

h2000
SERIES

Reliable forklift



1-3.5 ton
ENGINE POWERED
FORKLIFT

STANDARD EQUIPMENT

- | | |
|---------------------------------|------------------------------|
| Hour meter | Overhead guard |
| Horn | Standard forks |
| Oil pressure alarm | Central Control Box |
| Three-spool control valve | Hydraulic circuit oil filter |
| Power steering | Radiator tank |
| Rubber pedal pad | Speed-limiting valve |
| Backrest | Oil meter |
| Back view mirror | Battery-charge indicator |
| Front combined lights | Wide-view mast |
| Transmission oil filter | Intake device |
| Engine flameout device | Durable tire |
| Parking brake cable | Operating handles |
| Water temperature meter | Traction pin |
| Attached tools | Standard seat |
| Rear combined lights | Hydraulic oil gauge |
| Reversing buzzer | Overhead guard raincoat |
| Self-locking tilt valve | Torque converter oil gauge |
| Tilt adjustable steering column | Combined display |

OPTIONS

- | | |
|--|-----------------------------------|
| Cab | Tilt cylinder sleeve |
| Rotating warning light | Steering cylinder sleeve |
| Vertical exhaust | User-specified color |
| Double air filter | Optional attachments |
| Suspension seat | Steel protective fences |
| Extended fork sleeve | Dual tires and protective devices |
| Heater | LPG with the flip seat |
| Solid tire | LPG single and dual-fuel system |
| Widening fork carriage | Power brake |
| Windglass | Side shifter |
| Purifying muffler | |
| Fire muffler | |
| Fire extinguisher | |
| Rear lights | |
| Air conditioning (some models) | |
| Electro-hydraulic switch | |
| OPS driving control | |
| Torque converter oil temperature meter | |

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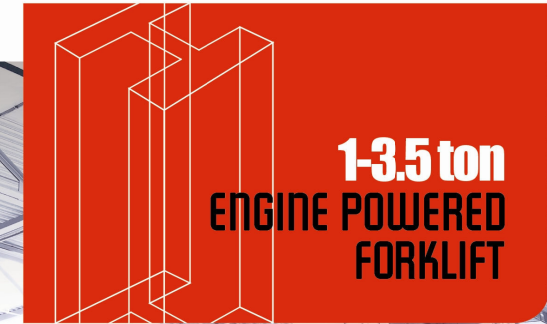
TOP1 FORKLIFT MANUFACTURING AND SALE
IN CHINA CONTINUOUSLY FOR 22 YEARS

AUTHORIZED DEALER

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Reliable forklift

A reliable Drive system



As the most reliable transmission system produced by HELI, it has been validated by over twenty years' experience in World market. Meanwhile, various ancillary devices of the power system ensure the reliability effectively.

- ✓ Durable transmission
- ✓ Equipped with the intake system & intake silencer
- ✓ Optional air filter pressure alarm device
- ✓ Automatic engine preheating system
- ✓ Cyclone Air Filter
- ✓ Lost foam casting
- ✓ Various high-power engines are available for customers' optional choices, and the emission meets the latest European & American environmental regulation.

A reliable mast



The high internal-qualified mast confirmedly ensures the safety of the operator, truck and cargo. Standard configuration of the wide-view mast enlarges operators' view effectively, and ensures loading /unloading operations more reliable.

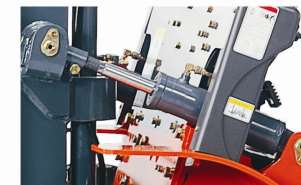
- ✓ Using the best German steel material for triplex mast (option only for triplex mast)
- ✓ The frame of mast has more strength basing on the enlarged channel interface.
- ✓ Clear visibility for standard wide-view mast
- ✓ The channel with own patented technology has the first-rate quality.



A reliable hydraulic system

HELI has the most professional R&D base of cylinders, where we take advantage of the advanced manufacturing technologies and detecting means to ensure the reliability of all cylinders of the hydraulic system.

- ✓ Standard tilt cylinder by HELI
- ✓ Standard lift cylinder by HELI
- ✓ Standard steering cylinder by HELI
- ✓ Self-locking tilt cylinder
- ✓ Standard hydraulic circuit filter
- ✓ Speed buffer device on lifting system



A reliable steering system

The steering system with new technologies not only provides a smoother swerve and faster positioning & steering, but also effectively ensures operators' safety.



- ✓ Wearable tire
- ✓ Smaller turning radius
- ✓ Full hydraulic power steering

Comfortable operation space

Large operation space with ergonomic-design and configuration ensure the operation more comfortable & convenient, and effectively enhance the efficiency & safety of operation.

- ✓ Filled with noise-reducing and buffer rubber material between bonnet and frameworks
- ✓ Newly patented insulation materials of Bonnet
- ✓ Well-designed non-slip mat
- ✓ Special display with easily reading
- ✓ Standard files packet
- ✓ Exhaust system is flexibly connected with the frame.





ENGINE POWERED
FORKLIFT

1-3.5 ton



Manufacturers Data and Design Characteristics

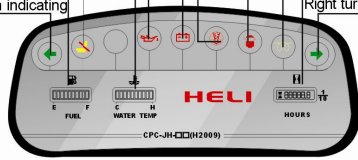
Characteristics		HELI																																																																					
1	Manufacturer	HELI																																																																					
2	Model	CPC10	CPD10	CPC15	CPD15	CPC18	CPD18	CPC20	CPD20	CPC25	CPD25	CPC30	CPD30	CPC35	CPD35	CPQ10	CPQD10	CPQ15	CPQD15	CPQ18	CPQD18	CPQ20	CPQD20	CPQ25	CPQD25	CPQ30	CPQD30	CPQ35	CPQD35																																										
3	Power unit	Diesel									Gasoline																																																												
4	Rated Capacity	kg	1000	1500	1750	2000	2500	3000	3600	1000	1500	1750	2000	2500	3000	3500																																																							
5	Load Center	mm	500																																																																				
6	Operation	Driver seated									Driver seated																																																												
Dimensions																																																																							
7	Overall max.lifting height (with backrest)	h4	mm	4030	4030	4030	4030	4030	4262	4262	4030	4030	4030	4030	4030	4262	4262																																																						
8	Max.Lifting height	h3	mm	3000			3000																																																																
9	Height mast retracted(upright)	h1	mm	1995	1995	1995	2000	2000	2070	2180	1995	1995	1995	2000	2000	2070	2180																																																						
10	Free lift height	h2	mm	152	155	155	170	170	160	170	152	155	155	170	170	160	170																																																						
11	Backrest height(from upper face of forks)	h8	mm	1008	1005	1005	995	995	1227	1222	1008	1005	1005	995	995	1227	1222																																																						
12	Overhead Guard clearance(from face of seat)	h7	mm	1025			1035																																																																
13	Overall height(overhead guard)	h6	mm	2070	2070	2070	2070	2070	2090	2090	2070	2070	2070	2070	2070	2090	2090																																																						
14	Overall length(with forks)	L1	mm	2941	3165	3213	3442	3667	3772	3783	2941	3165	3213	3442	3667	3772	3783																																																						
15	Overall length(without forks)	L2	mm	2171	2245	2293	2522	2597	2702	2713	2171	2245	2293	2522	2597	2702	2713																																																						
16	Front overhang	X	mm	418	421	421	482	482	487	498	418	421	421	482	482	487	498																																																						
17	Rear overhang	L4	mm	350	420	465	440	515	515	515	350	420	465	440	515	515																																																							
18	Wheel base	L5	mm	1400	1400	1400	1600	1600	1700	1700	1400	1400	1400	1600	1600	1700	1700																																																						
19	Coupler height	h5	mm	250	250	250	290	290	310	310	250	250	250	290	290	310	310																																																						
20	Min.ground clearance under mast	m1	mm	110	110	110	110	110	135	135	110	110	110	110	135	135																																																							
21	Overall width	B	mm	1070	1070	1070	1150	1150	1225	1225	1070	1070	1070	1150	1150	1225	1225																																																						
22	Lateral fork adjustment outside of fork(Max./Min.)	S	mm	950/200			1000/222			1055/250			1055/250			950/200			1000/222			1055/250			1055/250																																														
23	Tread(front)	R	mm	890	890	920	970	970	1000	1000	890	890	920	970	970	1000	1000																																																						
24	Tread(rear)	P	mm	920	920	920	970	970	970	970	920	920	920	970	970	970																																																							
25	Outside turning radius	Wa	mm	1880	1955	1985	2170	2240	2400	2420	1880	1955	1985	2170	2240	2400	2420																																																						
26	Inside turning radius	V	mm	110	110	95	160	160	200	200	110	110	95	160	160	200	200																																																						
27	Min.intersecting aisle	Ra	mm	1977	2052	2093	2200	2280	2380	2400	1977	2052	2093	2200	2280	2380	2400																																																						
28	Tilting angles(forward/backward)	φβ	6° /12°																																																																				
29	Fork dimensions(axbxc)	mm	770×100×32	920×100×35	920×100×35	920×122×40	1070×122×40	1070×125×45	1070×125×50	770×100×32	920×100×35	920×100×35	920×122×40	1070×122×40	1070×125×45	1070×125×50																																																							
Performance																																																																							
30	Max. Traveling speeds(With/Without load)	km/h	13.5/14.5			17/19			18/19			19/19			13.5/14.5			17/19			18/19			19/19																																															
31	Lifting Speeds(With/Without load)	mm/s	590/650			530/550			440/480			330/370			590/650			530/550			450/480			310/340																																															
32	Lowering Speeds(With/Without load)	mm/s	450/550			450/550			450/500			350/400			450/550			450/550			450/500			350/400																																															
33	Max. Draw-bar pull.(With/Without load)	kN	12.3/7	18/7	12.3/7	18/7	12.3/7	18/7	14.2/9	16.4/9	13.7/8.6	16.2/8.6	13.5/9.8	16/9.8	16.7/11.8	20.6/11.8	9.3/6.9	14.2/6.9	9.3/6.9	14.2/6.9	11/9	12.3/9	9.8/8.6	12.3/8.6	9.1/9.8	10.8/9.3	14/9.8	18.5/9.8																																											
34	Max. Negotiable Gradient(With/Without load)	%	≥20			23/20			25/20			20/17			21.5/17			15/17			16/17			20/15			22/15			30/22			37/22			23/18			27/18			20/17			24/17			18/20			18/20			15/17			15/17			12/14			14/14			15/15			15/15		
Weights																																																																							
35	Service Mass	kg	2220	2660	2890	3320	3680	4270	4700	2220	2660	2890	3320	3680	4270	4700																																																							
36	Load Wheel with load(Front/Rear)	kg	2830/390	3640/520	4040/600	4788/532	5562/618	6543/727	7380/820	2830/390	3640/520	4040/600	4788/532	5562/618	6543/727	7380/820																																																							
37	Load Wheel without load(Front/Rear)	kg	1220/1000	1170/1490	1140/1750	1328/1992	1472/2208	1708/2562	1880/2820	1220/1000	1170/1490	1140/1750	1328/1992	1472/2208	1708/2562	1880/2820																																																							
Tyres																																																																							
38	Wheels number front/rear(x=driven)	2X/2											2X/2																																																										
39	Tyre Type	Pneumatic											Pneumatic																																																										
40	Tyre size(front)	6.50-10-10PR						7.00-12-12PR			28×9-15-12PR		28×9-15-14PR		6.50-10-10PR						7.00-12-12PR			28×9-15-12PR		28×9-15-14PR																																													
41	Tyre size(rear)	5.00-8-8PR						6.00-9-10PR			6.50-10-10PR		6.50-10-10PR		5.00-8-8PR						6.00-9-10PR			6.50-10-10PR		6.50-10-10PR																																													
42	Service Brake	Hydraulic-Foot Pedal											Hydraulic-Foot Pedal																																																										
43	Parking Brake	Mechanical-Hand Lever											Mechanical-Hand Lever																																																										
Drive																																																																							
44	Battery (Voltage/Capacity)	V/Ah	12/80											12/60																																																									
45	Internal Combustion Engine Model	ISUZU C240PKJ						ISUZU C240PKJ			ISUZU 4JG2		NISSAN K15						NISSAN K21			NISSAN K25																																																	
46	Internal Combustion Engine Rated Output	kW/rpm	35.4/2500			35.4/2500			44.9/2450			31.2/2250						37.6/2400			176.5/1600																																																		
47	Internal Combustion Engine Rated Torque	Nm/rpm	139.9/1830			139.9/1800			184.7/1600~1800			103/1600						143.7/1600			176.5/1600																																																		
48	Internal Combustion Engine Number of Cylinder	4-86×1C2						4-86×102			4-95.4×107		4-75.5×83						4-89×83			4-89×100																																																	
49	Internal Combustion Engine Displacement	L	2.369			2.369			3.05		1.468						2.065			2.488																																																			
50	Internal Combustion Engine Fuel Tank Capacity	L	38											60																																																									
51	Transmission Number of Speed Fwd/Bwd type	1-1Power Shift T/M, 2-2 Manual Shift T/M											1-1Power Shift T/M, 2-2 Manual Shift T/M																																																										

Engin Model and Main Specification for Option

Engine Model	Rated Power / Rotating Speed (kW/rpm)	Rated Torque / Rotating Speed (Nm/rpm)	Engine Capacity (L)	Number of cylinders	Remark
Kubota V2403	35.4/2400	161.3/1600	2.434	4	For 1-2.5t
	36.5/2600	164/1500	2.434	4	For 3-3.5t
Kubota V3600	46.9/2400	210/1600	3.62	4	For 3-3.5t
QUANCHAI QC490GP	39/2650	162/1950	2.67	4	For 2-3.5t
XINCHANG A490BPG	36.8/2650	148/1900	2.54	4	For 2-3.5t
XINCHANG A498BPG	45/2500	193/1800	3.168	4	For 2-3.5t
DACHAI CA468-97	45/2500	170~180/1600~1800	3.168	4	For 2-3.5t
JIANGLING H493	33/2300	153/1800	2.771	4	For 1-1.8t
JIANGLING H493	39/2500	165/1800	2.771	4	For 2-3.5t
XINCHANG NC468BPG	30/2600	131/1700~1900	2.27	4	For 1-1.8t

Reliable special designed instrument

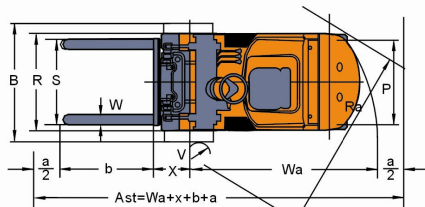
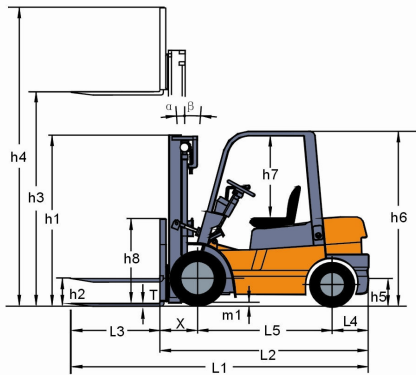
- Not-charging alarm
- Low oil pressure alarm
- Water temperature
- Seat alarm indicator
- Fuel gauge
- left turn indicating
- Air filter blocking alarm
- Oil-waterseparator alarm
- Preheat indicator
- Time
- Right turn indicating



Standard

The reliable special instrument gives a complete display of the vital information, like operation status, fault detection, etc. It ensures the operator predominate the vehicle status more intuitive and convenient.

- Stepping motor core
- Electrical safety standard meets CE requirements



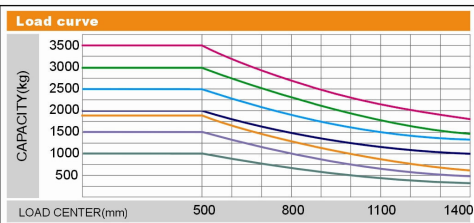
Ast: Aisel width with load
a: Clearance
b: Load Length

GROUND CLEARANCE	2t/2.5t	3t
Drive Axle	135	140
Steer Axle	150	150
Counter Weight	140	155
Frame	120	130

- CPQ20/CPD20, CPQ25/CPD25, CPQ30/CPD30, CPQ35/CPD35
- CPQ15/CPD15, CPQ18/CPD18, CPQ19/CPD19, CPQ20/CPD20, CPQ25/CPD25, CPQ30/CPD30, CPQ35/CPD35
- CPQ15/CPD15, CPQ18/CPD18, CPQ19/CPD19, CPQ20/CPD20, CPQ25/CPD25, CPQ30/CPD30, CPQ35/CPD35
- CPQ15/CPD15, CPQ18/CPD18, CPQ19/CPD19, CPQ20/CPD20, CPQ25/CPD25, CPQ30/CPD30, CPQ35/CPD35

Note:

Capacities shown are computed with upright in vertical position, based on a 1000 mm cube load configuration with the center of gravity at the true center of the cube, and standard forks. Truck capacities with upright in forward tilt position will be less. Long forks, and unusually wide or loads may also reduce capacity.



1-3.5t WIDE VIEW MAST

Mast model	Max. fork height (mm)	Capacity at 500mm; Load center(kg)								Overall Mast Height (mm)				Tilting Angle	Service Weight (kg)						
		CPQ10/CPD10	CPQ15/CPD15	CPQ18/CPD18	CPQ20/CPD20	CPQ25/CPD25	CPQ30/CPD30	CPQ35/CPD35	CPQ30/CPD30	CPQ35/CPD35	1-1.8	2-2.5	3t		3.5t	CPQ10/CPD10	CPQ15/CPD15	CPQ18/CPD18	CPQ20/CPD20	CPQ25/CPD25	CPQ30/CPD30
M200	2000	1000	1500	1750	2000	2500	3000	3500	3500	1495	1500	1565	1660	6-12	2120	2530	2760	3240	3600	4265	4800
M250	2500	1000	1500	1750	2000	2500	3000	3500	3500	1745	1750	1815	1930	6-12	2145	2555	2785	3280	3640	4310	4850
M300	3000	1000	1500	1750	2000	2500	3000	3500	3500	1995	2000	2065	2180	6-12	2220	2630	2860	3360	3680	4270	4700
M330	3300	1000	1500	1750	2000	2500	3000	3500	3500	2145	2150	2215	2330	6-12	2195	2605	2835	3345	3705	4375	4935
M350	3500	1000	1500	1750	2000	2500	3000	3500	3500	2245	2250	2315	2430	6-12	2210	2620	2850	3360	3720	4390	4935
M370	3700	1000	1500	1750	2000	2500	3000	3500	3500	2345	2350	2415	2530	6-6	2230	2640	2870	3375	3735	4410	4970
M400	4000	1000	1500	1750	2000	2500	3000	3500	3500	2545	2550	2615	2730	6-6	2270	2680	2910	3420	3780	4470	5055
M425	4250	950	1400	1600	1800	2250	2850	3100	3100	2670	2675	2740	2855	6-6	2285	2695	2925	3440	3800	4490	5085
M450	4500	950	1300	1500	1700	2000	2500	3000	3000	2795	2800	2865	2980	6-12	2300	2710	2940	3460	3820	4510	5100
M500	5000	930	1000	1100	1200	1300	1400	1500	1500	3045	3050	3115	3230	6-6	2335	2745	2975	3500	3860	4550	5170
M550	5500	900	950	1050	1150	1250	1350	1450	1450	3345	3350	3415	3530	3-6	2500	2910	3140	3695	4055	4780	5270
M600	6000	850	950	1050	1150	1250	1350	1450	1450	3595	3595	3660	3780	3-6	2530	2940	3170	3735	4095	4820	5330

- NOTE: (1) For gas, diesel model: +90kg dual wheels weight; +10kg.
(2) * (Front wheel) is dual wheels load capacity.
(3) Rated capacity with (*) shows capacity with front dual tires.
(4) Max. lifting without lift-bracket: 470mm.

1-3.5t WIDE VIEW FULL FREE 2-STAGE MAST

Mast model	Max. fork height (mm)	Capacity at 500mm; Load center(kg)								Overall Mast Height (mm) At Lowered				Free Lift (with Backset)				Tilting Angle	Service Weight (kg)						
		CPQ10/CPD10	CPQ15/CPD15	CPQ18/CPD18	CPQ20/CPD20	CPQ25/CPD25	CPQ30/CPD30	CPQ35/CPD35	CPQ30/CPD30	CPQ35/CPD35	1-1.8	2-2.5	3t	3.5t	1-1.8	2-2.5	3t		3.5t	CPQ10/CPD10	CPQ15/CPD15	CPQ18/CPD18	CPQ20/CPD20	CPQ25/CPD25	CPQ30/CPD30
ZM200	2000	1000	1500	1750	2000	2500	3000	3500	3500	1535	1495	1570	1690	520	495	340	460	6-12	2135	2555	2795	3250	3615	4290	4830
ZM250	2500	1000	1500	1750	2000	2500	3000	3500	3500	1745	1745	1820	1930	735	745	590	710	6-12	2165	2615	2855	3340	3680	4360	4880
ZM300	3000	1000	1500	1750	2000	2500	3000	3500	3500	1995	1995	2070	2180	965	965	840	960	6-12	2230	2680	2920	3385	3725	4390	4930
ZM330	3300	1000	1500	1750	2000	2500	3000	3500	3500	2145	2145	2220	2330	1135	1145	990	1100	6-12	2250	2670	2910	3405	3750	4415	4965
ZM350	3500	1000	1500	1750	2000	2500	3000	3500	3500	2245	2245	2320	2430	1235	1245	1090	1210	6-12	2265	2685	2925	3420	3765	4480	5000
ZM370	3700	1000	1500	1750	2000	2500	3000	3500	3500	2370	2345	2420	2530	1360	1345	1205	1335	6-6	2280	2700	2940	3435	3785	4450	5000
ZM400	4000	1000	1500	1750	2000	2500	3000	3500	3500	2545	2545	2620	2730	1535	1545	1390	1510	6-6	2330	2750	2990	3500	3840	4545	5085
ZM425	4250	950	1400	1600	1800	2250	2850	3100	3100	2670	2670	2745	2855	1660	1670	1515	1635	6-6	2350	2770	3010	3525	3865	4565	5110
ZM450	4500	950	1300	1500	1700	2000	2500	3000	3000	2795	2795	2870	2980	1785	1795	1640	1760	6-6	2375	2795	3035	3545	3885	4595	5130
ZM500	5000	930	1000	1100	1200	1300	1400	1500	1500	3045	3045	3120	3230	2035	2045	1910	2010	6-6	2400	2820	3060	3590	3925	4615	5200
ZM550	5500	900	950	1050	1150	1250	1350	1450	1450	3345	3345	3420	3530	2335	2345	2190	2310	3-6	2575	2995	3235	3790	4120	4875	5300
ZM600	6000	850	950	1050	1150	1250	1350	1450	1450	3595	3595	3670	3780	2595	2595	2440	2560	3-6	2610	3030	3270	3835	4170	4920	5360

- NOTE: (1) 1.2-2.5t free lift height (without backset) +435mm, 3t free lift height (without backset) +580mm.
(2) Dual wheels weight +110kg.
(3) * (front wheel) is dual wheels load capacity.
(4) Max. lifting height without bracket: 470mm.
(5) Free lifting height without bracket: 470mm.
(6) Rated capacity with (*) shows capacity with front dual tires.

1-3.5t WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. fork height (mm)	Capacity at 500mm; Load center(kg)								Overall Mast Height (mm) At Lowered				Free Lift (with Backset)				Tilting Angle	Service Weight (kg)						
		CPQ10/CPD10	CPQ15/CPD15	CPQ18/CPD18	CPQ20/CPD20	CPQ25/CPD25	CPQ30/CPD30	CPQ35/CPD35	CPQ30/CPD30	CPQ35/CPD35	1-1.8	2-2.5	3t	3.5t	1-1.8	2-2.5	3t		3.5t	CPQ10/CPD10	CPQ15/CPD15	CPQ18/CPD18	CPQ20/CPD20	CPQ25/CPD25	CPQ30/CPD30
ZSM60	3600	1000	1450	1750	2000	2400	2800	3300	3300	1790	1795	1930	1975	780	795	710	750	6-6	2275	2695	2935	3470	3710	4580	—
ZSM80	4000	1000	1400	1600	1900	2400	2800	3300	3300	1915	1920	2055	2105	910	920	835	885	6-6	2300	2720	2960	3505	3745	4615	—
ZSM35	4350	950	350	1550	1850	2200	2800	3000	3000	2040	2045	2180	2230	1030	1045	950	1010	6-6	2325	2745	2985	3535	3885	4650	5075
ZSM40	4500	900	300	1500	1750	2150	2700	2900	2900	2090	2095	2230	2330	1090	1090	1010	1110	6-6	2355	2775	2995	3565	3910	4660	5080
ZSM470	4700	930	300	1450	1700	2100	2650	2850	2850	2160	2160	2230	—	1150	1160	1010	—	6-6	2385	2780	3005	3565	3910	4680	—
ZSM480	4800	900	1100	1400	1700	1950	2300	2800	2800	2190	2195	2330	2430	1180	1195	1110	1210	6-6	2375	2775	3010	3575	3915	4680	5095
ZSM500	5000	900	1100	1150	1200	1300	1400	1500	1500	2290	2295	2430	2555	1280	1295	1210	1335	6-6	2400	2780	3035	3715	4655	4725	5085
ZSM60	5400	800	850	950	1050	1150	1250	1350	1350	2415	2420	2555	2655	1410	1420	1335	1435	3-6	2420	2815	3055	3695	4325	4760	—
ZSM80	6000	550	550	550	550	550	550	550	550	2650	2645	2780	2875	1640	1645	156									