



# JAC FORKLIFT

H Series Internal Combustion  
Counterbalanced Forklift Truck

CPC10H / CPCD10H / CPC15H / CPCD15H / CPC18H / CPCD18H  
CPC20H / CPCD20H / CPC25H / CPCD25H / CPC30H / CPCD30H  
CPC35H / CPCD35H / CPC38H / CPCD38H / CPC40H / CPCD40H





***MATERIAL HANDLING EXPERTS  
FROM AUTOMOTIVE QUALITY***



ISO 9001  
ISO 14001  
OHSAS 18001

**JAC HEAVY DUTY IMPORT & EXPORT CO.,LTD**

**NZ DISTRIBUTOR:**

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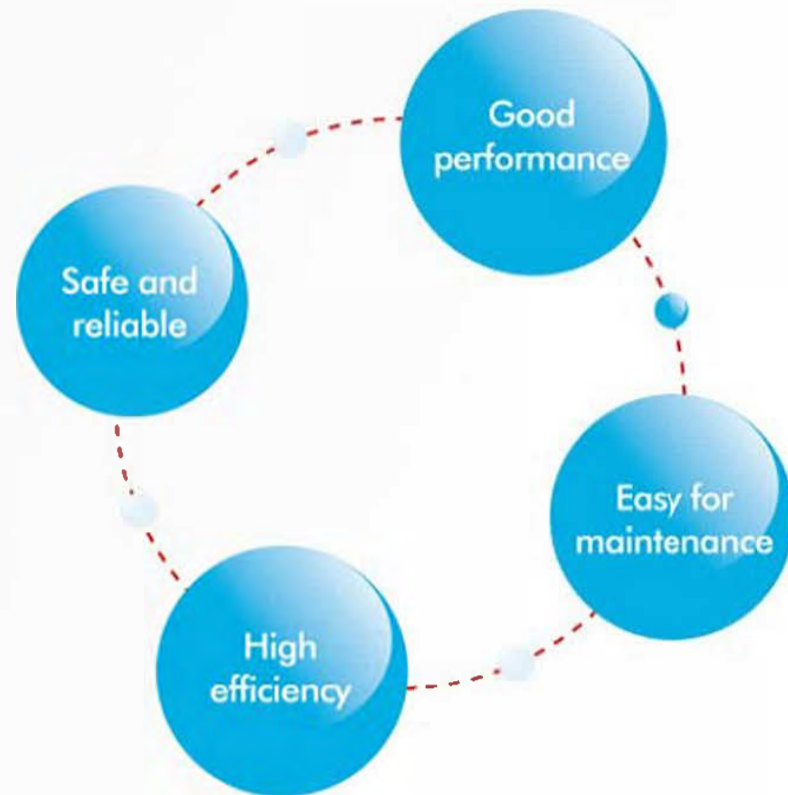
Email: [sales@powerforklifts.co.nz](mailto:sales@powerforklifts.co.nz)





# Selling Points Of H Series 1-4t Internal Combustion Counterbalanced Forklift Trucks

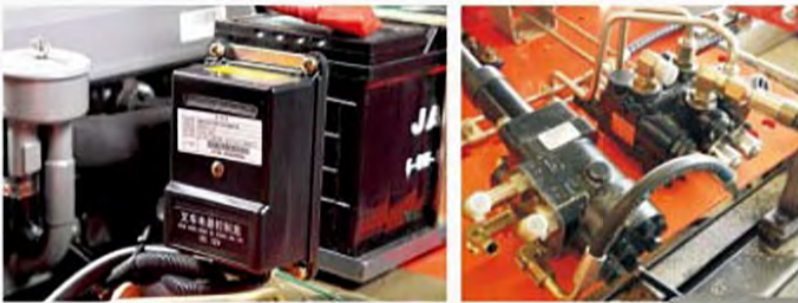
## Four Highlights



## No.1 Good performance

### ◆ Delayed power-off--The first in China

The machine will be powered off in case the machine has been powered on but not in use for at least 10 minutes, which is safe and energy-saving.



### ◆ Load sensing hydraulic system

Load-sensitive hydraulic system ensures the fork to lift with full load while the engine is running idly so as to reduce fuel consumption.

### ◆ Improved longitudinal stability of the forklift

Stability is better than other products of same class.

### ◆ Strengthened chassis

Integrated design with strengthened tail stock ensures safer operation.

### ◆ Enhanced working unit

Lifting speed is improved by 5%.



### ◆ Three-gear drive mode

Mast, chains and oil tanks of 1.5t-3.5t internal combustion forklift are enhanced for operation with heavy load.







## No.2 Safe and reliable

### ◆ Engine electrical system adopts water-proof connectors

The imported water-proof connectors are more reliable.

Water-proof grade Ip65

### ◆ Reliable sealing of oil tank cover

The cover adopts flange sealing against leak.



### ◆ 24° cone+Oring

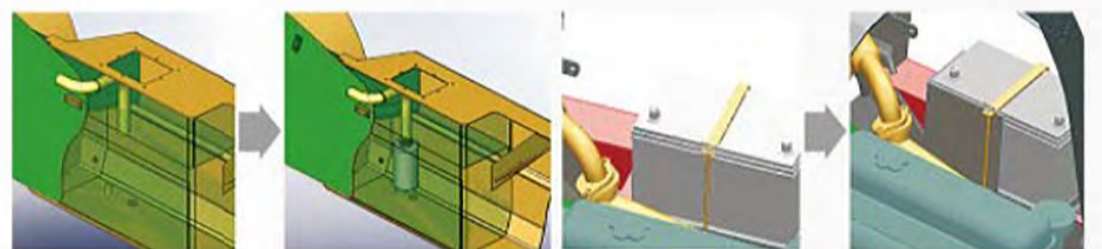
The hydraulic system adopts the most advanced sealing.

### ◆ High quality hydraulic system

The system is equipped with a return oil filter to improve reliability and service life.

### ◆ Battery insulation plate

Insulation plates are provided between the battery and exhaust pipe for 2-3.5t internal combustion forklift to prolong service life of battery.



## No.3 High efficiency

### ◆ Spacious cab

Ergonomics-based design ensures easy operation.

### ◆ Wide mast

Wide mast broadens visual field.



## No.4 Easy for maintenance

### ◆ Early-warning of instruments service is provided

Regular early-warning of instruments service realizes intelligent service.

### ◆ Large opening angle of engine hood

The engine hood can be lifted to 80° for easy maintenance.

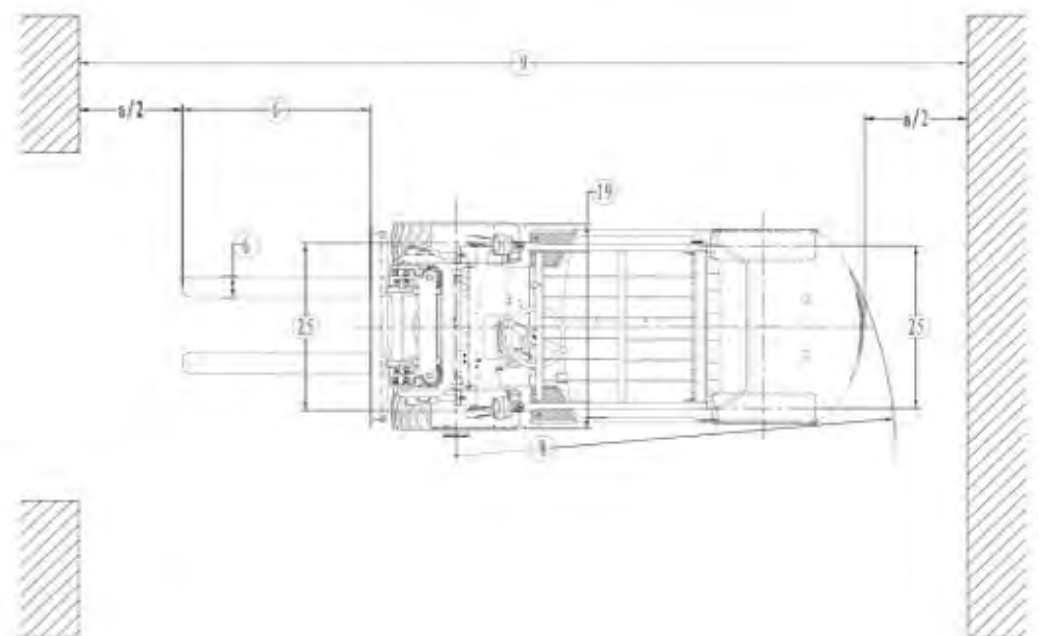
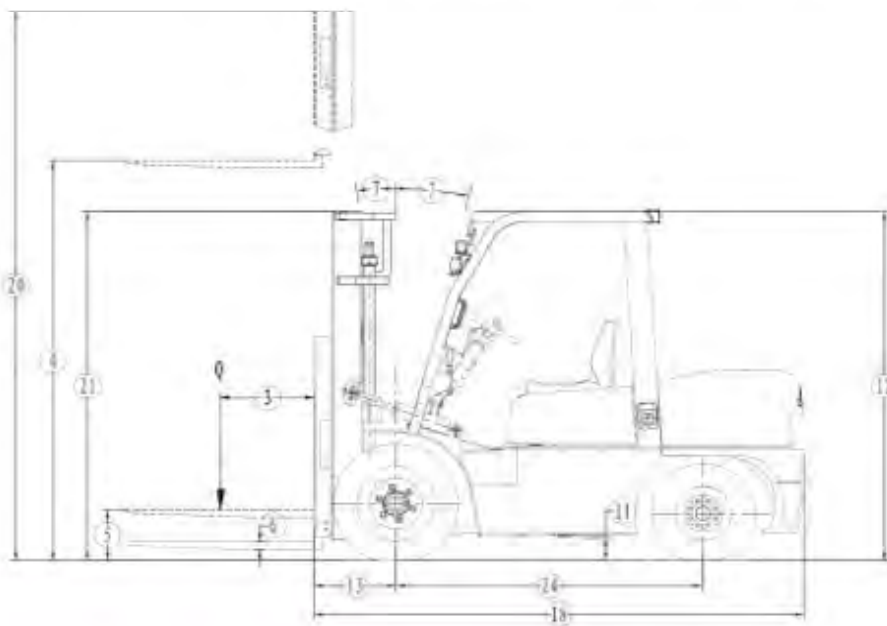




# SPECIFICATIONS

Model		CPCD10H	CPCD15H	CPCD18H	CPC10H	CPC15H	CPC18H	CPCD20H	CPCD25H	CPC20H	CPC25H	CPCD30H	CPCD35H	CPC30H	CPC35H	CPC38H	CPCD38H	CPC40H	CPCD40H		
1	Power type	Diesel																			
2	Rated load	kg	1000	1500	1800	1000	1500	1800	2000	2500	2000	2500	3000	3500	3000	3500	3800		4000		
3	Load center distance	mm	500																		
4	Lift height	mm	3000																		
5	Free lift height	mm	155																		
6	Fork size	L × W × T	920 × 100 × 40																		
7	Mast tilt angle	FR/RR	6/12																		
8	Minimum turning radius	mm	1880	1955	1985	1880	1955	1985	2170	2230	2170	2230	2550	2570	2550	2570			2835		
9	Minimum right angle stacking	mm	3290	3365	3395	3290	3365	3395	3635	3695	3635	3695	4025	4045	4025	4045			4325		
10	Minimum right angle aisle width	mm	2080	2155	2185	2080	2155	2185	2370	2430	2370	2430	2750	2770	2750	2770			3035		
11	Minimum ground clearance	mm	110																		
12	Height of overhead guard	mm	2080																		
13	Overhang(FR)	mm	410																		
14	Maximum travel speed	Full load	14.6																		
15	Maximum lift speed	Full load	510																		
16	Maximum drawbar pull	Full load	KN	12	14	19	12	14	19	11.7	11.4	11.7	11.4	20	28	20	28	20.8	21.8		
17	Gradeability	%	20																		
18	Overall length	Without forks	mm	2160	2235	2270	2160	2235	2270	2505	2580	2505	2580	2765	2800	2765	2800			2950	
19	Overall width	mm	1080																		
20	Fork height at maximum lift	mm	3930																		
21	Mast height	mm	2010																		
22	Tires	Front wheel	6.50-10-10PR																		
23		Rear wheel	5.00-8-10PR																		
24	Wheelbase	mm	1400																		
25	Tread	Front wheel/rear wheel	891/920																		
26	Self weight	Without load	Kg	2430	2790	2890	2430	2790	2890	3300	3660	3140	3680	4140	4460	4100	4420	5030	5070	5160	5200
27	Battery	Voltage/capacity	V/Ah	12/80																	
28		Model	Xinchang 4N23G31																		
29		Rated output	kw/r.p.m	30/2600																	
30		Rated torque	Nm/r.p.m	131/1700-1900																	
31		Bore × stroke	mm	85 × 100																	
32		Number of cylinders		4																	
33		Displacement	L	2.27																	
34	Fuel tank capacity	L	49																		
35	Transmissions(FWD/RWD)		1/1 Manual shift																		
36	Operating pressure	Mpa	15.5																		
37	Tire type(FR/RR)		Pneumatic																		
38	Number of axles(FR/RR)	Pcs	2/2																		
39	Lowering speed(full load)	mm/s	370																		
40	Lowering speed(no load)	mm/s	640																		
41	Axle load distribution(full)	kg	2840/380	3640/520	4040/600	2840/380	3640/520	4040/600	4740/660	5470/605	4740/660	5470/605	6270/670	7015/945	6240/660	6980/940	7870/960	7890/960	8160/1000	8180/1020	
42	Axle load distribution(no)	kg	1220/1020	1170/1490	1140/1750	1220/1020	1170/1490	1140/1750	1415/1340	1475/2305	1415/1340	1475/2300	1640/2500	1660/2800	1620/245	1650/277	2020/301	2040/3030	2070/309	2090/3110	

Calculation of minimum right angle stacking aisle width: Pallet size: 1100mm×1100mm, total clearance(FR/RR):100mm



# DIMENSIONAL DRAWING







## 2M WFOV BASIC MAST

Lift height	Load capacity																Overall height of mast																								
																	1-1.8t				2-2.5t				3t				3.5t				4t								
	1t		1.5t		1.8t		2t		2.5t		3t		3.5t		4t		Forks(on the ground)	Fully extended		Mast tilt angle		Forks(on the ground)	Fully extended		Mast tilt angle		Forks(on the ground)	Fully extended		Mast tilt angle		Forks(on the ground)	Fully extended		Mast tilt angle		Forks(on the ground)	Fully extended		Mast tilt angle	
	Single tire	Dual tire	Single tire	Dual tire	Single tire	Dual tire	Single tire	Dual tire	Single tire	Dual tire	Single tire	Dual tire	Single tire	Dual tire	Single tire	Dual tire		Single tire	Dual tire	Single tire	Dual tire		Single tire	Dual tire	Single tire	Dual tire		Single tire	Dual tire	Single tire	Dual tire		Single tire	Dual tire	Single tire	Dual tire		Single tire	Dual tire	Single tire	Dual tire
mm	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm	mm	mm	°	°	mm	mm	mm	°	°	mm	mm	mm	°	°	mm	mm	mm	°	°				
2000	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000	3500	3500	—	—	1510	2930	2560	6/12	6/12	1495	2944	2594	6/12	6/12	1575	3230	2700	6/12	6/12	1620	3230	2700	6/12	6/12	—	—	—	—	
2500	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000	3500	3500	4000	4000	1760	3430	3060	6/12	6/12	1745	3444	3094	6/12	6/12	1825	3730	3200	6/12	6/12	1870	3730	3200	6/12	6/12	1875	3722	3372	6/12	6/12
2700	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000	3500	3500	4000	4000	1860	3630	3260	6/12	6/12	1495	2944	3294	6/12	6/12	1925	3930	3400	6/12	6/12	1970	3930	3400	6/12	6/12	1975	3922	3572	6/12	6/12
3000	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000	3500	3500	4000	4000	2010	3930	3560	6/12	6/12	1745	3444	3594	6/12	6/12	2075	4230	3700	6/12	6/12	2120	4230	3700	6/12	6/12	2125	4220	3870	6/12	6/12
3300	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000	3500	3500	4000	4000	2160	4230	3860	6/12	6/12	1845	4444	3894	6/12	6/12	2225	4530	4000	6/12	6/12	2270	4530	4000	6/12	6/12	2275	4520	4170	6/12	6/12
3500	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000	3500	3500	4000	4000	2260	4430	4060	6/12	6/12	1995	3644	4094	6/12	6/12	2325	4730	4200	6/12	6/12	2370	4730	4200	6/12	6/12	2375	4720	4370	6/12	6/12
3600	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000	3500	3500	—	—	2310	4530	4160	6/12	6/12	2145	3944	4194	6/12	6/12	2375	4830	4300	6/12	6/12	2420	4830	4300	6/12	6/12	—	—	—	—	
3700	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000	3500	3500	—	—	2360	4630	4260	6/6	6/6	2245	4244	4294	6/6	6/12	2425	4930	4400	6/6	6/12	2470	4930	4400	6/6	6/12	—	—	—	—	
3750	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4000	4000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4000	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	2850	3000	3500	3500	4000	4000	2560	4930	4560	6/6	6/6	2545	4944	4594	6/6	6/12	2625	5230	4700	6/6	6/12	2670	5230	4700	6/6	6/12	2675	5220	4870	6/12	6/12
4250	950	1000	1400	1500	1650	1750	1900	2000	2100	2500	2600	3000	3300	3500	3600	4000	2685	5180	4810	6/6	6/6	2670	5194	4844	6/6	6/12	2750	5480	4950	6/6	6/12	2795	5480	4950	6/6	6/12	2800	5470	5120	6/12	6/12
4500	950	1000	1400	1450	1550	1700	1800	1900	1800	2400	2600	3000	3050	3500	3200	3800	2810	5630	5260	6/6	6/6	2795	5444	5094	6/6	6/12	2875	5730	5200	6/6	6/12	2920	5730	5200	6/6	6/12	2925	5720	5370	6/6	6/12
4750	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2800	3800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5000	850	950	1000	1300	1150	1500	1300	1700	1300	2200	2100	2850	2600	3150	2650	3700	3060	5930	5560	6/6	6/6	3045	5944	5594	6/6	6/6	3125	6230	5700	6/6	6/6	3170	6230	5700	6/6	6/6	3175	6220	5870	6/6	6/6
5500	—	650	—	1100	—	1300	—	1500	—	1700	—	2400	—	2850	—	3200	3360	6430	6060	—	—	3345	6444	6094	—	3/6	3425	6730	6200	—	3/6	3470	6730	6200	—	3/6	3475	6720	6370	3/6	6/6
6000	—	550	—	750	—	900	—	1300	—	1400	—	2000	—	2850	—	2900	3610	6930	6560	—	3/6	3595	6944	6594	—	3/6	3675	7230	6700	—	3/6	3720	7230	6700	—	3/6	3775	7220	6870	3/6	6/6

## BM 2-STAGE FULL FREE MAST

Lift height	Load capacity																Overall height of mast																											
																	1-1.8t				2-2.5t				3t				3.5t				4t											
	1t		1.5t		1.8t		2t		2.5t		3t		3.5t		4t		Forks(on the ground)	Fully extended		Free		Mast tilt angle		Forks(on the ground)	Fully extended		Free		Mast tilt angle		Forks(on the ground)	Fully extended		Free		Mast tilt angle		Forks(on the ground)	Fully extended		Free		Mast tilt angle	
	Single tire	Dual tire	Single tire	Dual tire	Single tire	Dual tire	Single tire	Dual tire	Single tire	Dual tire	Single tire	Dual tire	Single tire	Dual tire	Single tire	Dual tire		Single tire	Dual tire	Single tire	Dual tire	Single tire	Dual tire		Single tire	Dual tire	Single tire	Dual tire	Single tire	Dual tire		Single tire	Dual tire	Single tire	Dual tire	Single tire	Dual tire		Single tire	Dual tire	Single tire	Dual tire		
mm	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm	mm	mm	mm	mm	°	°	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
2000	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000	3500	3500	4000	4000	1510	2930	2560	610	980	6/12	6/12	1495	2944	2594	460	810	6/12	6/12	1575	3230	2700	315	845	6/12	6/12	1670	3220	2870	450	800	6/12	6/12
2500	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000	3500	3500	4000	4000	1760	3430	3060	860	1230	6/12	6/12	1745	3444	3094	710	1060	6/12	6/12	1825	3730	3200	565	1095	6/12	6/12	1920	3720	3370	700	1050	6/12	6/12
2700	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000	3500	3501	4000	4000	1860	3630	3260	960	1330	6/12	6/12	1845	3644	3294	810	1160	6/12	6/12	1925	3930	3400	665	1195	6/12	6/12	1925	3927	3397	665	1195	6/12	6/12
3000	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000	3500	3502	4000	4000	2010	3930	3560	1110	1480	6/12	6/12	1995	3944	3594	960	1310	6/12	6/12	2075	4230	3700	815	1345	6/12	6/12	2170	4220	3870	950	1300	6/12	6/12
3300	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000	3500	3503	4000	4000	2160	4230	3860	1260	1630	6/12	6/12	2145	4244	3894	1110	1460	6/12	6/12	2225	4530	4000	965	1495	6/12	6/12	2320	4520	4170	1100	1450	6/12	6/12
3500	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000	3500	3504	4000	4000	2260	4430	4060	1360	1730	6/12	6/12	2245	4444	4094	1210	1560	6/12	6/12	2325	4730	4200	1065	1595	6/12	6/12	2420	4720	4370	1200	1550	6/12	6/12
3600	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000	3500	3505	4000	4000	2310	4530	4160	1410	1780	6/12	6/12	2295	4544	4194	1260	1610	6/12	6/12	2375	4830	4300	1115	1645	6/12	6/12	2470	4820	4470	1250	1600	6/12	6/12
3700	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	3000	3000	3500	3506	4000	4000	2360	4630	4260	1460	1830	6/6	6/12	2345	4644	4294	1310	1660	6/6	6/12	2425	4930	4400	1165	1695	6/6	6/12	2425	4927	4397	1165	1695	6/6	6/12
4000	1000	1000	1500	1500	1750	1750	2000	2000	2500	2500	2850	3000	3500	3507	4000	4000	2560	4930	4560	1660	2030	6/6	6/12	2545	4944	4594	1510	1860	6/6	6/12	2625	5230	4700	1365	1895	6/6	6/12	2625	5227	4697	1365	1895	6/6	6/12
4250	950	1000	1400	1500	1650	1750	1900	2000	2100	2500	2600	3000	3300	3508	3600	4000	2685	5180	4810	1785	2155	6/6	6/12	2670	5194	4844	1635	1985	6/6	6/12	2750	5480	4950	1490	2020	6/6	6/12	2750	5477	4947	1490	2020	6/6	6/12
4500	950	1000	1400	1450	1550	1700	1800	1900	1800	2400	2600	3000	3050	3509	3200	3800	2810	5430	5060	1910	2280	6/6	6/6	2795	5444	5094	1760	2110	6/6	6/6	2875	5730	5200	1615	2145	6/6	6/6</							