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NOBLELIFT
NORTH AMERICA

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.

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. 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.



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 FD2RT/4RT70	118	87.79 91.5	6.49 6.69	6.49 6.69	22.83 23.42	10/12° 10/12°	5,000 7,000
	130	FD2RT/4RT50 FD2RT/4RT70	130	93.7 97.4	6.49 6.69	6.49 6.69	22.83 23.42	10/12° 10/12°	5,000 7,000
	138	FD2RT/4RT50 FD2RT/4RT70	138	97.8 101.3	6.49 6.69	6.49 6.69	22.83 23.42	10/12° 10/12°	5,000 7,000
	157	FD2RT/4RT50 FD2RT/4RT70	157	109.4 113.1	6.49 6.69	6.49 6.69	22.83 23.42	10/12° 10/12°	4,900 6,900
	177	FD2RT/4RT50 FD2RT/4RT70	177	119.29 123	6.49 6.69	6.49 6.69	22.83 23.42	10/12° 10/12°	4,300 6,200
Full free 3-stage mast	157	FD2RT/4RT50 FD2RT/4RT70	157	81.69 86.61	35.1 35.2	52.6 52.7	23.03 24.21	10/12° 10/12°	4,700 6,500
	171	FD2RT/4RT50 FD2RT/4RT70	171	86.61 91.53	40.07 40.1	57.59 57.71	23.03 24.21	10/12° 10/12°	4,400 6,200
	185	FD2RT/4RT50 FD2RT/4RT70	185	91.14 96.06	44.6 44.68	62.12 62.2	23.03 24.21	10/12° 10/12°	3,800 5,600
	196	FD2RT/4RT50 FD2RT/4RT70	196	96.45 101.3	49.92 50	67.55 67.5	23.03 24.21	6/6° 6/6°	3,800 5,300
	236	FD2RT/4RT50 FD2RT/4RT70	236	110.23 115.15	63.7 63.77	81.2 81.29	23.03 24.21	6/6° 6/6°	1,900 3,100
	256	FD2RT/4RT50 FD2RT/4RT70	256	118.7 123.6	72.1 72.24	89.68 89.76	23.03 24.21	6/6° 6/6°	1,100 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
32			Rear axle	lb	1,653	2,645	2,204
33		Unladen	Front axle	lb	4,806	5,511	3,990
34			Rear axle	lb	5,886	6,525	5,930
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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