



FD70S/80S/80J

DIESEL FORKLIFT

ZOOMLION



TECHNICAL FEATURES

70S/80S

Safe & Reliable

- Dual air filter system with intake buffer tank is adopted, which can keep the dust out thoroughly and offer a good intake environment for the engine, meanwhile get rid of the howl voice in the admission passage when the engine is running with high speed;
- Brake system is hydraulic power brake, which is reliable, portable and safe;
- Reinforced front and rear axle specially for stone forklift are adopted, which make sure the forklift can be operated in bad working conditions. And a special rubber bumper is added on the joint of steering axle and frame, reducing vibration.

Stable & Practical

- The forklifts work stably with high efficiency and good grade ability. They are suitable for stone enterprises and can be operated in bad working conditions;
- Engine is with large torque and capacity, which is powerful and can meet different operation demands;
- Scientific ergonomic design makes operation more portable and comfortable. Seat and backrest are adjustable. Steering wheel tilt angle is also adjustable;
- Reinforced mast with wide view design improves efficiency and safety, meanwhile enhances anti-force capacity. To meet stone market, we design the reinforced tandem fork, which is more convenient for adjusting and can meet the special working conditions;

80J

Safe & Reliable

- Engine is with large torque and capacity, which is powerful and can meet different operation demands;
- The design of intake buffer tank can offer a good intake environment for the engine, and get rid of the howl voice in the admission passage when the engine is running with high speed;
- Reinforced mast with wide view design improves efficiency and safety, meanwhile enhances anti-force capacity.

Efficient & Flexible

- The overall length is less than 2.2m, so the forklift can be operated in container freely;
- Engine is with large torque and capacity, which is powerful and can meet different operation demands;
- Hydraulic fork positioner makes operation more portable and comfortable;

M WIDE VIEW STANDARD MAST

Lifting Height			Capacity			Forks landing			Height with Backrest			Free lifting height			Mast Tilt angle F/R		
70S	80S	80S(Three)	70S	80S	80S(Three)	70S	80S	80S(Three)	70S	80S	80S(Three)	70S	80S	80S(Three)	70S	80S	80S(Three)
mm	mm	mm	kg	kg	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	°	°	°
3000	3000	3600	7000	8000	7000	2565	2650	2450	4248	4285	4915	200	200	1175	10/10	10/10	10/10
3300	3300	4000	7000	8000	7000	2715	2800	2585	4548	4585	5315	200	200	1310	10/10	10/10	10/10
3500	3500	4350	7000	8000	7000	2815	2900	2700	4748	4785	5515	200	200	1425	10/10	10/10	10/10
3700	3700	4500	6850	7850	7000	2915	3000	2750	4948	4985	5815	200	200	1475	10/10	10/10	6/6
4000	4000	4800	6800	7800	7000	3115	3200	2850	5248	5285	6115	200	200	1575	10/10	10/10	6/6
4500	4250	5000	6500	7500	7000	3365	3325	2915	5748	5535	6315	200	200	1640	6/6	6/6	6/6
-	4500	5500	-	7440	6500	-	3450	3155	-	5785	6815	-	200	1880	-	6/6	3/6
-	4750	6000	-	7250	6000	-	3575	3325	-	6035	7315	-	200	2050	-	6/6	3/6
-	5000		-	7100		-	3700	-	-	6285	-	-	200	-	-	6/6	-
-	5500		-	6800		-	4000	-	-	6785	-	-	200	-	-	3/6	-
-	6000		-	6300		-	4250	-	-	7285	-	-	200	-	-	3/6	-

Z 2-STAGE FULL FREE MAST/S 3-STAGE FULL FREE MAST(Container Type Forklift)

Lifting Height	Capacity	Forks landing	Height with Backrest	Free lifting height	Mast Tilt angle F/R
mm	kg	mm	mm	mm	°
2100	8000	2160	3308	950	10/10
*3150	*8000	*2215	*4550	*870	*10/10

Remark:*3-STAGE FULL FREE MAST: Container Type Forklift Load Center Distance :500mm

DIESEL FORKLIFT

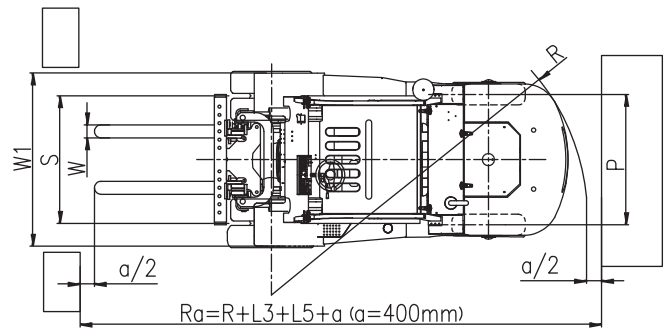
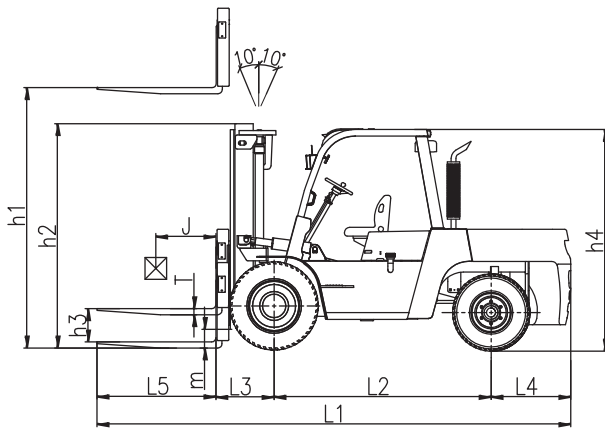
FD70S/80S/80J

FEATURES		FD70S	FD80S	FD80J	
Power	–	Diesel	Diesel	Diesel	
Rated Capacity	kg	7000	8000	8000	
Center of load	J(mm)	600	600	500	
Lifting height	h1 (mm)	3000	3000	2100	
Free lifting height	h3(mm)	200	200	950	
Forks L×W×H	L5×W×T(mm)	1370×150×70	1370×170×70	1220×150×70	
Tilt Forward/Backward	°	10/10	10/10	10/10	
Min.turning radius	R(mm)	3670	4022	3500	
Min.ground clearance(Mast)	Ra(mm)	6119	6497	5940	
ground clearance(Mast)	m(mm)	265	250	265	
Overhead guard height	h4(mm)	2510	2530	2180	
Front overhang	L3(mm)	679	705	727	
Rear overhang	L4(mm)	900	918	900	
PERFORMANCE					
Max.traveling speed(loaded)	km/h	22	22	22	
Max.lifting speed(loaded/empty)	mm/s	380/400	380/400	380/400	
Drawbar pull	kN	58	58	58	
Gradeability	%	20	20	20	
SIZE					
Overall length (without fork)	L1 (mm)	5199	5493	5097	
Overall width	W1 (mm)	2000	2023	2000	
Mast lowered height	h2(mm)	4248	4285	3308	
Mast extended height	mm	2565	2650	2160	
CHASSIS					
Tire Front	–	8.25-20-14PR	9.00-20-14PR	8.25-20-14PR	
Tire Rear	–	8.25-15-14PR	9.00-16-14PR	8.25-15-14PR	
Wheelbase	L2(mm)	2250	2500	2250	
Tread width(Front/Rear)	S/P(mm)	1476/1518	1476/1518	1470/1518	
Curb weight(Non-load)	kg	10200	10720	10200	
ENGINE					
Battery(Voltage/Capacity)	V/Ah	(12/90)×2	(12/90)×2	(12/90)×2	
Engine(Model)	–	ISUZU 6BG1	ISUZU 6GB1	ISUZU 6BG1	
Engine(Rated power)	kw/r.p.m	82.4/2000	82.4/2000	82.4/2000	
Engine(Rated torque)	N.m/r.p.m	416.8/1500	416.8/1500	416.8/1500	
Engine(Cylinder amount)	mm	105×125	105×125	105×125	
Engine(Bore×Stroke)	–	6	6	6	
Engine(Displacement)	L	6.494	6.494	6.494	
Fuel tank	L	140	140	140	
Transmission	–	1/1 Power Shift	1/1 Power Shift	1/1 Power Shift	
Working pressure	MPa	20	20	20	
STANDARD CONFIGURATION		OPTIONS		ATTACHMENT	
Wideview mast Standard fork Standard seat Reversing light Handle Timer Neutral indicator Parking brake Electric Horn Headlamp	Durable pneumatic tire Lifting & tilting handle Double filter Traction pin Toolbox Rubber pad Rearview mirror Engine flameout device Overhead guard Turning signal	Tilt oil passage self-locking valve Hydraulic powered steering Water temperature gauge Upper air intake device Adjustable steering wheel Hydraulic oil return filter Oil scale in torque Hydraulic oil level gauge Charge indicator High exhaust(80S)	Double filter(70S-80S) Rear assembled lamp Oil pressure indicator	<input type="checkbox"/> Solid tyre <input type="checkbox"/> Fire extinguisher <input type="checkbox"/> Luxury seat <input type="checkbox"/> Cab(70S) <input type="checkbox"/> Optional painting <input type="checkbox"/> Purification muffler <input type="checkbox"/> Fire extinguishing muffler <input type="checkbox"/> Rotary work alarming light <input type="checkbox"/> Oil-bath double filter(70S) <input type="checkbox"/> Windshield(70S-80S)	<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"/> Fork cover <input type="checkbox"/> Lifting boom <input type="checkbox"/> Paper roll clamp <input type="checkbox"/> Bale clamp <input type="checkbox"/> Rotator <input type="checkbox"/> Barrel clamp <input type="checkbox"/> Tipping bucket

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

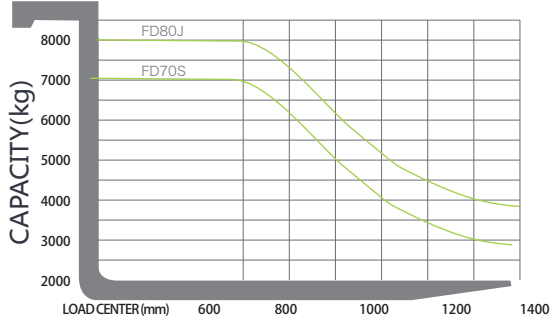
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Machine 2D graph



CAPACITY CHART

The load table: 7t-8



Specification of Optional Engine

Model	Rated Power/Speed (kW/r.p.m)	Rated torque (N · m/r.p.m)	Displacement (L)
-			
XICHAI CA6110	83/2000	450/1450	7.127
ISUZU 6BG1QC-02	82.4/2000	416.8/1500	6.494
PERKINS1104D-44TA	83/2200	418/1400	4.4