HYSTER-YALE MAXIMAL FORKLIFT (ZHEJIANG) CO. LTD

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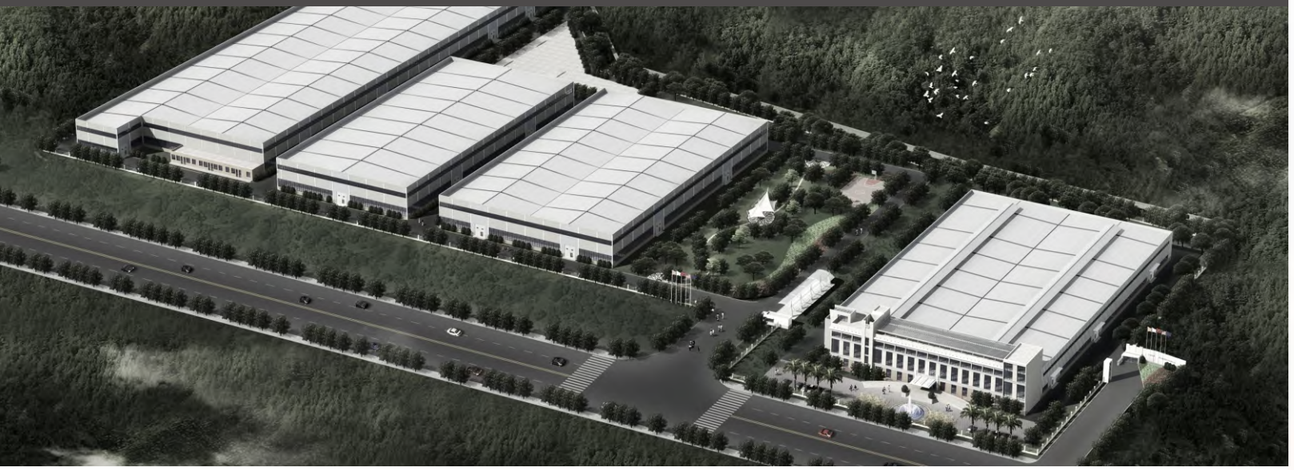
We work for maximal



maximal

A SERIES IC FORKLIFT TRUCK

A Series 4 - Compact 5T ICE Forklift

A Series 5 - 7T ICE Forklift

maximal | **MAXIMAL FORKLIFT**

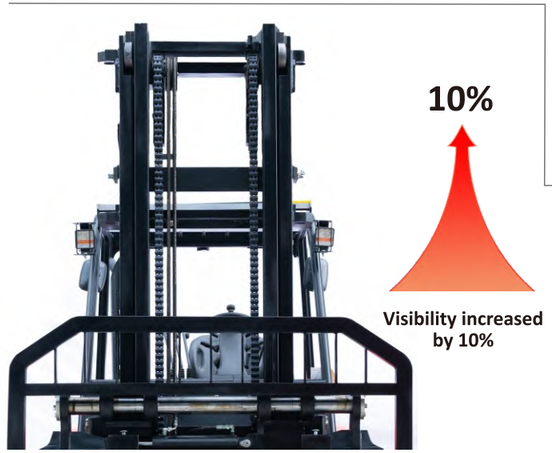
All the data on the catalogue is just for your reference. Maximal reserve the right for update or amendment when necessary.

CE CERTIFICATE ISO14001:2004 ISO9001:2000

Authorized dealer stamp

Safety & Stability

Mast and Mast Hydraulic (View improvement)



Smart dashboard

Replace the mechanical display with digital one, after entering the menu, thelanguage types can be adjusted according to different customer requirements.

Add counterweight grill, effective dustproof and internal protection, increased safety

Easy Maintenance

Hood opening angle

Use rough terrain truck hinge

Hood opening angle:

from old 60 degrees to 80 degrees, better accessibility to maintenance

High Efficiency

Hydraulic system improvement
The overall cleanliness of the hydraulic system is improved by wash machine.

Oil tank wash machine

Hand brake use ratchet type (lighter and easier)

Electrical elements improvement

Waterproof plug-in, with ratings of Ip56.
Plug-ins that reserve optional features are easy to install. (M series large tonnage many option not available i.e. handbrake alarm, seat belt sequence) while the new harness has reserved those functions.The corresponding electrical connector plug-ins are all updated to AMP plug-in, with better waterproofing.

Integrated electrical box, smaller in size than for the original M-Series, space-saving
The waterproof rating of the new electrical box is IP56 and the fire rating reaches V0.
The new electrical box integrates the DH296 box function and has a driving safety device.
Will improve vehicle safety performance (M-Series electrical boxes is without this device)

A series 4-Compact 5T Diesel forklift

Distinguishing mark	1	Model			FDTA45	FDTA50
	2	Type			Diesel	Diesel
	3	Opitonal Type			WI3/W(13A)3/G(25)3	WI3/W(13A)3/G(25)3
	4	Load capacity		kg	4500	5000
	5	Load centre		mm	500	500
	6	Load distance		mm	575	580
	7	Wheelbase		mm	2100	2100
Weight	8	Unladen weight		kg	6500	7010
	9	Axle loading	laden Front	kg	9766	10900
	10		laden Rear	kg	1234	1200
	11		Unladen Front	kg	2837	3160
	12		Unladen Rear	kg	3663	3850
Tyres, chassis	13	Tyres: L = pneumatic, V = cushion, SE = superelastic			L	L
	14	Tyre	Front		300-15-18PR	300-15-18PR
	15		Rear		7.00-12-12PR	7.00-12-12PR
	16	Number of wheels, front/rear (X = driven)			2X2	2X2
	17	Track width	Front	mm	1190	1190
	18		Rear	mm	1130	1130
Dimensions	19	Mast tilt angle	F/R	Deg	6/12	6/12
	20	Height of mast	lowered	mm	2250	2250
	21		extended	mm	4260	4260
	22	Free lift height		mm	150	155
	23	Lift height		mm	3000	3000
	24	Overall dimensions	overhead guard height	mm	2250 (2400)	2250 (2400)
	25		Seat height	mm	1350	1350
	26		Towing coupling height	mm	340	340
	27		Overall length	mm	4280	4345
	28		Length to face of forks	mm	3210	3275
	29		Overall width	mm	1490	1490
	30	Fork size（ISO2331）	LxWxT	mm	50/150/1070	55/150/1070
	31	Fork carriage width (DIN 15173,Class Ⅱ A/Ⅱ B)		mm	1380	1380
	32	Ground clearance	bottom of mast	mm	155	155
	33		wheelbase centre	mm	186	186
	34	Working aisle width	1000 x 1200 crossways	mm	4625	4685
	35	with pallet(Ast)*	800 x 1200 crossways	mm	4425	4485
	36	Outer turning radius		mm	2850	2905
Performance data	37	Speed	Travel (Unladen/laden)	km/h	24/25	25/27
	38		Lifting (Unladen/laden)	mm/s	0.53/0.56	0.53/0.56
	39		Lowering (Unladen/laden)	mm/s	0.48/0.50	0.48/0.50
	40	Max. Drawbar pull (Unladen/laden)		KN	30/23	30/23
	41	Max.Gradeability (Unladen/laden) @ 1.6km/h		%	22/25	20/25
	42	Service brake			hydraulic	hydraulic
Additional data	43	Operating pressure (For attachments)		MPA	19.5	19.5
	44	Fule tank	capacity		100	100
	45	Towing coupling	type DIN 15170		PIN	PIN

KUBOTA

Type:W(13A)3
Model:V3800 (EuV＋Tier 4)
Rated output:54.6 kw/ 2200 rpm
Rated torque:305.4 N·m/1500 rpm
No. of cylinder:4
Bore×Stroke:100×120mm
Displacement:3.769L
Range:A series 4-X5T

MITSUBISHI

Type:WI3
Model:S6S
Rated output:52kw/2450rpm
Rated torque:250N.m/1600rpm
No. of cylinder:6
Bore×Stroke:94×120mm
Displacement:4.996L
Range:A series 4.0- x5.0 ton

XINCHAI

Type:G(25)3
Model:4D35ZG31-056
Rated output:60kw/ 2200 rpm
Rated torque:300N.m/1600-1800rpm
No. of cylinder:4
Bore×Stroke:98×115mm
Displacement:3.47L
Range:A series 4.5ton

Diesel

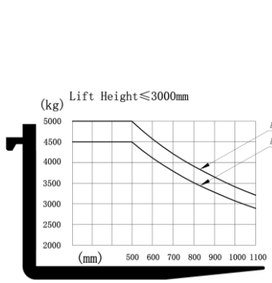
Gasoline/LPG

KUBOTA

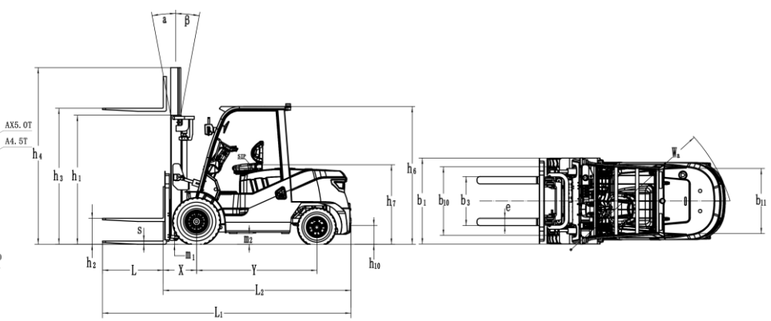
Type:W(J1)3
Model:WG3800 (Eu V)
Rated output:54.6 kw/ 2400 rpm
Rated torque:GAS 246.8 N·m/ 1400 rpm
PG 271.4 N·m/ 1200 rpm*
No. of cylinder:4
Bore×Stroke:100×120mm
Displacement:3.769L
Range:A series 4.0- x5.0 tonLPG

A series 4-Compact 5T LPG forklift

Distinguishing mark	1	Model			FGLTA45	FGLTA50
	2	Type			Gasoline/LPG	Gasoline/LPG
	3	Opitonal Type			W(J1)3	W(J1)3
	4	Load capacity		kg	4500	5000
	5	Load centre		mm	500	500
	6	Load distance		mm	575	580
	7	Wheelbase		mm	2100	2100
Weight	8	Unladen weight		kg	6500	7010
	9	Axle loading	laden Front	kg	9766	10900
	10		laden Rear	kg	1234	1200
	11		Unladen Front	kg	2837	3160
	12		Unladen Rear	kg	3663	3850
Tyres, chassis	13	Tyres: L = pneumatic, V = cushion, SE = superelastic			L	L
	14	Tyre	Front		300-15-18PR	300-15-18PR
	15		Rear		7.00-12-12PR	7.00-12-12PR
	16	Number of wheels, front/rear (X = driven)			2X2	2X2
	17	Track width	Front	mm	1190	1190
	18		Rear	mm	1130	1130
Dimensions	19	Mast tilt angle	F/R	Deg	6/12	6/12
	20	Height of mast	lowered	mm	2250	2250
	21		extended	mm	4260	4260
	22	Free lift height		mm	150	155
	23	Lift height		mm	3000	3000
	24	Overall dimensions	overhead guard height	mm	2250 (2400)	2250 (2400)
	25		Seat height	mm	1350	1350
	26		Towing coupling height	mm	340	340
	27		Overall length	mm	4280	4345
	28		Length to face of forks	mm	3210	3275
	29		Overall width	mm	1490	1490
	30	Fork size（ISO2331）	LxWxT	mm	50/150/1070	55/150/1070
	31	Fork carriage width (DIN 15173,Class Ⅱ A/Ⅱ B)		mm	1380	1380
	32	Ground clearance	bottom of mast	mm	155	155
	33		wheelbase centre	mm	186	186
	34	Working aisle width	1000 x 1200 crossways	mm	4625	4685
	35	with pallet(Ast)*	800 x 1200 crossways	mm	4425	4485
	36	Outer turning radius		mm	2850	2905
Performance data	37	Speed	Travel (Unladen/laden)	km/h	24/25	25/27
	38		Lifting (Unladen/laden)	mm/s	0.53/0.56	0.53/0.56
	39		Lowering (Unladen/laden)	mm/s	0.48/0.50	0.48/0.50
	40	Max. Drawbar pull (Unladen/laden)		KN	30/23	30/23
	41	Max.Gradeability (Unladen/laden) @ 1.6km/h		%	22/25	20/25
	42	Service brake			hydraulic	hydraulic
Additional data	43	Operating pressure (For attachments)		MPA	19.5	19.5
	44	Fule tank	capacity		100	100
	45	Towing coupling	type DIN 15170		PIN	PIN



Load Chart

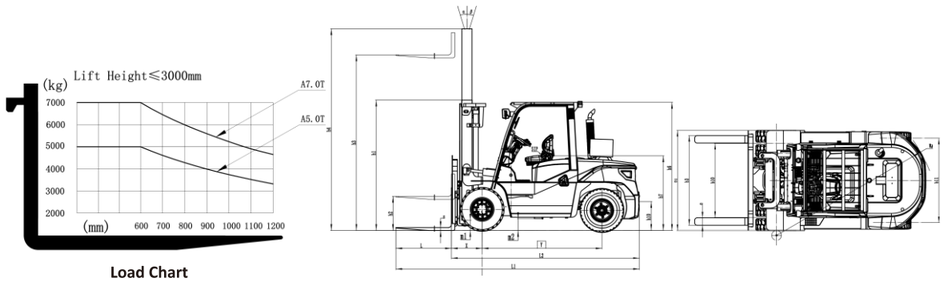


A series 4-Compact 5T Gasoline forklift

Type	Model	Max. fork height	Overall Heihgt						Free lift				Load Distance		Tilt range		weight	
			Lowered		Extended				Without LBR		With LBR				FWD	BWD	Load center （500mm）	
					Without LBR		With LBR										Single Tyre	
			4.5t	mini5t	4.5t	mini5t	4.5t	mini5t	4.5t	mini5t	4.5t	mini5t	4.5t	mini 5t			4.5t	mini5t
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Deg	Deg	kg	kg
2LFL	M300	3000	2250	2250	3855	3855	4260	4260	150	155	150	155	575	580	6	12	4500	5000
	M330	3300	2400	2400	4155	4155	4560	4560	150	155	150	155	575	580	6	12	4500	5000
	M350	3500	2500	2500	4355	4355	4760	4760	150	155	150	155	575	580	6	12	4500	5000
	M370	3700	2600	2600	4605	4605	5010	5010	150	155	150	155	575	580	6	12	4500	5000
	M400	4000	2800	2800	4855	4855	5260	5260	150	155	150	155	575	580	6	12	4250	4750
	M450	4500	3050	3050	5355	5355	5760	5760	150	155	150	155	575	580	6	6	3800	4250
	M500	5000	3300	3300	5855	5855	6260	6260	150	155	150	155	575	580	6	6	3150	3500
	M550	5500	3600	3600	6355	6355	6760	6760	150	155	150	155	575	580	3	6	2800	2850
	M600	6000	3850	3850	6855	6855	7260	7260	150	155	150	155	575	580	3	6	2500	2550
2FFL	FM300	3000	2250	2250	3855	3855	4250	4250	1425	1430	1030	1030	585	590	6	12	4500	5000
	FM330	3300	2400	2400	4155	4155	4550	4550	1575	1580	1180	1180	585	590	6	12	4500	5000
	FM350	3500	2500	2500	4355	4355	4750	4750	1675	1680	1280	1280	585	590	6	12	4500	5000
	FM375	3750	2625	2625	4605	4605	5000	5000	1800	1805	1405	1405	585	590	6	12	4500	5000
	Fm400	4000	2800	2800	4855	4855	5250	5250	1975	1980	1580	1580	585	590	6	12	4250	4750
3FFL	TFM400	4000	2110	2110	4880	4880	5265	5265	1275	1280	885	885	630	635	6	6	4000	4500
	TFM435	4350	2235	2235	5230	5230	5615	5615	1395	1400	1010	1010	630	635	6	6	3800	4250
	TFM450	4500	2285	2285	5385	5385	5770	5770	1450	1455	1060	1060	630	635	6	6	3600	4000
	TFM480	4800	2385	2385	5680	5680	6070	6070	1545	1550	1160	1160	630	635	6	6	3350	3750
	TFM500	5000	2485	2485	5880	5880	6265	6265	1645	1650	1260	1260	630	635	6	6	3050	3400
	TFM540	5400	2610	2610	6280	6280	6660	6660	1770	1775	1385	1385	630	635	3	6	2550	2850
	TFM600	6000	2850	2850	6875	6875	7260	7260	2010	2015	1625	1625	630	635	3	6	1950	2200
	TFM650	6500	3050	3050	7375	7375	7760	7760	2210	2215	1825	1825	630	635	3	6	1500	1700

A series 5-7T ICE Forklift

Type	Model	Max. fork height	Overall Heihgt						Free lift		Load Distance	Tilt range		weight	
			Lowered		Extended				Without LBR	With LBR		FWD	BWD	Load center （600mm）	
					Without LBR		With LBR							Double tyre	
			5t	7t	5t	7t	5t	7t	5t-7t	5t-7t	5t-7t	5t-7t	5t-7t	5t	7t
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Deg	Deg	kg	kg
2LFL	M300	3000	2500	2625	3955	4080	4425	4425	205	205	590	10	12	5000	7000
	M330	3300	2650	2775	4255	4380	4725	4725	205	205	590	10	12	5000	7000
	M350	3500	2750	2875	4455	4580	4925	4925	205	205	590	10	12	5000	7000
	M375	3750	2875	3000	4705	4830	5175	5175	205	205	590	10	12	5000	7000
	M400	4000	3050	3175	4975	5100	5425	5425	205	205	590	10	12	5000	7000
	M425	4250	3175	3300	5225	5350	5675	5675	205	205	590	6	6	5000	7000
	M450	4500	3300	3425	5475	5600	5925	5925	205	205	590	6	6	5000	7000
	M475	4750	3425	3550	5725	5850	6175	5925	205	205	590	6	6	5000	7000
	M500	5000	3550	3675	5975	6100	6425	6425	205	205	590	6	6	5000	7000
	M550	5500	3850	3975	6525	6650	6925	6925	205	205	590	3	6	4750	6600
	M600	6000	4100	4225	7025	7150	7425	7425	205	205	590	3	6	4400	6400
2FFL	FM300	3000	2625	2625	4110	4110	4405	4405	1555	1255	600	10	12	5000	7000
	FM330	3300	2775	2775	4410	4410	4705	4705	1705	1405	600	10	12	5000	7000
	FM350	3500	2875	2875	4610	4610	4905	4905	1805	1405	600	10	12	5000	7000
	FM375	3750	3000	3000	4860	4860	5155	5155	1930	1630	600	10	12	5000	7000
	FM400	4000	3175	3175	5110	5110	5405	5405	2105	1805	600	10	12	5000	7000
3FFL	TFM400	4000	2505	2505	5080	5080	5405	5405	1460	1135	635	6	6	4500	6400
	TFM435	4350	2630	2630	5430	5430	5755	5755	1585	1260	635	6	6	4500	6400
	TFM450	4500	2680	2680	5580	5580	5905	5905	1635	1310	635	6	6	4500	6400
	TFM480	4800	2780	2780	5880	5880	6205	6205	1735	1410	635	6	6	4500	6300
	TFM500	5000	2880	2880	6080	6080	6405	6405	1835	1510	635	6	6	4500	6300
	TFM540	5400	3005	3005	6480	6480	6805	6805	1960	1635	635	3	6	4300	6100
	TFM600	6000	3305	3305	7080	7080	7405	7405	2260	1935	635	3	6	4000	5500
	TFM650	6500	3530	3530	7580	7580	7905	7905	2485	2160	635	3	6	3500	4700



Load Chart

A series 5-7T ICE Forklift

Distinguishing mark	1	Model			FDTA50	FDTA70	FLTA50	FLTA50	FLTA70	FLTA70
	2	Type			Diesel	Diesel	LPG	LPG	LPG	LPG
	3	Opitonal Type			WJ3/W(13)3/G(22)3	WJ3/W(13)3/G(22)3	AW(J2)3	AW(K2)3	AW(J2)3	AW(K2)3
	4	Load capacity		kg	5000	7000	5000	5000	7000	7000
	5	Load centre		mm	600	600	600	600	600	600
	6	Load distance		mm	590	590	590	590	590	590
	7	Wheelbase		mm	2300	2300	2300	2300	2300	2300
Weight	8	Unladen weight		kg	8360	9650	8360	8360	9650	9650
	9	Axle loading	laden Front	kg	12090	14900	12090	12090	14900	14900
	10		laden Rear		1270	1750	1270	1270	1750	1750
	11		Unladen Front	kg	4520	4050	3840	3840	4050	4050
	12		Unladen Rear		3830	5600	4520	4520	5600	5600
Tyres, chassis	13	Tyres: L = pneumatic, V = cushion, SE = superelastic			L	L	pneumatic	pneumatic	pneumatic	pneumatic
	14	Tyre	Front		8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR
	15		Rear		8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR
	16	Number of wheels, front/rear (X = driven)			4X2	4X2	4X2	4X2	4x2	4x2
	17	Track width	Front	mm	1489	1489	1489	1489	1489	1489
	18		Rear	mm	1700	1700	1700	1700	1700	1700
Dimensions	19	Mast tilt angle	F/R	Deg	10/12	10/12	10/12	10/12	10/12	10/12
	20	Height of mast	lowered	mm	2500	2625	2500	2500	2625	2625
	21		extended	mm	4425	4425	205	205	205	205
	22	Free lift height		mm	205	205	3000	3000	3000	3000
	23	Lift height		mm	3000	3000	4425	4425	4425	4425
	24	Overall dimensions	overhead guard height	mm	2450	2450	2450	2450	2450	2450
	25		Seat height	mm	1400	1400	1400	1400	1400	1400
	26		Towing coupling height	mm	345	345	345	345	345	345
	27		Overall length	mm	4715	4830	4715	4715	4830	4830
	28		Length to face of forks	mm	3495	3610	3495	3495	3610	3610
	29		Overall width	mm	2020	2020	2020	2020	2020	2020
	30	Fork size (ISO2331)	LxWxT	mm	65/150/1220	65/150/1220	65/150/1220	65/150/1220	65/150/1220	65/150/1220
	31	Fork carriage width (DIN 15173.Class,A/B)			ISO 4A	ISO 4A	ISO 4A	ISO 4A	ISO 4A	ISO 4A
	32	Fork carriage width		mm	1845	1845	1845	1845	1845	1845
	33	Ground clearance	bottom of mast	mm	200	200	200	200	200	200
	34		wheelbase centre	mm	230	230	230	230	230	230
	35	Working aisle width with pallet(Ast)*	1000 x 1200 crossways	mm	5030	5150	5260	5260	5370	5370
	36		800 x 1200 crossways	mm	4830	4950	5260	5260	5370	5370
	37	Outer turning radius		mm	3250	3360	3250	3250	3360	3360
Performance data	38	Speed	Travel (Unladen/laden)	km/h	29/30	29/30	Shift 2: 30/31 Shift 1: 9/9	Shift 2: 30/31 Shift 1: 9/9	Shift 2: 30/31 Shift 1: 9/9	Shift 2: 30/31 Shift 1: 9/9
	39		Lifting (Unladen/laden)	mm/s	0.43/0.46	0.43/0.46	440/460	440/460	440/460	440/460
	40		Lowering (Unladen/laden)	mm/s	0.50/0.40	0.50/0.40	500/400	500/400	500/400	500/400
	41	Max. Drawbar pull (Unladen/laden)		KN	65/37	65/37	66000/41000	66000/41000	66000/41000	66000/41000
	42	Max.Gradeability (Unladen/laden) @ 1.6km/h		%	33/20	30/20	28/20	28/20	21/20	21/20
	43	Service brake			hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic
Additional data	44	Operating pressure (For attachments)		MPA	19.5	19.5	195	195	195	195
	45	Fule tank	capacity		140	140	140	140	140	140
	46	Towing coupling	type DIN 15170		PIN	PIN	PIN	PIN	PIN	PIN

MITSUBISHI

Type:WI3
Model：S6S-T
Rated output:63.9kw/2300rpm
Rated torque:293N.m/1700rpm
No. of cylinder:6
Bore×Stroke:94×120mm
Displacement:4.996L
Range:A series 5-7 ton

KUBOTA

Type:W(13)3
Model：V3800 (EuV+Tier 4)
Rated output:54.6 kw/ 2200 rpm
Rated torque:305.4 N·m/1500 rpm
No. of cylinder:4
Bore×Stroke:100×120mm
Displacement:3.769L
Range:A series 5-7T

QUANCHAI

Type:G(22)3
Model：6J1-115C31
Rated output:85kw/ 2200 rpm
Rated torque:500N.m/1320-1650rpm
No. of cylinder:6
Bore×Stroke:105×124mm
Displacement:6.44L
Range:A series 5-7 ton

Diesel

Kubota LPG

Type: AW(J2)3 (Euro V & EPA4)
Rated Output: 63.2kW/2400rpm
Rated torque: 282.4 N.m/ 1500rpm
No. of Cylinder: 4
Bore x Stroke: 100 x 120mm
Displacement: 3.769 L
Rage A series: A series 5-7t

Kubota LPG

Type: AW(K2)3(non-certified)
Rated Output: 63.2kW/2400rpm
Rated torque: 282.4 N.m/ 1500rpm
No. of Cylinder: 4
Bore x Stroke: 100 x 120mm
Displacement: 3.769 L
Rage A series: A series 5-7t