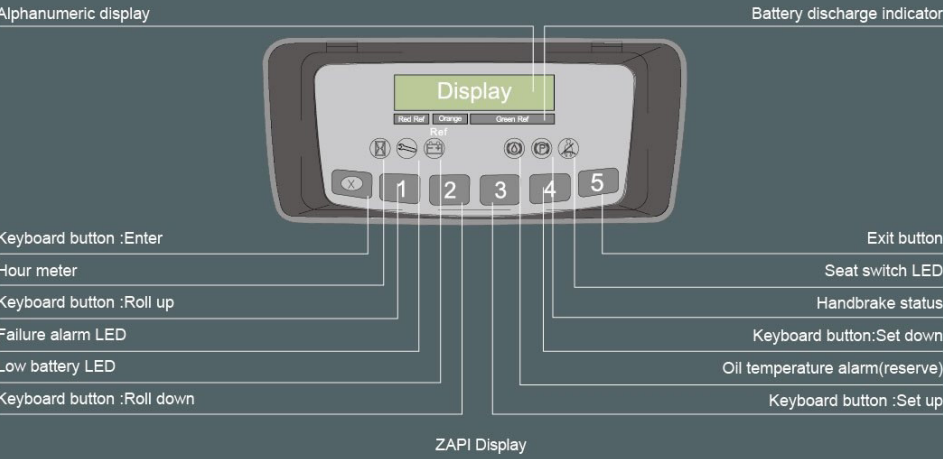




Instrument Panel



Standard configuration

- 185" 3-stage full free lift mast.
- Three-spool control valve
- Hose block and tackle
- Hang on side shifter
- ZAPI Mosfet electronic travel controllers and lifting controller
- Engage IV/ Smart display
- Traveling OPS control system
- DC-DC converter
- AC pump motor
- U.S. standard screw thread
- Load backrest
- 36V system
- Back up handle with horn button
- Standard fork
- Warning lights (Flicker)
- Tilt cylinder (6 fwd/ 5 back)
- Smooth cushion tires
- Front combo lights(LED)
- Rear combo lights(LED)
- Back-up alarm
- Tow pin
- Automatic deceleration when steering
- Side view mirror

Optional

- 10°/5°(forward/rear) tilt for special mast
- 2-stage mast
- Integral sideshift
- Nonstandard forks in length
- Other attachments
- Warning lights (Buzzer)
- 48V system
- Higher or lower height overhead guard
- Battery side-pull
- Rear work light
- Various type tires
- Lifting OPS control system
- Battery charger



Heli Americas
2005 Fletcher Creek Dr,
Memphis TN 38133
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Fax:901/452-8688

Some of the photos may include optional equipment. Please consult your dealer for specifications.Details of specifications and equipment are based on information available at time of printing and maychange without notice.
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HELI Print 170523

G series / INTELLIGENT
ENVIRONMENT-FRIENDLY

4000-6500 lbs

**G Series Electric Counterbalanced
Cushion Tire Forklift Truck
36/48 Volt**



HELI
LIFTING THE FUTURE

**TOP 10 FORKLIFT MANUFACTURER
IN THE WORLD**

4000-6500 lbs G series Electric Counterbalanced Cushion Tire Forklift Truck



Productivity Features



Operator Visibility

- Hosing and cylinders in mast have been repositioned to produce maximum operator visibility.
- Arc shape of overhead guard and longitudinal bars allows operator to safely see raised loads.

Operator Compartment

- More space and foot room plus increased visibility through mast and overhead guard contribute to operator efficiency and safety.
- Adjustable grammar seat w/arm rests and OPA (Operator Presence Alarm) combined with smaller diameter steer wheel promotes greater comfort.
- Rear handle w/horn button used when driving in reverse.
- Enter/exit operator compartment from both sides.
- Tilt steering column.



Efficiency

- Smaller turn radius for better maneuverability.
- Multi-speed selection function for various work conditions and applications.
- Faster lift and lower speeds.
- 36 volt with 48 volt option (AC Drive and Pump Motors).
- Full LED light package.
- Zapi MOSFET electronic travel and lifting controller.
- Automatic deceleration while steering.



Energy Efficiency

- Optimized hydraulic system promotes greater energy efficiency and lower fuel consumption.
- LED lights are standard equipment.

Comfortable

- Rear handle with horn button promotes greater safety when operator is traveling in reverse.
- Ratchet type hand-brake for ease of operation.
- Entry and exit of operator's compartment from both sides.
- Battery can be removed from right side (optional).



Reliability

- Optimized design of key components including frame, mast, overhead guard and steer axle enhance this forklifts overall safety and reliability.

Serviceability

- Removable side and rear panels provide easy access to key components (pump motor, electric panel and controllers).
- Removable floor board for easy access to drive motor and transaxle.
- Easy access to brake fluid reservoir.

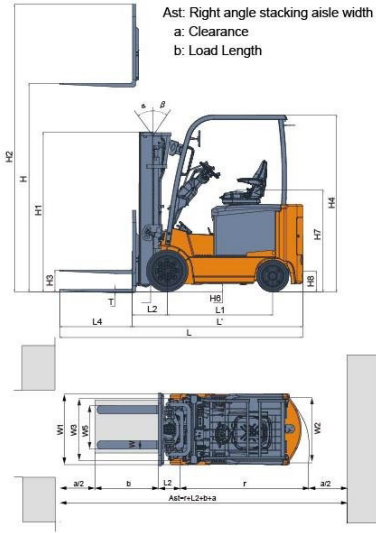


4000-6500 lbs

G series Electric Counterbalanced Cushion Tire Forklift Truck

Manufacturers Data and Design Characteristics

Characteristics				HELI													
1.01 Manufacturer					CPD20		CPD25		CPD25		CPD30		CPD32				
1.02 Model					GA2C/GA2CP		GA2C/GA2CP		GB2C/GB2CP		GA2C/GA2CP		GA2C/GA2CP				
1.03 Configuration number																	
1.04 Capacity at rated load center		lb	Kg		4000	2000	5000	2500	5500	2500	6000	3000	6500	2950			
1.05 Load center		in	mm		24	500	24	500	24	600	24	500	24	600			
1.06 Power					electric		electric		electric		electric		electric				
1.07 Tire type					cushion		cushion		cushion		cushion		cushion				
1.08 Wheels(x=driven) number front/rear					2x/2		2x/2		2x/2		2x/2		2x/2				
Dimensions																	
2.01 Max.lifting height		H	in	mm	185	4700	185	4700	185	4700	185	4700	185	4700			
2.02 Max.fork lifting height(with backrest)		H2	in	mm	224	5689	224	5689	224	5689	234	5933	234	5933			
2.03 Free lift		H3	in	mm	44	1117	44	1117	44	1117	39	990	39	990			
2.04 Forks (length×width×thickness)		L4×W×T	in	mm	42×4.8×1.57	1070×122×40	42×4.8×1.57	1070×122×40	42×4.8×1.57	1070×122×40	42×4.9×1.77	1070×125×45	42×4.9×1.77	1070×125×45			
2.05 Fork spacing (out-to-out min/max)		W5	in	mm	9.65/38.4	245/975	9.65/38.4	245/975	9.65/38.4	245/975	9.84/38.4	250/975	9.84/38.4	250/975			
2.06 Tilt (forward/backward)		α/β	deg	deg	6/5		6/5		6/5		6/5		6/5				
2.07 Overall length (without fork/with fork)		(L/L)	in	mm	84.8/126.9	2155/3225	85.2/127.3	2165/3235	89.2/131.3	2265/3335	91.4/133.6	2323/3393	92.2/134.3	2341/3411			
2.08 Overall width		W1	in	mm	42	1072	42	1072	44	1122	44	1122	44	1122			
2.09 Mast overall height(to top of lowered mast)		H1	in	mm	84	2135	84	2135	84	2135	88	2230	88	2230			
2.10 Overall height(overhead guard)		H4	in	mm	88.5	2248	88.5	2248	88.5	2248	88.5	2248	88.5	2248			
2.11 Seat height to SIP		H7	in	mm	48.7	1238	48.7	1238	48.7	1238	48.7	1238	48.7	1238			
2.12 Drawbar pin height		H8	in	mm	10.2	258	10.2	258	10.2	258	10.2	258	10.2	258			
2.13 Min. outside turning radius		r	in	mm	72.6	1845	73.0	1855	77.8	1977	79.6	2021	80.2	2037			
2.14 Load distance, axle to fork face		L2	in	mm	17.5	445	17.5	445	17.5	445	18.1	460	18.1	460			
2.15 Min. aisle-90°stack-zero clearance without load			in	mm	88.8	2255	88.8	2255	88.8	2255	89.3	2267	89.9	2283			
2.16 Min. right angle stacking aisle width (pallet 1200×1200, clearance 200mm)		Ast	in	mm	145	3690	146	3700	152	3869	153	3881	153	3897			
Performance																	
3.01 Travel speed Loaded/Unloaded (36 volt)		mph	km/h	8.5/9.3	14/15	8.5/9.3	14/15	8.1/8.5	13/14	8.1/8.5	13/14	8.1/8.5	13/14	8.1/8.5			
3.02 Travel speed Loaded/Unloaded (48 volt)		mph	km/h	10.6/10.6	17/17	10.6/10.6	17/17	10.6/10.6	17/17	10.6/10.6	17/17	10.6/10.6	17/17	10.6/10.6			
3.03 Lift Speed Loaded/Unloaded (36 volt)		fpm	mm/s	57.1/98.4	290/500	57.1/98.4	290/500	57.1/98.4	290/500	53.1/84.6	270/430	53.1/84.6	270/430	53.1/84.6			
3.04 Lift Speed Loaded/Unloaded (48 volt)		fpm	mm/s	78.7/118.1	400/600	78.7/118.1	400/600	78.7/118.1	400/600	68.9/95.9	350/487	68.9/95.9	350/487	68.9/95.9			
3.05 Lowering Speed (Loaded/Unloaded)		fpm	mm/s	88.6/78.7	450/400	88.6/78.7	450/400	88.6/78.7	450/400	88.6/78.7	450/400	88.6/78.7	450/400	88.6/78.7			
3.06 Max.Gradeability Loaded/Unloaded(5 minute rating)		%	%	17/20		17/20		17/20		15/20		15/20		15/20			
3.07 Max.drawbar pull Loaded/Unloaded(5 minute rating)		N	N	18000/15070		18000/15070		18000/15070		18000/16010		18000/16010		18000/16010			
Weight																	
4.01 Empty (with minimum weight battery)		lb	kg	9903	4496	10432	4736	10826	4915	11377	5165	11597	5265	11597	5265		
4.02 Axle load with rated load (front/rear)		lb	kg	12344 / 1359	5604 / 617	14529 / 1407	6596 / 639	14674 / 1659	6662 / 753	15480 / 1910	7028 / 867	16220 / 1874	7364 / 851	16220 / 1874	7364 / 851		
4.03 Axle load without load (front/rear)		lb	kg	4289 / 4910	1947 / 2229	4626 / 5804	2100 / 2635	5075 / 5749	2304 / 2610	4998 / 6377	2269 / 2895	4892 / 6703	2221 / 3043	4892 / 6703	2221 / 3043		
Chassis																	
5.01 Tyre size (front)		in	21x7-15		21x7-15		21x8-15		21x8-15		21x8-15		21x8-15		21x8-15		
5.02 Tyre size (rear)		in	16x6-10.5		16x6-10.5		16x6-10.5		16x6-10.5		16x6-10.5		16x6-10.5		16x6-10.5		
5.03 Wheel base		L1	in	mm	53	1340	53	1340	57	1440	57	1440	57	1440	57	1440	
5.04 Tread width (front tread)		W3	in	mm	35.0	890	35.0	890	36.0	915	36.0	915	36.0	915	36.0	915	
5.05 Tread width (rear tread)		W2	in	mm	36.2	920	36.2	920	36.2	920	36.2	920	36.2	920	36.2	920	
5.06 Ground clearance (at lowest point at mast)		H5	in	mm	3.7	95	3.7	95	3.7	95	3.7	95	3.7	95	3.7	95	
5.07 Ground clearance (at center of wheelbase)		H6	in	mm	4.3	110	4.3	110	4.3	110	4.3	110	4.3	110	4.3	110	
5.08 Brakes (service/parking)		type	type	Hydraulic-Foot Pedal / Mechanical-Hand Lever													
Electrical																	
6.01 Battery capacity at 6 hr. discharge rate (36 volt)		Ah	Kwh	1320	48	1320	48	1540	55	1540	55	1540	55	1540	55	1540	
6.02 Battery capacity at 6 hr. discharge rate (48 volt)		Ah	Kwh	990	48	990	48	1110	53	1110	53	1110	53	1110	53	1110	
6.03 Battery weight, minimum		lb	kg	2600	1180	2600	1180	3100	1410	3100	1410	3100	1410	3100	1410	3100	
6.04 Battery weight, maximum		lb	kg	3530	1600	3530	1600	3970	1800	3970	1800	3970	1800	3970	1800	3970	
6.05 Battery battery compartment size, maximum		in	mm	39.25x30.70x24.6	997x780x625	39.25x30.70x24.6	997x780x625	39.25x30.70x24.6	997x880x625	39.25x34.64x24.6	997x880x625	39.25x34.64x24.6	997x880x625	39.25x34.64x24.6	997x880x625	997x880x625	
6.06 Motors drive motor capacity (60 min. rating) (36 / 48 volt)		HP	KW	11.3/20.8	8.4/15.5	11.3/20.8	8.4/15.5	11.3/20.8	8.4/15.5	11.3/20.8	8.4/15.5	11.3/20.8	8.4/15.5	11.3/20.8	8.4/15.5	11.3/20.8	
6.07 Motors lift output (15% rating) (36 / 48 volt)		HP	KW	22.1/26.8	16.5/20	22.1/26.8	16.5/20	22.1/26.8	16.5/20	22.1/26.8	16.5/20	22.1/26.8	16.5/20	22.1/26.8	16.5/20	22.1/26.8	
6.08 Controls drive		type	type	MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC	
6.09 Controls hydraulic		type	type	MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC	
6.10 Hydraulic pressure for attachments		PSI	Mpa	2030	14	2030	14	2030	14	2030	14	2030	14	2030	14	2030	



CPD32-GA CPD30-GA CPD25-GB CPD25-GA CPD20-GA

Battery and Compartment Specifications

Model	Compartment size	Battery Specifications					
		Electrial	Size(Max)				Min weight lbs
	WDxLGxHT (in)	Volts	Plates	Capacity (Max)6Hr	DimX DimY DimZ in		
CPD20/25-GA2C(P)	A1 39.25x30.70x24.6	36	25	1320	38.33x29.33x22.81		
	A2 39.25x30.70x23.81	48	19	990	38.33x30.02x22.81		2600
CPD25-GB2C(P) CPD30-32-GA2C(P)	A1 39.25x34.64x24.6	36	29	1540	38.41x33.72x22.81		
	A2 39.25x34.64x23.81	48	21	1100	38.33x32.72x22.81		3100

P: The model with battery side-traction

A1: No Battery side-traction

A2: With Battery side-traction

Battery Connector:

36 volt - Grey SB*350 (Anderson Power Products* P/N 6320G1 or equivalent)

48 volt - Blue SB*350 (Anderson Power Products* P/N 6321G1 or equivalent)

Battery Lead: 2/0 AWG

WIDE VIEW MAST

Mast Type	Maximum Fork Height	Load Capacity at 24" Load Center(lbs.)					Overall Height Freelft (With Backrest)						Service Weight (unloaded)									
		CPD20-GA	CPD25-GA	CPD25-GB	CPD30-GA	CPD32-GA	CPD20/25-GA CPD25-GB	CPD30-GA CPD32-GB	CPD20/25-GA CPD25-GB	CPD30-GA CPD32-GB	Tilt Range	CPD20-GA	CPD25-GA	CPD25-GB	CPD30-GA	CPD32-GA						
		in/mm	lbs/kg	lbs/kg	lbs/kg	lbs/kg	in/mm	in/mm	in/mm	in/mm		lbs	kg	lbs	kg	lbs	kg					
M200	79/2000	4000/1820	5000/2270	5500/2500	6000/2730	6500/3000	59/1495	65/1640	6/145	6/145	6/145	6/8	8674	3938	9401	4268	9952	4518	10617	4820	10837	4920
M250	98/2500	4000/1820	5000/2270	5500/2500	6000/2730	6500/3000	69/1745	74/1890	6/145	6/145	6/145	6/8	8775	3984	9502	4314	10053	4564	10716	4865	10936	4965
M270	106/2700	4000/1820	5000/2270	5500/2500	6000/2730	6500/3000	73/1845	78/1990	6/145	6/145	6/145	6/8	8817	4003	9544	4333	10095	4583	10753	4882	10974	4982
M300	118/3000	4000/1820	5000/2270	5500/2500	6000/2730	6500/3000	79/1995	84/2140	6/145	6/145	6/145	6/8	8877	4030	9604	4360	10154	4610	10797	4902	11018	5002
M330	130/3300	4000/1820	5000/2270	5500/2500	6000/2730	6500/3000	84/2145	90/2290	6/145	6/145	6/145	6/8	8954	4065	9681	4395	10231	4645	10872	4936	11093	5036
M350	138/3500	4000/1820	5000/2270	5500/2500	6000/2730	6500/3000	88/2245	94/2390	6/145	6/145	6/145	6/8	8996	4084	9722	4414	10273	4664	10912	4954	11132	5054
M370	146/3700	4000/1820	5000/2270	5500/2500	6000/2730	6500/3000	92/2345	98/2490	6/145	6/145	6/145	6/8	9040	4104	9767	4434	10317	4684	10952	4972	11172	5072
M400	157/4000	4000/1820	5000/2270	5500/2500	6000/2730	6500/3000	100/2545	106/2690	6/145	6/145	6/145	6/8	9196	4175	9923	4505	10474	4755	11110	5044	11330	5144
M425	167/4250	4000/1820	4846/2200	5500/2500	6000/2730	6388/2900	105/2670	111/2815	6/145	6/145	6/145	6/8	9249	4199	9976	4529	10526	4779	11159	5066	11379	5166
M450	177/4500	4000/1820	4626/2100	5500/2500	6000/2730	6278/2850	110/2795	116/2940	6/145	6/145	6/145	6/8	9306	4225	10033	4555	10584	4805	11209	5089	11430	5189
M475	187/4750	4000/1820	4405/2000	5066/2300	6000/2730	6167/2800	115/2920	121/3065	6/145	6/145	6/145	6/8	9357	4248	10084	4578	10634	4828	11258	5111	11478	5211
M500	197/5000	3524/1600	3965/1800	4626/2100	5066/2300	5176/2350	120/3045	126/3190	6/145	6/145	6/145	3/3	9410	4272	10137	4602	10687	4852	11306	5133	11526	5233
M550	217/5500	2863/1300	3304/1500	3744/1700	4405/2000	4185/1900	132/3345	137/3490	6/145	6/145	6/145	3/3	9610	4363	10337	4693	10888	4943	11507	5224	11727	5324
M600	236/6000	2203/1000	2643/1200	3084/1400	3524/1600	3304/1500	142/3595	147/3740	6/145	6/145	6/145	3/3	9720	4413	10447	4743	10998	4993	11604	5268	11824	5368

WIDE VIEW FULL FREE 2-STAGE MAST

Mast Type	Maximum Fork Height	Load Capacity at 24" Load Center(lbs.)						Overall Height Freeft(With Backrest)						Service Weight (unloaded)							
		CPD20-GA		CPD25-GA	CPD25-GB	CPD30-GA	CPD32-GA	CPD20/25-GA CPD25-GB		CPD30-GA CPD32-GB	CPD20/25-GA CPD25-GB		CPD30-GA CPD32-GB	Tilt Range	CPD20-GA		CPD25-GA	CPD25-GB	CPD30-GA	CPD32-GA	
		in/mm	lbs/kg	lbs/kg	lbs/kg	lbs/kg	lbs/kg	in/mm	in/mm	in/mm	in/mm	lbs	kg		lbs	kg	lbs	kg	lbs	kg	
ZM200	79/2000	4000/1820	5000/2270	5500/2500	6000/2730	6500/3000	59/1495	65/1640	19/484	16/398	6/8	8714	3956	9441	4286	9991	4536	10696	4856	10916	4956
ZM250	98/2500	4000/1821	5000/2271	5500/2501	6000/2731	6500/3001	69/1745	74/1890	29/734	25/648	6/8	8817	4003	9544	4333	10095	4583	10789	4898	11009	4998
ZM270	106/2700	4000/1822	5000/2272	5500/2502	6000/2732	6500/3002	73/1845	78/1990	33/834	29/748	6/8	8861	4023	9588	4353	10139	4603	10833	4918	11053	5018
ZM300	118/3000	4000/1823	5000/2273	5500/2503	6000/2733	6500/3003	79/1995	84/2140	39/984	35/898	6/8	8925	4052	9652	4382	10203	4632	10894	4946	11115	5046
ZM330	130/3300	4000/1824	5000/2274	5500/2504	6000/2734	6500/3004	84/2145	90/2290	45/1134	41/1048	6/8	8991	4082	9718	4412	10269	4662	10949	4971	11170	5071
ZM350	138/3500	4000/1825	5000/2275	5500/2505	6000/2735	6500/3005	88/2245	94/2390	49/1234	45/1148	6/8	9033	4101	9760	4431	10311	4681	10989	4989	11209	5089
ZM370	146/3700	4000/1826	5000/2276	5500/2506	6000/2736	6500/3006	92/2345	98/2490	53/1334	49/1248	6/8	9075	4120	9802	4450	10352	4700	11030	5008	11251	5108
ZM400	157/4000	4000/1827	5000/2277	5500/2507	6000/2737	6500/3007	100/2545	106/2690	60/1534	57/1448	6/8	9236	4193	9963	4523	10513	4773	11203	5086	11423	5186
ZM425	167/4250	4000/1828	4846/2200	5500/2508	6000/2738	6388/2900	105/2670	111/2815	65/1659	62/1573	6/8	9291	4218	10018	4548	10568	4798	11251	5108	11471	5208
ZM450	177/4500	4000/1829	4626/2100	5500/2509	6000/2739	6278/2850	110/2795	116/2940	70/1784	67/1698	6/8	9346	4243	10073	4573	10623	4823	11302	5131	11522	5231
ZM475	187/4750	4000/1830	4405/2000	5066/2300	6000/2740	6167/2800	115/2920	121/3065	75/1909	72/1823	6/8	9401	4268	10128	4598	10678	4848	11352	5154	11573	5254
ZM500	197/5000	3524/1600	3965/1800	4626/2100	5066/2300	5176/2350	120/3045	126/3190	80/2034	77/1948	3/3	9456	4293	10183	4623	10733	4873	11401	5176	11621	5276
ZM550	217/5500	2863/1300	3304/1500	3744/1700	4405/2000	4185/1900	132/3345	137/3490	92/2334	88/2248	3/3	9659	4385	10385	4715	10936	4965	11599	5266	11819	5366
ZM600	236/6000	2203/1000	2643/1200	3084/1400	3524/1600	3304/1500	142/3595	147/3740	102/2584	98/2498	3/3	9769	4435	10496	4765	11046	5015	11700	5312	11921	5412

NOTE: 2-2.5T: free lift height (without backrest)+364mm;

3-3.2T: free lift height (without backrest)+478mm;

WIDE VIEW FULL FREE 3-STAGE MAST

Mast Type	Maximum Fork Height	Load Capacity at 24" Load Center(lbs.)						Overall Height FreeLift(With Backrest)						Service Weight (unloaded)												
		CPD20-GA		CPD25-GA		CPD25-GB		CPD30-GA		CPD32-GA		CPD20/25-GA CPD25-GB		CPD30-GA CPD32-GB		Tilt Range	CPD20-GA		CPD25-GA		CPD25-GB		CPD30-GA		CPD32-GA	
		in/mm	lbs/kg	in/mm	lbs/kg	in/mm	lbs/kg	in/mm	lbs/kg	in/mm	lbs/kg	in/mm	lbs/kg	in/mm	lbs/kg		in/mm	lbs/kg	in/mm	lbs/kg	in/mm	lbs/kg	in/mm	lbs/kg	in/mm	lbs/kg
ZSM360	142/3600	4000/1820	5000/2270	5500/2500	6000/2730	6500/2950	70/1781	74/1880	30/759	25/622	6/8	9000	4086	9728	4416	10591	4808	11142	5058	11362	5158					
ZSM400	158/4000	4000/1820	5000/2270	5500/2500	6000/2730	6500/2950	75/1905	79/2014	35/884	30/757	6/8	9058	4112	9786	4443	10688	4853	11239	5103	11459	5203					
ZSM435	171/4350	4000/1820	4856/2250	5500/2500	6000/2730	6500/2950	80/2029	84/2129	40/1008	34/871	6/8	9137	4148	9865	4479	10761	4886	11312	5136	11532	5236					
ZSM450	177/4500	4000/1820	4912/2230	5500/2500	6000/2730	6460/2930	83/2096	86/2179	42/1074	36/922	6/8	9165	4161	9893	4491	10771	4890	11321	5140	11542	5240					
ZSM470	185/4700	4000/1820	4846/2200	5390/2450	6000/2730	6390/2900	84/2144	88/2230	44/1123	38/973	6/8	9201	4177	9929	4508	10827	4915	11377	5165	11598	5265					
ZSM480	189/4800	4000/1820	4736/2150	5280/2400	5940/2700	6280/2850	86/2179	90/2281	46/1158	40/1024	6/8	9220	4186	9948	4516	10855	4928	11405	5178	11626	5278					
ZSM500	197/5000	3920/1780	4626/2100	5240/2380	5840/2650	6230/2830	90/2281	93/2239	50/1260	43/1082	6/8	9271	4209	9998	4539	10899	4948	11540	5198	11670	5298					
ZSM540	213/5400	3810/1730	4405/2000	4950/2250	5500/2500	6010/2730	95/2405	98/2489	55/1384	49/1232	3/5	9341	4241	10068	4571	10988	4988	11539	5238	11759	5338					
ZSM600	236/6000	3520/1600	3965/1800	4700/1850	4383/1990	4230/1920	104/2629	107/2705	63/1608	57/1448	3/5	9494	4310	10222	4641	11204	5087	11754	5337	11975	5437					
ZSM650	256/6500	2500/1135	2900/1316	3000/1362	3300/1500	3083/1400	111/2819	114/2891	71/1798	64/1633	3/5	9593	4355	10322	4686	11304	5182	11855	5382	12075	5482					
ZSM700	276/7000	1700/770	1800/817	1900/862	2200/1000	2092/950	122/3089	124/3139	81/2068	74/1882	3/5	9729	4417	10458	4748	11441	5194	11991	5444	12211	5544					