
CLG2020/25A-SC

3-SERIES FORKLIFTS

Engine

ELECTRIC

Capacities

4,000-5,000 lb (2,000-2,500 kg)



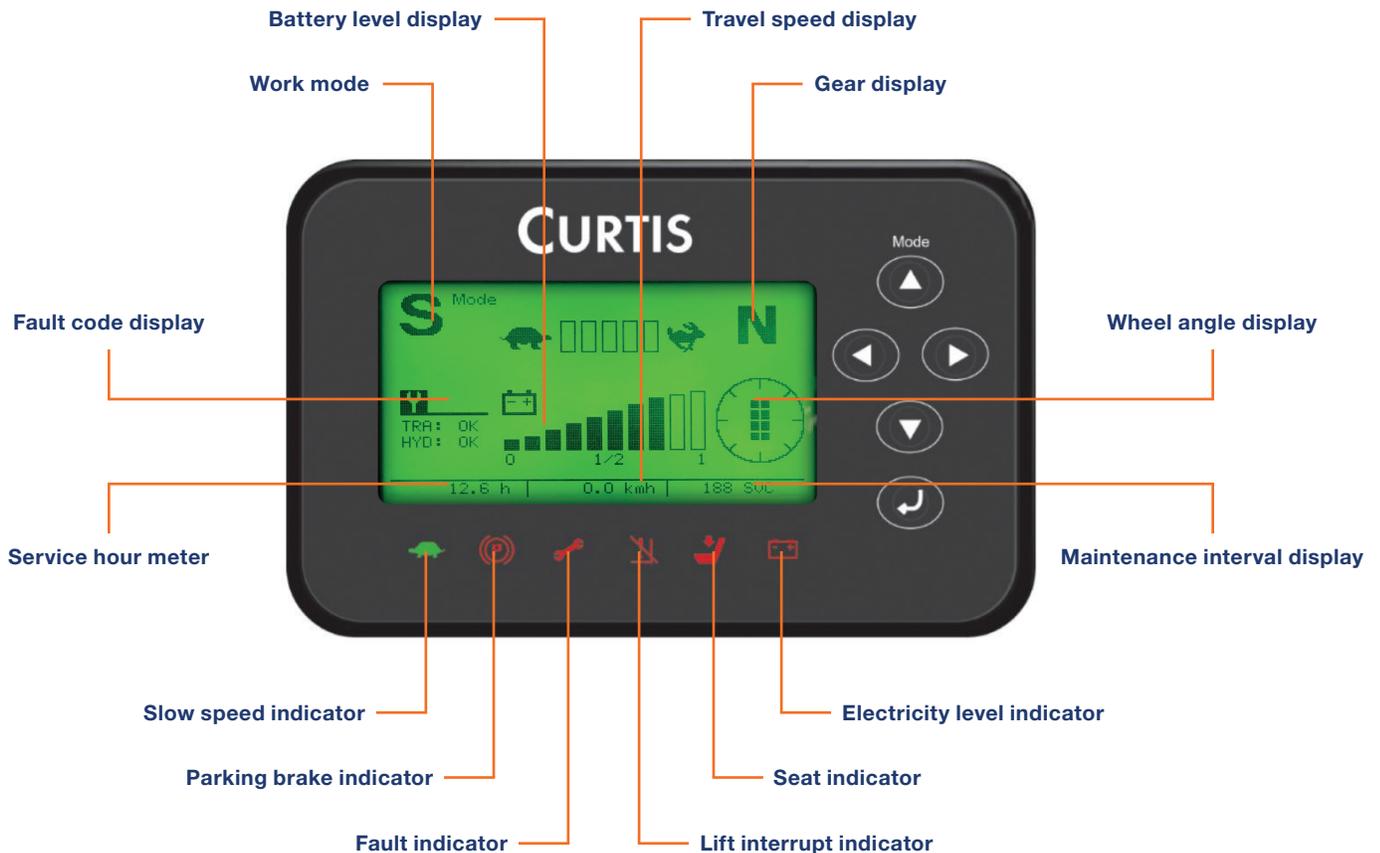
MODERN. ERGONOMIC. DURABLE. WELL SUPPORTED.

MODERN

The LiuGong 3-Series has the features and high performance that you've come to expect in a modern forklift. Our new aggressive styling reflects LiuGong's "DNA" going forward. These full-featured machines will exceed your productivity expectations!

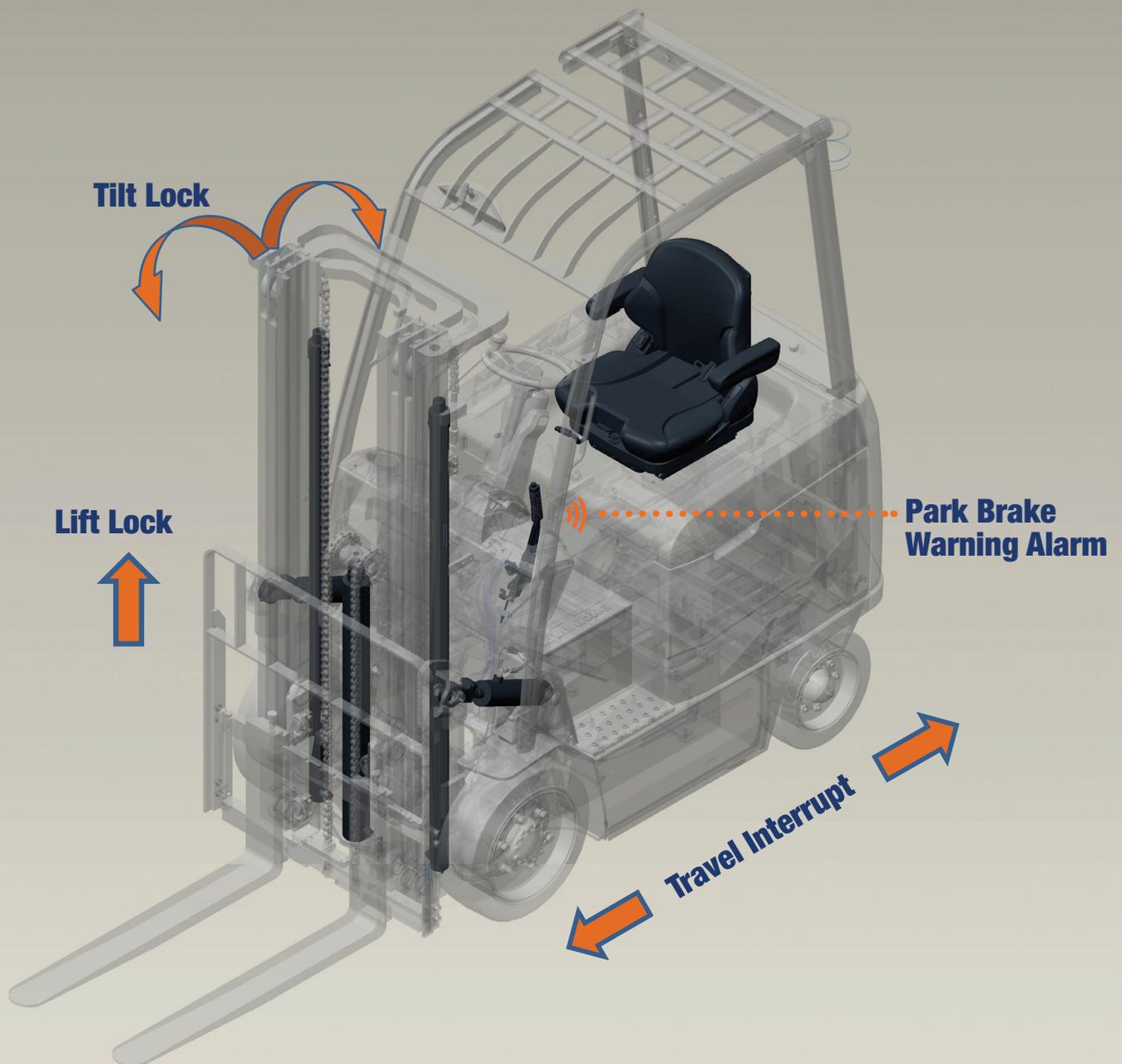
CURTIS MULTI-FUNCTION DISPLAY FEATURES:

- Selectable performance modes
 - E – Economy
 - S – Standard
 - H – High performance
- Direction indicator (F/N/R)
- Fault codes
- Battery charge level
- Steer wheel angle
- Service hour meter
- Travel speed
- Maintenance interval
- Turtle speed
- Park brake indicator
- Fault indicator
- Operator presence indicator
- Low battery indicator
- CANBus electrical system
- Onboard diagnostics
- Maintenance reminders
- LCD instrument panel
- Operator passcode feature
- Traveling speed limit



OPERATOR PRESENCE SENSING SYSTEM (OPS)

This system uses a switch sensor built into the operator's seat to detect the presence of the operator. In case the operator is not in the normal operating position, travel power is interrupted and load handling operations are stopped to prevent unintentional movements. A warning alarm will sound if the operator leaves the machine without engaging the park brake.



ERGONOMIC

LiuGong's customer driven design maximizes operator comfort and productivity.

Our goal is to have the most comfortable operator work space in the industry.



STEERING

Tilting steering column with auto-return to preferred position.
Small diameter steering wheel for easy control.



PARKING

Parking brake is easy to reach, easy to apply and release.



HANDLE

Easy to reach large grab handles on both sides.



STEPS

Wide and low access steps.



PREMIUM FULL SUSPENSION SEAT

Our premium seat provides maximum operator comfort with six different seat adjustments to suit most operator's preferences.



OPERATION

Ergonomic layout for comfortable operation.



REAR HANDLE

Rear handle with horn for safety.



VISIBILITY

Excellent visibility in all directions.

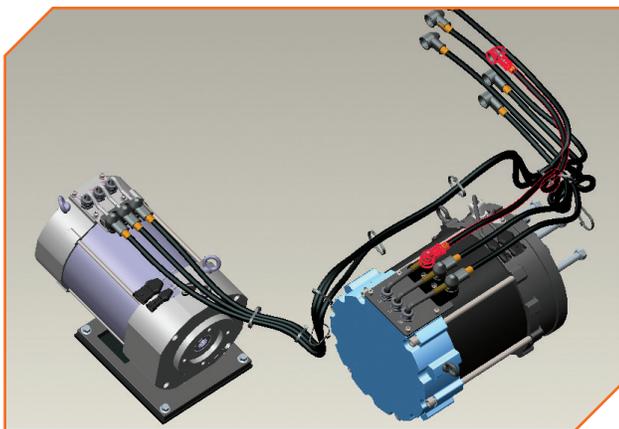
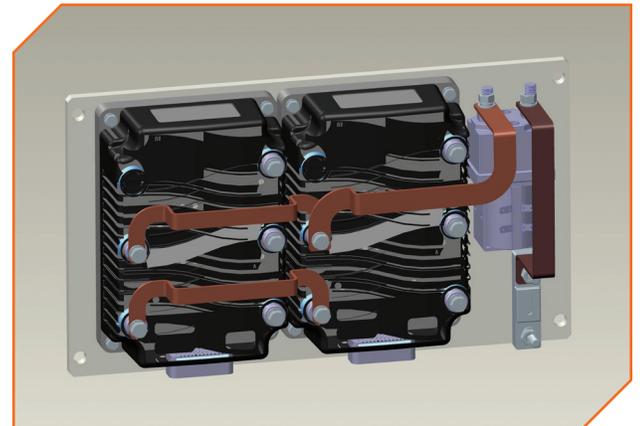


DURABLE

The 3-Series is **tough and durable**, using quality components and **innovative design**. The Curtis control system and AC traction and pump motors provide outstanding performance and high efficiency for extended run time. The 100% AC system reduces maintenance and increases up-time.

AC CONTROL SYSTEM

Curtis AC traction controller and AC pump controller provide proven reliability and performance.



AC BRUSHLESS MOTOR

AC traction motor and AC pump motor; both with temperature sensor for high temperature protection, brushless system for maintenance-free long life.

LEADING BRAND ATTACHMENT AND FORK

Cascade attachments and forks, the industry leader in America, feature high strength and durability.





IMPROVED BRAKE SYSTEM

Our new low effort brake system design minimizes exposure to contamination resulting in improved reliability. Larger surface brake pads provide enhanced performance.

LED LIGHTS

LED flood lights and LED rear combination lights provide long life and improved lighting.



STRONG OVERHEAD GUARD

Strong overhead tube can withstand top drop impact, while grid-type overhead guard provides improved visibility.

CHASSIS STEEL COVERS

Stamping battery hood and side panel, steel material, high strength protect chassis.



WELL SUPPORTED

LiuGong knows that **easy serviceability** and **aftersales** support is critical for maintaining machine uptime. The new 3-Series is designed for easy service access and quick diagnostics to ease maintenance and repair. Our factory trained dealer network, supported by LiuGong Regional Product Support Representatives, have the technical knowledge to keep your equipment operating at peak efficiency. These professionals are, in turn, supported by Technical Product Specialists at LiuGong North America HQ to support any issues which need additional attention. LiuGong North America also maintains a very **significant part stock** near Houston, Texas to quickly deliver the parts needed to support your operation.



Industry leading warranty (USA & Canada)

- 3 years / 6,000 hour comprehensive (full machine carriage to counterweight)
- Covers parts, labor and mileage
- Additional coverage up to 5 years / 10,000 hours is available

SERVICEABILITY

- Serviceability and daily checks are easy with the one-step column fold up and engine cover which opens 85 degrees. All daily checks are within easy reach of the operator and the floor plate can be easily removed if necessary.

STANDARD CONFIGURATION

POWER SYSTEM

- 36V/48V electrical system
- AC controller
- AC traction motor
- AC pump motor
- 350A connector

HYDRAULIC SYSTEM

- Low noise gear pump
- Absorb filter
- Return filter
- 3-way valve
- Valve with OPS control
- Hydrostatic steering
- Lift cylinder with downward buffer
- Cowl-mounted hydraulic controls

ELECTRIC SYSTEM

- Big screen digital instrument
- Work model select function
- OPS control function
- Electric directional shift control
- LED front head lights
- Rear combination lights
- Central control fuse box
- Seat right side emergency stop button
- Self-diagnostics
- Accelerator
- Electric horn
- Back up alarm

UNDERCARRIAGE

- High strength frame
- 1 piece counterweight
- Tow pin
- Smooth cushion drive tires
- Smooth cushion steer tires
- Control box panel
- High strength drive axle
- Draw bar pin
- 30.5 inch (775mm) battery compartment

OPERATION STATION

- Overhead guard
- Full suspension seat
- Adjustable steel battery hood
- Handle park brake
- Tilt steer column with memory feature
- Rear mirror
- Punched plate entry/exit steps
- Cup holder
- 300mm two-spoke steering wheel

MAST

- 3.0M (118") standard 2-stage mast
- 36.2 inch (920mm wide) class II carriage
- Load backrest
- 48 inch (1219mm) load backrest extension

OPTIONAL CONFIGURATION

POWER SYSTEM

- Lead acid batteries and chargers
- Lithium ion batteries and chargers

HYDRAULIC SYSTEM

- 4-way hydraulic control valve
- Cold storage oils

ELECTRIC SYSTEM

- Blue light
- Rear work light

UNDERCARRIAGE

- Battery side remove function
- Treaded cushion tires
- Non-marking tires
- Anti-static ground strap

OPERATION STATION

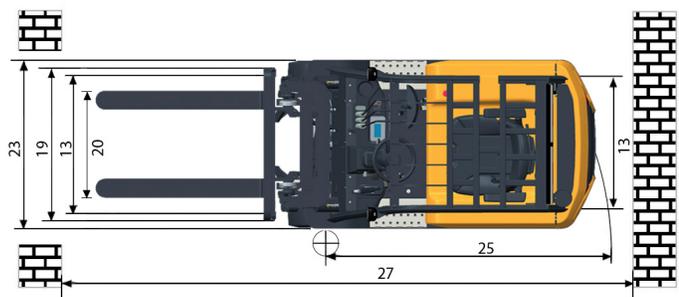
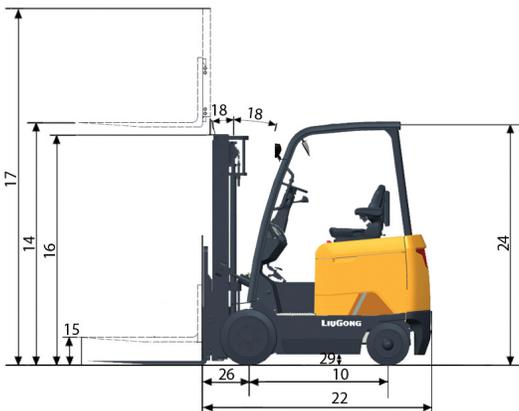
- Fire extinguisher
- Battery side pannel
- Head light protect guard
- Orange seat belt

MAST

- Wide-view full free lift 3-stage mast (FV)
- Length of fork optional
- Side shifter

SPECIFICATIONS

General	Model	1			CLG2020A-SC	CLG2025A-SC	
	Power Type	2			Electric	Electric	
	Base Capacity	3	@ rated load center	kg (lb)	2000 (4000)	2500 (5000)	
	Load Center	4		mm (in)	500 (24)	500 (24)	
Weights	Service Weight	5	unloaded	kg (lb)	4250 (9370)	4400 (9700)	
	Axle Load	6	loaded/unloaded, front	kg (lb)	5180/1730 (11420/3814)	6010/1700 (13250/3748)	
		7	loaded/unloaded, rear	kg (lb)	1150/2520 (2535/2556)	950/2700 (2094/5952)	
Tires	Tire Type	8			cushion	cushion	
	Wheels	9	front / rear		2/2	2/2	
	Wheelbase	10		mm (in)	1295 (51.0)	1295 (51.0)	
	Tire Size	11	front		21x7x15	21x7x15	
		12	rear		16x5x10.5	16x5x10.5	
	Tread Width	13	front/rear		890/920 (35.0/36.2)	890/920 (35.0/36.2)	
Mast	Maximum Fork Height	14	with std 2-stage mast	mm (in)	3000 (118.1)	3000 (118.1)	
	Freelift	15	with std 2-stage mast	mm (in)	140 (5.5)	140 (5.5)	
	Height, Upright Lowered	16	with std 2-stage mast	mm (in)	2130 (83.9)	2130 (83.9)	
	Height, Upright Extended	17	with std 2-stage mast	mm (in)	4090 (161.0)	4090 (161.0)	
	Mast Tilt, Forward/Back	18	with std 2-stage mast	deg	6°/8°	6°/8°	
		19	width	mm (in)	920 (36.2)	920 (36.2)	
	Fork Spread	20	minimum/maximum	mm (in)	244/904 (9.6/35.6)	244/904 (9.6/35.6)	
	Fork Dimension	21	T x W x L	mm (in)	40x122x1070 (1.6x4.8x42)	40x122x1070 (1.6x4.8x42)	
	Chassis	Length to Fork Face	22	with std 2-stage mast	mm (in)	2118 (83.4)	2118 (83.4)
		Overall Width	23		mm (in)	1080 (42.5)	1080 (42.5)
Overhead Guard Height		24		mm (in)	2235 (88.0)	2235 (88.0)	
Turning Radius		25	minimum outside	mm (in)	1850 (72.8)	1850 (72.8)	
Fork Overhang		26	with std 2-stage mast	mm (in)	425 (16.7)	425 (16.7)	
Right Angle Stack		27	add load length and clearance	mm (in)	3425 (134.8)	3425 (134.8)	
Ground Clearance		28	minimum loaded	mm (in)	75 (3.0)	75 (3.0)	
		29	center of wheelbase	mm (in)	100 (3.9)	100 (3.9)	
Battery Compartment		30	length/width/height	mm (in)	760/975/575 (29.9/38.4/22.1)	760/975/575 (29.9/38.4/22.1)	
Performance		Travel Speed	31	loaded/unloaded	km/h (mph)	18.5/18.5 (11.5/11.5)	18.5/18.5 (11.5/11.5)
	Lift Speed	32	loaded/unloaded	m/s (fpm)	0.45/0.64 (88/126)	0.40/0.64 (79/126)	
	Lower Speed	33	loaded/unloaded	m/s (fpm)	0.52/0.5 (102/98)	0.52/0.5 (102/98)	
	Maximum Drawbar Pull	34	5 min. rating	kg (lb)	1450 (3197)	1450 (3197)	
		35	60 min. rating	kg (lb)	/	/	
	Maximum Gradeability	36	5 min. rating	%	20	20	
Systems	Controllers	37	drive/hydraulic (make, type)		AC	AC	
	Motors	38	drive output (60 min. rating)	kw (hp)	14 (19.0)	14 (19.0)	
		39	hydraulic output (15 min. rating)	kw (hp)	18 (24.5)	18 (24.5)	
	Battery	40	type		Lead Acid	Lead Acid	
		41	voltage		36/48	36/48	
		42	max. capacity (6 hour rating)	Ah	715	715	
43		weight, minimum/maximum	kg (lb)	1089/1431 (2400/3155)	1089/1431 (2400/3155)		

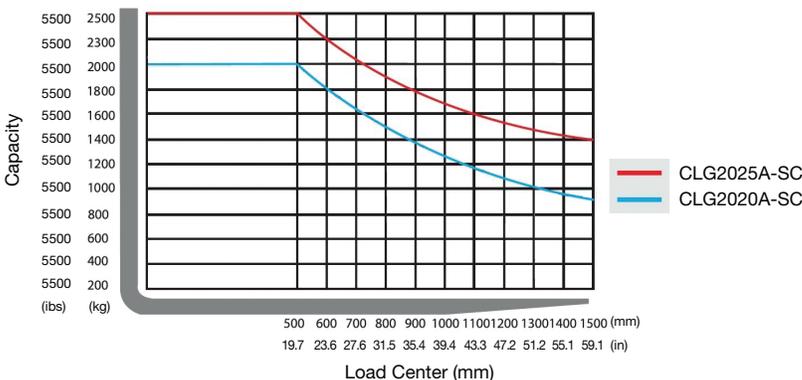




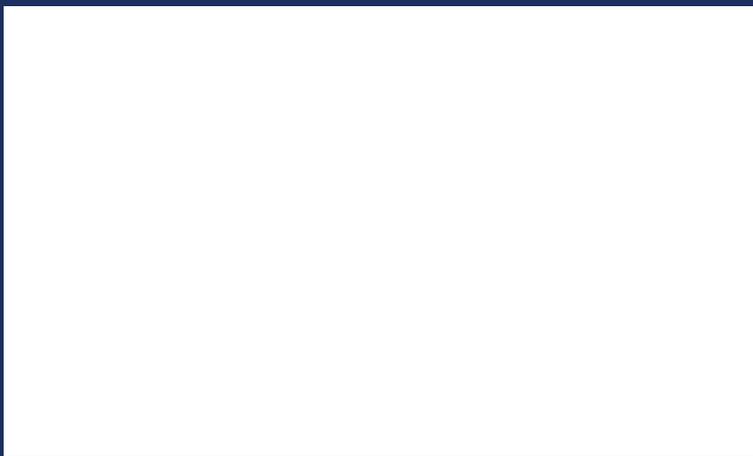
CAPACITY

Mast Type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)	Free Lift with Load Backrest	Mast Tilt Angle (F/B)	Rated Load Capacity				Total Weight with Standard Forks	
					with Standard Forks		with Sideshifter			
					2020A-SC	2025A-SC	2020A-SC	2025A-SC	2020A-SC	2025A-SC
	in (mm)	in (mm)	in (mm)	degree	ibs (kg) @ (24in \500mm LC)		ibs (kg) @ (24in \500mm LC)		ibs (Kg)	
Standard 2-Stage	118.1 (3000)	83.9 (2130)	5.5 (140)	6 / 12	4000 (2000)	5000 (2500)	4000 (2000)	5000 (2500)	7370 (3350)	8140 (3700)

Mast Type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)	Free Lift with Load Backrest*	Mast Tilt Angle (F/B)	Rated Load Capacity				Total Weight with Standard Forks	
					with Standard Forks		with Sideshifter			
					2020A-SC	2025A-SC	2020A-SC	2025A-SC	2020A-SC	2025A-SC
	in (mm)	in (mm)	in (mm)	degree	ibs (kg) @ (24in \500mm LC)		ibs (kg) @ (24in \500mm LC)		ibs (Kg)	
Full Free 3-Stage	177.2 (4500)	84.4 (2145)	42.8 (1087)	6 / 5	3946 (1790)	4905 (2225)	3726 (1690)	4519 (2050)	7826 (3550)	8444 (3830)
	185.0 (4700)	87.0 (2210)	44.7 (1135)	6 / 5	3946 (1790)	4850 (2200)	3682 (1670)	4464 (2050)	7915 (3590)	8532 (3870)
	196.9 (5000)	90.9 (2310)	49.5 (1257)	6 / 5	3417 (1550)	4740 (2150)	3186 (1445)	3913 (1775)	8036 (3645)	8653 (3925)
	216.5 (5500)	104.3 (2650)	58.1 (1477)	6 / 5	-	-	-	-	8223 (3730)	8840 (4010)
	236.2 (6000)	112.2 (2850)	71.1 (1807)	6 / 5	-	-	-	-	8366 (3795)	8984 (4075)



Note:
 Vertical axle stands for load capacity while horizontal axle stands for load center. Load center is the distance counted from the front of the fork. The base point of the standard load is the center point of the cubic with the same 1000mm (39.4in) dimension in length, width and height. The load capacity should be down if mast tilt forward or using non-standard forks of loading goods with extra width. Please realize the different load capacity between different load centers according to load chart.



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