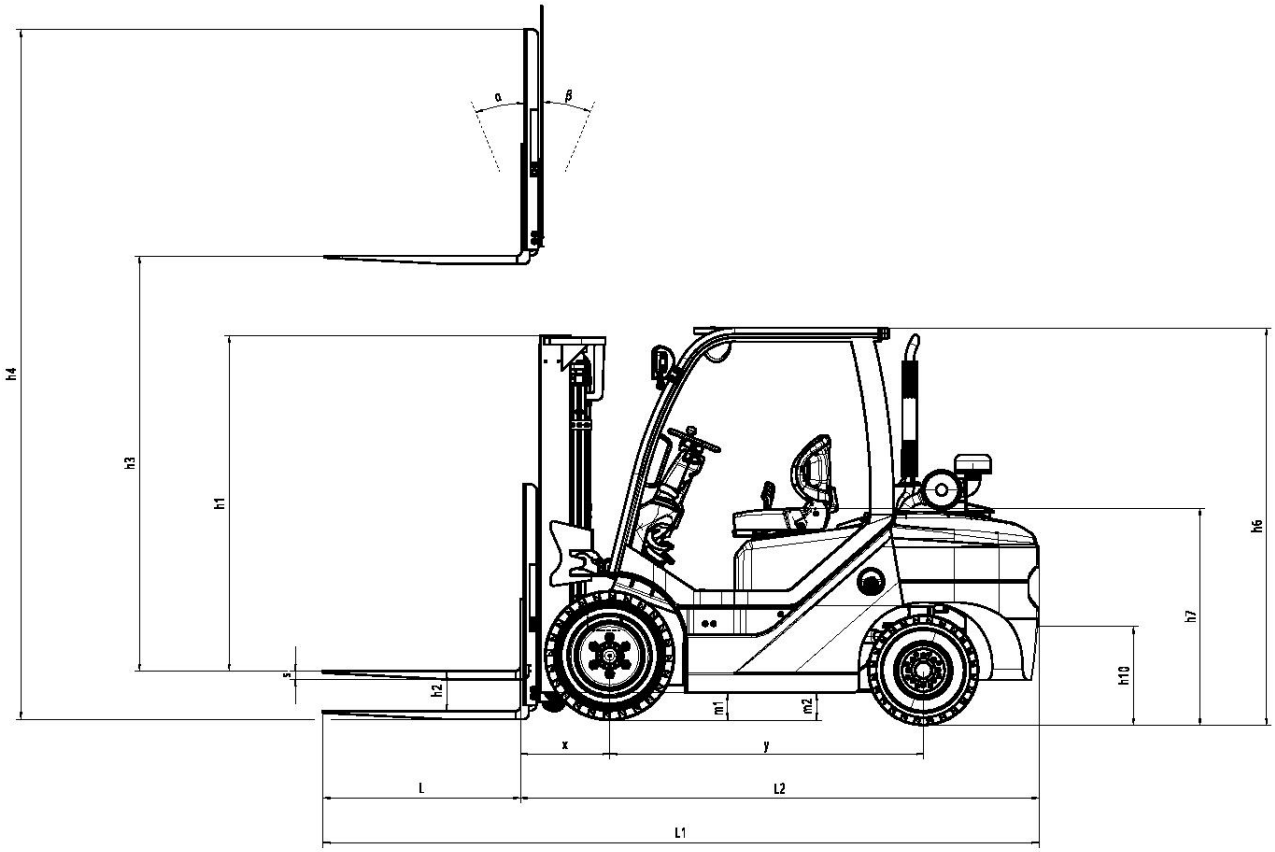
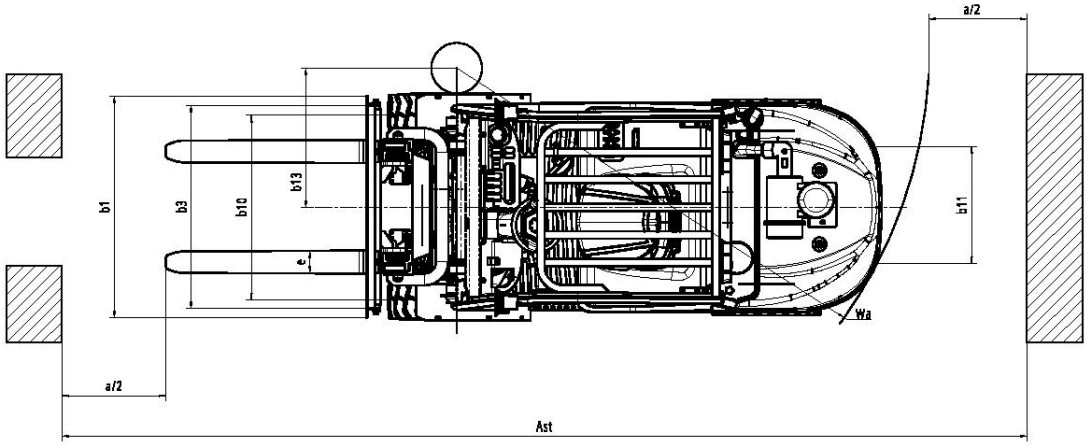
Baoli
KBD 25-35+

Baoli

1.1	Manufacturer		KION BAOLI	KION BAOLI
1.2	Manufacturer's type designation		KBD 25+ EU5	KBD 30+ EU5
1.3	Drive: electric, diesel, petrol, fuel gas		Diesel	Diesel
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated
1.5	Rated capacity / Rated load	Q (t)	2.5	3,0
1.6	Load centre distance	c (mm)	500	500
1.8	Load distance, centre of drive axle to fork	x (mm)	479	484
1.9	Wheelbase	y (mm)	1700	1700
2.1	Service weight	Kg	4050	4500
2.2	Axle loading, laden front/rear	Kg	5820/730	6580/920
2.3	Axle loading, unladen front/rear	Kg	1530/2520	1800/2700
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		SE	SE
3.2	Tyre size, front		28×9-15-14PR	28×9-15-14PR
3.3	Tyre size, rear		6,50-10-10PR	6,50-10-10PR
3.6	Tread, front	b10 (mm)	1000	1000
3.7	Tread, rear	b11 (mm)	970	970
4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	6/12	6/12
4.2	Height, mast lowered	h1 (mm)	2080	2080
4.3	Free lift	h2 (mm)	140	145
4.4	Lift	h3 (mm)	3000	3000
4.5	Heigh, mast extended	h4 (mm)	4040	4273
4.7	Height of overhead guard (cabin)	h6 (mm)	2110	2110
4.8	Seat height/stand height	h7 (mm)	1165	1165
4.12	Coupling height	h10 (mm)	300	300
4.19	Overall length	l1 (mm)	3730	3780
4.20	Length to face of forks	l2 (mm)	2660	2710
4.21	Overall width	b1/b2 (mm)	1225	1225
4.22	Fork dimensions ISO 2331	s/e/l (mm)	40/122/1070	45/125/1070
4.23	Fork carriage ISO 2328, class/type A, B		II A	III A
4.24	Fork carriage width	b3 (mm)	1040	1100
4.31	Ground clearance, laden, below mast	m1 (mm)	135	135
4.32	Ground clearance, centre of wheelbase	m2 (mm)	140	140
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	4119	4144
4.34.2	Aisle width for pallets 800 x 1200 crossways	Ast (mm)	4319	3944
4.35	Turning radius	Wa (mm)	2440	2460
4.36	Internal turning radius	b13 (mm)	810	810
5.1	Travel speed, laden/unladen	km/h	18/18	18/18
5.2	Lift speed, laden/unladen	m/s	0,570/0,590	0,520/0,580
5.3	Lowering speed, laden/unladen	m/s	0,480/0,400	0,480/0,400
5.5	Drawbar pull, laden/unladen	kN	19/16	19/16
5.7	Gradeability, laden/unladen	%	20	20
5.10	Service brake		Mech/Hydr	Mech/Hydr
7.1	Engine manufacturer/type		Doosan DM02	Doosan DM02
7.2	Engine power according to ISO 1585	kW	36.4	36.4
7.3	Rated speed	min-1	2400	2400
7.4	Number of cylinders/displacement	cm3	4/2400	4/2400
7.5	Fuel consumption according to VDI cycle	l/h or kg/h	3,5 l/h	3,8 l/h
7.9	Vehicle electrical system voltage	V	12	12
8.1	Type of drive unit		Hydrodynamic	Hydrodynamic
10.4	Fuel tank, capacity	l/kg	62	62
10.8	Towing coupling, type DIN		Pin	Pin


α
β
h4
h3
h1
h6
h7
h10
s
h2
m1
m2
x
y
L
L2
L1


a/2
b1
b3
b10
b13
e
b11
Wa
a/2
Ast

KBD 25+ EU5										
Mast type	H3	Rated Capacity - Load center 500 mm	Rated Capacity - Load center 500 mm - with Sideshift	Rated Capacity - Load center 500 mm - Twin tyres	Rated Capacity - Load center 500 mm - Twin tyres - with Sideshift	H1	H4 with load backrest	H2 without load backrest	H2 with load backrest	Mast angle Front/back
VM Tele	3000	2500	2350	2500	2350	2080	4040	140	140	6/12
	3300	2500	2350	2500	2350	2230	4340	140	140	6/12
	3500	2500	2350	2500	2350	2330	4540	140	140	6/12
	4000	2500	2350	2500	2350	2630	5040	140	140	6/8
	4500	2500	2350	2500	2350	2880	5540	140	140	6/6
	5000	2500	2350	2500	2350	3130	6040	140	140	3/6
	5500	2500	2350	2500	2350	3430	6540	140	140	3/6
VFM 2 stage	3000	2500	2350	2500	2350	2080	4040	1425	1080	6/12
	3300	2500	2350	2500	2350	2230	4340	1570	1230	6/12
	3500	2500	2350	2500	2350	2330	4540	1675	1330	6/12
	4000	2500	2350	2500	2350	2630	5040	1975	1630	6/8
	4500	2500	2350	2500	2350	2880	5540	2225	1880	6/6
VFHM triplex	4350	2500	2350	2500	2350	2130	5390	1500	1130	6/6
	4500	2500	2350	2500	2350	2180	5540	1550	1180	6/6
	4700	2500	2350	2500	2350	2245	5740	1615	1245	6/6
	4800	2500	2350	2500	2350	2280	5840	1650	1280	6/6
	5000	2500	2350	2500	2350	2423	6040	1793	1423	6/6
	5400	2500	2350	2500	2350	2623	6440	1993	1623	3/6
	5500	2500	2350	2500	2350	2657	6540	2027	1657	3/6
	6000	1950	1800	2500	2350	2890	7040	2260	1890	3/6

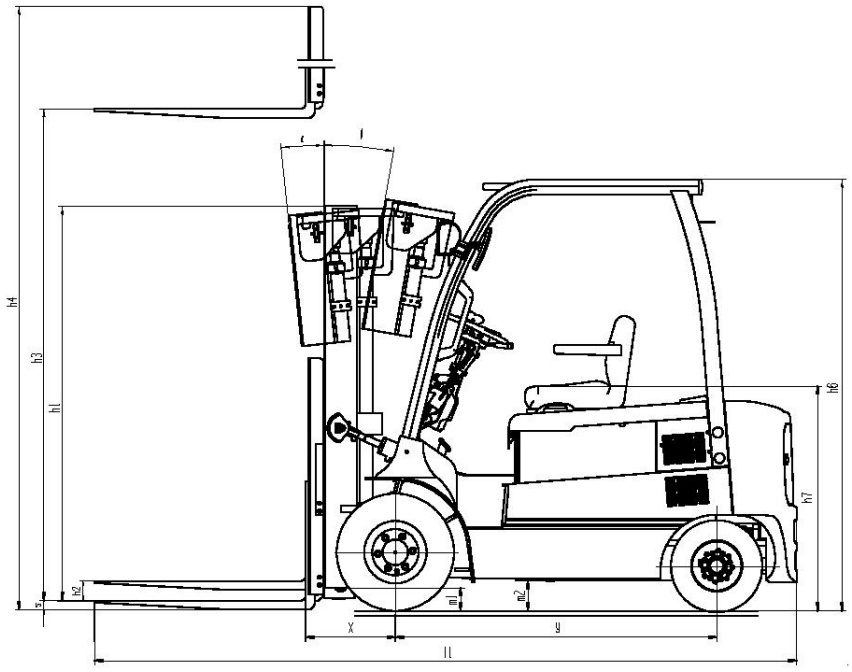
KBD 30+ EU5										
Mast type	H3	Rated Capacity - Load center 500 mm	Rated Capacity - Load center 500 mm - with Sideshift	Rated Capacity - Load center 500 mm - Twin tyres	Rated Capacity - Load center 500 mm - Twin tyres - with Sideshift	H1	H4 with load backrest	H2 without load backrest	H2 with load backrest	Mast angle Front/back
VM Tele	3000	3000	2850	3000	2850	2080	4273	145	145	6/12
	3300	3000	2850	3000	2850	2230	4573	145	145	6/12
	3500	3000	2850	3000	2850	2330	4773	145	145	6/12
	4000	3000	2850	3000	2850	2630	5273	145	145	6/8
	4500	3000	2850	3000	2850	2880	5773	145	145	6/6
	5000	3000	2850	3000	2850	3130	6273	145	145	3/6
VFM 2 stage	3000	3000	2850	3000	2850	2080	4273	1422	857	6/12
	3300	3000	2850	3000	2850	2230	4573	1572	1007	6/12
	3500	3000	2850	3000	2850	2330	4773	1672	1107	6/12
	4000	3000	2850	3000	2850	2630	5273	1972	1407	6/8
	4500	3000	2850	3000	2850	2880	5773	2222	1657	6/6
VFHM triplex	4350	3000	2850	3000	2850	2130	5623	1501	907	6/6
	4500	3000	2850	3000	2850	2180	5773	1551	957	6/6
	4700	3000	2850	3000	2850	2245	5973	1616	1022	6/6
	4800	3000	2850	3000	2850	2280	6073	1651	1057	6/6
	5000	3000	2850	3000	2850	2423	6273	1794	1200	6/6
	5400	3000	2850	3000	2850	2623	6673	1994	1400	3/6
	5500	3000	2850	3000	2850	2657	6773	2028	1434	3/6
	6000	2400	2250	3000	2850	2890	7273	2261	1667	3/6

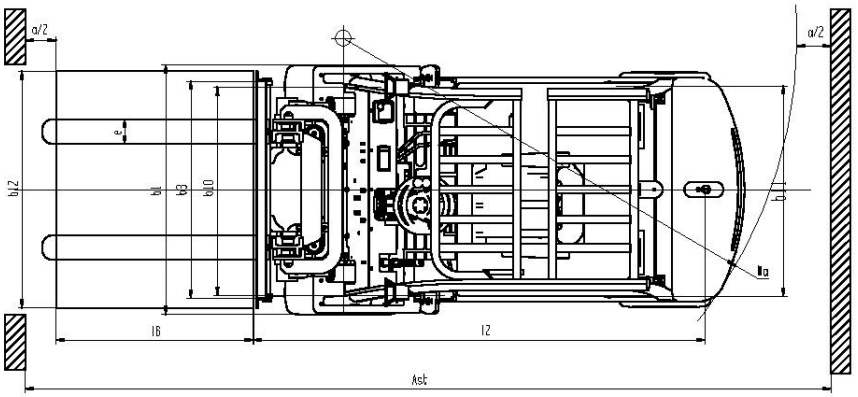
Baoli

KBE 30-35

Baoli

1.1	Manufacturer		KION BAOLI
1.2	Manufacturer's type designation		KBE 30
1.3	Drive: electric, diesel, petrol, fuel gas		Electric
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated
1.5	Rated capacity / Rated load	Q (t)	3,0
1.6	Load centre distance	c (mm)	500
1.8	Load distance, centre of drive axle to fork	x (mm)	464
1.9	Wheelbase	y (mm)	1630
2.1	Service weight	Kg	4780
2.2	Axle loading, laden front/rear	Kg	6730/1050
2.3	Axle loading, unladen front/rear	Kg	2170/2610
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		S/E
3.2	Tyre size, front		23×9-10
3.3	Tyre size, rear		18×7-8
3.5	Wheels, number front/rear (x = driven wheels)		2x/2
3.6	Tread, front	b10 (mm)	1040
3.7	Tread, rear	b11 (mm)	980
4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	6/10
4.2	Height, mast lowered	h1 (mm)	2040
4.3	Free lift	h2 (mm)	100
4.4	Lift	h3 (mm)	3000
4.5	Heigh, mast extended	h4 (mm)	4273
4.7	Height of overhead guard (cabin)	h6 (mm)	2164
4.8	Seat height/stand height	h7 (mm)	1000
4.12	Coupling height	h10 (mm)	255
4.19	Overall length	l1 (mm)	3559
4.20	Length to face of forks	l2 (mm)	2489
4.21	Overall width	b1/b2 (mm)	1265
4.22	Fork dimensions ISO 2331	s/e/l (mm)	45/125/1070
4.23	Fork carriage ISO 2328, class/type A, B		III A
4.24	Fork carriage width	b3 (mm)	1100
4.31	Ground clearance, laden, below mast	m1 (mm)	105
4.32	Ground clearance, centre of wheelbase	m2 (mm)	140
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	3894
4.34.2	Aisle width for pallets 800 x 1200 crossways	Ast (mm)	3694
4.35	Turning radius	Wa (mm)	2230
4.36	Internal turning radius	b13 (mm)	1345
5.1	Travel speed, laden/unladen	km/h	12/14
5.2	Lift speed, laden/unladen	m/s	0,280/0,420
5.3	Lowering speed, laden/unladen	m/s	0,410/0,330
5.8	Max gradeability, laden/unladen	%	10/15
5.10	Service brake		Electromechanical
6.1	Drive motor rating S2 60 min	kW	9
6.2	Lift motor rating at S3 15%	kW	19
6.4	Battery voltage/nominal capacity K5	V/Ah	80 / 500/600
6.5	Battery weight	kg	1375~1500
6.6	Energy consumption according to VDI cycle	kWh/h	7,0
10.1	Operating pressure for attachments	bar	160
10.7	Sound pressure level at driver's seat	dB (A)	≤75


h4
h3
h1
h2
h6
h7
m1
m2
x
y
l1


a/2
a/2
b12
b4
b3
b10
b11
l6
l2
Ast

KBE 30								
Mast type	H3	Rated Capacity - Load center 500 mm	Rated Capacity - Load center 500 mm - with Sideshift	H1	H4 with load backrest	H2 without load backrest	H2 with load backrest	Mast angle Front/back
VM Tele	2500	3000	2850	1790	3773	145	145	6/10
	2700	3000	2850	1890	3973	145	145	6/10
	3000	3000	2850	2040	4273	145	145	6/10
	3300	3000	2850	2190	4573	145	145	6/10
	3500	3000	2850	2290	4773	145	145	6/10
	3700	3000	2850	2390	4973	145	145	6/10
	4000	2850	2700	2590	5273	145	145	6/8
	4500	2500	2350	2840	5773	145	145	6/6
VFM 2 stage	2500	3000	2850	1790	3773	1127	557	6/10
	2700	3000	2850	1890	3973	1227	657	6/10
	3000	3000	2850	2040	4273	1377	807	6/10
	3300	3000	2850	2190	4573	1527	957	6/10
	3500	3000	2850	2290	4773	1627	1057	6/10
	3700	3000	2850	2390	4973	1727	1157	6/10
	4000	2850	2700	2590	5273	1927	1357	6/8
	4500	2500	2350	2840	5773	2117	1607	6/6
VFHM triplex	4000	2750	2600	1965	5273	1350	732	6/6
	4350	2600	2450	2090	5623	1475	857	6/6
	4500	2400	2250	2140	5773	1525	907	6/6
	4700	2200	2050	2205	5973	1590	972	6/6
	4800	2200	2050	2240	6073	1625	1007	6/6
	5000	2000	1850	2383	6273	1768	1150	6/6
	5400	1500	1350	2583	6673	1968	1350	3/6
	5500	1500	1350	2617	6773	2002	1384	3/6
	6000	1100	950	2850	7273	2235	1617	3/6
	6500	700	550	3100	7800	2350	1850	3/3