www.nobleliftna.com

Team MR. LIFT TRUCK
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LITHIUM

OMEGA 50-65 Li

5,000 - 6,500 lbs. Capacity

Li-ion Cushion Forklift



- Lithium-ion Battery
- CAN-bus
- Low noise
- Capacity 5000-6500
- High Performance
- Robust Design
- High Efficiency
- Highly Cost Effective
- Easy Maintenance
- Ergonomic Design

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



HIGHLIGHTS

- Advanced AC asynchronous traction motor, permanent magnet pump motor, Curtis controller
- 4-Way proportional hydraulics to carriage
- Cascade side shift
- Intelligent buffering
- Automatic speed reduction in turns
- Multi-function Eye-Level LCD Display: lifting weight, lifting height, speed, power, steering, fault code, alarm, fuel indicator and more
- Deluxe suspension seat
- Operator presence sensing system
- LED Safety Blue light, rear work light, headlights, and strobe
- Rear grab bar with horn
- CAN-bus communications system
- On-board self-diagnostics
- Lithium battery with REMA connector provides multiple shift operation
- Integral 80V built-in charger
- 220V or 480V external charger
- Fast charging 2 hours
- FHPS power steering
- Tilt cylinder boots

OMEGA 50-65 Li

5,000 - 6,500 lbs. Capacity

Li-ion Cushion Forklift

Engineered for the demands of modern material handling, the OMEGA Li Series redefines what operators can expect from an electric forklift. Designed from the ground up as a purpose-built lithium cushion truck, Omega Li delivers the familiar feel and performance of an LPG forklift while introducing the advantages of advanced electric technology. Its low center of gravity, low-profile design, lower seat height, and optimized overhead guard create exceptional visibility, stability, and operator confidence. Combined with responsive performance, precise control, intelligent integrated systems, and an ultra-compact chassis, OMEGA Li brings a new level of agility, comfort, efficiency, and productivity to high-density indoor operations.



The OMEGA Li's advanced powertrain combines a durable AC asynchronous traction motor, high-efficiency permanent magnet hydraulic pump motor, and an intelligent Curtis controller to deliver smooth, responsive performance with exceptional energy efficiency. This integrated system provides strong continuous travel power, precise hydraulic control, quieter operation, and seamless multitasking between drive and lift functions.

GREAT VISIBILITY. ERGONOMIC.

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



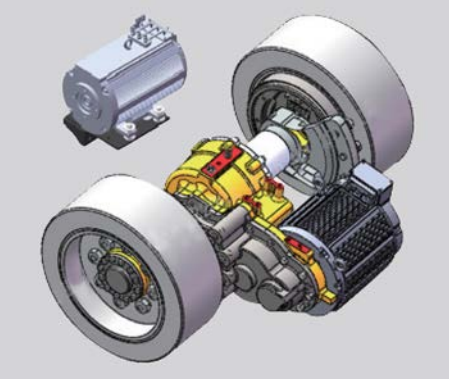
The large, ergonomic cab and user-friendly design ensures operator comfort throughout the entire work shift. Low entrance height provides operator easy and safe access.

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 kick-back. Spinner knob allows easier one-handed steering.

SUPERIOR DESIGN AND PERFORMANCE



Advanced powertrain: AC asynchronous traction motor, permanent magnet hydraulic pump motor and intelligent Curtis controller.



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



Integrated side shift allows for precise movement of the fork carriage without having to move the whole forklift.



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.



Large frame-mounted LCD display improves safety and efficiency by placing the screen in the operator's line of sight.



Travel Speed Up To 9.9 mph



Gradeability / Full Load



Fast Lifting Speed Up To 108 ftm

SUPERIOR DESIGN AND PERFORMANCE



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



Tilt cylinder boots protect tilt cylinder and oil seals from the environment, prolonging cylinder life.



An enlarged step allows the operator to safely and easily get on and off the forklift.

A LED signal lights improve safety, last a long time and are very durable.

B LED rear work light provides excellent visibility while backing up.

C Blue LED light projects a blue beam onto the floor to warn pedestrians.

D LED strobe flashes while operating the vehicle to alert others in the area.

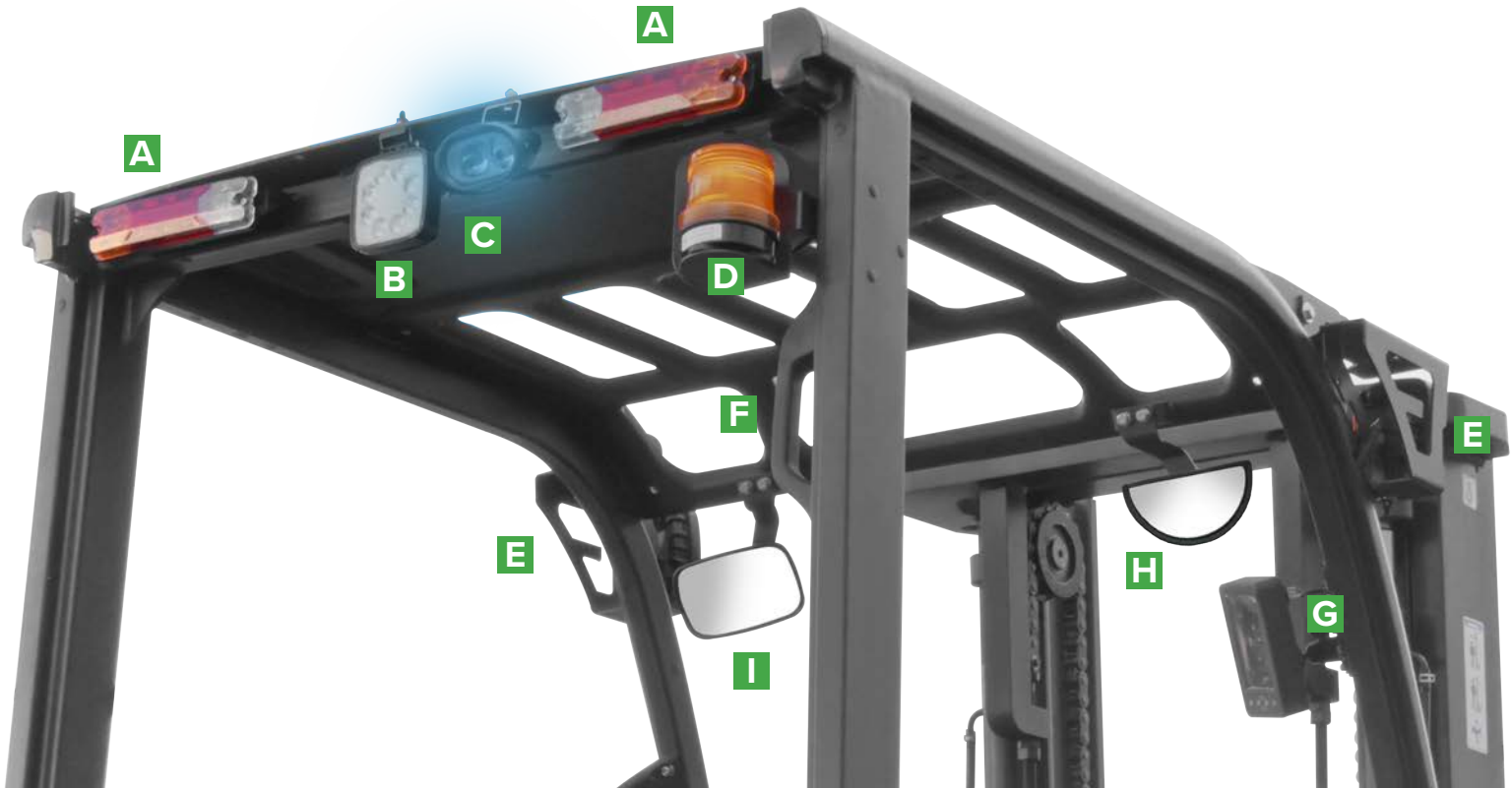
E LED headlights brighten dimly lit areas for optimal visibility.

F Rear grab bar with horn provides easy horn operation while traveling in reverse.

G Frame-mounted LCD display mounted in the operator's line of sight.

H Panoramic rear-view mirror gives the operator a wider rear visibility.

I Wide angle mirror.



SUPERIOR DESIGN AND PERFORMANCE



Adjustable steering column to ensure operator comfort throughout the entire shift.



Large diameter cushion tires ensure comfortable driving for outdoor and indoor use.



Suspended brake pedal gives operator comfort throughout the entire work shift while reducing operator fatigue.



USB connector for charging and powering of additional devices during operations.



Cup and Pen holder provide convenience for operator.



Gain rapid access to engine and other components with an air spring assisted engine cover and integrated hood lock.

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



APPLICATIONS



Beverage & Food Distribution / Warehousing
Cold Storage Applications
E-commerce Fulfillment
Manufacturing & Precision Machining
Freight Terminals and Cross-Docking

OMEGA Li ADVANTAGES



Automatic decelerating while turning, improves safety and stability, while preventing product damage.



Battery allows for multiple shift operation.



Easily check truck's condition and troubleshoot with CAN-bus technology.

LONG LASTING AND SAFE LITHIUM POWER

NOBLELIFT uses LiFePO4 chemistry, the longest lasting and safest lithium battery chemistry available. Our lithium batteries are equipped with a Battery Management System (BMS), thermal management system, and an automotive-grade DC high-voltage control system. BMS manages charging and discharging data to ensure safety throughout its life cycle.

OMEGA 50-65 Li forklifts have a 10 year or 20,000 hour warranty on the on the lithium battery cells.

10 YEAR WARRANTY

ADVANTAGES OF LITHIUM POWER

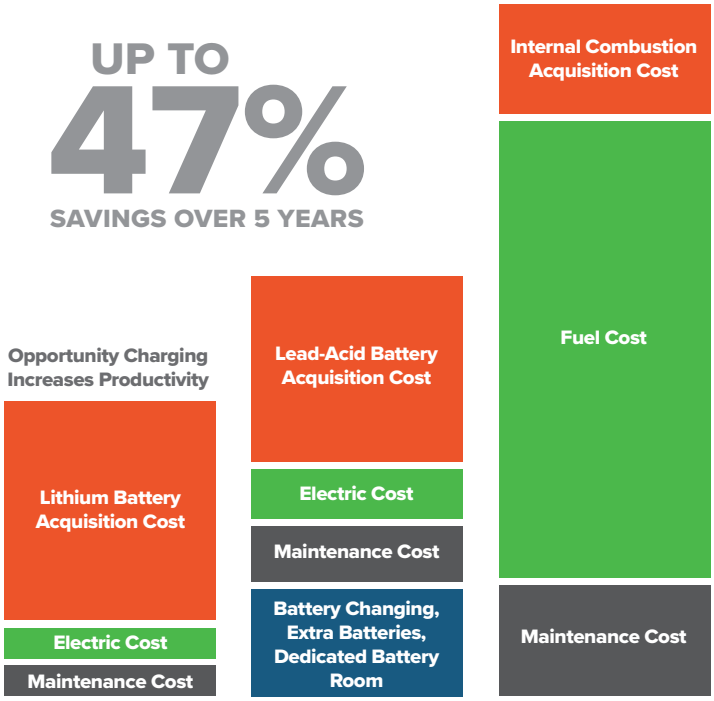


REMA/ Anderson plug-in

Fast-charging maintenance-free Lithium battery can be fully charged in 2 hours. Battery can be opportunity charged during user breaks and during shift changes which allows the truck to run continuously through multi-shift operations. No battery changes are necessary.

TOTAL COST OF OWNERSHIP

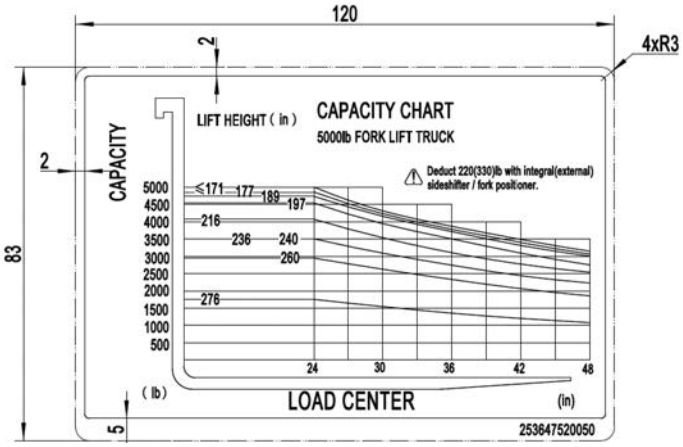
UP TO **47%** SAVINGS OVER 5 YEARS

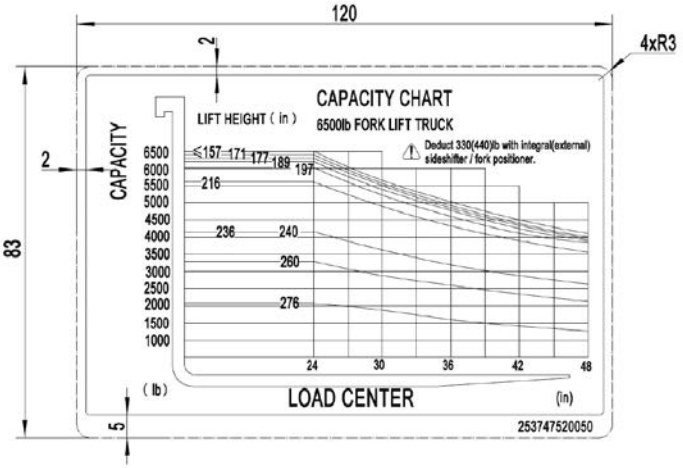


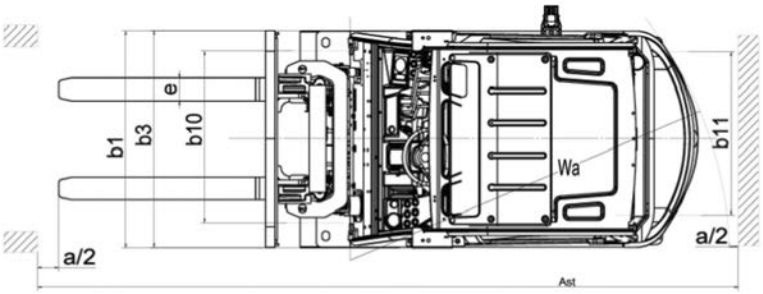
LITHIUM BATTERY ADVANTAGES

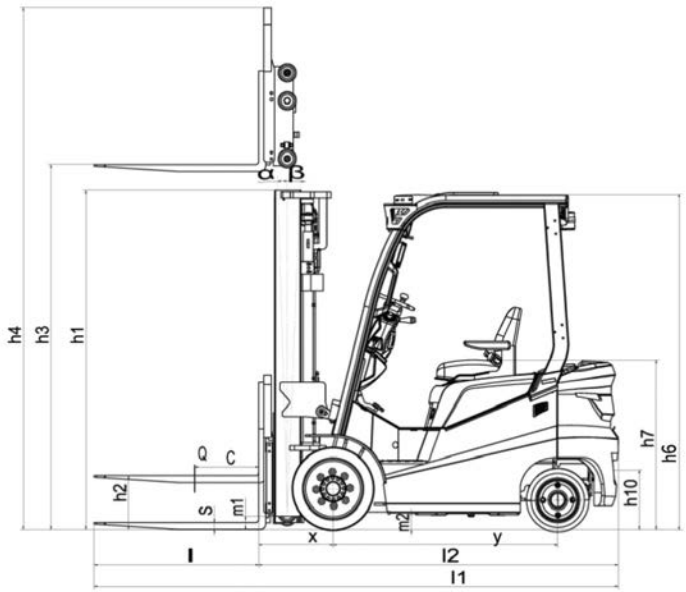
Lead-Acid Battery		Lithium Battery
Lower fleet availability - Work is interrupted because battery needs to be fully charged before next use	Productivity - Memory Effect	100% Fleet availability - Opportunity charging allows battery to be charged in between use
Periodic battery replacement	Service Life	Batteries last 3 times longer and do not need to be replaced
Outsourced or in-house maintenance personnel required	Ongoing Maintenance	No maintenance cost
8-10 Hours - 2 or more batteries per lift truck	Charge Duration	2 Hours - 1 Battery per lift truck
Build an expensive battery room with ventilation	Battery Room	No battery room needed
Releases hydrogen while charging - Can result in explosion - Acid burns can happen during maintenance	Dangerous Substances	No dangerous substances
Power loss	Power Savings	No power loss - Reduces energy consumption by 35%

Mast Table OMEGA 50-65 Li												
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 attachment	
	OMEGA 50 Li	OMEGA 65 Li	OMEGA 50 Li	OMEGA 65 Li	OMEGA 50 Li	OMEGA 65 Li	OMEGA 50 Li	OMEGA 65 Li	OMEGA 50 Li	OMEGA 65 Li	OMEGA 50 Li	OMEGA 65 Li
Two-stage ZT	98.4	98.4	4.9	5.3	69.7	69.7	137.2	142.8	6 / 8	6 / 8	5,000	6,500
	118.1	118.1	4.9	5.3	79.5	79.5	156.9	162.5	6 / 8	6 / 8	5,000	6,500
	129.9	129.9	4.9	5.3	85.4	85.4	168.7	174.3	6 / 8	6 / 8	5,000	6,500
	137.8	137.8	4.9	5.3	89.3	89.3	176.6	182.2	6 / 8	6 / 8	5,000	6,500
	145.7	145.7	4.9	5.3	93.3	93.3	184.5	190.1	6 / 8	6 / 8	5,000	6,500
	157.5	157.5	4.9	5.3	101.2	101.2	196.3	201.9	6 / 6	6 / 6	5,000	6,500
	169.3	169.3	4.9	5.3	107.1	107.1	208.1	213.7	6 / 6	6 / 6	5,000	6,410
	177.2	177.2	4.9	5.3	111.0	111.0	216.0	221.6	6 / 6	6 / 6	4,910	6,350
	196.9	196.9	4.9	5.3	120.8	120.8	235.7	241.3	6 / 6	6 / 6	4,580	6,050
Two-stage ZZ	98.4	98.4	32.4	27.0	69.7	69.7	137.2	142.8	6 / 8	6 / 8	5,000	6,500
	118.1	118.1	42.3	36.9	79.5	79.5	156.9	162.5	6 / 8	6 / 8	5,000	6,500
	129.9	129.9	48.2	42.8	85.4	85.4	168.7	174.3	6 / 8	6 / 8	5,000	6,500
	137.8	137.8	52.1	46.7	89.3	89.3	176.6	182.2	6 / 8	6 / 8	5,000	6,500
	145.7	145.7	56.1	50.7	93.3	93.3	184.5	190.1	6 / 8	6 / 8	5,000	6,500
	157.5	157.5	63.9	58.5	101.2	101.2	196.3	201.9	6 / 6	6 / 6	5,000	6,500
Three-stage DZ	157.5	157.5	39.3	33.9	76.6	76.6	196.3	201.9	6 / 6	6 / 6	5,000	6,500
	171.3	171.3	44.3	38.9	81.5	81.5	210.1	215.7	6 / 6	6 / 6	5,000	6,390
	177.2	177.2	46.2	40.8	83.5	83.5	216.0	221.6	6 / 6	6 / 6	4,890	6,300
	189.0	189.0	50.6	44.8	87.4	87.4	227.8	233.4	6 / 6	6 / 6	4,740	6,190
	196.9	196.9	55.8	50.4	93.0	93.0	235.7	241.3	6 / 6	6 / 6	4,540	6,040
	216.5	216.5	65.0	59.6	102.2	102.2	255.4	260.9	6 / 6	6 / 6	4,050	5,640
	236.2	236.2	74.2	68.8	111.4	111.4	275.0	280.6	6 / 6	6 / 6	3,520	4,180
Four-stage DZ	240.2	240.2	46.8	41.4	84.1	84.1	279.0	284.6	3 / 5	3 / 6	3,520	4,180
	259.8	259.8	51.7	46.3	89.0	89.0	298.7	304.3	3 / 5	3 / 6	2,970	3,300
	275.6	275.6	58.0	52.6	95.3	95.3	314.4	320.0	3 / 5	3 / 6	1,760	2,090









Identification				
1.1	Manufacturer		NOBLELIFT	
1.2	Model		OMEGA 50 Li	OMEGA 65 Li
1.3	Drive (electric – battery or mains, diesel, petrol, gas, manual)		Lithium	
1.4	Type of operation (hand, pedestrian, standing, seated, order picker)		Seated forklift	
1.5	Load capacity / rated load	Q (lb)	5,000	6,500
1.6	Load center distance	C (in)	24	
1.8	Load distance, center of drive axle to fork	x (in)	19	
1.9	Wheel base	y (in)	57.5	
Weights				
2.1	Service weight including engine (see line 6.5)	lb	9,487	10,749
2.2	Axle loading, laden front / rear	lb	12,705 / 2,200	15,770 / 1,938
2.3	Axle loading, unladen front / rear	lb	3,465 / 5,940	6,872 / 3,877
Wheels, Chassis				
3.1	Tires (solid rubber, superelastic, pneumatic, polyurethane)		Solid rubber	
3.2	Tire size, front		21x7-15	21x8-15
3.3	Tire size, rear		16x6-10.5	
3.5	Wheels, number front / rear (x = driven wheels)		2x / 2	
3.6	Track width, front	b10 (in)	37.7	36.9
3.7	Track width, rear	b11 (in)	36.3	
Basic Dimensions				
4.1	Mast / fork carriage tilt forward / backward	a/b (°)	6 / 8	
4.2	Lowered mast height	h1 (in)	80.9	
4.3	Free lift	h2 (in)	5.3	
4.4	Lift height	h3 (in)	118.1	
4.5	Extended mast height	h4 (in)	162.5	
4.7	Overhead load guard (cab) height	h6 (in)	84.8	
4.8	Seat height / standing height	h7 (in)	41.3	
4.12	Coupling height	h10 (in)	15.1	
4.19	Overall length	l1 (in)	134.1	136.9
4.20	Length to face of forks	l2 (in)	92	94.7
4.21	Overall width	b1 (in)	44.7	
4.22	Fork Dimensions	s/e/l (in)	1.6 / 4.7 / 42.1	1.6 / 4.9 / 42.1
4.24	Fork carriage width	b3 (in)	40.9	43.3
4.31	Ground clearance, under mast, laden	m1 (in)	3.58	
4.32	Ground clearance, center of wheelbase	m2 (in)	4	
4.33	Right angle stack with 40x48 pallet	Ast (in)	133.4	137.6
4.34	Right angle stack with 32x48 pallet	Ast (in)	141.3	145.4
4.35	Turning radius	Wa (in)	82.3	84.6
Performance Data				
5.1	Travel speed, laden / unladen	mph	9.3 / 9.9	9.3 / 9.3
5.2	Lift speed, laden / unladen	fpm	98.4 / 126	102 / 108.3
5.3	Lowering speed, laden / unladen	fpm	<118	
5.5	Max. Drawbar pull, laden / unladen	lbf	7,260 / 5,060	8,360 / 6,160
5.7	Max. Gradient performance, laden / unladen	%	15 / 16	
5.10	Service brake		Hydraulic	
E-Motor				
6.1	Drive motor rating S2 60 min	hp	21.4	
6.2	Lift motor rating S3 15 min	hp	37.53	
6.3	Battery standard		Lion	
6.4	Battery voltage, nominal capacity K5	V/Ah	76.8/206 (277/412/554)	
6.5	Battery weight	lb	528	
6.6	Battery dimensions l / w / h	in	28.3 / 23.6 / 20.3	
Other				
8.1	Type of drive control		AC	
8.2	Operating pressure for attachments	psi	2,538	
8.3	Oil volume for attachments	l/min	570	
8.4	Sound level at driver's ear according to EN 12 053	dB	73	

NOBLELIFT reserves the right to make technical changes and improvements to our products to maintain or enhance the quality, delivery, and efficiency.

A GLOBAL LEADER

NOBLELIFT is a global leader in Lithium 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, rough terrain forklifts, narrow aisle forklifts, walkie-stackers, order pickers, electric pallet trucks, scissor lifts, tuggers, tow tractors, scrubbers/sweepers, lift tables, manual pallet jacks and more.



FORKLIFTS



NARROW AISLE



STACKERS



POWERED PALLET TRUCKS



SCISSOR LIFTS



TUGGERS



SCRUBBERS

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