

# NOBLELIFT



## N Series 4.5T - 5.0T Diesel Forklift

NEW *Noblelift Products*  
ARRIVAL

NOBLELIFT INTELLIGENT EQUIPMENT CO., LTD.



## N Series 4.0T - 5.0T Diesel Forklift

Under the request of our customers, NOBLELIFT is ready to offer to the market with our 4.5T - 5.0T diesel forklift. It adopts leading design, manufacturing technology and reliable power train and hydraulic systems.

The NOBLELIFT 4.5T - 5.0T diesel forklift is ready to deal with the material handling job in different and various tough applications to deliver the most efficient solution.

### Reliability & Performance

- Scientific design and manufactured truck body combines superior power train makes the forklift outstanding in performance and operation. The power train includes the well-known engines like Isuzu, Mitsubishi, Yanmar, Kubota, Xinchai and Japanese level technology transmission.
- Reliable hydraulic system adopts Japanese Shimadzu valve and pump or other brands with similar quality level, it ensures the high lifting and steering speed.
- Advanced Cooling technology matching with large capacity radiator makes sure the forklift can work well even in hot area.





## Safety & Ergonomics

- Hydraulic power-assisted braking: more resistant to the working environment, more stable braking performance.
- Enhanced heat dissipation performance: the use of large plate-fin aluminum tank to better control the three temperatures, stabilizing the reliability of the system.
- Waterproof plug-in for the whole vehicle.
- Optimized hydraulic system, highlighting energy saving and high efficiency, reducing the fuel consumption of the whole vehicle.
- Operation layout and seat position are in line with ergonomics.
- Wide field of vision of the mast always provides the operator with a good visibility.
- Built-in buffering device in the mast lifting system reduces the impact and vibration of the forks and effectively reduces the noise generated when the goods fall to the ground.
- LCD instrumentation is clear to the eye. Instantaneous display of engine and vehicle faults.
- Ratcheting parking handle, operation is labor-saving.





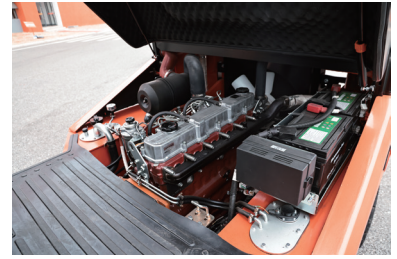
## Easy maintenance



Quick removable side panels that greatly increase maintenance space on the side of the vehicle.



The counterweight top cover opens at a wide angle for easy radiator inspection.



The front and rear floors can be removed by removing two screws on the rear floor.

**The nearly 80-degree hood makes routine maintenance easier.**  
**All parts are quickly accessible.**



## FD45-50N Internal combustion counterweight forklift

No.20241023

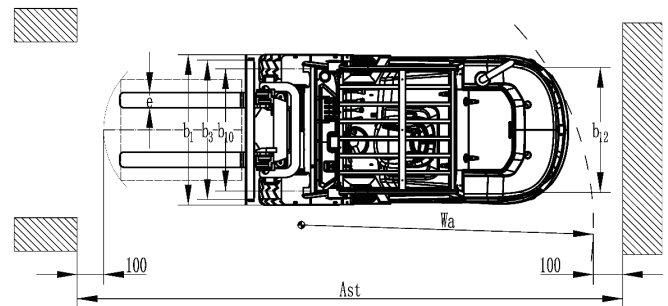
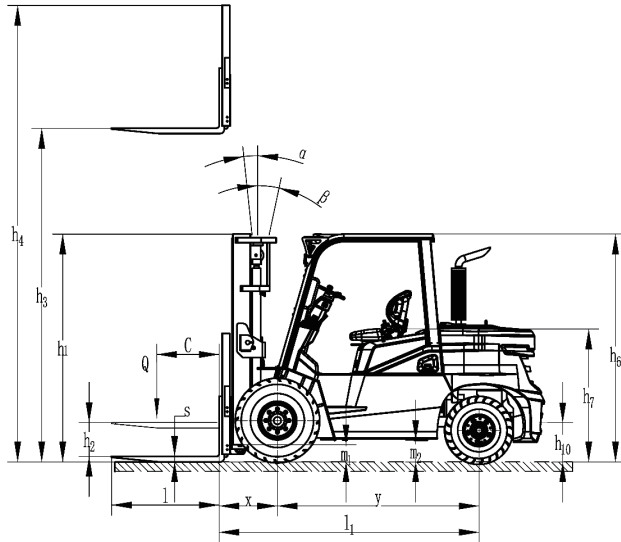
Identification	1.1	Manufacture(abbreviation)		NOBLELIFT	
	1.2	Manufacturer's type designation		FD45N	FD50N
	1.2.1	Configuration number		FD45T-NJM2	FD50T-NJM2
	1.3	Drive:electric(battery or mains),diesel,petrol gas>manual)		Diesel	
	1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		Seated	
	1.5	Load capacity/rated load	Q(kg)	4500	5000
	1.6	Load centre distance	c (mm)	500	
	1.8	Load distance,centre of drive axle to fork	x (mm)	574	
	1.9	wheelbase	y (mm)	2000	
Weights	2.1	Service weight incl. engine	kg	6505	6805
	2.2	Axle loading ,laden front/rear	kg	9550/1455	9750/1555
	2.3	Axle loading,unladen front/rear	kg	2610/3895	2710/4095
Wheels、Chassis	3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		solid rubber	
	3.2	Tyres size,front		300-15-18PR	
	3.3	Tyres size,rear		7.00-12-12PR	
	3.5	Wheels,number front/rear(×=driven wheels)		2×/2	
	3.6	Track width,front	b10 (mm)	1180	
	3.7	Track width,rear	b11 (mm)	1190	
Basic Dimensions	4.1	Mast/fork carriage tilt forward/backward	α/β(°)	6/12	
	4.2	lowered mast height	h1(mm)	2260	
	4.3	Free lift	h2(mm)	139	
	4.4	Lift height	h3(mm)	3000	
	4.5	Extended mast height	h4(mm)	4266	
	4.7	Overhead load guardheight	h6(mm)	2260	
	4.8	Seat height/standing height	h7(mm)	1300	
	4.12	Coupling height	h10(mm)	390	
	4.19	Overall length	l1(mm)	4240	
	4.20	Length to face of forks	l2(mm)	3170	
	4.21	Overall width	b1(mm)	1485	
	4.22	Fork dimensions	s/e/l(mm)	50X150X1070	
	4.24	Fork carriage width	b3(mm)	1480	
	4.31	Ground clearance ,laden,under mast	m1(mm)	170	
	4.32	Ground clearance,centre of wheelbase	m2(mm)	225	
	4.33	Aisle width for pallets 1000×1200 crossways	Ast(mm)	4674	
	4.34	Aisle width for pallets 800×1200 lengthways	Ast(mm)	4874	
	4.35	Turning radius	Wa (mm)	2900	
Performance Data	5.1	Travel speed,laden/unladen	km/h	22 / 24	
	5.2	Lift speed,laden/unladen	mm/s	450 / 490	430 / 470
	5.3	lowering speed,laden/unladen	mm/s	<600	
	5.5	Max.Drawbar pull ,laden/unladen(1.6km/h)	kN	21 / 19	
	5.7	Max.Gradient performance,laden/unladen(1.6km/h)	%	20 / 24	
	5.10	Service brake		hydraulic	
Engine	6.1	Engine model		S6S	
	6.2	Rated Output / r.p.m.	kw/r	52/2300	
	6.3	Rated Torque / r.p.m.	N.m/r	248/1700	
	6.4	No.of Cylinder		6	
Other Details	7.1	Battery(voltage/capacity)	V/Ah	24/90	
	7.2	Operating pressure for attachments	Mpa	19.5	
	7.3	Oil volume for attachments	l/min	36	

## Mast Table FD45-50N

Designation	Lift height	Free Lift	Closed mast height	Extended mast height	Tilt forward/backward	Capacity table kg C=500mm without sideshift single tyres			
						FD45N	FD45N (double tire)	FD50N	FD50N (double tire)
	h3mm	h2mm	h1mm	h4mm	$\alpha/\beta(^{\circ})$				
Two-stage ZT	3000	139	2260	4148	6/12	4500	4750	5000	5300
	3300	139	2410	4448	6/12	4500	4750	5000	5300
	3500	139	2510	4648	6/12	4500	4750	5000	5300
	3700	139	2610	4848	6/12	4500	4750	4850	5150
	4000	139	2810	5148	6/12	4500	4750	4650	4850
	4300	139	2960	5448	6/6	4200	4450	4300	4600
	4500	139	3060	5648	6/6	4000	4250	4200	4500
	4700	139	3160	5848	6/6	3700	3950	3800	4100
	5000	139	3310	6148	6/6	3500	3750	3650	3900
	5500	139	3560	6648	3/6	2700	2950	2800	3100
Three-stage DZ	6000	139	3860	7148	3/6	2400	2650	2500	2800
	4000	1097	2205	5153	6/6	4300	4550	4600	4900
	4300	1212	2320	5498	6/6	3800	4050	4100	4400
	4500	1262	2370	5648	6/6	3700	3950	4000	4300
	4700	1327	2435	5843	6/6	3300	3500	3600	3900
	5000	1427	2535	6143	6/6	3100	3350	3400	3700
	5500	1592	2700	6638	3/6	2600	2850	2900	3200
	6000	1862	2970	7148	3/6	2000	2250	2300	2600

Three level full free lifting height (without stop shelf)) +369mm.

## Structure diagram



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Our Wechat

All specifications and figures are subject to change without notice for improvement.