



FD30/35(R Series)

DIESEL FORKLIFT

ZOOMLION



Zoomlion Anhui Industrial Vehicle Co., Ltd. is one of the important sectors of Zoomlion Group, established in 2010, covering an area of nearly 300 acres with the total investment of 600 million yuan. After second phase project it will have an annual output of 30,000 units of production capacity for industrial vehicles. The modern factory and process layout, advanced production equipment beckon Zoomlion "sincere and modest, profound and long-standing" brand connotation.

Relying on Zoomlion advanced technology and process equipment in professional manufacturing field, our product creativity is improved effectively and the product resource combination is formed, which can meet demands of the mainstream markets at home and abroad. It has now formed the internal combustion type, battery type, storage type, 209 kinds of forklift products resources. Currently, Zoomlion forklift products have been widely used in papermaking, automobile, tobacco, logistics, stone material and other industries.

Sticking to the idea of "providing high quality service by adopting exquisite technique", our company attaches much importance to customers various demands in different stages, such as purchase, usage, maintenance, update, etc. In addition, we bring our customers pleasure, touched and added economic interests by providing intimate service.

Through Call Center, Internet, Remote Assistance, On-the-spot Operation and other modern innovative service modes, our company formed and consolidated the dominant position of Zoomlion forklift in the field of after-sales service.

■ TECHNICAL FEATURES

High Quality

- The fuel and hydraulic oil filter system is added to prolong the engine life and change period of hydraulic oil.
- The new SMC material is broadly used on the vehicle body to improve the vehicle performance. Its compressive strength is four times that of the steel, endurance limit can reach 70%~80% at most and its sound insulation effect is 2~3 times that of the steel.
- The plate-fin water tank of Italian famous brand Orland is employed so as to optimize the cooling performance of the complete vehicle.
- The computer-based finite element analysis is conducted for vehicle design to guarantee the optimized anti-torque capability of the vehicle body.

High Energy Efficiency

- The electrical system uses the CAN bus technology and functional modules can be upgraded and added freely if necessary.
- Main lines of the mast are laterally arranged and connected using steel and rubber pipes so as to enhance the sealing reliability of hydraulic system significantly (for high configuration version).
- Flexible driving system design is adopted for the complete vehicle so as to transmit the power and torque with high efficiency and to improve operation safety and reliability.
- Waterproof connectors are used for all electrical wire harnesses to enhance operation safety and reliability.
- An imported engine and the most advanced associated systems in the industry are equipped. New multi-channel valves are used to offer priority to the steering function module and to achieve the mast power-off and locking, increasing the work efficiency by 8%.
- The instrument can display the load weight and speed and the cargo measurement is more convenient, making driving safer and providing high energy efficiency.

High experience

- Connections between steering axle and frame and between overhead guard and frame are shock-absorption treated, lowering the vehicle vibration by 30%.
- The ergonomic effect is optimized by configuring the pedal integrating brake and inching functions and the hydraulic control stick on the right of the seat to decrease the fatigue strength and to improve the comfort for drivers.
- The mast is designed with wide field of sight and the three-valve pipeline is installed thus the control field of sight can be added by 22%.



DIESEL FORKLIFT

FD30/35(R)

FEATURES		FD30R	FD35R
Power	—	Diesel	Diesel
Rated Capacity	kg	3000	3500
Center of load	J(mm)	500	500
Lifting height	h1 (mm)	3000	3000
Free lifting height	h3(mm)	163	160
Forks L×W×H	L5xWxT(mm)	1070x125x45	1070x125x50
Tilt Forward/Backward	°	6/12	6/12
Min.turning radius	R1 (mm)	2545	2660
Min.ground clearance(Mast)	Ra(mm)	4495	4625
ground clearance(Mast)	m(mm)	120	120
Overhead guard height	h4(mm)	2200	2200
Front overhang	L3(mm)	480	495
Rear overhang	L4(mm)	600	650
PERFORMANCE			
Max.traveling speed(loaded)	km/h	20	20
Max.lifting speed (loaded/empty)	mm/s	470/520	470/520
Drawbar pull/Gradeability	kN/%	18/20	18/20
Size			
Overall length (without fork)	L1 (mm)	3850	3915
Overall width	W1 (mm)	1230	1230
Mast lowered height	h2(mm)	2065	2095
Mast extended height	mm	4260	4260
CHASSIS			
Tire Front	—	28x9-15-12PR	28x9-15-12PR
Tire Rear	—	6.50-10-10PR	6.50-10-10PR
Wheelbase	L2(mm)	1700	1700
Tread width(Front/Rear)	S/P(mm)	1000/970	1000/970
Curb weight(No-load)	kg	4350	4700
ENGINE			
Battery(Voltage/Capacity)	V/Ah	12/90	12/90
Engine(Model)	—	ISUZU C240	ISUZU 4JG2
Engine(Rated power)	kw/r.p.m	34.3/2500	44.9/2450
Engine(Rated torque)	N.m/r.p.m	137.7/1800	184.7/1700
Engine(Cylinder amount)	—	4	4
Engine(Bore×Stroke)	mm	86x102	95.4x107
Engine(Displacement)	L	2.369	3.059
Fuel tank	L	66	66
Transmission	—	1/1 Powershift	1/1 Powershift
Working pressure	MPa	17	17

The company reserve the right for specification change; Should any revision on specification, a further notice shall prevail.

STANDARD CONFIGURATION				OPTIONS		ATTACHMENT	
Wideview mast Standard fork Overhead guard Backrest Timer Rearview mirror Electric Horn Neutral indicator Luxury seat Fuel Gauge Toolbox Rubber pad	Handle Traction pin Reversing buzzer Speed limit valve Oil pressure indicator Durable pneumatic tire Alarmer for Grid guard Lampshade Air intake system Oil scale in torque Tilt cylinder cover	Adjustable steering wheel Lifting & tilting handle Hydraulic powered steering Engine flameout device Hydraulic oil return filter Water temperature gauge Tilt oil passage self-locking valve Parking brake Filter for transmission oil Rir spring rod for hood 2 piece multi valve Rear lamp	Headlamp Hydraulic oil intake filter Hydraulic oil level gauge Turning signal (optional) Loading weight sensor Speed sensor Integrative steering axle	<input type="checkbox"/> Mini fan <input type="checkbox"/> High exhaust <input type="checkbox"/> Alarming light <input type="checkbox"/> Double filter <input type="checkbox"/> Solid tyre <input type="checkbox"/> Windshield <input type="checkbox"/> Optional painting <input type="checkbox"/> Fire extinguishing muffler	<input type="checkbox"/> Purification muffler <input type="checkbox"/> Double front tire and protector <input type="checkbox"/> Oil-bath double filter (on overheadguard) <input type="checkbox"/> Two/three stage full-free mast	<input type="checkbox"/> Side shifter <input type="checkbox"/> Fork positioner <input type="checkbox"/> Hinged fork <input type="checkbox"/> Carpet boom <input type="checkbox"/> Extended fork <input type="checkbox"/> Hook <input type="checkbox"/> Fork cover <input type="checkbox"/> Lifting boom <input type="checkbox"/> Bale clamp <input type="checkbox"/> Rotator	<input type="checkbox"/> Paper roll clamp <input type="checkbox"/> Tipping cover <input type="checkbox"/> Barrel clamp <input type="checkbox"/> Load stabilizer <input type="checkbox"/> Wide view duplex full free mast <input type="checkbox"/> Wide view triplex full free mast

Duplex STANDARD MAST							
	Capacity		Mast height				Mast Tilt
Lifting	3T	3.5T	3T	3T	3.5T	3.5T	angle F/R
Height	Single tire		Forks landing	Height with Backrest	Forks landing	Height with Backrest	
mm	kg	kg	mm	mm	mm	mm	°
2000	3000	3500	1565	3260	1595	3265	6/12
2500	3000	3500	1815	3760	1845	3765	6/12
3000	3000	3500	2065	4260	2095	4265	6/12
3300	3000	3500	2215	4560	2245	4565	6/12
3500	3000	3500	2315	4760	2345	4765	6/12
3700	3000	3500	2415	4960	2445	4965	6/12
4000	3000	3500	2615	5260	2645	5305	6/12
4500	2600/*3000	2850/*3500	2865	5760	2895	5765	6/6*6/12
5000	2100/*2850	2400/*3150	3115	6260	3145	6265	6/6*6/6
5500	*2400	*2700	3415	6760	3445	6765	*3/6
6000	*2000	*2300	3665	7260	3695	7265	*3/6

Remark:* means double tires

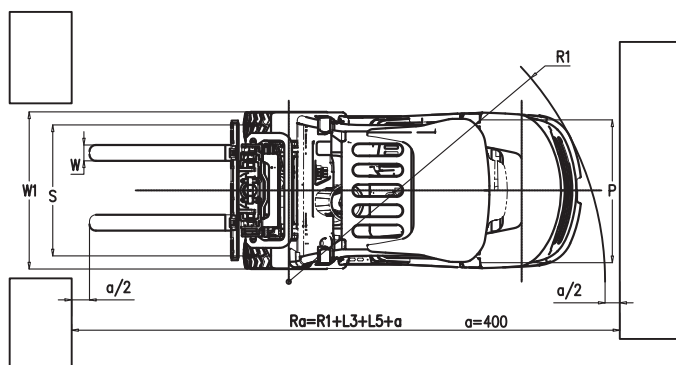
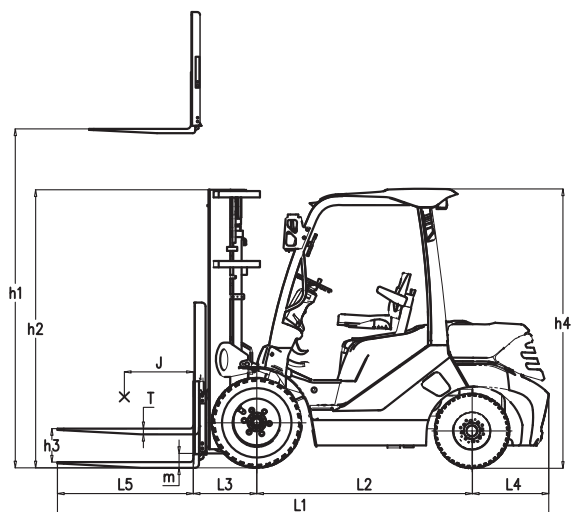
Duplex full free mast									
	Capacity		Mast height				Free lifting height		Mast Tilt
Lifting Height	3T	3.5T	3T	3T	3.5T	3.5T	3T	3.5T	angle F/R
	Single tire		Forks landing	Height with Backrest	Forks landing	Height with Backrest	With Backrest		
mm	kg	kg	mm	mm	mm	mm	mm	mm	°
2000	3000	3500	1565	3275	1595	3273	337	367	6/12
2500	3000	3500	1815	3775	1845	3773	587	617	6/12
3000	3000	3500	2065	4275	2095	4273	837	867	6/12
3300	3000	3500	2215	4575	2245	4573	987	1017	6/12
3500	3000	3500	2315	4775	2345	4773	1087	1117	6/12
3700	3000	3500	2415	4975	2445	4973	1187	1217	6/12
4000	3000	3500	2615	5275	2645	5273	1387	1417	6/12

注: Not to take the largest rise in the shelf:3T-3.5T - 580mm
Free lifting height of the shelf:3T-3.5T + 580mm(* means double tires)

Triplex mast									
Capacity			Mast height				Free lifting height		MastTilt
Lifting	3T	3.5T	3T	3T	3.5T	3.5T	3T	3.5T	angle F/R
Height	Single tire		Forks landing	Height with Backrest	Forks landing	Height with Backrest	With Backrest		
mm	kg	kg	mm	mm	mm	mm	mm	mm	°
3600	3000	3350	1865	4865	1865	4865	637	637	6/6
4000	3000	3350	2000	5270	2000	5270	772	772	6/6
4350	2870*3000	3270*3300	2105	5615	2105	5615	887	887	6/6
4500	2570*3000	3050*3300	2165	5765	2165	5765	937	937	6/6
4800	2250*2800	2700*3000	2265	6065	2265	6065	1037	1037	6/6
5000	2000*2650	2450*2850	2330	6260	2330	6260	1102	1102	6/6
5500	*2300	*2600	2495	6755	2495	6755	1267	1267	*3/6
6000	*2100	*2350	2715	7265	2715	7265	1487	1487	*3/6

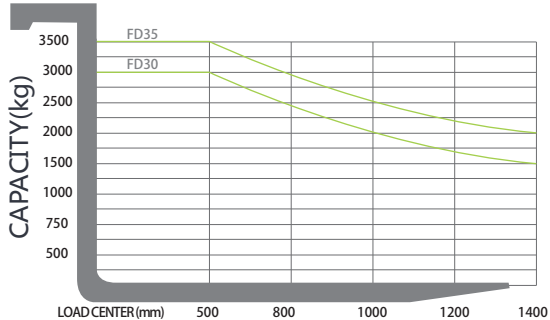
Remark: Not to take the largest rise in the shelf:3T-3.5T - 588mm;
Free lifting height of the shelf:3T-3.5T + 588mm(* means double tires)

Machine 2D graph



CAPACITY CHART

The load table: 3t-3.5t



Specification of Optional Engine

Model	Rated Power/Speed	Rated torque	Displacement	Remarks
-	(kW/r.p.m)	(N · m/r.p.m)	(L)	-
YANMA 4TNE98	42.1/2300	196.3/1700	3.319	High configuration
XINCHANG 490BPG	37/2650	148/2000	2.54	3-3.5T
ISUZU C240	34.3/2500	137.7/1800	2.369	3-3.5T
DACHAI CA498-97	45/2500	190/1800	2.98	3-3.5T