

# VMAX

ISUZU ENGINE MADE IN JAPAN  
MITSUBISHI ENGINE MADE IN JAPAN

## 3-12t

### K Series - Diesel Forklift

**ISUZU**

 **MITSUBISHI**



ANHUI VMAX HEAVY INDUSTRY CO., LTD

# INTERNAL COMBUSTION FORKLIFT

## K Series 3.0-3.8Ton



Mast model	Max.lifting height (mm)	Load capacity (kg) (load center 500mm)			Mast overall height (mm)			Mast tilting angle ° (front/rear)
		3t	3.5t	3.8t	3t	3.5t	3.8t	
M300	3000	3000	3500	3800	2065	2120	2120	6/12
M330	3300	3000	3500	3800	2215	2270	2270	6/12
M350	3500	3000	3500	3800	2315	2370	2370	6/12
M370	3700	3000	3500	3800	2415	2470	2470	6-6 *6-12
M400	4000	3000	3300 *3500	3500 *3800	2615	2670	2670	6-6 *6-12
M450	4500	2600 *3000	2900 *3100	3100 *3300	2865	2920	2920	6-6 *6-12
M500	5000	2100 *2850	2400 *2750	2650 *2800	3115	3170	3170	6-6 *6-6
M550	5500	1650 *2400	1800 *2500	1900 *2600	3415	3470	3470	*3-6
M600	6000	1200 *2100	1400 *2300	1500 *2400	3665	3720	3720	*3-6

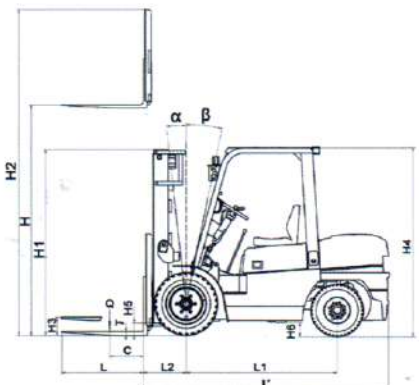
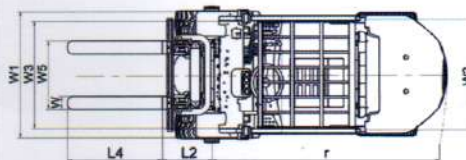
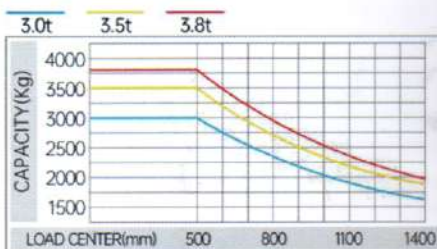
  

Mast model	Max.lifting height (mm)	Load capacity (kg) (load center 500mm)			Mast overall height (mm)			Free lifting height (with backrest)			Mast tilting angle ° (front/rear)
		3t	3.5t	3.8t	3t	3.5t	3.8t	3t	3.5t	3.8t	
ZM300	3000	3000	3500	3800	2065	2095	2095	825	870	870	6/12
ZM330	3300	3000	3500	3800	2215	2245	2245	975	1020	1020	6/12
ZM350	3500	3000	3500	3800	2315	2345	2345	1075	1120	1120	6/12
ZM400	4000	2700 *3000	3300 *3500	3500 *3800	2615	2645	2645	1375	1420	1420	6-6 *6-12
ZM450	4500	2400 *2700	2900 *3100	3100 *3300	2865	2895	2895	1625	1670	1670	6-6 *6-12
ZM500	5000	2000 *2400	2400 *2750	2650 *2800	3115	3145	3145	1875	1920	1920	6-6 *6-6

Mast model	Max.lifting height (mm)	Load capacity (kg) (load center 500mm)			Mast overall height (mm)			Free lifting height (with backrest)			Mast tilting angle ° (front/rear)
		3t	3.5t	3.8t	3t	3.5t	3.8t	3t	3.5t	3.8t	
ZSM360	3600	3000	3200	/	1820	1820	/	588	588	/	6-6 *6-6
ZSM400	4000	3000	3200	/	1953	1953	/	721	721	/	6-6 *6-6
ZSM435	4350	2800 *2850	3100 *3200	3200	2070	2070	2070	838	838	838	6-6 *6-6
ZSM450	4500	2500 *2700	2800 *3000	2950 *3200	2120	2120	2120	888	888	888	6-6 *6-6
ZSM480	4800	2250 *2450	2500 *2750	2700 *3000	2220	2220	2220	988	988	988	6-6 *6-6
ZSM500	5000	2100 *2300	2300 *2600	2450 *2700	2287	2287	2287	1055	1055	1055	6-6 *6-6
ZSM550	5500	1600 *2100	1700 *2300	1850 *2400	2453	2453	2453	1221	1221	1221	3-6 *3-6
ZSM600	6000	1200 *1900	1300 *2100	1400 *2200	2670	2670	2670	1438	1438	1438	3-6 *3-6

- (1) Free lifting height (without backrest) 3-3.8t: +580mm;
- (2) The service weight is the weight of forklift with dual tyres: +110 kg;
- (3) \*Refers to the load capacity of forklift with dual tyres;



## Technical Datas

		Model		CPC30K	CPCD30K	CPOD30K	CPQYD30K	CPC35K	CPCD35K	CPOD35K	CPQYD35K	CPC38K	CPCD38K	CPOD38K	CPQYD38K		
General	1.01	Rated capacity	Q	Kg		3000				3500				3800			
	1.02	Load center distance	C	mm		500				500				500			
	1.03	Power type		Diesel		Gasoline /LPG				Diesel		Gasoline /LPG		Diesel		Gasoline /LPG	
	1.04	Driving type				Seated				Seated				Seated			
	1.05	Wheel base	L1	mm		1740				1740				1740			
Tyres	2.01	Tyre type				Pneumatic				Pneumatic				Pneumatic			
	2.02	Wheel number (front/rear)				2X / 2				2X / 2				2X / 2			
	2.03	Front tread	W3	mm		1000				1000				1000			
	2.04	Rear tread	W2	mm		970				970				970			
	2.05	Tyre (front)				28X9-15-12PR				28X9-15-12PR				28X9-15-12PR			
	2.06	Tyre (rear)				6.50-10-10PR				6.50-10-10PR				6.50-10-10PR			
Size	3.01	Front overhang	L2	mm		469				487				489			
	3.02	Max tilting angle, front/rear	$\alpha/\beta$	°		6/12				6/12				6/12			
	3.03	Height with mast retraction	H1	mm		2065				2120				2120			
	3.04	Free lifting height	H3	mm		150				150				150			
	3.05	Max. lifting height	H	mm		3000				3000				3000			
	3.06	Max. height after lifting	H2	mm		4250				4250				4250			
	3.07	Overall guard height	H4	mm		2090				2090				2090			
	3.08	Fork size: length x width x thickness	LxWxT	mm		1070 x 122 x 45				1070 x 122 x 50				1070 x 122 x 50			
	3.09	Overall length (fork excluded)	L'	mm		2695				2700				2730			
	3.10	Overall width	W1	mm		1225				1225				1225			
	3.11	Turning radius	r	mm		2420				2420				2450			
	3.12	Ground clearance of mast	H5	mm		120				120				120			
	3.13	Ground clearance of wheel base center (loaded)	H6	mm		143				143				143			
	3.14	Lateral fork adjustment Max./Min.	W5	mm		1060/250				1060/250				1060/250			
Performance	4.01	Travelling speed (loaded/unloaded)		km/h		18/19.5				18/19.5				17/19.5			
	4.02	Lifting speed (loaded/unloaded)		mm/s		470/520				370/400				350/370			
	4.03	Lowering speed (loaded/unloaded)		mm/s		450/550				350/400				330/400			
	4.04	Gradeability (loaded/unloaded)		%		20/17	22/18	22/18		18/15	20/16	20/16		18/15	20/16	20/16	
	4.05	Max. traction force (loaded/unload)		N		18/14	18/14	18/14		19/14	19/14	19/14		19/14	19/14	19/14	
Weight	5.01	Total weight		Kg		4125				4470				4700			
	5.02	Axle load (unloaded), front/rear		Kg		1643/2422				1780/2620				1820/2820			
	5.03	Axle load (loaded), front/rear		Kg		6478/587				7180/720				7640/800			
Combustion engine	6.01	Engine manufacturer /Model		ISUZU C240		MITSUBISHI S4S		ISUZU C240		MITSUBISHI S4S		ISUZU C240		MITSUBISHI S4S			
	6.02	Rated power /Speed		Kw/rpm		35.4/2500	35.3/2250		35.4/2500	35.3/2250		35.4/2500	35.3/2250				
	6.03	Max. torque /Speed		Nm/rpm		137.7/1800	177/1700		137.7/1800	177/1700		137.7/1800	177/1700				
	6.04	Cylinder number - bore x stroke		4-86x102		4-94x120		4-86x102		4-94x120		4-86x102		4-94x120			
	6.05	Engine displacement		L		2.369		3.331		2.369		3.331		2.369		3.331	
	6.06	Emission								Stage IIIA							
Additional Transm- sion data	7.01	Transmission gears (front/rear)								Stage IIIA 1-1 Power Shift 2-2 Manual Shift							
	7.02	Fuel tank capacity		L						60							
Additional data	8.01	Service brake / parking brake								Hydraulic/Mechanical							
	8.02	Hydraulic system working pressure		Mpa						17.5							

### K Series 3.0-3.8T Diesel Forklift Optional Engines

Engine Model	Rated power/speed (kw/rpm)	Rated torque/speed (Nm/rpm)	Engine Displacement (L)	Cylinder number Bore x Stroke	Emission Standard
XINCHAI A498BPG	45/2500	193/1800 ~ 2000	3.168	4-98x105	Stage II
ISUZU C240	35.4/2500	137.7/1800	2.369	4-86x102	Stage IIIA
MITSUBISHI S4S	35.3/2250	177/1700	3.331	4-94x120	Stage IIIA
ISUZU 4JG2PE-01	46/2450	186/1700±100	3.059	4-95.4x107	Stage II
CUMMINS QSF2.8t3NA49	36.5/2500	186/1100-1700	2.8	4-94x100	Stage IIIA
CUMMINS QSF2.8t3NA60	43/2500	186/1100-1500	2.8	4-94x100	Stage IIIA
KOHLER 1903TCR	42/2600	225/1500	1.861	3-88x102	Stage IIIB/EPAT4F
XINCHAI 3E22YG51	44.8/2400	210/1600-1800	2.23	3-94x107	Euro V
KUBOTA V2607-CR-EW03	37.4/2400	174.1/1500	2.615	4-87x110	Euro V/EPAT4F

### K Series 3.0-3.8T GAS/LPG Forklift Optional Engines

Engine Model	Rated power/speed (kw/rpm)	Rated torque/speed (Nm/rpm)	Engine Displacement (L)	Cylinder number Bore x Stroke	Emission Standard
NISSAN GK25	37.4/2300 (GAS) 35/2300 (LPG)	176.5/1600 (GAS) 176/1600 (LPG)	2.488	4-89x100	Stage II
PSI 2.4	48/2700 (GAS) 46/2700 (LPG)	170/2400 (GAS) 168/1600 (LPG)	2.351	4-86.5x100	EPAT4
KUBOTA WG2503-GL-3 (certified)	42.8/2600 (GAS) 43.5/2600 (LPG)	163.3/1800 (GAS) 173.7/1400 (LPG)	2.491	4-88x102.4	EPA T3 / Euro V



## OPTIONAL ENGINES CATALOG



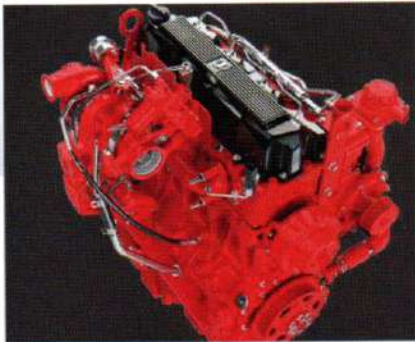
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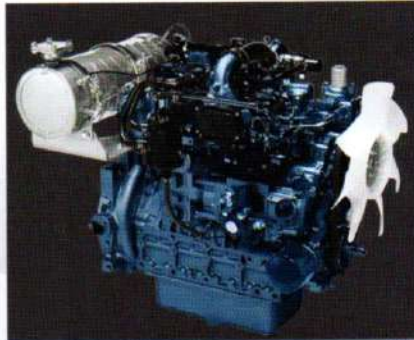
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XINCHAI



CUMMINS



KUBOTA



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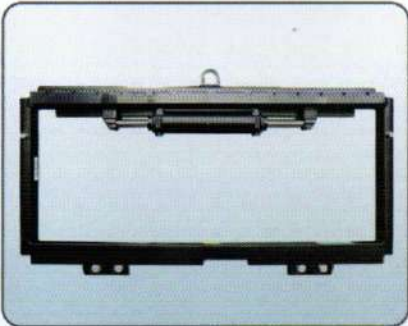
MITSUBISHI PSI



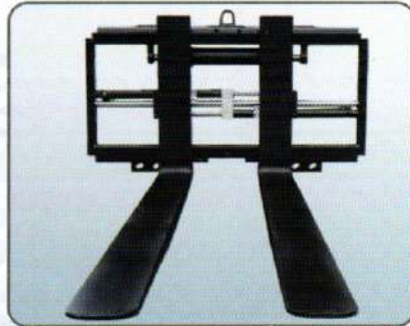
GQ-4Y



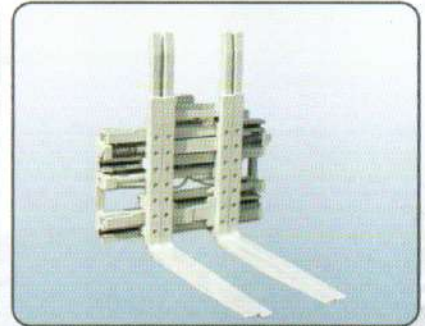
# ATTACHMENTS



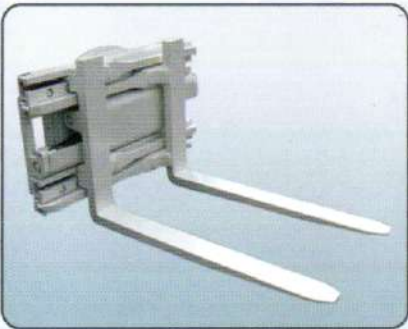
Sideshifter



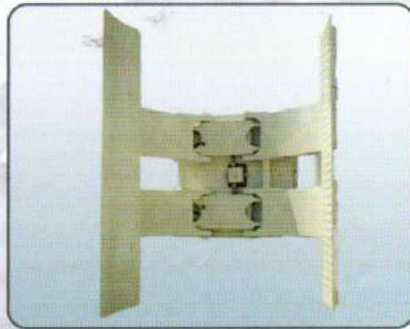
Side shift fork positioner



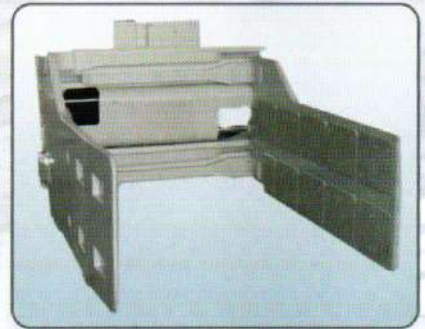
Single double pallet handlers



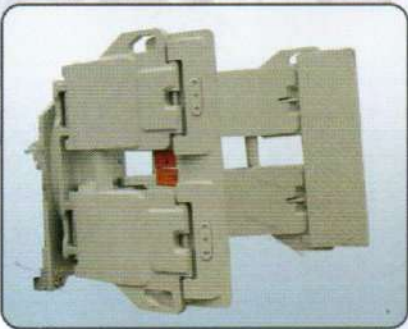
Fork clamps



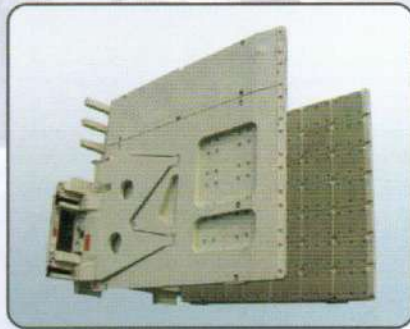
Tyre clamp



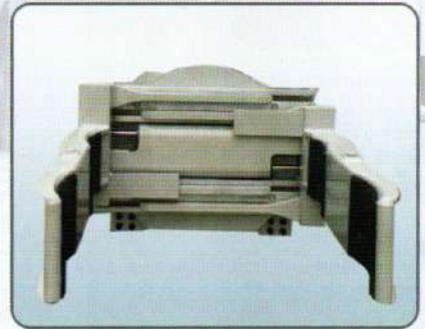
Multi purpose clamp



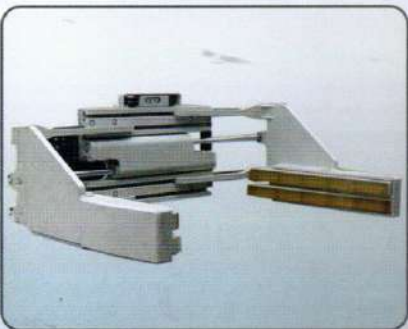
Paper roll clamp



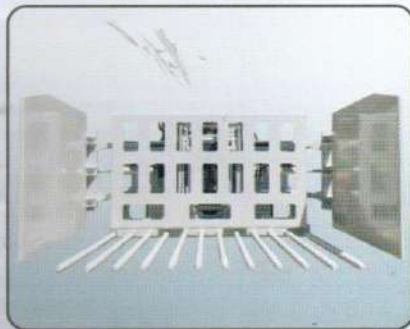
Tobacco carton clamp



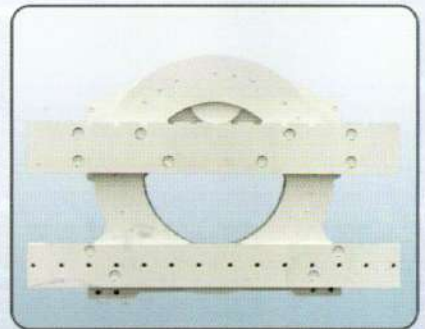
Drum clamp



Block clamp



Invert push



Rotator