

LITHIUM

ALPHA 50-70 Li
5,000 - 7,000 lbs. Capacity
Li-ion Pneumatic Forklift

LPG

ALPHA 50-70 LPG
5,000 - 7,000 lbs. Capacity
LPG Pneumatic Forklift



-  Lithium-ion Battery
-  CAN-bus
-  Low noise
-  Capacity 5000-7000lb
-  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

- ▶ Powerful high quality permanent magnet motor
- ▶ 4-Way proportional hydraulics to carriage
- ▶ On-demand fully hydrostatic power steering (FHPS)
- ▶ Side shift
- ▶ Intelligent buffering
- ▶ 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
- ▶ Tilt cylinder boots
- ▶ Automatic speed reduction in turns
- ▶ CAN-bus communications system
- ▶ On-board self-diagnostics
- ▶ Lithium battery with REMA connector provides multiple shift operation
- ▶ Integral 110V built-in charger (external charger optional)
- ▶ Fast charging 2-3 hours

ALPHA 50-70 Li **5,000 - 7,000 lbs. Capacity** Li-ion Pneumatic Forklift

The ALPHA Li Series are highly efficient, durable Lithium forklifts. They are designed for indoor and outdoor applications. The mast system, front/rear axles and chassis are engineered to be tough like an Internal Combustion forklift, but with all the advantages of Lithium. A permanent magnet motor is used to achieve high performance with low operating and maintenance costs. Greatly increase your work productivity with these quiet, very low maintenance, ultra-smooth, lithium forklifts.

HIGHLIGHTS

- ▶ Powerful Kubota engine
56.2 HP/2,600 rpm
- ▶ 4-Way hydraulics to carriage
(proportional hydraulics - optional)
- ▶ On-demand fully hydrostatic
power steering (FHPS)
- ▶ Side shift
- ▶ Intelligent buffering
- ▶ 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
- ▶ Tilt cylinder boots
- ▶ Swing-out LPG tank
- ▶ Meets EPA Tier 2 / CARB Tier
3 and EU Stage V emission
regulations for engine exhaust
emissions

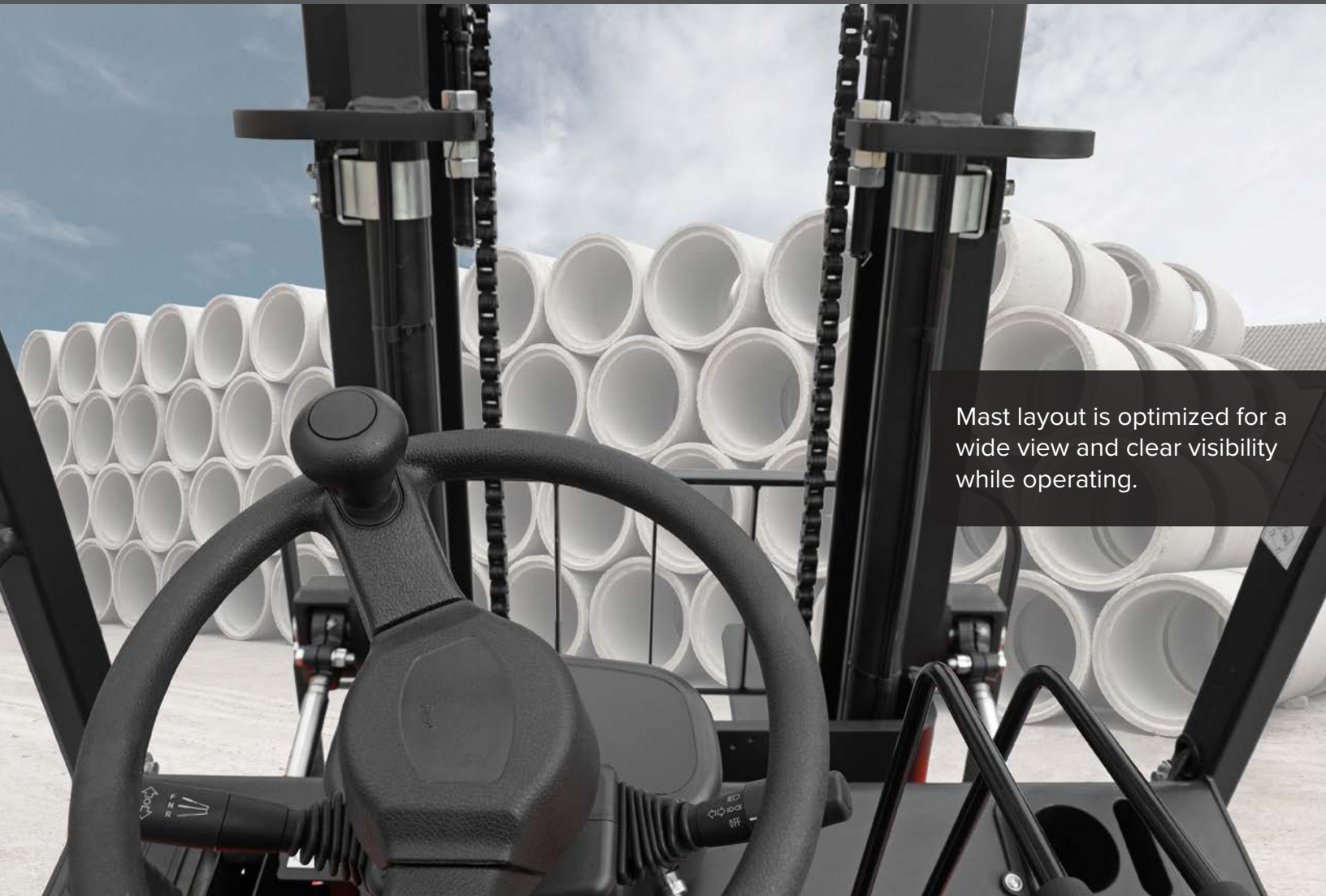


The ALPHA LPG Series is the same forklift but with a Kubota LPG engine, allowing you to choose the power source that best fits your operation without sacrificing performance, comfort or familiarity. This minimizes spare parts inventory, reducing service and maintenance costs.

Future lithium conversion kits will present the opportunity for ALPHA LPG forklifts to be upgraded to lithium power, extending their operational lifespan.

ALPHA 50-70 LPG
5,000 - 7,000 lbs. Capacity
LPG Pneumatic Forklift

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.

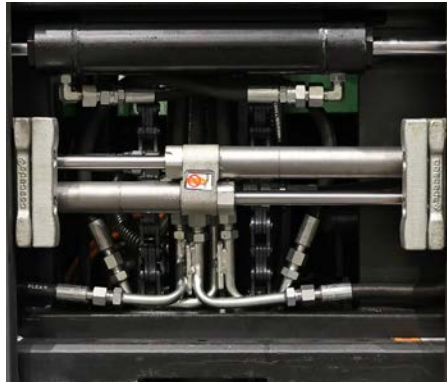


On-Demand Fully Hydrostatic Power Steering (FHPS) guarantees smooth steering, preventing over-run and kick-back. Spinner knob allows easier one-handed steering.

SUPERIOR DESIGN AND PERFORMANCE



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.



Cast axles increase the bearing load and improve the truck structure, while prolonging vehicle service life.



Travel Speed Up To 12.4 mph



Gradeability / Full Load



Fast Lifting Speed Up To 118 ftn

SUPERIOR DESIGN AND PERFORMANCE



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.



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

A LED headlights brighten dimly lit areas for optimal visibility.

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

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

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

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

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

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

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

I Dual wide angle mirrors (optional - not shown).



SUPERIOR DESIGN AND PERFORMANCE



Large diameter, solid pneumatic tires ensure comfortable driving for outdoor and indoor use.



Optimized pedal position 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. Hood opens 80 degrees to allow for complete access.

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



Manufacturing and Production
Building Materials and Construction Supply
Warehousing, Distribution and Logistics
Lumber, Metal and Heavy Industrial Products
Freight Terminals and Cross-Docking

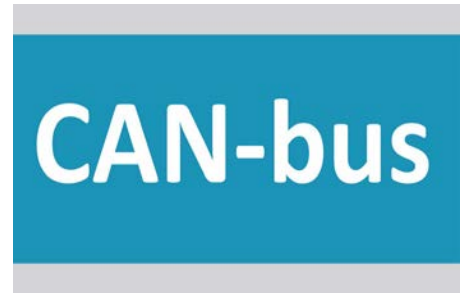
ALPHA Li ADVANTAGES



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.

ALPHA 50-70 Li forklifts have a 10 year or 20,000 hour warranty on the on the lithium battery cells.



ADVANTAGES OF LITHIUM POWER

80 VOLT



REMA/
Anderson
plug-in

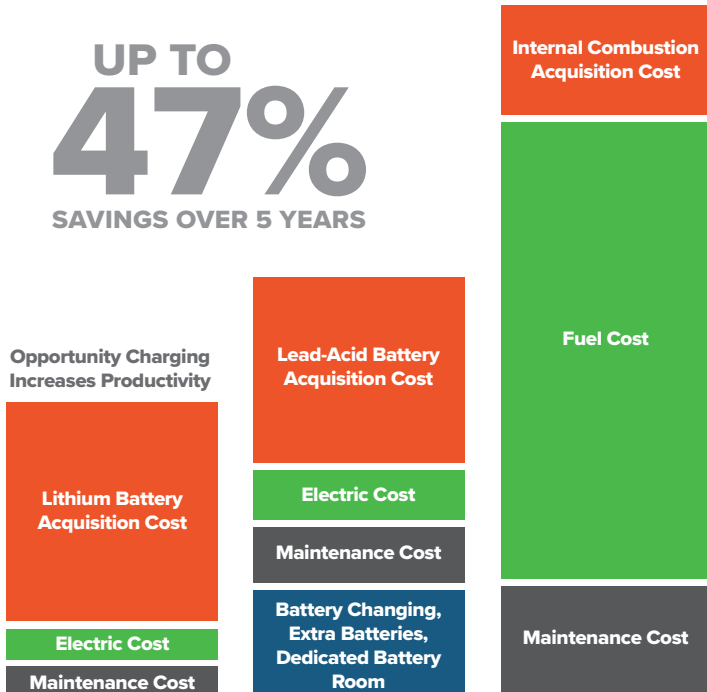
Fast-charging maintenance-free Lithium battery can be fully charged in 2-3 hours. Battery can be opportunity charged during user breaks and during shift changes which allows the truck to run continuously through multi-shift operations. No battery changes are necessary.

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 	2-3 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%

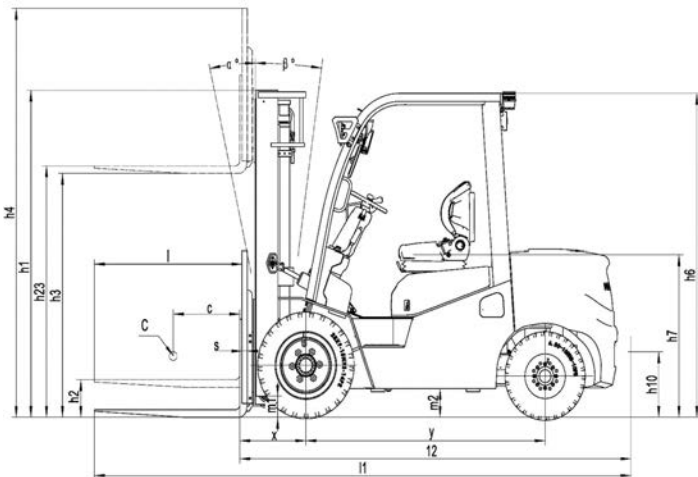
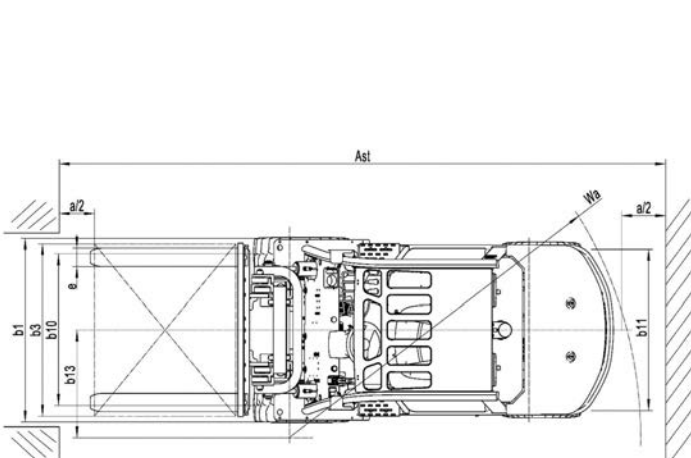
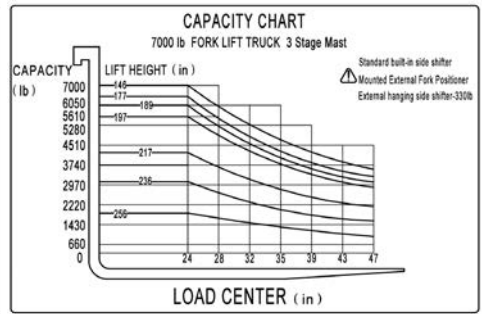
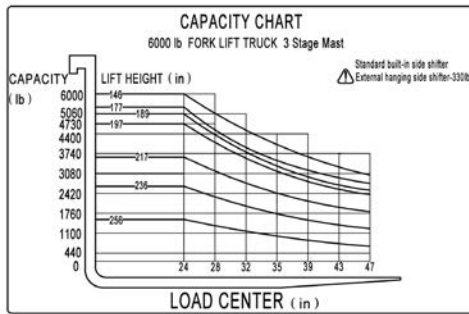
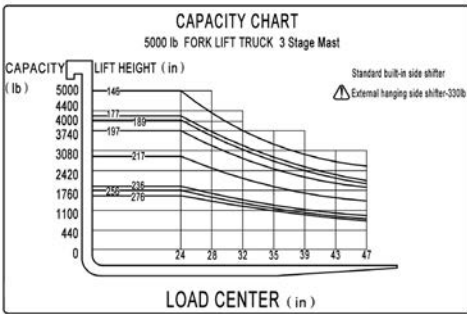
TOTAL COST OF OWNERSHIP

UP TO
47%
SAVINGS OVER 5 YEARS



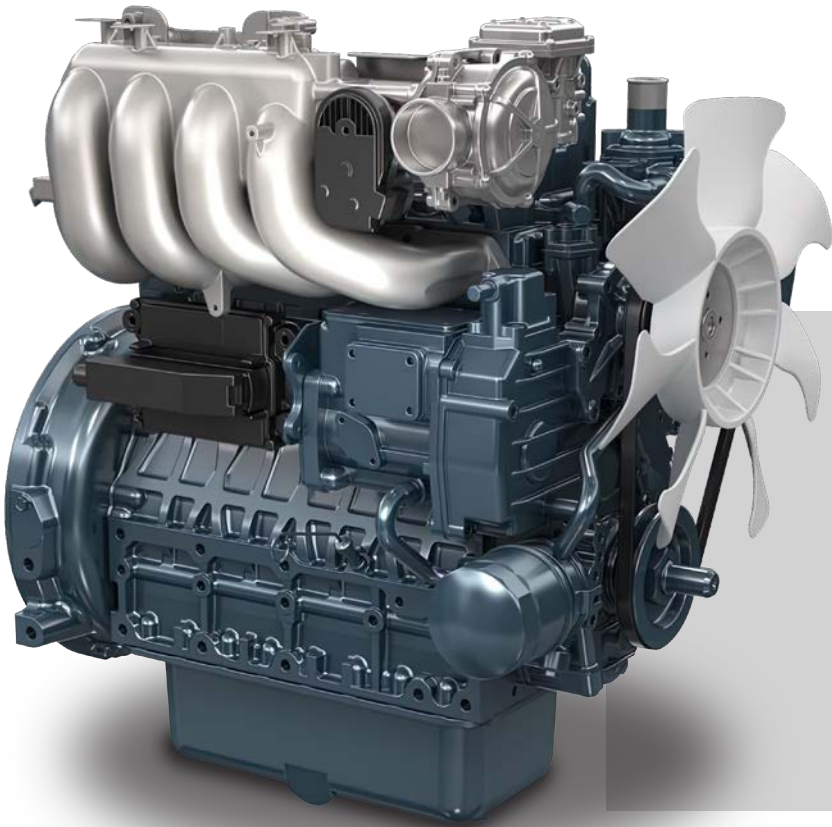
Mast Table ALPHA 50-70 Li

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		
		50 Li	60 Li	70 Li	50 Li	60 Li	70 Li	50 Li	60 Li	70 Li	50 Li	60 Li	70 Li	50 Li	60 Li	70 Li
Two-stage ZT	79	5.5	5.7	5.9	64	61	66	120	122	122	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	98	5.5	5.7	5.9	69	71	76	140	142	142	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	106	5.5	5.7	5.9	73	75	80	147	150	150	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	118	5.5	5.7	5.9	79	81	85	159	162	162	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	130	5.5	5.7	5.9	84	87	91	171	173	173	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	138	5.5	5.7	5.9	88	91	95	179	181	181	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	142	5.5	5.7	5.9	92	95	97	183	185	185	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	146	5.5	5.7	5.9	94	97	99	187	189	189	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	150	5.5	5.7	5.9	96	99	101	191	193	193	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	157	5.5	5.7	5.9	102	105	107	199	201	201	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	169	5.5	5.7	5.9	108	110	113	210	213	213	6 / 6	6 / 6	6 / 6	4,620	6,000	7,000
	177	5.5	5.7	5.9	112	114	117	218	221	221	6 / 6	6 / 6	6 / 6	4,400	6,000	6,820
	189	5.5	5.7	5.9	118	120	123	230	232	232	6 / 6	6 / 6	6 / 6	3,960	5,940	6,380
	197	5.5	5.7	5.9	122	124	127	238	240	240	6 / 6	6 / 6	6 / 6	3,740	5,610	6,160
217	5.5	5.7	5.9	132	134	137	258	260	260	3 / 6	3 / 6	3 / 6	3,300	4,950	5,170	
236	5.5	5.7	5.9	142	144	146	277	280	280	3 / 6	3 / 6	3 / 6	2,530	3,410	3,850	
Two-stage FFL	98	30	33	33	71	78	78	140	143	143	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	106	34	37	37	75	82	82	147	150	150	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	118	38	41	41	79	86	86	159	162	162	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	130	44	49	49	85	94	94	171	174	174	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	142	50	55	55	91	100	100	183	186	186	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
157	59	63	63	101	108	108	199	202	202	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000	
Three-stage FFL	157	36	38	38	77	83	83	199	202	202	6 / 6	6 / 6	6 / 6	4,840	5,940	6,820
	169	40	42	42	81	82	82	211	213	213	6 / 6	6 / 6	6 / 6	4,620	5,720	6,600
	177	43	44	44	84	86	86	221	223	223	6 / 6	6 / 6	6 / 6	4,290	5,280	6,380
	189	46	48	48	88	94	94	231	233	233	6 / 6	6 / 6	6 / 6	4,070	5,060	6,050
	197	49	51	51	90	96	96	238	241	241	6 / 6	6 / 6	6 / 6	3,740	4,730	5,610
	217	56	57	57	97	103	103	258	261	261	3 / 6	3 / 6	3 / 6	2,860	3,630	4,180
236	64	64	64	105	109	109	278	280	280	3 / 6	3 / 6	3 / 6	1,870	2,640	3,080	



Identification					
1.1	Manufacturer		NOBLELIFT		
1.2	Model		ALPHA 50 Li	ALPHA 60 Li	ALPHA 70 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	6,000	7,000
1.6	Load center distance	C (in)	24		
1.8	Load distance, center of drive axle to fork	x (in)	18.3	18.9	19.1
1.9	Wheel base	y (in)	65	69	
Weights					
2.1	Service weight including engine	lb	8,250	9,460	10,120
2.2	Axle loading, laden front / rear	lb	12,100 / 1,650	14,340 / 1,720	15,990 / 1,830
2.3	Axle loading, unladen front / rear	lb	3,080 / 5,170	3,630 / 5,830	3,630 / 6,490
Wheels, Chassis					
3.1	Tires (solid rubber, superelastic, pneumatic, polyurethane)		Solid pneumatic		
3.2	Tire size, front		7-12-12PR	28x9-15-14PR	
3.3	Tire size, rear		6-9-10PR	6.50-10-10PR	
3.5	Wheels, number front / rear (x = driven wheels)		2x / 2		
3.6	Track width, front	b10 (in)	38	39	
3.7	Track width, rear	b11 (in)	39		
Basic Dimensions					
4.1	Mast / fork carriage tilt forward / backward	a/b (°)	6 / 12		
4.2	Lowered mast height	h1 (in)	79	81	85
4.3	Free lift	h2 (in)	5.5	5.9	
4.4	Lift height	h3 (in)	118		
4.5	Extended mast height	h4 (in)	158	162	
4.7	Overhead load guard (cab) height	h6 (in)	84	85	
4.8	Seat height / standing height	h7 (in)	41		
4.12	Coupling height	h10 (in)	16	17	
4.19	Overall length	l1 (in)	151	157	
4.20	Length to face of forks	l2 (in)	103	109	
4.21	Overall width	b1 (in)	45 / 46	47 / 48	
4.22	Fork Dimensions	s/e/l (in)	1.6 / 4.7 / 48	1.8 / 4.8 / 48	2 / 4.8 / 48
4.24	Fork carriage width	b3 (in)	41	43	
4.31	Ground clearance, under mast, laden	m1 (in)	4.7	5.5	
4.32	Ground clearance, center of wheelbase	m2 (in)	6.7	7.5	
4.33	Right angle stack with 40x48 pallet	Ast (in)	146.1	155.1	
4.34	Right angle stack with 32x48 pallet	Ast (in)	154.1	162.1	163.1
4.35	Turning radius	Wa (in)	89	96	
Performance Data					
5.1	Travel speed, laden / unladen	mph	11.2 / 11.8	11.8 / 11.8	
5.2	Lift speed, laden / unladen	fpm	98 / 114	102 / 110	79 / 110
5.3	Lowering speed, laden / unladen	fpm	79 / 83	75 / 81	
5.5	Max. Drawbar pull, laden / unladen	lbf	3,372 / 2,697	4,720 / 3,372	
5.7	Max. Gradient performance, laden / unladen	%	20 / 20		
5.10	Service brake		Hydraulic		
E-Motor					
6.1	Battery voltage, nominal capacity K5	V/Ah	76.8/150	76.8/205	
6.2	Battery weight	lb	240	290	
6.7	Battery charger	V	Built-in single phase 110		
7.1	Drive motor rating S2 60 min	HP	20	27	
7.2	Lift motor rating S3 15 min	HP	32	38	
7.3	Drive motor control mode		MOSFET/PMSM		
7.4	Lifting motor control mode		MOSFET/PMSM		
7.5	Controller type		ACM80R350-CE	SZ8744-DDNLZN-ZC02-UL	
Other					
10.1	Operating pressure for attachments	psi	2,683		
10.2	Oil volume for attachments	in3/min	3,050		
10.4	Hydraulic oil capacity	in3	3,660	4,270	
10.7	Sound level at driver's ear according to EN 12 053	dB	72	73	

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



Kubota Engine

56.2 HP/2,600 rpm

High Power Engine - Kubota WG Series

High performance, durability and excellent fuel efficiency.

Type: Inline 4

Model: WG2503-L-E3

Number of cylinders: 4

Bore x Stroke: 88mm x 102.4mm

Displacement: 2.491L / 152cu in

Rated output: 41.3(55.4hp)/2600kw/rpm

Rated torque: 178 Nm @ 2000 rpm

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



ENVIRONMENTALLY FRIENDLY



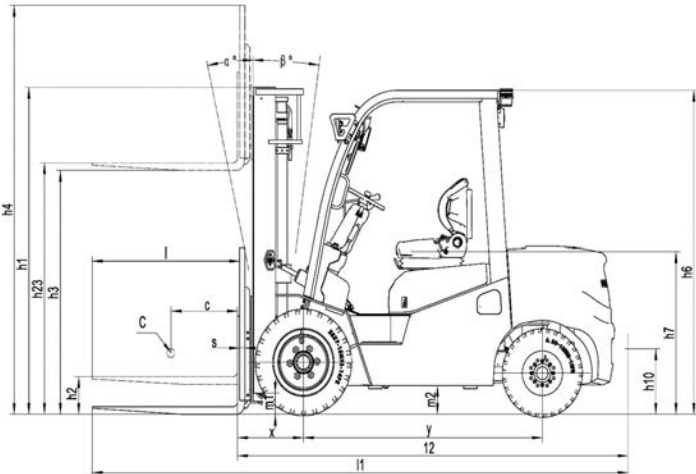
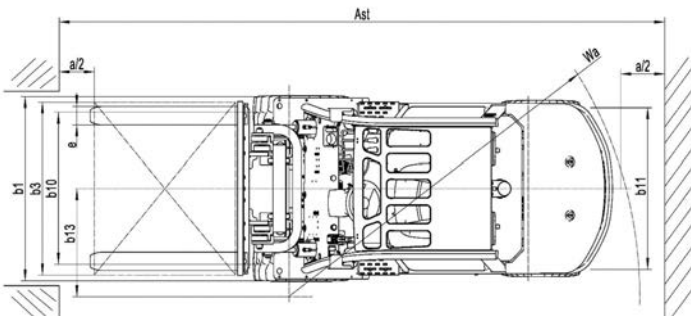
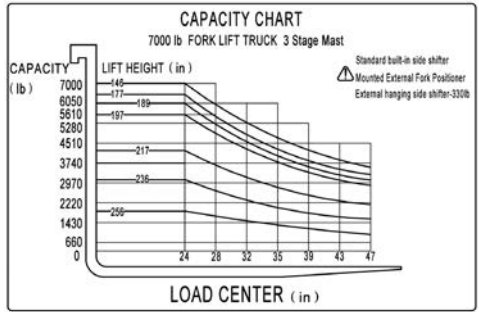
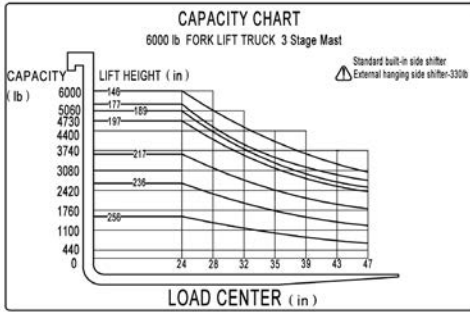
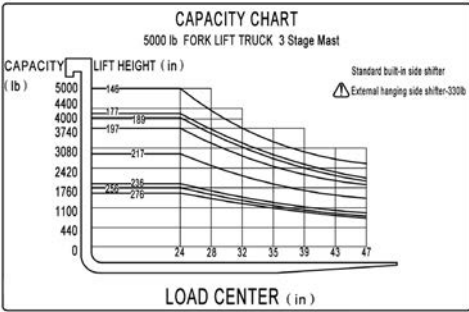
KUBOTA LPG engines meet the EPA Tier 2 / CARB Tier 3 and EU Stage V emission regulations for engine exhaust emissions.

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 ALPHA 50-70 LPG

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		
		50 LPG	60 LPG	70 LPG	50 LPG	60 LPG	70 LPG	50 LPG	60 LPG	70 LPG	50 LPG	60 LPG	70 LPG	50 LPG	60 LPG	70 LPG
Two-stage ZT	79	5.5	5.7	5.9	64	61	66	120	122	122	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	98	5.5	5.7	5.9	69	71	76	140	142	142	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	106	5.5	5.7	5.9	73	75	80	147	150	150	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	118	5.5	5.7	5.9	79	81	85	159	162	162	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	130	5.5	5.7	5.9	84	87	91	171	173	173	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	138	5.5	5.7	5.9	88	91	95	179	181	181	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	142	5.5	5.7	5.9	92	95	97	183	185	185	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	146	5.5	5.7	5.9	94	97	99	187	189	189	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	150	5.5	5.7	5.9	96	99	101	191	193	193	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	157	5.5	5.7	5.9	102	105	107	199	201	201	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	169	5.5	5.7	5.9	108	110	113	210	213	213	6 / 6	6 / 6	6 / 6	4,620	6,000	7,000
	177	5.5	5.7	5.9	112	114	117	218	221	221	6 / 6	6 / 6	6 / 6	4,400	6,000	6,820
	189	5.5	5.7	5.9	118	120	123	230	232	232	6 / 6	6 / 6	6 / 6	3,960	5,940	6,380
	197	5.5	5.7	5.9	122	124	127	238	240	240	6 / 6	6 / 6	6 / 6	3,740	5,610	6,160
217	5.5	5.7	5.9	132	134	137	258	260	260	3 / 6	3 / 6	3 / 6	3,300	4,950	5,170	
236	5.5	5.7	5.9	142	144	146	277	280	280	3 / 6	3 / 6	3 / 6	2,530	3,410	3,850	
Two-stage FFL	98	30	33	33	71	78	78	140	143	143	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	106	34	37	37	75	82	82	147	150	150	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	118	38	41	41	79	86	86	159	162	162	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	130	44	49	49	85	94	94	171	174	174	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
	142	50	55	55	91	100	100	183	186	186	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000
157	59	63	63	101	108	108	199	202	202	6 / 12	6 / 12	6 / 12	5,000	6,000	7,000	
Three-stage FFL	157	36	38	38	77	83	83	199	202	202	6 / 6	6 / 6	6 / 6	4,840	5,940	6,820
	169	40	42	42	81	82	82	211	213	213	6 / 6	6 / 6	6 / 6	4,620	5,720	6,600
	177	43	44	44	84	86	86	221	223	223	6 / 6	6 / 6	6 / 6	4,290	5,280	6,380
	189	46	48	48	88	94	94	231	233	233	6 / 6	6 / 6	6 / 6	4,070	5,060	6,050
	197	49	51	51	90	96	96	238	241	241	6 / 6	6 / 6	6 / 6	3,740	4,730	5,610
	217	56	57	57	97	103	103	258	261	261	3 / 6	3 / 6	3 / 6	2,860	3,630	4,180
236	64	64	64	105	109	109	278	280	280	3 / 6	3 / 6	3 / 6	1,870	2,640	3,080	



Identification					
1.1	Manufacturer		NOBLELIFT		
1.2	Model		ALPHA 50 LPG	ALPHA 60 LPG	ALPHA 70 LPG
1.3	Drive (electric – battery or mains, diesel, petrol, gas, manual)		LPG		
1.4	Type of operation (hand, pedestrian, standing, seated, order picker)		Seated forklift		
1.5	Load capacity / rated load	Q (lb)	5,000	6,000	7,000
1.6	Load center distance	C (in)	24		
1.8	Load distance, center of drive axle to fork	x (in)	18.3	18.5	19.1
1.9	Wheel base	y (in)	65.4	69.3	
Weights					
2.1	Service weight including engine	lb	8,360	9,570	10,340
2.2	Axle loading, laden front / rear	lb	12,250 / 1,610	14,410 / 1,760	16,240 / 1,840
2.3	Axle loading, unladen front / rear	lb	3,080 / 5,280	3,850 / 5,720	3,960 / 6,380
Wheels, Chassis					
3.1	Tires (solid rubber, superelastic, pneumatic, polyurethane)		Solid pneumatic		
3.2	Tire size, front		7-12-12PR	28x9-15-14PR	
3.3	Tire size, rear		6-9-10PR	6.50-10-10PR	
3.5	Wheels, number front / rear (x = driven wheels)		2x / 2		
3.6	Track width, front	b10 (in)	38.3	39.4	
3.7	Track width, rear	b11 (in)	38.6		
Basic Dimensions					
4.1	Mast / fork carriage tilt forward / backward	a/b (°)	6 / 12		
4.2	Lowered mast height	h1 (in)	78.5	80.9	85.4
4.3	Free lift	h2 (in)	5.5	5.7	5.9
4.4	Lift height	h3 (in)	118.1		
4.5	Extended mast height	h4 (in)	158.5	161.6	
4.7	Overhead load guard (cab) height	h6 (in)	83.9	84.6	
4.8	Seat height / standing height	h7 (in)	40.6	41.3	
4.12	Coupling height	h10 (in)	15.7	16.5	
4.19	Overall length	l1 (in)	145.6	151.2	153.7
4.20	Length to face of forks	l2 (in)	103.5	109.1	111.6
4.21	Overall width	b1 (in)	45.3 / 45.8	47.1 / 48.4	
4.22	Fork Dimensions	s/e/l (in)	1.6 / 4.7 / 48	1.8 / 4.8 / 48	2.0 / 4.8 / 48
4.24	Fork carriage width	b3 (in)	41	43.3	
4.31	Ground clearance, under mast, laden	m1 (in)	4.7	5.5	
4.32	Ground clearance, center of wheelbase	m2 (in)	6.7	7.5	
4.33	Right angle stack with 40x48 pallet	Ast (in)	147.1	154.7	157.3
4.34	Right angle stack with 32x48 pallet	Ast (in)	155.1	163.1	165.7
4.35	Turning radius	Wa (in)	89.4	96.5	98.8
Performance Data					
5.1	Travel speed, laden / unladen	mph	11.2 / 11.2	11.8 / 12.4	
5.2	Lift speed, laden / unladen	fpm	114 / 118	90 / 94	74 / 80
5.3	Lowering speed, laden / unladen	fpm	78.7 / 82.7	80.7 / 84.7	
5.5	Max. Drawbar pull, laden / unladen	lbf	4,946 / 2,923	5,171 / 3,830	
5.7	Max. Gradient performance, laden / unladen	%	25 / 20		
5.10	Service brake		Hydraulic		
Engine					
7.1	Model		Kubota WG2503-L		
7.2	Engine power rating ISO1585	HP	56.2		
7.3	Rated speed	rpm	2600		
7.4	Number of cylinders / displacement	in3	4 / 152		
7.5	Max. torque	ft-lb/rpm	126 / 1,800		
7.9	Nominal voltage	V	12		
7.10	Battery capacity	V/Ah	12/80		
Transmission					
8.1	Transmission type		Hydrodynamic		
8.2	Gear forward / backward		1 / 1		
8.3	Shifting mode		Hydraulic		
Other					
10.1	Operating pressure for attachments	psi	2,680		
10.2	Oil volume for attachments	in3/min	3,051		
10.4	Fuel tank volume	in3	3,661	4,271	

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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