

**DIESEL**

**RT SERIES**

2WD/4WD Rough Terrain  
5,000 - 7,000 lbs. Capacity  
Diesel Pneumatic Forklift



Capacity  
5000-7000lb

High  
Performance

Robust  
Design

Ergonomic

Highly  
Cost Effective

Environment  
Friendly

Easy  
Maintenance

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
- ▶ Multi-function LED Display: Speed, travel direction, fuel indicator, engine temp, oil pressure, odometer, hour meter, parking brake and more
- ▶ EPA Tier IV Certified
- ▶ Spacious operator cab
- ▶ Deluxe suspension seat
- ▶ Tilt steering column
- ▶ Operator Presence System (OPS) for safe operation
- ▶ Tilt cylinder boots
- ▶ Safety Blue light
- ▶ LED rear work light, headlights, and strobe
- ▶ Rear grab bar with horn
- ▶ Easy serviceability



## RT SERIES

**2WD/4WD Rough Terrain**  
**5,000 - 7,000 lbs. Capacity**  
Diesel Pneumatic Forklift

The RT Series 2WD/4WD are highly efficient, durable Diesel Rough Terrain forklifts. They are designed to move high volumes and big loads reliably through the toughest terrain. The mast system, front/rear axles, chassis and overhead guard are engineered for extreme conditions. Applications can include forestry, disturbed surface construction sites, oil refineries, military and agriculture. These high performance, low maintenance forklifts deliver improved productivity while ensuring operator comfort throughout the entire shift.

TOUGH. SOLID. SMART.



# RELIABILITY AND SAFETY



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



Optimized heat dissipation channel allows for larger radiator, keeping engine running reliably, even in the most demanding applications.



Large LED display and CAN Bus function provides truck status information: parking brake, driving direction, speed, hour meter and fault codes.



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.**



Mast layout is optimized for a wide view and clear visibility while operating.



The large, ergonomic cab and user-friendly design with cushioned rubber floor mat, 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 kick-back. 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 and powering of additional devices during operations.



Large diameter, pneumatic tires ensure comfortable driving. Tire fender designed to prevent mud from getting in cab.



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

## EASY MAINTENANCE



Gain rapid access to engine and other components with an air spring assisted engine cover and integrated hood lock. Opens wide to allow for complete access.

Large engine compartment adds to easy access.

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.

Maintenance-free battery.

Tier IV engine fault codes make maintenance convenient.



Centrifugal pre-cleaner removes 90% of impurities, rain, debris, dust and dirt from intake air before the air reaches the filter element. This reduces engine wear, minimizes downtime and improves fuel economy.



## 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. The RT Series has a minimum ground clearance of 8.66" and a turning radius of 121". This offers greater maneuverability and keeps the truck moving through the roughest of applications.



UP TO  
**50%**  
with a full load

**Strong Gradeability**



**Min. 8.66in Ground Clearance**



**Turning Radius 121"**

# 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 non-asbestos brake shoes and a new type of sealing gasket. We are committed to pursuing a clean environment.



Mast Table RT SERIES									
Mast (in)		Type	Lift Height (in)	Lowered Mast (in)	Free Lift (in)		Front Overhang (in)	Mast Tilting Angle Front/Rear	Capacity at Max. Height (lb)
					With Bracket	Without Bracket			Without Side Shift Carriage
Wide view 2-stage mast	118	FD2RT/4RT50	118	87.79	6.49	6.49	22.83	10/12°	5,000
		FD2RT/4RT70		91.5	6.69	6.69	23.42	10/12°	7,000
	130	FD2RT/4RT50	130	93.7	6.49	6.49	22.83	10/12°	5,000
		FD2RT/4RT70		97.4	6.69	6.69	23.42	10/12°	7,000
	138	FD2RT/4RT50	138	97.8	6.49	6.49	22.83	10/12°	5,000
FD2RT/4RT70		101.3		6.69	6.69	23.42	10/12°	7,000	
157	FD2RT/4RT50	157	109.4	6.49	6.49	22.83	10/12°	4,900	
	FD2RT/4RT70		113.1	6.69	6.69	23.42	10/12°	6,900	
177	FD2RT/4RT50	177	119.29	6.49	6.49	22.83	10/12°	4,300	
	FD2RT/4RT70		123	6.69	6.69	23.42	10/12°	6,200	
Full free 3-stage mast	157	FD2RT/4RT50	157	81.69	35.1	52.6	23.03	10/12°	4,700
		FD2RT/4RT70		86.61	35.2	52.7	24.21	10/12°	6,500
	171	FD2RT/4RT50	171	86.61	40.07	57.59	23.03	10/12°	4,400
		FD2RT/4RT70		91.53	40.1	57.71	24.21	10/12°	6,200
	185	FD2RT/4RT50	185	91.14	44.6	62.12	23.03	10/12°	3,800
		FD2RT/4RT70		96.06	44.68	62.2	24.21	10/12°	5,600
196	FD2RT/4RT50	196	96.45	49.92	67.55	23.03	6/6°	3,800	
	FD2RT/4RT70		101.3	50	67.5	24.21	6/6°	5,300	
236	FD2RT/4RT50	236	110.23	63.7	81.2	23.03	6/6°	1,900	
	FD2RT/4RT70		115.15	63.77	81.29	24.21	6/6°	3,100	
256	FD2RT/4RT50	256	118.7	72.1	89.68	23.03	6/6°	1,100	
	FD2RT/4RT70		123.6	72.24	89.76	24.21	6/6°	1,900	

General Identification								
1	Type			4WD		2WD		
2	Model			FD4RT 50	FD4RT 70	FD2RT 50	FD2RT 70	
3	Power type			Diesel				
4	Rated capacity	lb		5,000	7,000	5,000	7,000	
Characteristic & Dimension								
5	Load center	in		24				
6	Free lift height	in		6.49	6.69	6.49	6.69	
7	Fork size (LxWxT)	in		42x4.8x1.57	42x4.9x1.77	42x4.8x1.57	42x4.9x1.77	
8	Fork regulating range (Min./Max.)	in		9.8-51.57	9.8-59	9.8-51.57	9.8-59	
9	Mast tilt angle (F/R)	Deg		10°/12°				
10	Front overhang	in		22.8	23.4	22.8	23.4	
11	Rear overhang	in		23.8				
12	Min. ground clearance (drive steer axle)	in		8.66				
13	Overall Dimensions	Length to face of fork (without fork)	in	120	121.4	120	121.4	
14		Overall width	in	57	63	61	63	
15		Mast lowered height	in	87.79	91.53	87.79	91.53	
16		Mast extended height (with backrest)	in	164	169	164	169	
17		Overhead guard height	in	88.97	89.7	88.97	89.7	
18	Turning radius (outside)	in		121		112		
19	Min. right angle aisle width (add load length and clearance)	in		103	106	103	106	
Performance								
20	Speed	Travel (laden/unladen)	mph	11.8/12.42	11.1/11.8	11.8/12.42	13/13.6	
21		Lifting (laden/unladen)	in	23.6/24.4	18.89/19.6	22.4/23.2	17.7/18.5	
22		Lowering (laden/unladen)	in	17.32				
23	Max. drawbar pull (laden)	lbf		8,542		3,821		
24	Max. gradeability (laden)	%		50	45	20	16	
Tire								
25	Tire	Front		12-16.5-12PR	14-17.5-14PR	12-16.5-12PR	14-17.5-14PR	
26		Rear		10.0/75-15.3		27x10-12-12PR		
27	Tread	Front	in	44	49	49	49	
28		Rear	in	47	47	47	47	
29	Wheelbase	in		74				
30	Self weight	lb		10,692	12,037	9,920	11,419	
Weight								
31	Weight Distribution	Laden	Front axle	lb	14,550	17,085	13,227	16,975
32			Rear axle	lb	1,653	2,645	2,204	2,160
33		Unladen	Front axle	lb	4,806	5,511	3,990	4,563
34			Rear axle	lb	5,886	6,525	5,930	6,856
Power & Transmission								
35	Battery	Voltage/Capacity		V/Ah	12/90			
36	Transmission							
37		Stage	F/R		2/1			
38	Operation pressure (for attachments)			Mpa	20			

# A GLOBAL LEADER

NOBLELIFT is a global leader in Lithium-ion Technology. We manufacture 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

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