400	7.300
Payload				
- frontal	kg	3.825	3.800	3.775
- swivelled	kg	3.750	3.700	3.650
A Total length	mm	6.850	7.000	6.840
AA4 Max. dump angle	°	100	100	
A2 Max. dump angle	°	50	50	50
B Max. dumping distance at dumping angle 45°	mm	2.100	2.170	2.170
G Dumping height at max. dumping distance and dumping angle 45°	mm	1.200	1.140	1.135
H6 Depth of feed-in	mm	70	70	70
H8 Dumping height at max. lifting height and dumping angle 45°	mm	3.120	3.060	3.055
H10 Max. working height	mm	5.450	5.530	5.425
J Free lift height	mm	3.660	3.660	3.660
LL Dumping distance at max. lifting height and dumping angle 45°	mm	1.010	1.090	1.100
L6 Dumping distance at max. lifting height and dumping angle 45°	mm	1.465	1.545	1.555
RR Max. dumping distance at dumping angle 45°	mm	1.650	1.730	1.720
Multipurpose bucket opened:				
D Dumping distance at max. lifting height and tilted bucket	mm	-	-	1.010
HH13 Max. dumping height with tilted bucket	mm	-	-	3.965
MM Dumping distance at max. lifting height and tilted bucket	mm	-	-	560

12.2.2 Fork-lift attachment

Dimensions acc. to ISO 7131/35

12.2.3 Lifting hook

Dimensions acc. to ISO 7131/35



12.2.2 Fork-lift attachment

Tine length	1.600 mm
Tine height	70 mm
Dead weight	340 kg

Perm. payload N acc. to EN 474-3
frontal

- level ground (stability factor 1.25)	5450 kg
- uneven ground (stability factor 1.67)	4100 kg

swivelled

- level ground (stability factor 1.25)	4770 kg
- uneven ground (stability factor 1.67)	3600 kg

Perm. payload N (fork-lift attachment 300 mm above ground)
frontal

- level ground (stability factor 1.25)	6.600 kg
- uneven ground (stability factor 1.67)	4.950 kg

A	Total length	7.600 mm
A5	Tilt angle	25°
B	Min. reach	900 mm
C	Max. reach	1.560 mm
D	Reach at max. lifting height	820 mm
G	Free lift height at max. reach	1855 mm
H6	Depth of feed-in	110 mm
HH15	Free lift height at max. reach (upper tine edge)	3.830 mm
KK	Max. reach	1.110 mm
LL	Distance between tyre and payload	1.500 mm
MM	Reach at max. lifting height	370 mm
PP	Min. free lift height	780 mm

12.2.3 Lifting hook

Perm. payload acc. to DIN EN 474-3
Max. outreach (stability factor 2)

- frontal	2530 kg
- swivelled	1930 kg

Dead weight	240 kg
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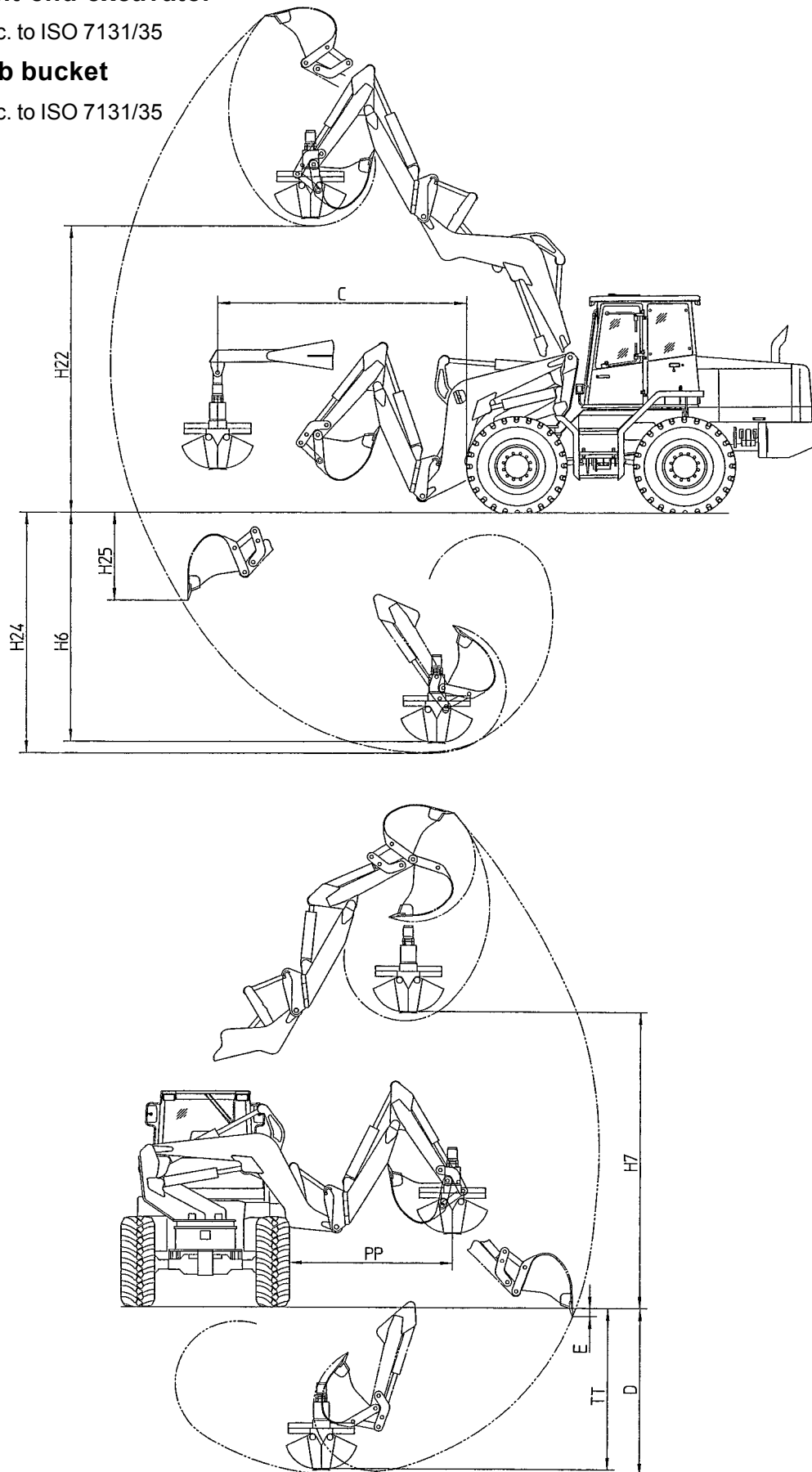
A	Total length	7.085 mm
DD	Max. outreach	3.235 mm
HH	Max. lifting height	5.225 mm
RR	Max. outreach	2.785 mm

12.2.4 Front-end excavator

Dimensions acc. to ISO 7131/35

12.2.5 Grab bucket

Dimensions acc. to ISO 7131/35



12.2.4 Front-end excavator

Max. breakout force at the shovel cutting edge 6.200 daN

Max. tear-out force at the shovel cutting edge 3.100 daN

Shovel volume acc. to DIN ISO 7451	Shovel width acc. to DIN ISO 7451	Dead weight
0,129 m³	300 mm	174 kg
0,193 m³	450 mm	194 kg
0,257 m³	600 mm	230 kg
0,343 m³	800 mm	275 kg

D Max. digging depth over cutting edge acc. to DIN ISO 7135 2.750 mm

E Depth of feed-in 100 mm

H22 Max. dumping height acc. to DIN ISO 7135 3.640 mm

H24 Max. digging depth over cutting edge acc. to DIN ISO 7135 3.520 mm

H25 Depth of feed-in 1.450 mm

Working times at $n_{\text{engine max.}}$:

- Stalk extension 0,8 s
- Stalk retraction 1,6 s
- Opening shovel 0,8 s
- Closing shovel 1,6 s

12.2.5 Grab bucket

Grab bucket type	Grab bucket volume	Scoop width	Dead weight
	0,245 m³	600 mm	510 kg

C Max. dumping distance 3.820 mm

H6 Max. grab depth over cutting edge 3.350 mm

H7 Max. free lift height over shovel floor 3.815 mm

TT Max. grab depth over cutting edge 2.580 mm



NOTE

Only the grab buckets listed in the table above may be attached.