www.nobleliftna.com



NOR

DIESEL

FD4P50N-70N 5,000 - 7,000 lbs. Capacity

Diesel Pneumatic Forklift



NOBLELIFT

Why choose between price and quality WHEN YOU CAN HAVE BOTH!



HIGHLIGHTS

- On-demand fully hydrostatic power steering (FHPS)
- 4-Way hydraulics to carriage
- Side-shift
- Intelligent buffering
- Multi-function LED Display: Speed, travel direction, fuel indicator, engine temp, oil pressure, odometer, hour meter, parking brake and more
- Spacious operator cab
- Deluxe suspension seat
- Tilt steering column
- Operator Presence System (OPS) for safe operation
- Safety Blue light
- LED rear work light, headlights, and strobe
- Rear grab bar with horn
- Easy serviceability

FD4P50N-70N

5,000 - 7,000 lbs. Capacity Diesel Pneumatic Forklift The FD4P50N-70N Series are highly efficient, durable Diesel Pneumatic forklifts. They are designed to move high volumes and big loads reliably. The mast system, front/rear axles, chassis and overhead guard are engineered for the toughest conditions. Applications can include lumber yards, brick and stone distribution centers, specialized warehouses and heavy-duty manufacturing facilities. These high performance, low maintenance forklifts deliver improved productivity while ensuring operator comfort throughout the entire shift.



RELIABILITY AND SAFETY



Heavy-duty steel chassis, axles, mast and overhead guard deliver high strength and stability for high lifting heights and heavy loads.



Radiator's plate fin heat dissipation system keeps engine running reliably, even in the most demanding applications.



Intelligent buffering effectively protects the ground and cargo from damage while forks descend to the ground.



Operator Presence System (OPS) — When operator is not in seat, the hydraulic lift and tilt controls automatically lock out and traveling is disabled.



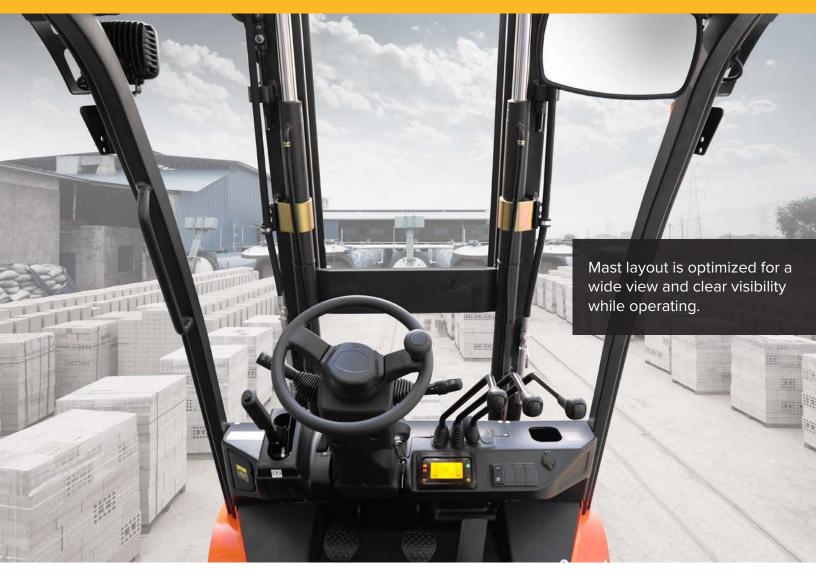
Cast axles increases the bearing load and improves the truck structure, while prolonging vehicle service life.



Durable controller that integrates all electrical components is protected from temperature, water and vibration.



GREAT VISIBILITY. ERGONOMIC. QUIET.





The large, ergonomic cab and user-friendly design ensures operator comfort throughout the entire work shift. Low entrance height provides operator easy and safe access. Deluxe suspension, fully adjustable seat reduces vibration to the driver to effectively reduce driver fatigue for all sizes of operators.



On-Demand Fully Hydrostatic Power Steering (FHPS) guarantees smooth steering, preventing over-run and kickback. Spinner knob allows easier one-handed steering.

GREAT VISIBILITY. ERGONOMIC. QUIET.



The angle of the steering column is easily adjusted with a lever on the left-hand side of the steering column.



Equipped with LED lamps: LED rear work lights, headlights, strobe and safety blue light. Bright light with low power consumption provides excellent visibility.



Optimized pedal position gives operator comfort throughout the entire work shift while reducing operator fatigue.



(2) USB connectors for charging of additional devices during operations.

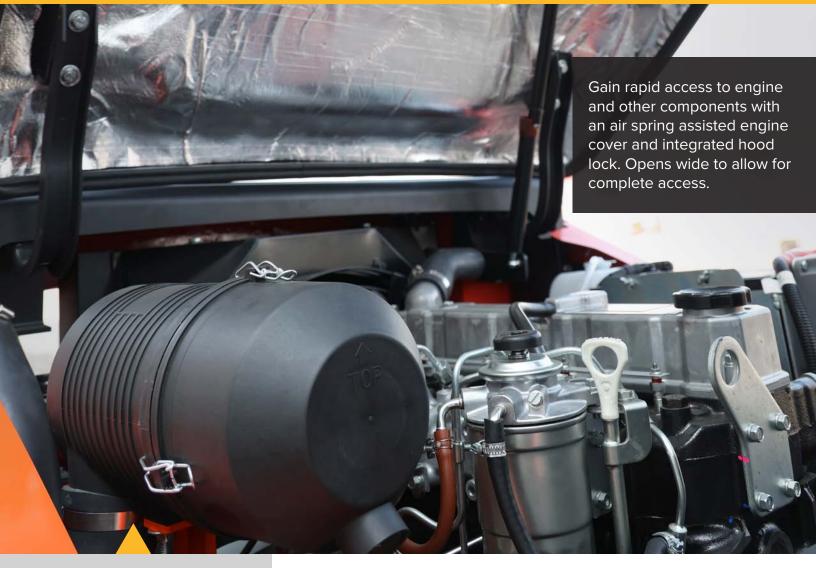


Angled exit ports direct engine air away from the operator and the cab to help operators stay cool.



Automotive-style levers for headlights and turn signals operate like a car. Easy and intuitive operating controls shorten learning time.

EASY MAINTENANCE



Automobile-style brake fluid system makes it simple to add and check the brake fluid.

Radiator cover fasteners are easily turned by hand to enable quick inspection or servicing.

Air cleaning system with tangential intake and double seal with safety filter is durable, corrosionfree, and vibration-resistant It provides optimal filter efficiency and lower intake resistance.



Modular frame is designed based on the same chassis as the NOBLELIFT LPG and Electric forklifts. Main components and configurations are the same. Spare parts inventory is minimized to reduce service and maintenance costs.

HIGH EFFICIENCY AND PERFORMANCE



LS Mtron Engine 56 HP/2,300 rpm

High Power Engine - LS Mtron High performance, durability and excellent fuel efficiency.

Type: L3 Model: L4CRTV4 (EUV) Number of cylinders: 4 Bore x Stroke: 88mm x 103mm Displacement: 2,505 cc Rated output: 42(56hp)/2300kw/rpm Rated torque: 208/1600N.m/rpm

Powerful high-output engine provides excellent acceleration, gradeability and fast travel speed.



ENVIRONMENTALLY FRIENDLY



NOBLELIFT's diesel engines meet the tough EPA Tier IV Final and EU Stage V emission regulations for engine exhaust emissions.

NOBLELIFT has used environment friendly materials when possible — Including nonasbestos brake shoes and a new type of sealing gasket. We are committed to pursuing a clean environment.

Designation	Lift height h3 (in)	Free lift h2 (in)	Closed mast height h1 (in)	Extended mast height h4 (in)	Tilt forward / backward a/b (°)	Capacity table (lb) C=24in without sideshif single pneumatic tires	
	FD4P50N	FD4P50N	FD4P50N	FD4P50N	FD4P50N	FD4P50N	
	79	5.3	61.8	117.1	6 / 10	5,000	
	98	5.3	71.7	136.8	6 / 10	5,000	
	118	5.3	81.5	156.5	6 / 10	5,000	
	130	5.3	87.4	168.3	6 / 10	5,000	
	138	5.3	91.3	176.1	6 / 10	5,000	
Two-stage ZT	142	5.3	93.3	180.1	6 / 10	5,000	
	146	5.3	95.3	184.0	6 / 10	5,000	
	157	5.3	103.1	195.8	6/6	4,900	
	169	5.3	109.1	207.6	6/6	4,200	
	177	5.3	113.0	215.5	6/6	3,990	
	197	5.3	122.8	235.2	6/6	3,200	
	97	24.8	61.8	116.9	6 / 10	5,000	
	98	34.7	71.7	136.5	6 / 10	5,000	
	118	44.5	81.5	156.2	6 / 10	5,000	
Two-stage ZZ	130	50.4	87.4	168.0	6 / 10	5,000	
Two-stage ZZ	138	54.4	91.3	175.9	6 / 10	5,000	
	142	56.3	93.3	179.8	6 / 10	5,000	
	146	58.3	95.3	183.8	6/6	5,000	
	157	66.2	103.1	195.6	6 / 6	4,800	
	157	41.6	78.5	196.0	6/6	4,600	
	171	46.5	83.5	209.8	6/6	4,000	
	177	48.5	85.4	215.6	6/6	3,800	
Three-stage DZ	189	52.4	89.6	227.4	6/6	3,200	
	197	58.0	95.0	235.3	6 / 6	3,000	
	217	67.2	104.2	255.0	3/6	2,300	
	236	76.4	113.4	274.6	3/6	1,600	
	256	85.6	122.6	294.3	3/3	1,000	

Free lift height (no load-backrest) +16.7in

Mast Table FD4P60-70N

Designation	Lift h h3	5	Free h2		Closed m h1	5	Extended r h4	5	height Tilt forward / backwar a/b (°)		Capacity table (lb) C=24in without sideshift single pneumatic tires	
	FD4P60N	FD4P70N	FD4P60N	FD4P70N	FD4P60N	FD4P70N	FD4P60N	FD4P70N	FD4P60N	FD4P70N	FD4P60N	FD4P70N
	79	79	5.3	5.5	61.8	66.1	121.2	121.2	6 / 10	6 / 10	6,000	7,000
	98	98	5.3	5.5	71.7	76.0	140.9	140.9	6 / 10	6 / 10	6,000	7,000
	118	118	5.3	5.5	81.5	85.8	160.6	160.6	6 / 10	6 / 10	6,000	7,000
	130	130	5.3	5.5	87.4	91.7	172.4	172.4	6 / 10	6 / 10	6,000	7,000
Two-stage ZT	138	138	5.3	5.5	91.3	95.7	180.3	180.3	6 / 10	6 / 10	6,000	7,000
Two-stage 21	142	142	5.3	5.5	93.3	97.6	184.2	184.2	6 / 10	6 / 10	6,000	7,000
	146	146	5.3	5.5	95.3	99.6	188.1	188.1	6 / 10	6 / 10	5,900	6,500
	157	157	5.3	5.5	103.1	107.5	200.0	200.0	6/6	6/6	5,700	6,000
	169	169	5.3	5.5	109.1	113.4	211.8	211.8	6/6	6/6	5,400	5,600
	177	177	5.3	5.5	113.0	117.3	219.6	219.6	6/6	6/6	5,000	5,200
	197	197	5.3	5.5	122.8	127.2	239.3	239.3	6/6	6/6	4,200	4,400
	79	79	22.2	19.3	60.8	61.8	121.2	121.2	6 / 10	6 / 10	6,000	7,000
	98	98	32.0	29.2	70.7	71.7	140.9	140.9	6 / 10	6 / 10	6,000	7,000
	118	118	41.9	39.0	80.5	81.5	160.6	160.6	6 / 10	6 / 10	6,000	7,000
Two-stage ZZ	130	130	47.8	44.9	86.4	87.4	172.4	172.4	6 / 10	6 / 10	6,000	7,000
Two stage LL	138	138	51.7	48.9	90.4	91.3	180.3	180.3	6 / 10	6 / 10	6,000	7,000
	142	142	53.7	50.8	92.3	93.3	184.2	184.2	6 / 10	6 / 10	6,000	7,000
	146	146	55.6	52.8	94.3	95.3	188.1	188.1	6/6	6/6	6,000	7,000
	157	157	63.5	60.7	102.2	103.1	200.0	200.0	6/6	6/6	5,700	6,400
	157	157	38.9	36.1	77.6	77.6	200.0	200.0	6/6	6/6	5,500	6,400
Three-stage DZ	169	169	43.8	41.0	82.5	82.5	211.8	211.8	6/6	6/6	5,200	6,000
	177	177	45.8	43.0	84.4	84.4	219.6	219.6	6/6	6/6	4,800	6,000
	189	189	49.7	46.9	88.4	88.4	231.5	231.5	6/6	6/6	4,800	6,000
	197	197	55.4	52.5	94.0	94.0	239.3	239.3	6/6	6/6	4,600	4,800
	217	217	64.6	61.7	103.2	103.2	259.0	259.0	3/6	3/6	3,700	3,500
	236	236	73.7	70.9	112.4	112.4	278.7	278.7	3/6	3/6	2,800	2,500
	256	256	83.0	80.1	121.6	121.6	298.4	298.4	3/3	3/3	1,800	1,800

Free lift height (no load-backrest) +16.7in

Identif	fication					
1.1	Manufacturer			NOBLELIFT		
1.2	Model		FD4P50N	FD4P70N		
1.3	Drive (electric – battery or mains, diesel, petrol, gas, manual)		Diesel			
1.4	Type of operation (hand, pedestrian, standing, seated, order picker)		Seated forklift			
1.5	Load capacity / rated load		5,000	6,000	7,000	
1.6	Load center distance		0,000	24		
1.8	Load distance, center of drive axle to fork	(in) (in)	18.8	19.2	19.4	
1.9	Wheel base	(in)	63		57	
Weigh		()				
2.1	Service weight	lb	8,013	9,568	10,383	
2.2	Axle loading, laden front / rear	lb	11,872 / 1,433	14,374 / 1,807	15,983 / 2,116	
2.3	Axle loading, unladen front / rear	lb	3,307 / 4,707	3,858 / 5,710	4,166 / 6,658	
	ls, Chassis		-,,	-,,	,	
3.1	Tires (solid rubber, superelastic, pneumatic, polyurethane)		Solid pneumatic			
3.2	Tire size, front		7.00-12-12PR		5-14PR	
3.3	Tire size, rear		6.00-9-10PR		0-10PR	
3.5	Wheels, number front / rear (x = driven wheels)			2x / 2		
3.6	Track width, front		38.3	39.5		
3.7				38.5		
Basic I	Dimensions	(in)				
4.1	Mast / fork carriage tilt forward / backward			6 / 10		
4.2	Lowered mast height	a/b (°) (in)	81.5	81.5	85.8	
4.3	Free lift	(in)	5.3	5.3	5.5	
4.4	Lift height	(in)		118.1		
4.5	Extended mast height	(in)	156.5	160.6		
4.7	Overhead load guard (cab) height	(in)		85.82 / 86.8		
4.8	Seat height / standing height	(in)	44.5			
4.12	Coupling height	(in)	22.8			
4.19	Overall length	(in)	140.5	148.5	150.3	
4.20	Length to face of forks	(in)	103.1	106.2	109	
4.21	Overall width	(in)	45.27	7 47.6		
4.22	Fork dimensions	s/e/l (in)	1.6 / 4.8 / 42.1	1.8 / 4.9 / 42.1	2.0 / 5.1 / 42.1	
4.24	Fork carriage width	(in)	43.3			
4.31	Ground clearance, laden, under mast		4.52 / 5.11			
4.32	Ground clearance, center of wheelbase		5.1 / 6.1			
4.33	Aisle width for pallets 1000 x 1200 crossways	Ast (in)	151.5	160.6	162.3	
4.34	Aisle width for pallets 800 x 1200 lengthways		157.3	168.4	170.2	
4.35	Turning radius	Wa (in)	87.79	96.4	99	
Perfor	mance Data					
5.1	Travel speed, laden / unladen				11.8 / 11.1	
5.2	Lift speed, laden / unladen	fpm	102.35	102.35 / 96.45		
5.3	Lowering speed, laden / unladen	fpm		<118		
5.5	Lowening speed, iddent / uniddent			3,300 3,520		
5.5	Max. Drawbar pull, laden	blf	3,100	3,300	3,520	
		blf %	3,100 15 / 15		3,520 / 15	

A GLOBAL LEADER

NOBLELIFT is a global leader in Lithium-ion Technology. We manufactures more than 200 categories and around 30 series of each product. Our products are designed to meet different application demands and are well accepted by our customers in more than 100 countries and regions in Europe, America, Asia, Africa and more.

Products include: sit-down forklifts, narrow aisle forklifts, walkie-stackers, order pickers, electric pallet trucks, scissor lifts, tuggers, scrubbers, lift tables, manual pallet jacks and more.



FORKLIFTS



NARROW AISLE

STACKERS

POWERED PALLET TRUCKS

SCISSOR LIFTS

TUGGERS

SCRUBBERS



2475 S. Wolf Road Des Plaines, IL 60018 T: 847-595-7100 F: 847-595-7200 sales@nobleliftna.com www.nobleliftna.com



AUTHORIZED DEALER

