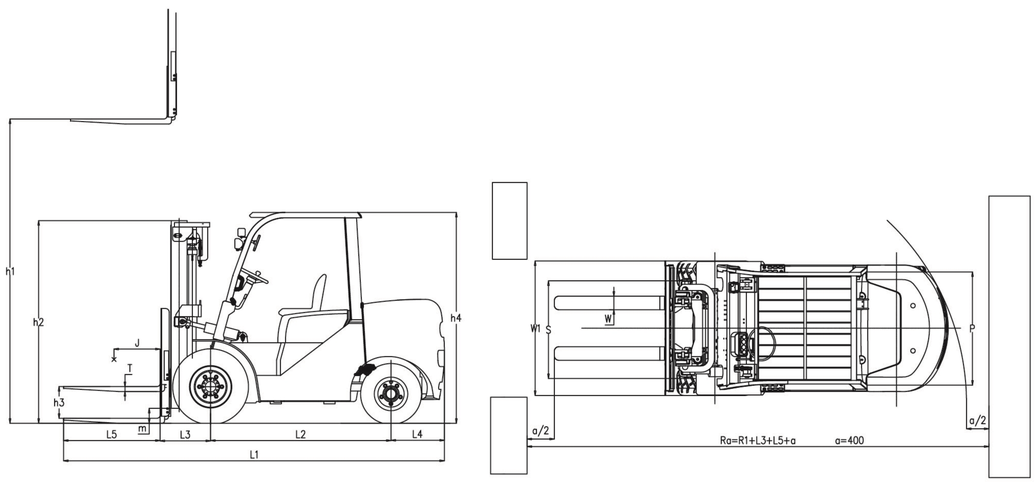
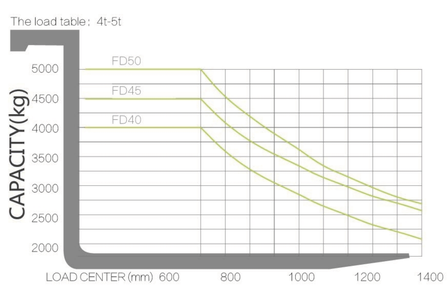
Machine 2D graph



CAPACITY CHART



Specification of Optional Engine

Model	Rated Power/Speed	Rated torque	Displacement	Remarks
-	(kW/r.p.m)	(N・m/r.p.m)	(L)	-
PERKINS1104D	55.9/2200	265/1700	4.397	-
MITSUBISHI S6S	52/2300	248/1700	4.994	-
QUANCHAI 4JR3	60/2200	310/1600-1800	4.944	-
WEICHAI 4105	55/2200	275/1400	4.327	-
Kubota V3800	61.6/2200	310/1600	3.768	-
XINCHANG 4D35G	50/2400	220/1600-1700	3.659	Mechanics
QUANCHAI 4108	60/2200	310/1600-1800	4.944	Mechanics

FD40/45/50

DIESEL FORKLIFT

HULKMAN

DIESEL FORKLIFT FD40/45/50

FEATURES		FD40(Mechanics)	FD40 (Hydraulic)	FD45(Mechanics)	FD45 (Hydraulic)	FD50 (Mini)
Power	–	Diesel	Diesel	Diesel	Diesel	Diesel
Rated Capacity	kg	4000	4000	4500	4500	5000
Center of load	J(mm)	500	500	500	500	500
Lifting height	h1(mm)	3000	3000	3000	3000	3000
Free lifting height	h3(mm)	146	146	146	146	146
Forks L×W×H	L5xWxT(mm)	1070×150×50	1070×150×50	1070×150×50	1070×150×50	1070×150×50
Tilt Forward/Backward	°	6/12	6/12	6/12	6/12	6/12
Min.turning radius	R1(mm)	2780	2780	2780	2780	2820
Min.ground clearance(Mast)	Ra(mm)	4815	4815	4815	4815	4855
ground clearance(Mast)	m(mm)	160	160	160	160	160
Overhead guard height	h4(mm)	2350	2350	2350	2350	2350
Front overhang	L3(mm)	565	565	565	565	565
Rear overhang	L4(mm)	540	540	540	540	584
PERFORMANCE						
Max.traveling speed(loaded)	km/h	18	18	18	18	18
Max.lifting speed (loaded/empty)	mm/s	380/410	410/450	380/400	410/430	380/410
Drawbar pull/Gradeability	kN/%	22/20	22/20	22/20	22/20	22/20
SIZE						
Overall length (without fork)	L1(mm)	4175	4175	4175	4175	4219
Overall width	W1(mm)	1490	1490	1490	1490	1490
Mast lowered height	h2(mm)	2355	2355	2355	2355	2355
Mast extended height	mm	4257	4257	4257	4257	4257
CHASSIS						
Tire Front	–	8.25-15-14PR	300-15-18PR	8.25-15-14PR	300-15-18PR	300-15-18PR
Tire Rear	–	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
Wheelbase	L2(mm)	2000	2000	2000	2000	2000
Tread width(Front/Rear)	S/P(mm)	1180/1190	1180/1190	1180/1190	1180/1190	1180/1190
Curb weight(None-load)	kg	6090	6090	6320	6380	6660
ENGINE						
Battery(Voltage/Capacity)	V/Ah	(12/90) X2	(12/90) X2	(12/90) X2	(12/90) X2	(12/90) X2
Engine(Model)	–	XINCHANG 4D35G	QUANCHAI 4JR3	XINCHANG 4D35G	QUANCHAI 4JR3	QUANCHAI 4JR3
Engine(Rated power)	kW/r.p.m	48/2300	60/2200	48/2300	60/2200	60/2200
Engine(Rated torque)	N.m/r.p.m	230/1600-1800	310/1600-1800	230/1600-1800	300/1600-1800	300/1600-1800
Engine(Cylinder amount)	–	4	4	4	4	4
Engine(Bore×Stroke)	mm	98x115	108x135	98x115	108x135	108x135
Engine(Displacement)	L	3.47	4.944	3.47	4.944	4.944
Fuel tank	L	100	100	100	100	100
Transmission	–	2/2Manual Shift	2/1Manual Shift	2/2Manual Shift	2/1Manual Shift	2/1Manual Shift
Working pressure	MPa	18.5	18.5	18.5	18.5	18.5

STANDARD CONFIGURATION

Wideview mast
Standard fork
Backrest
Overhead guard
Oil pressure indicator
Rearview mirror
Timer
Fuel Gauge
Air intake system
Oil scale in torque
2 piece multi valve
Tornado air filter
Speed limit valve
Handle
Toolbox
Rubber pad
Traction pin
Electric Horn
Standard seat
Parking brake
Adjustable steering wheel
Lifting & tilting handle
Water temperature gauge
Hydraulic oil level gauge
Hydraulic oil return filter
Rir spring rod for hood
Durable pneumatic tire
Turning signal
Engine flameout device
Hydraulic powered steering

OPTIONS

- ☐ Luxury seat
- ☐ High exhaust
- ☐ Cab
- ☐ Heater
- ☐ Solid tyre
- ☐ Double filter
- ☐ Windshield
- ☐ Fire extinguishing muffler
- ☐ Oil-bath double filter(on overheadguard)
- ☐ Double front tire and protector
- ☐ Rotary work alarming light
- ☐ Exhaust smoke purification muffler
- ☐ Two/three stage full-free mast
- ☐ Fork cover

ATTACHMENT

- ☐ Side shifter
- ☐ Fork positioner
- ☐ Hinged fork
- ☐ Carpet boom
- ☐ Extended fork
- ☐ Fork cover
- ☐ Lifting boom
- ☐ Paper roll clamp
- ☐ Bale clamp
- ☐ Rotator
- ☐ Barrel clamp
- ☐ Tipping fork and bucket

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

TECHNICAL FEATURES

Safe & Reliable

- Reinforced mast with wide view design improves efficiency and safety;
- Engine is with large torque and capacity, which is powerful and can meet different operation demands;
- Lifting system is equipped with up and down buffer cylinders, which reduce shock and vibration efficiently;
- Hydraulic system is equipped with the throttling valve, which makes operation safe and reliable;

Comfortable & practical

- Scientific ergonomic design makes operation more portable and comfortable. Seat and backrest are adjustable. Steering wheel tilt angle is also adjustable, which leaves more legroom. Shift operation is quick and simple;
- The forklifts are nice in appearance with streamline design. They work stably with high efficiency and good grade ability and can be operated in bad working conditions;
- Integral overhead guard, disposable stamping ceiling, equipped with five transparent plastic cover, with good lighting and rain protective features.

M WIDE VIEW STANDARD MAST / Z 2-STAGE FULL FREE MAST

Lifting Height	Capacity			Forks landing	Height with Backrest	Free lifting height			Mast Tilt angle F/R
mm	4T(kg)	4.5T(kg)	5T(kg)	mm	mm	4T(mm)	4.5T(mm)	5T(mm)	°
3000	4000	4500	5000	2355*2395	4257*4266	146*1178	146*1178	146*1178	6/12
3500	4000	4500	5000	2605*2645	4757*4766	146*1428	146*1428	146*1428	6/12
4000	3650	4150	4650	2905*2945	5257*5266	146*1728	146*1728	146*1728	6/12
4500	3550	4050	4550	3155*3195	5757*5766	146*1978	146*1978	146*1978	6/12
5000	3400	3900	4400	3405*3445	6257*6266	146*2228	146*2228	146*2228	6/6
5500	3250	3750	4250	3705*3745	6757*6766	146*2528	146*2528	146*2528	3/6
6000	3000	3500	4000	3955*3995	7257*7266	146*2778	146*2778	146*2778	3/6

Remark: * means double tires ; free lifting height without backrest: 2-stage full free mast : standard mast 4T-5T + 376mm ;
free lifting height without backrest : standard mast 4T-5T - 420mm , 2-stage full free mast 4T-5T - 376mm

S 3-STAGE FULL FREE MAST

Lifting Height	Capacity			Forks landing	Height with Backrest	Free lifting height			Mast Tilt angle F/R
mm	4T(kg)	4.5T(kg)	5T(kg)	mm	mm	4T(mm)	4.5T(mm)	5T(mm)	°
4000	4000	4500	5000	2230	5257	1013	1013	1013	6/6
4500	3650*4000	4150*4500	4650*5000	2395	5757	1178	1178	1178	6/6
5000	3200*3500	3700*4000	4200*4500	2560	6257	1343	1343	1343	6/6
5500	2700*3400	3200*3900	3700*4400	2725	6757	1513	1513	1513	3/6
6000	2400*3000	2400*3500	3400*4000	2995	7257	1778	1778	1778	3/6

Remark: * means double tires; free lifting height without backrest: 4T-5T(小) + 377mm ;
free lifting height without backrest: 4T-5T(小) - 377mm