

1.2-1.6t Hi Range Pallet Stacker Truck Specification:

Mast Type	Max Lifting Height h ₃	Max. fork height (h ₃ +h ₁₃)	Lowered Height h ₁	Extended Height h ₄	Free lift	Load Capacity at 600mm/23.6inch		
						1.2t/2646lb	1.4t/3086lb	1.6t/3527lb
	mm/in	mm/in	mm/in	mm/in	mm/in	Kg/lb	Kg/lb	Kg/lb
Double cylinder duplex wide view	2000/78.7	2090/82.3	1542/60.7	2542/100.1	90/3.5	1200/2646	1400/3086	1600/3527
	2500/98.4	2590/102.0	1792/70.6	3042/119.8	90/3.5	1200/2646	1400/3086	1600/3527
	2700/106.3	2790/109.8	1892/74.5	3242/127.6	90/3.5	1200/2646	1400/3086	1600/3527
	3000/118.1	3090/121.7	2042/80.4	3542/139.4	90/3.5	1200/2646	1400/3086	1600/3527
	3300/129.9	3390/133.5	2192/86.3	3842/151.3	90/3.5	1200/2646	1200/2646	1300/2866
	3500/137.8	3590/141.3	2292/90.2	4042/159.1	90/3.5	1070/2359	1070/2359	1130/2491
	3600/141.7	3690/145.3	2342/92.2	4142/163.1	90/3.5	1000/2205	1000/2205	1050/2315
	3800/149.6	3890/153.1	2442/96.1	4342/170.9	90/3.5	920/2028	920/2028	970/2139
	4000/157.5	4090/161.0	2642/104.0	4642/182.8	90/3.5	850/1874	850/1874	900/1984
	4300/169.3	4390/172.8	2792/109.9	4942/194.6	90/3.5	770/1698	770/1698	810/1786
4500/177.2	4590/180.7	2892/113.9	5142/202.4	90/3.5	680/1499	680/1499	710/1565	
Duplex full-free wide view	2000/78.7	2090/82.3	1595/62.8	2595/102.2	1090/42.9	1200/2646	1400/3086	1600/3527
	2500/98.4	2590/102.0	1845/72.6	3095/121.9	1340/52.8	1200/2646	1400/3086	1600/3527
	2700/106.3	2790/109.8	1945/76.6	3295/129.7	1440/56.7	1200/2646	1400/3086	1600/3527
	3000/118.1	3090/121.7	2095/82.5	3595/141.5	1590/62.6	1200/2646	1400/3086	1600/3527
	3300/129.9	3390/133.5	2245/88.4	3895/153.3	1740/68.5	1200/2646	1200/2646	1300/2866
	3500/137.8	3590/141.3	2345/92.3	4095/161.2	1840/72.4	1070/2359	1070/2359	1130/2491
	3600/141.7	3690/145.3	2395/94.3	4195/165.2	1890/74.4	1000/2205	1000/2205	1050/2315
	3500/137.8	3590/141.3	1844/72.6	4214/165.9	1220/48.0	1070/2359	1070/2359	1130/2491
	3600/141.7	3690/145.3	1909/75.2	4409/173.6	1290/50.8	960/2116	960/2116	1010/2227
	3800/149.6	3890/153.1	2009/79.1	4709/185.4	1390/54.7	850/1874	850/1874	900/1984
Triplex full-free wide view	4000/157.5	4090/161.0	2109/83.0	5009/197.2	1490/58.7	770/1698	770/1698	810/1786
	4300/169.3	4390/172.8	2159/85.0	5159/203.1	1590/62.6	680/1499	680/1499	710/1565
	4500/177.2	4590/180.7	2259/88.9	5459/214.9	1590/62.6	600/1323	600/1323	630/1389
	5000/196.9	5090/200.4	2354/92.7	5744/226.1	1700/66.9	500/1102	500/1102	530/1168
	5200/204.7	5290/208.3	2409/94.9	5909/232.6	1790/70.5	440/970	440/970	470/1036

2.0t Hi Range Pallet Stacker Truck Specification:

Mast Type	Max Lifting Height h ₃	Max. fork height (h ₃ +h ₁₃)	Lowered Height h ₁	Extended Height h ₄	Free lift	Load Capacity at 600mm/23.6inch
						2.0t/4409lb
	mm/in	mm/in	mm/in	mm/in	mm/in	Kg/lb
Double cylinder duplex wide view	2000/78.7	2090/82.3	1647/64.8	2647/104.2	90/3.5	2000/4409
	2500/98.4	2590/102.0	1897/74.7	3147/123.9	90/3.5	2000/4409
	2700/106.3	2790/109.8	1997/78.6	3347/131.8	90/3.5	1800/3968
	3000/118.1	3090/121.7	2147/84.5	3647/143.6	90/3.5	1600/3527
	3300/129.9	3390/133.5	2297/90.4	3947/155.4	90/3.5	1350/2976
	3500/137.8	3590/141.3	2397/94.4	4147/163.3	90/3.5	1180/2602
	3600/141.7	3690/145.3	2447/96.3	4247/167.2	90/3.5	1100/2425
	3800/149.6	3890/153.1	2547/100.3	4447/175.1	90/3.5	980/2161
	4000/157.5	4090/161.0	2747/108.1	4747/186.9	90/3.5	950/2094
	4300/169.3	4390/172.8	2897/114.1	5047/198.7	90/3.5	860/1896
4500/177.2	4590/180.7	2997/118.0	5247/206.6	90/3.5	760/1676	
Duplex full-free wide view	2000/78.7	2090/82.3	1700/66.9	2700/106.3	1090/42.9	2000/4409
	2500/98.4	2590/102.0	1950/76.8	3200/126.0	1340/52.8	2000/4409
	2700/106.3	2790/109.8	2050/80.7	3400/133.9	1440/56.7	1800/3968
	3000/118.1	3090/121.7	2200/86.6	3700/145.7	1590/62.6	1600/3527
	3300/129.9	3390/133.5	2350/92.5	4000/157.5	1740/68.5	1350/2976
	3500/137.8	3590/141.3	2450/96.5	4200/165.4	1840/72.4	1180/2602
	3600/141.7	3690/145.3	2500/98.4	4300/169.3	1890/74.4	1100/2425
	3500/137.8	3590/141.3	1944/76.5	4314/169.8	1130/44.5	1180/2602
	3700/145.7	3790/149.2	2009/79.1	4509/177.5	1200/47.2	1020/2249
	4000/157.5	4090/161.0	2109/83.0	4809/189.3	1300/51.1	950/2094
Triplex full-free wide view	4300/169.3	4390/172.8	2209/87.0	5109/201.1	1400/55.1	860/1896
	4500/177.2	4590/180.7	2259/88.9	5259/207.0	1500/59.1	760/1676
	4700/185.0	4790/188.6	2359/92.9	5559/218.9	1500/59.1	680/1499
	5000/196.9	5090/200.4	2454/96.6	5844/230.1	1610/63.4	570/1257
	5200/204.7	5290/208.3	2509/98.8	6009/236.6	1700/66.9	510/1124



A Series Electric Counterbalanced Stacker

with capacities of 800 to 2,000kg

Is widely used in pallet stacking, wherever support arm stacker truck cannot operate close pallet and lower pallet. Applied the latest AC drive technology, advanced performance, comfort, safe, reliable, low maintenance cost, easy to operate, and economical to buy is the ideal solution for warehouses, supermarkets, workshop loading/unloading and handling pallets of cargos.



Appearance

- / A series electric counterbalanced stacker applied professional industrial design, stream lines, and compact, and fully ergonomic consideration, in line with the latest design trends.
- / Applied steel stamping and injection molding processes for front and back guard, which is robust, durable, and also environmental compliance.

High Performance

- / Electric power steering is standard specification, which provides flexible operation.
- / Pump motor controller offers proportional lifting/lowering, low noise, energy consumption reduced by 15%.
- / Powered by AC traction motor not only has good acceleration and climbing performance, but also low heat, brushless, maintenance-free.
- / Latest AC CURTIS control system, precise and smooth.
- / CAN-BUS connection enables all truck data can be read out for inspection, and also improves the data transition more quick and reliable.
- / Regenerative braking for battery recovery during travel speed reduction, anti-slope on gradient.
- / All key parts such as switches, connectors, battery indicator and hour meter all adopt the famous brand.

Reliability

- / 3-pivot with low centre of gravity design and high strength steel frame structure chassis provide high residual load capability and longer working life.
- / Imported waterproof connectors, all wires and cables are protected, greatly improve the reliability of the electric system.
- / Using non-contact proximity switch, improves safety and reliability.
- / Top quality hydraulic power unit applied to provide low noise, low vibration, smooth lifting and landing reliable operation.
- / H-type mast profile section is applied to provide stable lifting and high strength.
- / The power plug is fixed on the chassis to avoid damage during battery replacement.

Safety

- / Travel speed will be automatically reduced after fork lifting height over 500mm.
- / Automatic deceleration during turning.
- / Punch-formed handrails provide more safety to the operator.
- / Three braking system of regenerative braking, reverse current braking, and emergency braking, insures the safe operation.
- / Anti-slope on gradient can keep the safety.
- / The emergency button on the tiller head can effectively avoid the harm to the driver.
- / Soft landing system applied to protect loads from damaging when forks lowering to 100mm to ground.

Comfort

- / The pedal applies shock absorption design, greatly improves the operator's comfort, reduce the fatigue.
- / The compact body and semicircular design provide an ideal operation in limited space, and the wedge designed chassis greatly increases the passing ability.

Maintenance

- / AC motor without carbon brushes, maintenance-free, cost saving.
- / Integrated battery indicator, hour meter and self-diagnostic instrument.

Standard Specification

- / AC drive motor
- / CURTIS controller
- / Electric power steering
- / 2.7m double cylinder duplex mast
- / Emergency switch
- / The proportional lift & lower control
- / 1070mm fork length
- / Side battery change
- / Multi-function battery indicator
- / PU load wheel
- / CAN bus technology
- / Soft landing system

Options

- / Mast lift height: Duplex mast 2000-4500mm, full free duplex mast: 2000-3600mm, triplex mast 0.8t: 3500-5000mm, 1.2/1.6/2.0t: 3500-5500mm.
- / Mast tilting: Forward 2°/ Backward 6°
- / Different length of fork
- / Load backrest



Simple and beautiful tiller designed to improve the operator's driving comfort. Optimized designing structure to offer a good visibility and easy entrance to the pallet



Side battery change is standard specification



Fully opened hood, easy accessibility of all components, is easy for service



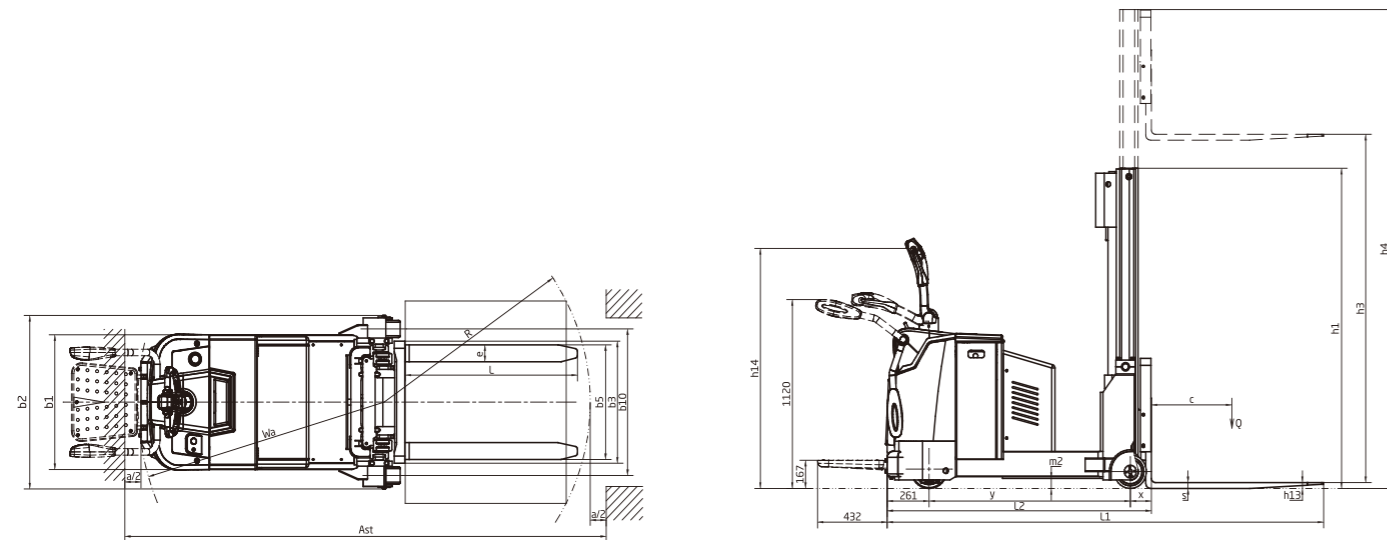
Mast tilting is the optional feature, offers proportional forward/backward speed

A Series Electric counterbalanced stacker

Distinguishing marks	HANGCHA GROUP CO.,LTD.						
	1.1	Manufacturer	CDD08-AC15-P				CDD20-AC15-P
1.2	Manufacturer's type designation	CDD08-AC15-P				CDD12-AC15-P	CDD16-AC15-P
1.3	Drive:electric(battery or mains),diesel,petrol,fuel gas	electric				electric	electric
1.4	Operator type:hand,pedestrian,standing,seated,order-picker	standing				standing	standing
1.5	Rated capacity/rated load	Q (kg/lb)	800/1764	1200/2646	1600/3527	2000/4409	
1.6	Load centre distance	c(mm/in)	500/20	500/20	500/20	500/20	
1.8	Load distance, centre of drive axle to fork	x(mm/in)	131/5.2	131/5.2	141/5.6	151/5.9	
1.9	Wheelbase	y(mm/in)	1023/40.3	1150/45.3	1371/54.0	1571/61.9	
2.1	Service Weight incl.battery(see line6.5)	kg/lb	1800/3968	1950/4299	2050/4520	2126/4687	
2.2	Axle loading,laden front/rear	kg (lb)	420/2180 (926/4806)	310/2840 (683/6261)	450/3200 (992/7055)	531/3595 (1171/7926)	
2.3	Axle loading,unladen front/rear	kg (lb)	935/865 (2061/1907)	1090/860 (2403/1896)	1150/900 (2535/1984)	1189/937 (2621/2066)	
3.1	Tyres:solid rubber,superelastic,pneumatic,polyurethane		PU	PU	PU	PU	
3.2	Tyre size, front	mm/in	φ230×75 / φ9.1×3.0	φ230×75 / φ9.1×3.0	φ250×100 / φ9.8×3.9	φ250×100 / φ9.8×3.9	
3.3	Tyre size, rear	mm/in	φ200×100 / φ7.9×3.9	φ200×100 / φ7.9×3.9	φ200×100 / φ7.9×3.9	φ200×100 / φ7.9×3.9	
3.5	Wheels, number front / rear (x = driven wheels)		1×/2	1×/2	1×/2	1×/2	
3.6	Tread, front	b ₁₀ (mm/in)	870/34.3	870/34.3	870/34.3	870/34.3	
4.2	Height,mast lowered	h ₁ (mm/in)	1900/74.8	1900/74.8	1900/74.8	1900/74.8	
4.4	Lift	h ₃ (mm/in)	2700/106.3	2700/106.3	2700/106.3	2700/106.3	
4.9	Height of tiller in drive position min./max.	h ₁₊₃ (mm/in)	1115/1420 (43.9/55.9)	1115/1420 (43.9/55.9)	1115/1420 (43.9/55.9)	1115/1420 (43.9/55.9)	
4.15	Height, lowered	h ₂ (mm/in)	35/1.38	35/1.38	35/1.38	45/1.8	
4.19	Overall length	l ₁ (mm/in)	2485 ¹⁾ /97.8 ¹⁾	2612 ¹⁾ /102.8 ¹⁾	2822 ¹⁾ /111.1 ¹⁾	3032 ¹⁾ /119.4 ¹⁾	
4.20	Length to face of forks	l ₂ (mm/in)	1415 ¹⁾ /55.7 ¹⁾	1542 ¹⁾ /60.7 ¹⁾	1752 ¹⁾ /69.0 ¹⁾	1962 ¹⁾ /77.2 ¹⁾	
4.21	Overall width	b ₁ /b ₂ mm (in)	800/1030 (31.5/40.6)	800/1030 (31.5/40.6)	800/1030 (31.5/40.6)	800/1030 (31.5/40.6)	
4.22	Fork dimensions	s/e/l mm (in)	35/100/1070 (1.4/3.9/42.1)	35/100/1070 (1.4/3.9/42.1)	35/100/1070 (1.4/3.9/42.1)	45/100/1070 (1.8/3.9/42.1)	
4.24	Fork-carriage width	b ₃ (mm/in)	700/27.6	700/27.6	700/27.6	700/27.6	
4.25	Distance between fork-arms	b ₄ mm (in)	210~680 (8.3~26.8)	210~680 (8.3~26.8)	210~680 (8.3~26.8)	210~680 (8.3~26.8)	
4.32	Ground clearance, centre of wheelbase	m ₂ (mm/in)	60/2.36	60/2.36	60/2.36	60/2.36	
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm/in)	2760 ¹⁾ /108.7 ¹⁾	2810 ¹⁾ /110.6 ¹⁾	3019 ¹⁾ /118.9 ¹⁾	3228 ¹⁾ /127.1 ¹⁾	
4.34.2	Aisle width for pallets 800 x 1200 lengthways	Ast (mm/in)	2870 ¹⁾ /113.0 ¹⁾	2920 ¹⁾ /115.0 ¹⁾	3129 ¹⁾ /123.2 ¹⁾	3339 ¹⁾ /131.5 ¹⁾	
4.35	Turning radius	W _a (mm/in)	1380/54.3	1430/56.3	1630/64.2	1830/72.0	
5.1	Travel speed, laden/unladen	kph (mph)	5.5/6.0 (3.4/3.7)	5.5/6.0 (3.4/3.7)	5.5/6.0 (3.4/3.7)	5.5/6.0 (3.4/3.7)	
5.2	Lift speed, laden/unladen	m/s (ft/min)	0.160/0.235 (31.50/46.26)	0.145/0.220 (28.54/43.31)	0.135/0.230 (26.57/45.28)	0.110/0.180 (21.65/35.43)	
5.3	Lowering speed, laden/unladen	m/s (ft/min)	0.200/0.200 (39.37/39.37)	0.200/0.200 (39.37/39.37)	0.200/0.200 (39.37/39.37)	0.200/0.200 (39.37/39.37)	
5.7	Gradeability, laden/unladen	%	6/10	6/10	6/10	6/10	
6.1	Drive motor rating S2 60 min.	kW/hp	1.5/2.0	1.5/2.0	3/4.0	3/4.0	
6.2	Lift motor rating at S3 15%	kW/hp	2.2/2.95	3.2/4.29	3.2/4.29	3.2/4.29	
6.4	Battery voltage/nominal capacity K5	V/Ah	24/240	24/280	24/350	24/350	
6.5	Battery weight	kg/lb	215/474	250/551	300/661	300/661	
8.1	Type of drive control		AC CURTIS	AC CURTIS	AC CURTIS	AC CURTIS	

Note:1)Triplex mast +21mm(0.83in)

Specifications are subject to change without notice.



0.8t/1.2t/1.6t Mast specification

Type	fork lift height h ₃	Max. fork height (h ₃ + h ₁₃)	Mast lowered h ₁	Mast extended h ₄	Free lift	Capacity load capacity at 500mm/19.7in			Capacity load capacity at 600mm/23.6in		
						CDD08-AC15-P	CDD12-AC15-P	CDD16-AC15-P	CDD08-AC15-P	CDD12-AC15-P	CDD16-AC15-P
						kg/lb	kg/lb	kg/lb	kg/lb	kg/lb	kg/lb
Wide view mast	2000/78.7	2035/80.1	1542/60.7	2542/100.1	0	800/1764	1200/2646	1600/3527	700/1543	1100/2425	1450/3197
	2500/98.4	2535/99.8	1792/70.6	3042/119.8	0	800/1764	1200/2646	1600/3527	700/1543	1100/2425	1450/3197
	2700/106.3	2735/107.7	1892/74.5	3242/127.6	0	800/1764	1200/2646	1600/3527	700/1543	1100/2425	1450/3197
	3000/118.1	3035/119.5	2042/80.4	3542/139.4	0	800/1764	1200/2646	1600/3527	700/1543	1100/2425	1450/3197
	3300/129.9	3335/131.3	2192/86.3	3842/151.3	0	800/1764	1200/2646	1600/3527	700/1543	1100/2425	1450/3197
	3500/137.8	3535/139.2	2292/90.2	4042/159.1	0	800/1764	1200/2646	1600/3527	700/1543	1100/2425	1450/3197
	3600/141.7	3635/143.1	2342/92.2	4142/163.1	0	700/1543	1200/2646	1600/3527	600/1323	1100/2425	1450/3197
	3700/145.7	3735/147.0	2392/94.2	4242/167.0	0	680/1499	1180/2602	1540/3395	580/1279	1070/2359	1400/3086
	3800/149.6	3835/151.0	2442/96.1	4342/170.9	0	660/1455	1150/2535	1480/3263	560/1235	1030/2271	1330/2932
	4000/157.5	4035/158.9	2642/104.0	4642/182.8	0	620/1367	1100/2425	1400/3087	510/1124	980/2161	1250/2756
4300/169.3	4335/170.7	2792/109.9	4942/194.6	0	530/1169	1050/2315	1340/2954	450/992	900/1984	1210/2668	
4500/177.2	4535/178.5	2892/113.9	5142/202.4	0	440/970	1000/2205	1300/2866	350/772	850/1874	1170/2579	
Wide view full free duplex mast	2000/78.7	2035/80.1	1595/62.8	2595/102.2	1035/40.7	800/1764	1200/2646	1600/3527	700/1543	1100/2425	1450/3197
	2500/98.4	2535/99.8	1845/72.6	3095/121.9	1285/50.6	800/1764	1200/2646	1600/3527	700/1543	1100/2425	1450/3197
	2700/106.3	2735/107.7	1945/76.6	3295/129.7	1385/54.5	800/1764	1200/2646	1600/3527	700/1543	1100/2425	1450/3197
	3000/118.1	3035/119.5	2095/82.5	3595/141.5	1535/60.4	800/1764	1200/2646	1600/3527	700/1543	1100/2425	1450/3197
	3300/129.9	3335/131.3	2245/88.4	3895/153.3	1685/66.6	800/1764	1200/2646	1600/3527	700/1543	1100/2425	1450/3197
	3500/137.8	3535/139.2	2345/92.3	4095/161.2	1785/70.3	800/1764	1200/2646	1600/3527	700/1543	1100/2425	1450/3197
	3600/141.7	3635/143.1	2395/94.3	4195/165.2	1835/72.2	700/1543	1200/2646	1600/3527	600/1323	1100/2425	1450/3197
	3500/137.8	3535/139.2	1844/72.6	4214/165.9	1165/45.9	800/1764	1200/2646	1600/3527	700/1543	1100/2425	1450/3197
	3700/145.7	3735/147.0	1909/75.2	4409/173.6	1235/48.6	680/1499	1180/2602	1540/3395	580/1279	1070/2359	1400/3086
	4000/157.5	4035/158.9	2009/70.1	4709/185.4	1335/52.6	620/1367	1100/2425	1400/3087	510/1124	980/2161	1250/2756
Wide view full free triplex mast	4300/169.3	4335/170.7	2109/83.0	5009/197.2	1435/56.5	530/1169	1050/2315	1340/2954	450/992	900/1984	1210/2668
	4500/177.2	4535/178.5	2159/85.0	5159/203.1	1535/60.4	440/970	1000/2205	1300/2866	350/772	850/1874	1170/2579
	4700/185.0	4735/186.4	2259/88.9	5459/214.9	1590/62.6	380/838	950/2094	1220/2690	250/551	760/1676	1100/2425
	5000/196.9	5035/198.2	2354/92.7	5744/226.1	1700/66.9	300/661	800/1764	1000/2205	210/463	650/1433	900/1984
	5200/204.7	5235/206.1	2409/94.8	5909/232.6	1790/70.5	-	680/1499	850/1874	-	540/1190	750/1653
	5500/216.5	5535/217.9	2509/98.8	6209/244.4	1890/74.4	-	550/1213	700/1543	-	400/882	600/1323

2.0t Mast specification

Type	fork lift height h ₃	Max. fork height (h ₃ + h ₁₃)	Mast lowered h ₁	Mast extended h ₄	Free lift	Capacity load capacity at 500mm/19.7in		Capacity load capacity at 600mm/23.6in	
						CDD20-AC15-P	CDD20-AC15-P	kg/lb	kg/lb
Wide view mast	2000/78.7	2045/80.5	1647/64.8	2647/104.2	0	2000/4409		1800/3968	
	2500/98.4	2545/100.2	1897/74.7	3147/123.9	0	2000/4409		1800/3968	
	2700/106.3	2745/108.1	1997/78.6	3347/131.8	0	2000/4409		1800/3968	
	3000/118.1	3045/119.9	2147/84.5	3647/143.6	0	2000/4409		1800/3968	
	3300/129.9	3345/131.7	2297/90.4	3947/155.4	0	2000/4409		1800/3968	
	3500/137.8	3545/139.6	2397/94.4	4147/163.3	0	2000/4409		1800/3968	
	3600/141.7	3645/143.5	2447/96.3	4247/167.2	0	1950/4299		1750/3858	
	3700/145.7	3745/147.4	2497/98.3	4347/171.1	0	1900/4189		1710/3770	
	3800/149.6	3845/151.4	2547/100.3	4447/175.1	0	1840/4057		1660/3660	
	4000/157.5	4045/159.3	2747/108.1	4747/186.9	0	1800/3968		1600/3527	
Wide view full free duplex mast	4300/169.3	4345/171.1	2897/114.1	5047/198.7	0	1680/3704		1500/3307	
	4500/177.2	4545/178.9	2997/118.0	5247/206.6	0	1600/3527		1	