

#### Reliable special designed instrument

Neutral indicator

Preheating indicator

Left turning indicator

Cel lever gauge

Water temperat

Seat switch

Meter lighting

Low fluel lever alarm indicator

Filter block alarm

(带\*号为选配) (Item with \* are optional) Reliable special meter display the whole truck's working condition, fault detect and other important information completely which make the operator master the whole truck condition directly and conveniently.

Standard configuration

Hom Standard fork

Control valve Integrated electric box

Wholly hydraulic-powered steering Hydraulic oil circuit filter
S et nisuspension seat Flow regulator

Backrest Wide view mast

Back view mirror Air inteking device
Front combined lamp Durable tread tyre
Transmission oil filter Lifting and tilting operation lever

Engine flame out device Traction pin

Cable type parking brake Head lamp

Driver's tool Hydraulic oil dipstick
Rear combined lamp Overhead guard

Backward buzzer Torque converter oil dipstick

Tilt oil circuit self lock valve Combined instrument

Tilt adjustable steering column Electro-hydraulic direction changing

Overhead guard rain cover

Optional

Driver's cab Torque converter oil temperature meter

Warning light Tilting cylinder bush

Double-tyre and protection device

Power braking

High air exhausting device Customer made color
Double air cleaner Optional attachments

Suspension seat Steel protection net

Lengthening fork extension

Wann air blower

n air blower Rotating seat for Ipg
d tyre Single/dual fuel system

Solid tyre

Widen fork arm carrier

Wind shield

Cleansing muffler
Fire extinguisher muffler

Fire extinguisher
Rear working light

Air conditioner (certain type)

Travelling control system









## H SERIES INTERNAL COMBUSTION COUNTERBALANCED FORKLIFT TRUCK 2-3.5 to 11



### Improved performance, superior quality





#### Vibriation 20% reduced

#### Noise 3dB reduced

- Cushion connection and wholly suspension driver's cab absorb whole truck's vibration effectively.
- Noise around ear is reduced through down the tilting cylinder under the floor board and using fully closed patch type driver's cab.
- Lower damping device inside the lifting system reduces mast shock and vibration, avoiding crash noise caused by goods falling to the ground.

#### Workspace 45% increased

- Space around foot is effectively increased through up steering unit and using suspension type inching.
- The operation space is enlarged by heightened overhead guard and using large arc shape of the overhead guard's front leg
- Semi-suspension seat, steering wheel with small diameter, electro-hydraulic direction changing and automobile type double joystick combined switch effectively improve driving comfort.

#### ♠ Operator's view 20% improved

- Operator's front view is improved through the assembling of stand wide view mast and lowering the dashboard.
- > Operator's rear view improved through the CAE optimal designed counterweight.

### Working efficiency 20% improved

- > Small turning radius makes steering flexible and easy.
- The truck has fast lifting speed, good gradeability and high efficiency.
- High working efficiency guarantees the truck could meet the requirements for various kinds of complicated work condition perfectly wherever at port, dock and railway station.

#### ★ Loading capacity increased over 5%

- Stability 5% improved
- ♠ Reliability 40% improved
- The hot air reflow isolating device, optimal thermal dissipation duct and aluminum plate-fin type radiator improve cooling ability and ensure engine work reliability.
- Automobile type oil filling cap and optimal oil filling channel structure and process ensure whole truck's safety.
- The constant displacement pump load sensing steering system increases the lifting speed and reduces the hydraulic oil temperature.
- The optimal design of key parts like frame, mast, overhead guard and steering axle improve the whole truck's safety and reliability.
- The retroposition of whole truck's gravity center improve loading capacity, stability and safety.

#### ♠ Engine hood open angle increased to 80°

- > Enlarged internal space is convenient for engine and transmission box maintenance.
- Increased hood open angle contributes to quick and convenient maintenance.

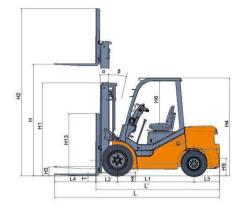


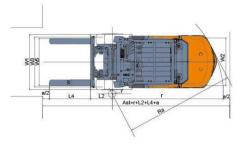
# H SERIES INTERNAL COMBUSTION 2-3.5 ton





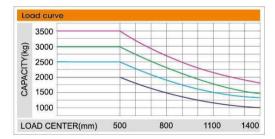
	Character																
1.1	Manufacturer								HE	ELI							
1.2	Model			CPC20 CPCD20	CPC	25 CPCD25	CPC30 CPCD3	CPC3	S5 CPCD35	CP(Q)(Y)20	CP(Q)(Y)D20	CP(Q)(Y)25	CP(Q)(Y)D25	CP(Q)(Y)30	CP(Q)(Y)D30	CP(Q)(Y)35	CP(Q)(Y)E
1.3	Engine type					Die	sel	V-					Gasolir	ne or LPG			
1.4	Rated capacity		kg	2000		2500	3000		3500	200	00	25	500	30	000		3500
1.5	Load center	1000			-				5	500							
1.6	Operation mode								Sea	nt-type							
	Size																
2.1	Max. Lifting height	H	mm		74		i i		3	000							
2.1	Mast overall height (fork to the ground and mast be vertical)	H1	mm	2000		2000	2065		2180	200	00	20	000	20	065		2180
2.3	Max. Fork lifting height (with backrest)	H2	mm	4030		4030	4245		4235	403	30	40	)30	42	245		4235
2.4	Free lift height	H3	mm	165		165	160		170	16		A CONTRACTOR OF THE PARTY OF TH	65	10	60		170
2.5	Overall height (overhead guard)	H4	mm	2	150		e.	2170			21	150				2170	
2.6	Min. Ground clearance(at the mast)	H5	mm	115		115	135		135	11	5	1	15	10	35		135
2.7	Distance from the surface of the seat to the overhead guard)	H6	mm			10	30						1	030			
2.8	Traction pin height	H9	mm	275		275	280		280	27	5	2	75	21	80		280
2.9	Backrest height (calculated from the surface of the fork)	H13	mm	1000		1000	1227		1222	100	00	10	000	12	227		1222
2.10	Overall length (with fork/without fork)	(L/L')	mm	3500/2580		3708/2638	3818/2748	3	3836/2766	3500/2	2580	3708	/2638	3818	/2748	38	336/2766
2.11	Wheel base	L1	mm	1650		1650	1700		1700	165	50	16	350	17	700		1700
2.12	Front overhang	L2	mm	473		473	478		496	47	3	4	73	4	78		496
2.13	Rear overhang	L3	mm	457		515	570		570	45	7	5	15	5	70		570
2.14	Overall width	W1	mm	1150		1150	1225		1225	115	60	11	150	12	225		1225
2.15	Tread (front tread/rear tread)	(W3/W2)	mm	970/970		970/970	1000/970	8	1000/970	970/9	970	970	/970	1000	0/970	10	000/970
2.16	Fork adjustable range (the external of the fork)(max/min.)	W5	mm	1030/244		1030/244	1060/250		1060/250		244	1030/244		1060/250		10	060/250
2.17	Min. Turning radius (exterior)	ř	mm	2255		2310	2400		2440		55	2310		24	100		2440
2.18	Min. Turning radius(interior)	r'	mm	180		180	200		200	18	0	1	80	20	00		200
2.19	Min.Right angle stacking aisle width	Ra	mm	2274		2330	2380		2415	227		1,000	330	1000	380		2415
2.20	Mast tilting angle	α/β	%		1		I.	4	6°	/12°							
2.21	Fork size	L4xWxT	mm	920×122×40	1	070 × 122 × 40	1070 × 125 × 45	107	70 × 125 × 50	920 × 12	22×40	1070×	122×40	1070×	125×45	1070	)×125×50
	Performance	1		400 10 C 100 10 C 10 C 10 C 10 C 10 C 10					AND COLOR OF THE PROPERTY OF T								
3.1	Max. Travelling speed (loaded/unloaded)		km/h	17/19		17/19	19/20		19/19	17/	19	17	/19	19	/20		19/20
3.2	Lifting speed (loaded/unloaded)	-	mm/s	560/600		560/600	500/550		400/420	520/	570	520	/570	420	/480	3	370/410
3.3	Lowering speed (loaded/unloaded)		mm/s	450/500		450/500	450/550		350/400	450/			/500		/550		350/400
3.4	Max. Drawbar pull (loaded/unloaded)		kN	12.5/8.5 16/11.5	15/8	A STATE OF THE PARTY OF THE PAR	17/14.5 19/14.5	18/14.	The second secon	15/10.5	16/10.5	15/10.5	16.5/10.5	17/13.5	18/13.5	18/13.5	The second secon
3.5	Max. Gradability (loaded/unloaded)		%	15/20 20/20	15/	THE RESERVE OF THE PERSON NAMED IN COLUMN 1	17/20 23/20	15/20	1745	15/20	20/20	15/20	20/20	17/20	23/20	15/20	21/20
	weight																
4.1	Total weight		kg	3448		3840	4370		4800	344	18	38	340	43	370		4800
4.2	Weight distribution loaded(front/rear)		kg	4794/654		5520/820	6460/910	1	7470/830	4794/	654	5520	0/820	6460	0/910	74	470/830
4.3	Weight distribution unloaded(front/rear)		kg	1643/1805		1584/2256 1710/26			1880/2920	1643/	1805	1584	/2256	1710	/2660	0.000	880/2920
	wheel and tyre																
5.1	Wheel number x=drive wheel (front/rear)								2	X/2							
5.2	Tyre type (front/rear)									natic tyre							
5.3	Tyre size (front/rear)			7.00-12-12PR/6.00-9-10P	7.00-1	2-12PR/6.00-9-10PR	28×9-15-12PR/6.50-10-1	PR 28×9-15-		1	6.00-9-10PR	7.00-12-12PF	R/6.00-9-10PR	28×9-15-12PF	R/6.50-10-10PI	28×9-15-1	4PR/6.50-10-10
5.4	Service brake									-Foot Pedal							
5.5	Parking brake									I-Hand Lever							
	Drive and transmission control device																
6.1	Battery (voltage/capacity)		V/Ah			12/	80						1	2/60			
6.2	Engine mode				IS	JZU C240PKJ		IS	SUZU 4JG2					T K25			
6.3	Engine rated power		kW/rpm			35.4/2500			44.9/2450					1/2400			
6.4	Engine rated torque		Nm/rpm			139/1800			1.7/1600-1800					5/1600			
6.5	Engine cylinder number-borexstroke					4-86×102			1-95.4×107								
6.6	Engine displacement		L			2.369		3.05				4-89×100 2.488					
6.7			1111111111111111111							60			_				
	Engine fuel tank capacity  Transmission box shifting gears (front/ rear type)									~~							





Ast: Right angle stacking aisle width

- a: Clearance
- L4: Fork Length



Note: The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front of the fork. The base point of the standard load refers to the center position of the cube with 1000mm length of side. When mast is tilted forward, nonstandard fork usage or load with over wide goods, load capacity will be reduced. Different load capacity in different load center can be known in time through load chart.

CP(Q)(Y)20	CP(Q)(Y)25	CP(Q)(Y)30	CP(Q)(Y)35
CP(Q)(Y)D20	CP(Q)(Y)D25	CP(Q)(Y)D30	CP(Q)(Y)D35
CPC20	CPC25	CPC30	CPC35
CPCD20	CPCD25	CPCD30	CPCD35

mastmodel	Max.	Load	capacity (load	d center 500n	nm)(kg)	Mast overall h	eight (fork to the	e ground)(mm)		Service v	veight (kg)		mastiitandi
	lifting height mm	CP(Q)(Y)20/ CP(Q)(Y)D20/ CPC20/CPCD20	CP(Q)(Y)25/ CP(Q)(Y)D25/ CPC25/CPCD25	CP(Q)(Y)30/ CP(Q)(Y)D30/ CPC30/CPCD30	CP(Q)(Y)35/ CP(Q)(Y)D35/ CPC35/CPCD35	2-2.5t	3t	3.5t	CP(Q)(Y)20/ CP(Q)(Y)D20/ CPC20/CPCD20	CP(Q)(Y)25/ CP(Q)(Y)D25/ CPC25/CPCD25	CP(Q)(Y)30/ CP(Q)(Y)D30/ CPC30/CPCD30	CP(Q)(Y)35/ CP(Q)(Y)D35/ CPC35/CPCD35	(°) α/β
M200	2000	2000	2500	3000	3500	1500	1570	1680	3265	3640	4280	4700	6-12
M250	2500	2000	2500	3000	3500	1750	1820	1930	3310	3685	4335	4750	6-12
M300	3000	2000	2500	3000	3500	2000	2070	2180	3345	3750	4370	4800	6-12
M330	3300	2000	2500	3000	3500	2150	2220	2330	3370	3745	4395	4830	6-12
M350	3500	2000	2500	3000	3500	2250	2320	2430	3385	3760	4420	4850	6-12
M370	3700	2000	2500	3000	3500	2350	2420	2530	3400	3775	4430	4870	*6-12
M400	4000	2000	2500	3000	3200 *3500	2550	2620	2730	3465	3840	4490	4940	*6-6 *6-12
M425	4250	1900 *2000	2250 *2500	2850 *3000	3100 *3200	2675	2745	2855	3485	3860	4510	4970	*6-12
M450	4500	1800 *1900	2100 *2400	2600 *3000	3000 *3050	2800	2870	2980	3500	3875	4535	4990	6-6 *6-12
M500	5000	*1600	1650 *2200	2100 *2850	2100 *2850	3050	3120	3230	3545	3920	4575	5040	6-6 *6-12
M550	5500	*1600	*1950	*2400	*2400	3350	3420	3530	3590	3965	4745	5245	*3-6
M600	6000	*1500	*1800	*2000	*2000	3600	3670	3780	3630	4005	4795	5285	*3-6

Note: (1) \*stands for the rated capacity when the front tyre is double-tyre. (2) When the front tyre of the 2-3.5t truck is double tyre, the service weight of the truck is the weight in the table plus 110kg.



Nast model		Load	capacity (Ic	ad center 5	(00mm)	Mast overall	height (fork to	the ground)	Free lifting	height (wit	h backrest)		Service	weight		Mast
	lifting height mm	CP(Q)(Y)20/ CP(Q)(Y)D20/ CPC20/ CPCD20	CP(Q)(Y)25/ CP(Q)(Y)D25/ CPC25/ CPCD25	CP(Q)(Y)30/ CP(Q)(Y)D30/ CPC30/ CPCD30	CP(Q)(Y)35/ CP(Q)(Y)D35/ CPC35/ CPCD35	2-2.5t	3t	3.5t	2-2.5t	3t	3.5t	CP(Q)(Y)20/ CP(Q)(Y)D20/ CPC20/ CPCD20	CP(Q)(Y)25/ CP(Q)(Y)D25/ CPC25/ CPCD25	CP(Q)(Y)30/ CP(Q)(Y)D30/ CPC30/ CPCD30	CP(Q)(Y)35/ CP(Q)(Y)D35/ CPC35/ CPCD35	tilt angle (°) α/β
ZM200	2000	2000	2500	3000	3500	1495	1570	1680	495	370	500	3640	3645	4330	4770	6-12
ZM250	2500	2000	2500	3000	3500	1745	1820	1930	745	620	750	3685	3690	4370	4820	6-12
ZM300	3000	2000	2500	3000	3500	1995	2070	2180	995	870	1000	3750	3730	4420	4870	6-12
ZM330	3300	2000	2500	3000	3500	2145	2220	2330	1145	1020	1150	3745	3760	4445	4895	6-12
ZM350	3500	2000	2500	3000	3500	2245	2320	2430	1245	1120	1250	3760	3775	4465	4915	6-6 *6-12
ZM370	3700	2000	2500	3000	3500	2345	2420	2530	1370	1230	1350	3775	3790	4480	4935	6-6 *6-12
ZM400	4000	2000	2500	3000	3200 *3500	2545	2620	2730	1545	1420	1550	3840	3855	4550	5000	6-6 *6-12
ZM425	4250	1900 *2000	2250 *2500	2850 *3000	3100 *3200	2670	2745	2855	1670	1545	1675	3860	3875	4575	5025	*6-12
ZM450	4500	1800 *1900	*2100 *2400	2750 *3000	3000 *3050	2795	2870	2980	1795	1670	1800	3875	3900	4595	5050	6-6 *6-6
ZM500	5000	*1600 *1700	1650 *2200	2400 *2850	2500 *2850	3045	3120	3230	2045	1920	2050	3920	3940	4640	5100	*3-6
ZM550	5500	*1600	*1950	*2450	*2500	3345	3420	3530	2345	2220	2350	3965	4130	4830	5295	*3-6
ZM600	6000	*1500	*1800	*2200	*2300	3595	3670	3780	2595	2470	2600	4005	4175	4875	5350	*3-6

Note: (1) \*stands for the rated capacity when the front tyre is double-tyre.

- (2) When the front tyre of the 2-3.5t truck is double tyre, the service weight of the truck is the weight in the table plus 110kg.
- (3) The free lifting height (without backrest) of the 1-1.8t truck is the height (with backrest) in the table plus 431mm. The free lifting height (without backrest) of the 2-2.5t truck is the height (with backrest) in the table plus 459mm. The free lifting height (without backrest) of the 3t truck is the height (with backrest) in the table plus 588mm. The free lifting height (without backrest) of the 3.5t truck is the height (with backrest) in the table plus 523mm.

Mast model			capacity (Ic	ad center 5	(00mm)	Mast overall	height (fork to	the ground)	Free lifting	height (with	h backrest)		Service	weight		Mast
	lifting height mm	CP(Q)(Y)20/ CP(Q)(Y)D20/ CPC20/ CPCD20	CP(Q)(Y)25/ CP(Q)(Y)D25/ CPC25/ CPCD25		CP(Q)(Y)35/ CP(Q)(Y)D35/ CPC35/ CPCD35	2-2.5t	3t	3.5t	2-2.5t	3t	3.5t	CP(Q)(Y)20/ CP(Q)(Y)D20/ CPC20/ CPCD20	CP(Q)(Y)25/ CP(Q)(Y)D25/ CPC25/ CPCD25	CP(Q)(Y)30/ CP(Q)(Y)D30/ CPC30/ CPCD30	CP(Q)(Y)35/ CP(Q)(Y)D35/ CPC35/ CPCD35	
ZSM360	3600	1900	2400	2900	3300	1795	1946	1946	755	740	740	3540	3900	4610	4925	*6-
ZSM400	4000	1900	2400	2900	3300	1920	2065	2065	880	865	865	3570	3930	4640	4955	6-6 *6-6
ZSM435	4350	1850 *1900	2200 *2400	2800 *2900	2900 *3000	2045	2190	2190	1005	990	990	3600	3960	4665	4980	6-1 *6-1
ZSM450	4500	1750 *1800	2150 *2300	2700 *2800	2800 *2900	2095	2240	2240	1055	1040	1040	3610	3970	4680	4995	*6-6
ZSM470	4700	1700 *1800	2000 *2300	2600 *2800	2600 *2900	2160	2240	2240	1120	1040	1040	3625	3985	4700	5015	*6-
ZSM480	4800	1700 *1800	1950 *2300	2500 *2800	2600 *2900	2195	2340	2340	1155	1140	1140	3630	3990	4720	5025	6-6 *6-6
ZSM500	5000	1600 *1750	1650 *2250	2400 *2750	2450 *2850	2295	2440	2440	1255	1240	1240	3655	4015	4745	5060	6-6 *6-6
ZSM540	5400	1450 *1700	1500 *2150	2250 *2650	2300 *2700	2420	2565	2565	1380	1365	1365	3685	4045	4775	5090	*3-
ZSM600	6000	950 *1600	1000 *1800	1500 *2100	1550 *2200	2645	2790	2790	1605	1590	1590	3765	4125	4865	5180	*3-

Note: (1) \*stands for the rated capacity when the front tyre is double-tyre.

- (2) When the front tyre of the 2-3.5 truck is double byre, the service weight of the truck is the weight in the table plus 110kg.

  (3) The free lifting height (without backrest) of the 1-1.8 truck is the height (with backrest) in the table plus 496mm. The free lifting height (without backrest) of the 2-2.5 truck is the height (with backrest) in the table plus 453mm. The free lifting height (without backrest) of the 3.5t truck is the height (with backrest) in the table plus 582mm. The free lifting height (without backrest) of the 3.5t truck is the height (with backrest) in the table plus 487mm.

Engine model	Rated power/ rotating speed (kW/rpm)	Rated power/ rotating speed (Nm/rpm)	Engine displacement (L)	Engine cylinder number
ISUZU 4JG2	44.9/2450	184.7/1600-1800	3.05	4
HJ493	39/2500	165/1800	2.771	4
Dachai CA498	45/2500	170~180/1600~1800	3.168	4
GCT K21	31.5/2200	140/1600	2.065	4