



2.5T - 5T

All terrain Forklift 4x2
Rough Terrain forklift 4x4

performance



high ground clearance



short turning radius



excellent gradeability

Flexibility



wide tracks



oscillating rear axle



mast lift up to 7meters

General Data

general data:

capacity- 3000kgs - 5000kgs at 600mm load center
engine- optional engines available, tier 4 / stage 3b
transmission- powershift (power shuttle for 5ton 4wd)
steering- 2wheel rear axle, big steering angle
axles- heavy duty front & rear with planetary reduction
inboard oil bath disc brakes,
rear axle is h.d. oscillating with integrated steering
front axle with operator applied differential lock
brakes - fully hydraulic power brakes ,wet disk
mast- constructed from H.D. "I" beam section,
working on roller mast guide bearings,
wide view mast



standard equipment:
standard carriage with 1200mm forks
air intake pre-cleaner
high exhaust
limited slip differential
heavy duty clearview roller mast with dual chains
oil cooled submerged disc service brakes
internal spring-applied hydraulic release park brake
power steering
headlights, tail lights, reverse lights, turn signals
side view mirrors
reinforced overhead guard
grab-handles
anti-slip steps
electric horn and automatic backup alarm
tilt steering column
adjustable luxury seat with retractable safety belt
engine oil pressure gauge
fuel gauge
tachometer
hour meter
operator, maintenance parts manual included
transmission oil cooler

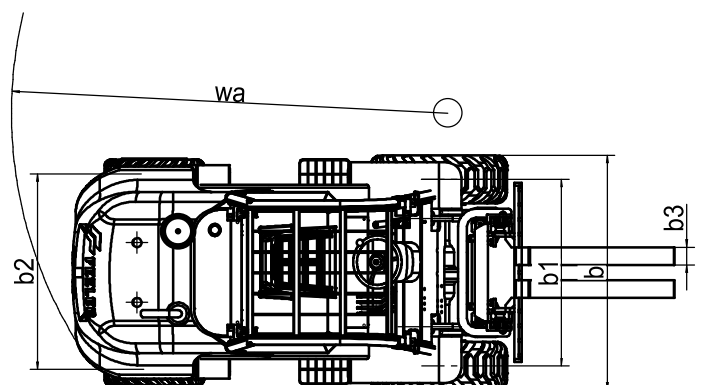
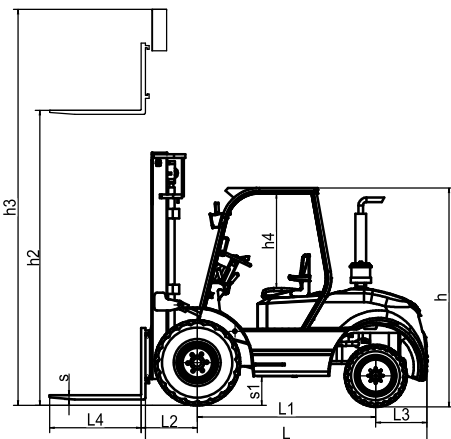
optional equipment:

all-weather closed cabin complete with front windshield wiper
half(semi) cabin
heating
cooling air conditioning
various carriage and mast or fork options
vandalism protection kit including window covers
high intake air pre-cleaner
exhaust spark arrestor
strobe light
auxiliary hydraulics -
 additional hosing and piping for hydraulic powered attachments.
 maximum pressure psi(kpa)
 maximum flow gpm(l/min)
high-mount air intake with pre-cleaner.
foam filled tires
various engine options
Front screen guard
Reinforce over top guard
R.O.P.S
Seat safety switch sensor



specification

feature	1	manufacture		FEELER	FEELER	FEELER	FEELER	FEELER	FEELER	FEELER	
	2	model		FD25S-2	FD30S-2	FD35S-2	FD30F-4	FD35F-4	FD40F-4	FD50F-4	
	3	capacity	kg	2500	3000	3500	3000	3500	4000	5000	
	4	load centre	mm	500	500	500	600	600	600	600	
	5	engine fuel	type	diesel	diesel	diesel	diesel	diesel	diesel	diesel	
	6	driver	position	seated	seated	seated	seated	seated	seated	seated	
	7	front / rear wheel type	P/ S	P/P	P/P	P/P	P/P	P/P	P/P	P/P	
	8	total wheel / driving wheel	n/n	4X2	4X2	4x2	4X4	4X4	4x4	4x4	
mast	9	standard total lift	standard mast - max.	mm	3000-7000	3000-7000	3000-7000	3000-7000	3000-7000	3700	3700
	10	free lift		mm	160	160	160	160	160	387	387
	11	fork size	L x W x T	mm	1220X125X45	1220X125X45	1220X125X45	1220X125X45	1220X125X45	1220x150x50	1220x150x50
	12	fork regulating range	Min. /Max.	mm	250-1160	250-1160	250-1160	250-1160	250-1160	300/1954	300/1954
	13	mast tilt angle	F/R	Deg	10° /12°	10° /12°	10° /12°	10° /15°	10° /15°	15° /12°	15° /12°
	14	lifting speed	without load/ with load	m/s	0.476/0.465	0.476/0.465	0.476/0.465	0.476/0.465	0.476/0.465	0.57/ 0.5	0.57/ 0.5
	15	lowering speed	without load/ with load	m/s	0.396/0.476	0.396/0.476	0.396/0.476	0.396/0.476	0.396/0.476	0.37/0.40	0.37/0.40
dimension	16	total length	Overall length (with fork)	mm	4240	4240	4240	4515	4515	4924	4924
	17	length to fork's carriage	Length to face of fork (without fork)	mm	3020	3020	3020	3295	3295	3704	3704
	18	wheel base	wheel base	mm	1900	1900	1900	1900	1900	2175	2175
	19	Front overhang	from load to front axle	mm	554	554	554	680	680	780	780
	20	Rear overhang		mm	560	560	560	640	640	750	750
	21	overhead guard high	Overhead guard height	mm	2290	2290	2290	2420	2420	2485	2485
	22	Mast lowered height	Mast lowered height	mm	2310	2310	2310	2450	2450	2947	2947
	23	Mast extended height	(with backrest)	mm	4410	4410	4410	4400	4400	5184	5184
	24	height from seat	seat to overhead	mm	1000	1000	1000	1000	1000	1037	1037
	25	ground clearance	Middle of frame (Unladen/Laden)	mm	305	305	305	305	305	377	377
	26		Bottom of mast (Unladen/Laden)	mm	245	245	245	280	280	350	350
	27	axle tread	tread width front / rear	mm	1250/1270	1250/1270	1250/1270	1480/1575	1480/1575	1620/1780	1620/1780
	28	total width	overall Frame width	mm	1590	1590	1590	1870	1870	2065	2065
	29	Min. turning radius		mm	2958	2958	2958	4795	4795	3850	3850
30	asile stacking width	pallet 1200x800mm	mm	4735	4735	4735	5340	5340	6350	6350	
31	min. right angle steering asile width		mm	2240	2240	2240	2615	2615	3600	3600	
weight	32	Self weight	total unload weight	kg	4960	5160	5360	5450	5650	7950	8450
	33	load axle	front/ rear	kg	6300/1160	6890/1270	7482/1378	7351/1099	7960/1190	12150/1300	12150/1300
	34	unload axle	front / rear	kg	2190/2770	2278/2882	2365/2995	2406/3044	2494/3156	3802/4648	3802/4648
	35	hydraulic oil tank		L	70	70	70	70	70	120	120
	36	fuel tank		L	70	70	70	70	70	120	120
tyre	37	Tyre size	Front		14-17.5-14PR	14-17.5-14PR	14-17.5-14PR	385/65-22.5-16PR	385/65-22.5-16PR	445/65-22.5PR/1175	445/65-22.5PR/1175
	38		Rear		26X12-16.5	26X12-16.5	26X12-16.5	10-16.5-12PR	10-16.5-12PR	12.5/80-18/958	12.5/80-18/958
	39	service brake		hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	
40	parking brake		mechanic	mechanic	mechanic	mechanic	mechanic	mechanic	mechanic		
performance	41	travel speed		Km/h	22	22	22	25	25	35	35
	42	Max. Drawbar pull	(Laden/unladen)	N	9300/18000	9300/18000	9300/18000	9300/18000	9300/18000	27500/43200	27500/43200
	43	Max. Gradeability	(Loaden/unladen)	%	20	20	20	35	35	23/25	23/25
	44	Operating pressure	For attachments	Mpa	18	18	18	18	18	18	19
engine	45	model		4JG2PE	4JG2PE	4JG2PE	V3300	V3300	WP4.1G102E301	WP4.1G102E301	
	46	manufacture		ISUZU	ISUZU	ISUZU	KUBOTA	KUBOTA	WEICHAI	WEICHAI	
	47	cylinder/ displacement		no/cm3	4/3.059	4/3.059	4/3.059	4/3.318	4/3.318	4/4.1	4/4.1
	48	Rated output/r. p. m.		Kw/rpm	44.8/2450	44.8/2450	44.8/2450	54.5/2600	54.5/2600	74.9/2400	74.9/2400
transmission	49	Rated torque/r. p. m.		N. m	186/1700	186/1700	186/1700	221/1600	221/1600	380/1400-1800	380/1400-1800
	50	transmission		type	powershift	powershift	powershift	Powershift	Powershift	manual shift	manual shift
	51	forward / reverse shift		type	electric	electric	electric	electric	electric	electric	
	52	NO. speed forward / reverse				2/1	2/1	2/1	4/4	4/4	4/4
53	battery		v/ah		12/80	12/80	12/80	12/80	12/80	24/80	24/80



Mast/Carriage/Fork

Mast selection and capacity

FD25-FD35	mast (m)	free lift(mm)	lowered high	extended high	height with max.capacity		capacity at max. height 600mm load center	
					with sideshift	without	with sideshift	without
2-STAGE FULL	3.3	130	2455	4345	3.3	3.3	3000	3000
	3.7	130	2715	4745	3.7	3.7	3000	3000
	4	130	2905	5045	4	4	3000	3000
	4.5	130	3155	5545	4	4	2800	2900
3-STAGE	5.5		3055	6725	4	4	1500	2000
3-stage free	5	1793	2715	5962	4	4	2400	2600
	6.5	2483	3405	7462	4	4	1200	1350

FD50	mast (m)	free lift(mm)	lowered high	extended high	height with max.capacity		capacity at max. height 600mm load center	
					with sideshift	without	with sideshift	without
2-STAGE FULL	3.3		2710	4415	3.3	3.3	3000	3000
	3.7		2910	4815	3.7	3.7	3000	3000
	4		3060	5115	4	4	3000	3000
	4.5		3305	5615	4	4	2800	2900
3-STAGE FREE	4.7	1600	2645	5805	4	4	3350	3700
	5.5	1865	2910	6601	4	4	2150	2400
	6	2040	3085	7105	4	4	1800	2000

Carriage options

a variety of carriage sizes and types are available for variable application
different width available
1470mm/ 1670mm / 1750mm / 2000mm

Fork selection

Engine option

Diesel 4WD 3 TON						
BRAND	WEICHAI	KUBOTA	KUBOTA	KUBOTA	PERKINS	KOHLER
MODEL	R4105G32	V3300	V3600- E3B- CFL-1	V3600-T-E3B	854F-E34T	KDI2504TCR
Kw	59	54.5	46.9	57.1	55.4	55
Rpm	2300	2600	2400	2200	2200	2600
-cc	4/4156	4/3318	4/3620	4/3620	4/3400	4/2482
N.m/r/min	280/1600-1800		209.8/1600		318/1400	300/1500
emission	tier2	tier 1	E3B	E3B	E3B,tier4	tier 4 final

Diesel 4WD 5 TON									
BRAND	WEICHAI	YTO	KUBOTA	KUBOTA	CUMMINS	DEUTZ	PERKINS	PERKINS	KOHLER
MODEL	WP4.1G102E301	LR4A3Z-22	V3800DI-T	V3800DI-T	4BT3.9-C100	TCD3.6L4	1104D-44T	854F-E34TA	KDI3404TCR-SCR
Kw	74.9	70	68.6	74	75	75	74.5	70	75KW
Rpm	2400	2200	2400	2600	2400	2300	2200	2200	2200
-cc	4/4100	4/4330	4/3769	4/3769	4/3900	4/3.62	4/4400	4/3400	4/3.359
N.m/r/min	380/1400-1800	238/1400-1600	320/1800	320/1800	330/1500	390/1600	302	395/1400	475/1400
emission	E3A	tier2	E3B	E3B	tier1	stage4,tier4	tier3, stage IIIA	stage4,tier4	tier4final stage4

Diesel 2WD 2.5 -3.5TON							GAS/LPG
BRAND	XINCHANG	XINCHANG	JSUZU	KUBOTA	mitsubishi	koher	NISSAN
MODEL	A498BPG-508	A495BPG-507	4JG2PE	V3600- E3B- CFL-1	S4S-408	KDI1903TCR	K25
Kw	45	42	44.8	46.9	41.8	56	42.7
Rpm	2500	2650	2450	2400	2300	2600	2400
-cc	4/3168	4/2980	4/3059	4/3620	4/3331	3/1.861	4/2488
N.m/r/min	≥ 193/1600-1800	≥ 174/1800-2000	186/1700	209.8/1600	182/1800	225/1500	179/1600
emission	tier2	tier2	stage II	E3B	E3A	tier4 final	tier2

Application



agriculture



construction



Mining & quarry



Forestry



Oil & gas



military



Municipal recycling



industrial

Standard attachment

standard attachments
quick change and reversible buckets fabricated of steel plate,
with high strength, low alloy cutting edges and wear strips, as standard attachment
available for wide range of applications.



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