



KBD 15 - 35+

1.1	Manufacturer		KION BAOLI	KION BAOLI	KION BAOLI
1.2	Manufacturer's type designation		KBD 15+	KBD 15+ EU5	KBD 18+
1.3	Drive: electric, diesel, petrol, fuel gas		Diesel	Diesel	Diesel
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated
1.5	Rated capacity / Rated load	Q (t)	1.5	1.5	1.8
1.6	Load centre distance	c (mm)	500	500	500
1.8	Load distance, centre of drive axle to fork	x (mm)	435	435	435
1.9	Wheelbase	y (mm)	1500	1500	1500
2.1	Service weight	Kg	3040	3100	3210
2.2	Axle loading, laden front/rear	Kg	3840/700	3800/600	4330/680
2.3	Axle loading, unladen front/rear	Kg	1380/1660	1080/2020	1340/1870
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		SE	SE	SE
3.2	Tyre size, front		6,50-10-14PR	6,50-10-14PR	6,50-10-14PR
3.3	Tyre size, rear		5,00-8-10PR	5,00-8-10PR	5,00-8-10PR
3.6	Tread, front	b10 (mm)	940	940	940
3.7	Tread, rear	b11 (mm)	920	920	920
4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	6/12	6/12	6/12
4.2	Height, mast lowered	h1 (mm)	2002	2002	2002
4.3	Free lift	h2 (mm)	128	128	128
4.4	Lift	h3 (mm)	3000	3000	3000
4.5	Height, mast extended	h4 (mm)	4040	4040	4040
4.7	Height of overhead guard (cabin)	h6 (mm)	2065	2085	2065
4.8	Seat height/stand height	h7 (mm)	1010	1140	1010
4.12	Coupling height	h10 (mm)	220	220	220
4.19	Overall length	l1 (mm)	3282	3282	3316
4.20	Length to face of forks	l2 (mm)	2362	2362	2396
4.21	Overall width	b1/b2 (mm)	1140	1140	1140
4.22	Fork dimensions ISO 2331	s/e/l (mm)	35/120/920	35/120/1070	35/120/920
4.23	Fork carriage ISO 2328, class/type A, B		II A	II A	II A
4.24	Fork carriage width	b3 (mm)	1040	1040	1040
4.31	Ground clearance, laden, below mast	m1 (mm)	110	110	110
4.32	Ground clearance, centre of wheelbase	m2 (mm)	105	105	105
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	3795	3795	3815
4.34.2	Aisle width for pallets 800 x 1200 crossways	Ast (mm)	3595	3595	3615
4.35	Turning radius	Wa (mm)	2160	2160	2180
4.36	Internal turning radius	b13 (mm)	601.5	601.5	601.5
5.1	Travel speed, laden/unladen	km/h	16/16	17/17	15/16
5.2	Lift speed, laden/unladen	m/s	0,505/0,640	0,650/0,760	0,445/0,650
5.3	Lowering speed, laden/unladen	m/s	0,375/0,395	0,480/0,430	0,405/0,415
5.5	Drawbar pull, laden/unladen	kN	11,5/10,7	15/10	11,5/10,7
5.7	Gradeability, laden/unladen	%	20	20	20
5.10	Service brake		Mech/Hydr	Mech/Hydr	Mech/Hydr
7.1	Engine manufacturer/type		Isuzu C240	Doosan DM02	Isuzu C240
7.2	Engine power according to ISO 1585	kW	34.6	36.4	34.6
7.3	Rated speed	min-1	2500	2400	2500
7.4	Number of cylinders/displacement	cm3	4/2369	4/2400	4/2369
7.5	Fuel consumption at turnover output	l/h or kg/h	-	2 l/h	-
7.9	Vehicle electrical system voltage	V	12	12	12
8.1	Type of drive unit		Hydrodynamic	Hydrodynamic	Hydrodynamic
10.4	Fuel tank, capacity	l/kg	45/37	54	45/37
10.8	Towing coupling, type DIN		Pin	Pin	Pin

1.1	Manufacturer		KION BAOLI	KION BAOLI	KION BAOLI
1.2	Manufacturer's type designation		KBD 18+ EU5	KBD 20+	KBD 20+ EU5
1.3	Drive: electric, diesel, petrol, fuel gas		Diesel	Diesel	Diesel
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated
1.5	Rated capacity / Rated load	Q (t)	1.8	2,0	2,0
1.6	Load centre distance	c (mm)	500	500	500
1.8	Load distance, centre of drive axle to fork	x (mm)	435	435	435
1.9	Wheelbase	y (mm)	1500	1500	1500
2.1	Service weight	Kg	3250	3280	3320
2.2	Axle loading, laden front/rear	Kg	4370/680	4540/700	4460/800
2.3	Axle loading, unladen front/rear	Kg	1320/1930	1320/1960	1300/2020
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		SE	SE	SE
3.2	Tyre size, front		6,50-10-14PR	6,50-10-14PR	6,50-10-14PR
3.3	Tyre size, rear		5,00-8-10PR	5,00-8-10PR	5,00-8-10PR
3.6	Tread, front	b10 (mm)	940	940	940
3.7	Tread, rear	b11 (mm)	920	920	920
4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	6/12	6/12	6/12
4.2	Height, mast lowered	h1 (mm)	2002	2002	2002
4.3	Free lift	h2 (mm)	128	128	128
4.4	Lift	h3 (mm)	3000	3000	3000
4.5	Height, mast extended	h4 (mm)	4040	4040	4040
4.7	Height of overhead guard (cabin)	h6 (mm)	2085	2065	2085
4.8	Seat height/stand height	h7 (mm)	1140	1010	1140
4.12	Coupling height	h10 (mm)	220	220	220
4.19	Overall length	l1 (mm)	3316	3490	3490
4.20	Length to face of forks	l2 (mm)	2396	2420	2420
4.21	Overall width	b1/b2 (mm)	1140	1140	1140
4.22	Fork dimensions ISO 2331	s/e/l (mm)	35/120/1070	40/122/1070	40/122/1070
4.23	Fork carriage ISO 2328, class/type A, B		II A	II A	II A
4.24	Fork carriage width	b3 (mm)	1040	1040	1040
4.31	Ground clearance, laden, below mast	m1 (mm)	110	110	110
4.32	Ground clearance, centre of wheelbase	m2 (mm)	105	105	105
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	3815	3835	3835
4.34.2	Aisle width for pallets 800 x 1200 crossways	Ast (mm)	3615	3635	3635
4.35	Turning radius	Wa (mm)	2180	2200	2200
4.36	Internal turning radius	b13 (mm)	601.5	601.5	601.5
5.1	Travel speed, laden/unladen	km/h	17/17	15/15	17/17
5.2	Lift speed, laden/unladen	m/s	0,590/0,760	0,385/0,645	0,530/0,760
5.3	Lowering speed, laden/unladen	m/s	0,480/0,430	0,465/0,450	0,480/0,430
5.5	Drawbar pull, laden/unladen	kN	15/10	11,5/10,7	15/10
5.7	Gradeability, laden/unladen	%	20	20	20
5.10	Service brake		Mech/Hydr	Mech/Hydr	Mech/Hydr
7.1	Engine manufacturer/type		Doosan DM02	Isuzu C240	Doosan DM02
7.2	Engine power according to ISO 1585	kW	36.4	34.6	36.4
7.3	Rated speed	min-1	2400	2500	2400
7.4	Number of cylinders/displacement	cm3	4/2400	4/2369	4/2400
7.5	Fuel consumption at turnover output	l/h or kg/h	2,2 l/h	-	2,5 l/h
7.9	Vehicle electrical system voltage	V	12	12	12
8.1	Type of drive unit		Hydrodynamic	Hydrodynamic	Hydrodynamic
10.4	Fuel tank, capacity	l/kg	54	45/37	54
10.8	Towing coupling, type DIN		Pin	Pin	Pin

1.1	Manufacturer		KION BAOLI	KION BAOLI	KION BAOLI
1.2	Manufacturer's type designation		KBD 25+	KBD 25+ EU5	KBD 30+
1.3	Drive: electric, diesel, petrol, fuel gas		Diesel	Diesel	Diesel
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated
1.5	Rated capacity / Rated load	Q (t)	2.5	2.5	3,0
1.6	Load centre distance	c (mm)	500	500	500
1.8	Load distance, centre of drive axle to fork	x (mm)	484	479	484
1.9	Wheelbase	y (mm)	1700	1700	1700
2.1	Service weight	Kg	3950	4050	4400
2.2	Axle loading, laden front/rear	Kg	6340/610	5820/730	6610/580
2.3	Axle loading, unladen front/rear	Kg	1880/2250	1530/2520	1820/2640
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		SE	SE	SE
3.2	Tyre size, front		28×9-15-14PR	28×9-15-14PR	28×9-15-14PR
3.3	Tyre size, rear		6,50-10-10PR	6,50-10-10PR	6,50-10-10PR
3.6	Tread, front	b10 (mm)	1000	1000	1000
3.7	Tread, rear	b11 (mm)	970	970	970
4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	6/12	6/12	6/12
4.2	Height, mast lowered	h1 (mm)	2080	2080	2080
4.3	Free lift	h2 (mm)	140	140	145
4.4	Lift	h3 (mm)	3000	3000	3000
4.5	Height, mast extended	h4 (mm)	4050	4040	4273
4.7	Height of overhead guard (cabin)	h6 (mm)	2108	2110	2108
4.8	Seat height/stand height	h7 (mm)	1085	1165	1070
4.12	Coupling height	h10 (mm)	300	300	300
4.19	Overall length	l1 (mm)	3730	3730	3780
4.20	Length to face of forks	l2 (mm)	2660	2660	2710
4.21	Overall width	b1/b2 (mm)	1225	1225	1225
4.22	Fork dimensions ISO 2331	s/e/l (mm)	40/122/1070	40/122/1070	45/125/1070
4.23	Fork carriage ISO 2328, class/type A, B		II A	II A	III A
4.24	Fork carriage width	b3 (mm)	1040	1040	1100
4.31	Ground clearance, laden, below mast	m1 (mm)	135	135	135
4.32	Ground clearance, centre of wheelbase	m2 (mm)	140	140	140
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	4124	4119	4144
4.34.2	Aisle width for pallets 800 x 1200 crossways	Ast (mm)	3924	4319	3944
4.35	Turning radius	Wa (mm)	2440	2440	2460
4.36	Internal turning radius	b13 (mm)	810	810	810
5.1	Travel speed, laden/unladen	km/h	15/16,2	18/18	16,5/17
5.2	Lift speed, laden/unladen	m/s	0,495/0,655	0,570/0,590	0,520/0,595
5.3	Lowering speed, laden/unladen	m/s	0,485/0,370	0,480/0,400	0,475/0,390
5.5	Drawbar pull, laden/unladen	kN	15/10	19/16	15/10
5.7	Gradeability, laden/unladen	%	20	20	20
5.10	Service brake		Mech/Hydr	Mech/Hydr	Mech/Hydr
7.1	Engine manufacturer/type		Mitsubishi S4S	Doosan DM02	Mitsubishi S4S
7.2	Engine power according to ISO 1585	kW	35.3	36.4	35.3
7.3	Rated speed	min-1	2250	2400	2250
7.4	Number of cylinders/displacement	cm3	4/3331	4/2400	4/3331
7.5	Fuel consumption at turnover output	l/h or kg/h	-	3,5 l/h	-
7.9	Vehicle electrical system voltage	V	12	12	12
8.1	Type of drive unit		Hydrodynamic	Hydrodynamic	Hydrodynamic
10.4	Fuel tank, capacity	l/kg	52/45	62	52/45
10.8	Towing coupling, type DIN		Pin	Pin	Pin

1.1	Manufacturer		KION BAOLI	KION BAOLI	KION BAOLI
1.2	Manufacturer's type designation		KBD 30+ EU5	KBD 35+	KBD 35+ EU5
1.3	Drive: electric, diesel, petrol, fuel gas		Diesel	Diesel	Diesel
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated
1.5	Rated capacity / Rated load	Q (t)	3,0	3.5	3.5
1.6	Load centre distance	c (mm)	500	500	500
1.8	Load distance, centre of drive axle to fork	x (mm)	484	484	489
1.9	Wheelbase	y (mm)	1700	1700	1700
2.1	Service weight	Kg	4500	4880	4980
2.2	Axle loading, laden front/rear	Kg	6580/920	7300/1100	7280/1200
2.3	Axle loading, unladen front/rear	Kg	1800/2700	1640/3240	1200/1680
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		SE	SE	SE
3.2	Tyre size, front		28x9-15-14PR	28x9-15-14PR	28x9-15-14PR
3.3	Tyre size, rear		6,50-10-10PR	6,50-10-10PR	6,50-10-10PR
3.6	Tread, front	b10 (mm)	1000	1060	1060
3.7	Tread, rear	b11 (mm)	970	970	970
4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	6/12	6/12	6/12
4.2	Height, mast lowered	h1 (mm)	2080	2230	2230
4.3	Free lift	h2 (mm)	145	145	150
4.4	Lift	h3 (mm)	3000	3000	3000
4.5	Height, mast extended	h4 (mm)	4273	4273	4273
4.7	Height of overhead guard (cabin)	h6 (mm)	2110	2108	2110
4.8	Seat height/stand height	h7 (mm)	1165	1085	1165
4.12	Coupling height	h10 (mm)	300	300	300
4.19	Overall length	l1 (mm)	3780	3880	3880
4.20	Length to face of forks	l2 (mm)	2710	2810	2810
4.21	Overall width	b1/b2 (mm)	1225	1285	1285
4.22	Fork dimensions ISO 2331	s/e/l (mm)	45/125/1070	50/125/1070	50/125/1070
4.23	Fork carriage ISO 2328, class/type A, B		III A	III A	III A
4.24	Fork carriage width	b3 (mm)	1100	1100	1100
4.31	Ground clearance, laden, below mast	m1 (mm)	135	135	135
4.32	Ground clearance, centre of wheelbase	m2 (mm)	140	140	140
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	4144	4224	4229
4.34.2	Aisle width for pallets 800 x 1200 crossways	Ast (mm)	3944	4024	4429
4.35	Turning radius	Wa (mm)	2460	2540	2540
4.36	Internal turning radius	b13 (mm)	810	810	810
5.1	Travel speed, laden/unladen	km/h	18/18	16/17	17/18
5.2	Lift speed, laden/unladen	m/s	0,520/0,580	0,560/0,585	0,460/0,560
5.3	Lowering speed, laden/unladen	m/s	0,480/0,400	0,490/0,395	0,480/0,400
5.5	Drawbar pull, laden/unladen	kN	19/16	16/10	19/16
5.7	Gradeability, laden/unladen	%	20	15	20
5.10	Service brake		Mech/Hydr	Mech/Hydr	Mech/Hydr
7.1	Engine manufacturer/type		Doosan DM02	Mitsubishi S4S	Doosan DM02
7.2	Engine power according to ISO 1585	kW	36.4	35.3	36.4
7.3	Rated speed	min-1	2400	2250	2400
7.4	Number of cylinders/displacement	cm3	4/2400	4/3331	4/2400
7.5	Fuel consumption at turnover output	l/h or kg/h	3,8 l/h	-	4,7 l/h
7.9	Vehicle electrical system voltage	V	12	12	12
8.1	Type of drive unit		Hydrodynamic	Hydrodynamic	Hydrodynamic
10.4	Fuel tank, capacity	l/kg	62	52/45	62
10.8	Towing coupling, type DIN		Pin	Pin	Pin

Diesel and LPG trucks

KBD 15+ - KBD 15+ EU5								
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	3000	1500	1380	2002	4041	128	128	6/12
	3300	1500	1380	2152	4341	128	128	6/12
	4000	1500	1380	2552	5041	128	128	6/8
	4500	1500	1380	2802	5541	128	128	6/6
	5000	1500	1380	3052	6041	128	128	3/6
VFM 2 stage	3000	1500	1380	2002	4041	1411	1001	6/12
	3500	1500	1380	2152	4541	1561	1151	6/12
	4000	1500	1380	2552	5041	1961	1551	6/8
VFHM triplex	4350	1500	1380	2102	5391	1489	1101	6/6
	4500	1500	1380	2152	5541	1539	1151	6/6
	4700	1500	1380	2217	5741	1604	1216	6/6
	4800	1500	1380	2252	5841	1639	1251	6/6
	5000	1350	1230	2395	6041	1782	1394	6/6
	5400	1100	980	2595	6441	1982	1594	3/6
	5500	1000	880	2629	6541	2016	1628	3/6
	6000	700	580	2862	7041	2249	1861	3/6

KBD 18+ - KBD 18+ EU5								
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	3000	1800	1680	2002	4041	128	128	6/12
	3300	1800	1680	2152	4341	128	128	6/12
	4000	1800	1680	2552	5041	128	128	6/8
	4500	1800	1680	2802	5541	128	128	6/6
	5000	1800	1680	3052	6041	128	128	3/6
VFM 2 stage	3000	1800	1680	2002	4041	1411	1001	6/12
	3500	1800	1680	2152	4541	1561	1151	6/12
	4000	1800	1680	2552	5041	1961	1551	6/8
VFHM triplex	4350	1800	1680	2102	5391	1489	1101	6/6
	4500	1800	1680	2152	5541	1539	1151	6/6
	4700	1800	1680	2217	5741	1604	1216	6/6
	4800	1800	1680	2252	5841	1639	1251	6/6
	5000	1650	1530	2395	6041	1782	1394	6/6
	5400	1400	1280	2595	6441	1982	1594	3/6
	5500	1300	1180	2629	6541	2016	1628	3/6
	6000	1000	880	2862	7041	2249	1861	3/6

KBD 20+ - KBD 20+ EU5

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	3000	2000	1880	2002	4041	128	128	6/12
	3300	2000	1880	2152	4341	128	128	6/12
	4000	2000	1880	2552	5041	128	128	6/8
	4500	2000	1880	2802	5541	128	128	6/6
	5000	2000	1880	3052	6041	128	128	3/6
VFM 2 stage	3000	2000	1880	2002	4041	1411	1001	6/12
	3500	2000	1880	2152	4541	1561	1151	6/12
	4000	2000	1880	2552	5041	1961	1551	6/8
VFHM triplex	4350	2000	1880	2102	5391	1489	1101	6/6
	4500	2000	1880	2152	5541	1539	1151	6/6
	4700	2000	1880	2217	5741	1604	1216	6/6
	4800	2000	1880	2252	5841	1639	1251	6/6
	5000	1850	1730	2395	6041	1782	1394	6/6
	5400	1600	1480	2595	6441	1982	1594	3/6
	5500	1500	1380	2629	6541	2016	1628	3/6
6000	1150	1030	2862	7041	2249	1861	3/6	

KBD 25+ - 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+ - 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

KBD 35+ - KBD 35+ 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	3500	3350	3500	3350	2230	4273	150	150	6/12
	3300	3500	3350	3500	3350	2380	4573	150	150	6/12
	3500	3500	3350	3500	3350	2480	4773	150	150	6/12
	4000	3500	3350	3500	3350	2780	5273	150	150	6/8
	4500	3500	3350	3500	3350	3030	5773	150	150	6/6
	5000	3500	3350	3500	3350	3280	6273	150	150	3/6
	5500	3500	3350	3500	3350	3580	6773	150	150	3/6
VFM 2 stage	3000	3500	3350	3500	3350	2080	4273	1422	857	6/12
	3300	3500	3350	3500	3350	2230	4573	1572	1007	6/12
	3500	3500	3350	3500	3350	2330	4773	1672	1107	6/12
	4000	3500	3350	3500	3350	2630	5273	1972	1407	6/8
	4500	3500	3350	3500	3350	2880	5773	2222	1657	6/6
VFHM triplex	4000	3500	3350	3500	3350	2005	5273	1376	782	6/6
	4350	3500	3350	3500	3350	2130	5623	1501	907	6/6
	4500	3500	3350	3500	3350	2180	5773	1551	957	6/6
	4700	3500	3350	3500	3350	2245	5973	1616	1022	6/6
	4800	3500	3350	3500	3350	2280	6073	1651	1057	6/6
	5000	3500	3350	3500	3350	2423	6273	1794	1200	6/6
	5400	3500	3350	3500	3350	2623	6673	1994	1400	3/6
	5500	3500	3350	3500	3350	2657	6773	2028	1434	3/6
	6000	2450	2300	3500	3350	2890	7273	2261	1667	3/6

