

EQ Line

LITHION
BATTERY TECHNOLOGY



EQ LINE SPECIFICATIONS

SIT-ON TOW TRUCKS

36/48V, 3.0 - 6.0 TONNES

NTS300

NTS600

TOUGH LOAD LUGGERS

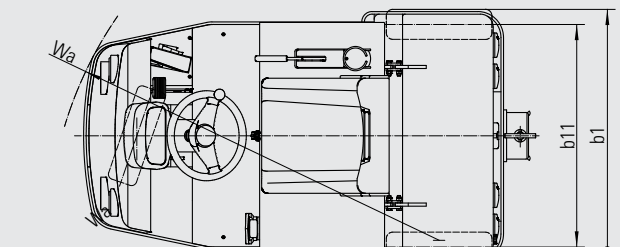
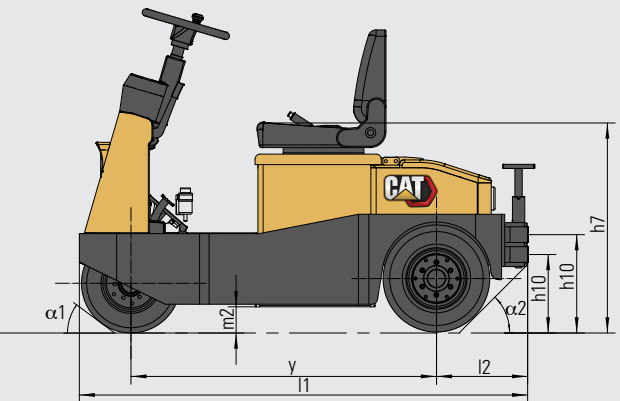
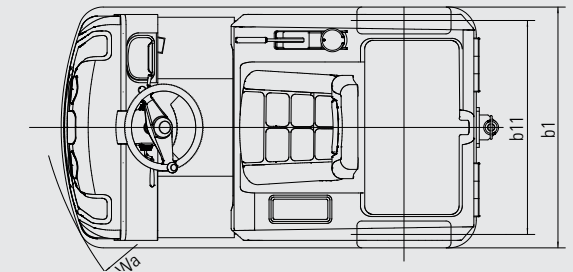
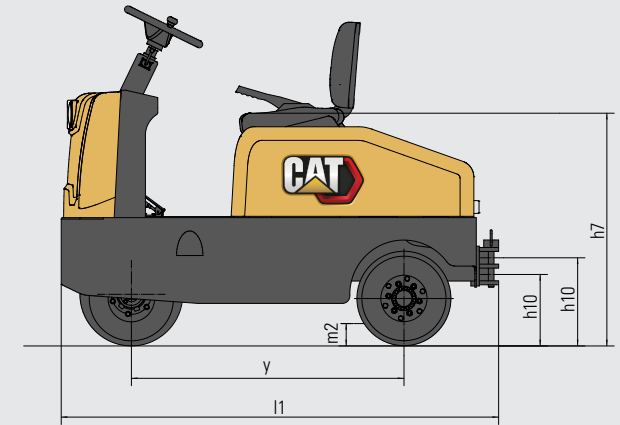
**LONG DISTANCES, HEAVY LOADS,
ROUGH CONDITIONS – NO PROBLEM**

These small but strong trucks can rapidly transport loads of up to 3.0 or 6.0 tonnes. They're tough, too. We build them to handle outdoor and indoor conditions, along with all the knocks and bumps of a busy workplace. At the same time, they offer your drivers day-long comfort – mile after mile.

CAT[®]

Characteristics			
1.1	Manufacturer		
1.2	Manufacturer's model designation		
1.3	Power source		
1.4	Operator type		
1.5	Load capacity	Q	(kg)
1.7	Rated drawbar pull	F	(N)
1.9	Wheelbase	y	(mm)
Weight			
2.1b	Truck weight without load, with maximum battery weight		kg
2.2	Axle loadings with nominal load & maximum battery weight, drive / load side		kg
2.3	Axle loadings without load & with maximum battery weight, drive / load side		kg
Wheels, Drive Train			
3.1	Tyres: PT=Power Thane, Vul=Vulkollan, P=Polyurethane, N=Nylon, R=Rubber drive/load side		
3.2	Tyre dimensions, drive side		(mm)
3.3	Tyre dimensions, load side		(mm)
3.5	Number of wheels, load/drive side (x=driven)		
3.7	Track width (centre of tyres), load side	b11	(mm)
Dimensions			
4.8	Seat- or stand height	h7	(mm)
4.12	Tow coupling height	h10	(mm)
4.19	Overall length	l1	(mm)
4.21	Overall width	b1	(mm)
4.32	Ground clearance at centre of wheelbase, (forks lowered)	m2	(mm)
4.35	Turning radius	Wa	(mm)
Performance			
5.1	Travel speed, with / without load		km / h
5.7	Gradeability, with / without load		m / s
5.10	Service brakes (mechanical / hydraulic / electric / pneumatic)		m / s
Electric motors			
6.1	Drive motor capacity (60 min. short duty)		kW
6.4	Battery voltage/capacity at 5-hour discharge		V / Ah
6.5	Battery weight		kg
Miscellaneous			
8.1	Type of drive control		
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ		dB (A)
10.7.2	Whole-body vibration (EN 13 059:2002)		
10.7.3	Hand-arm vibration (EN 13 059:2002)		

Cat Lift Trucks	Cat Lift Trucks
NTS30Q	NTS60Q
Battery	Battery
Sit-on	Sit-on
3000	6000
750 / 75	1500 / 150
1055	1280
780	1280
310	830
470	450
R	R
15*4 1/2-8	15*4 1/2-8
15*4 1/2-8	4.00 - 8
1 / 2x	1 / 2x
860	946
910	910
280 / 350	280 / 350
1720	1940
968	1100
90	100
1490	1650
6.5 / 10	7 / 14
8 / 10	6 / 15
Mechanical / hydraulic	Mechanical / hydraulic
3	5
36 / 250	48 / 350
115	220
Mechanical / hydraulic	Mechanical / hydraulic
68	68
Refer to instruction manual	Refer to instruction manual
Refer to instruction manual	Refer to instruction manual



EQLine

CAT LIFT TRUCKS QUALITY – FOR EVEN THE SMALLEST JOBS

Our EQ line warehouse trucks have everything you need for dependable, entry-level materials handling. That includes sturdy construction, simple maintenance, energy-efficient features, robust performance, user-friendly design, and safety. A product line for light applications. If that's what you need to get your job done, the EQ line is your perfect choice.

Our tow trucks' robust design and construction copes with physical impacts and wet weather. It includes a heavy-duty hood and – for the all-important AC controller – IP65 sealing. High ground clearance takes care of rough surfaces and gradients.

With powerful AC traction and control, you can expect fast but smooth movement of large trailer loads. Choose between 3.0 or 6.0 tonne capacities. Meanwhile, Li-ion technology gives you the potential for virtually non-stop productivity.

Comfortably seated operation keeps your driver productive, whatever the distance and however long the shift. The steering wheel's position is adjustable, to minimise strain, and electrical power assistance is an option for even greater luxury.

An operator presence sensor, seat belt, work lights and direction indicators are amongst the standard safety features. To these, you can add options like electromagnetic braking, extra warning lights and alarms.



LOWER COST OF OWNERSHIP

- High-quality, robust construction ensures reliable operation over a long lifetime, with minimal servicing and repair needs.
- Heavy-duty hood offers strong impact protection and guards against water ingress in light showers.
- AC controller is sealed to IP65 standard for effective exclusion of water and dust.
- AC drive motor promises a long service life with low maintenance needs, thanks to elimination of brushes and commutators.
- Regenerative braking increases battery runtime, by recycling energy, and extends brake component life.
- Li-ion batteries give maximum lifespan, efficiency and runtime, with no need for water top-ups or other maintenance.
- Battery heating system optimises efficiency in cold environments, down to 1°C.
- Plug-in diagnostics and troubleshooting require only a laptop, software and a cable – not an expensive hand-held device – to reduce downtime and maintain efficient performance.
- PIN code access option prevents unauthorised use.

UNMATCHED PRODUCTIVITY

- AC drive motor and controller enable high-powered, rapid and smoothly controlled operation.
- Quick-release tow pins simplify and speed up locking and unlocking of tow hook.
- High ground clearance enables trouble-free travel over bumpy surfaces and ramps, both outdoors and indoors.
- High-capacity Li-ion battery gives powerful performance and long runtime between charges. (36V/250Ah for 3.0 tonne; 48V/350Ah for 6.0 tonne.)
- Li-ion technology makes continuous operation possible, without battery changes, using fast opportunity charging during short breaks.

- External charger is supplied for convenient recharging at a designated station.
- Sideways battery exchange requires no additional tools or devices and takes just 10 seconds.
- BDI (battery discharge indicator) and hour meter support optimal timing of battery charging/changing.
- Non-marking tyre option reduces the need for floor cleaning in fully indoor applications.

SAFETY AND ERGONOMICS

- Partially enclosed cabin (option) shelters driver from light rain.
- Adjustable steering wheel assures an optimum position for maximum comfort and minimum strain.
- Electric power steering option enables almost effortless manoeuvrability.
- Comfortable seat minimises driver tiredness and fatigue in applications involving long distances and shifts.
- Seat accessory options include A4 paper clip and waste paper bag for tidiness and convenience.
- Operator presence sensor prevents travel unless the operator is properly seated.
- Seat belt is fitted as a standard safety feature, with the option of an audible alarm to remind drivers to use it.
- Electromagnetic brake system option enhances braking performance, giving smooth, steady deceleration.
- Standard LED lighting includes front and rear work lights plus direction indicators, for see-and-be-seen safety.
- Blue floor spot, amber strobe light and reversing alarm options alert pedestrians and other truck operators to the truck's presence.
- Rear mirrors (optional) aid all-round view.
- Li-ion battery chemistry means no risk of hazardous gas or acid leaks.

EQ LINE LI-ION BATTERIES

Our EQ line warehouse trucks come equipped with lithium-ion (Li-ion) battery technology.

A great advantage of Li-ion is that it allows the use of opportunity charging. Instead of exchanging batteries between shifts, you can simply plug into a fast charger during short breaks. Your business will also enjoy the other efficiency, environmental and safety benefits outlined here.



LONGER LIFE

– 3 to 4 times lead-acid lifespan – reduces overall battery investment



FASTER CHARGING

– enables full charge in as little as 1 hour with the fastest chargers



HIGHER EFFICIENCY

– energy losses during charging and discharging are up to 30% lower, so electricity consumption is reduced



NO BATTERY CHANGING

– fast opportunity charging – 15 minutes for several hours of extra runtime – makes operation convenient with just one battery and minimises the need to buy, store and maintain spares



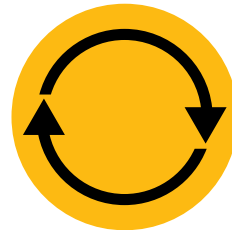
LONGER RUNTIME

– thanks to more efficient battery performance and use of opportunity charges, which can be given at any time without damaging the battery or shortening its lifespan



NO DAILY MAINTENANCE

– the battery stays on board the truck for charging and there is no need for water top-ups or electrolyte checks



CONSISTENTLY HIGH PERFORMANCE

– with a more constant voltage curve – maintains truck performance even as battery charge gets low



INBUILT PROTECTION

– intelligent battery management system (BMS) automatically prevents excessive discharge, charge, voltage and temperature, as well as virtually eliminating misuse



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NOTE: Performance specifications may vary depending on standard manufacturing tolerances, vehicle condition, types of tyres, floor or surface conditions, applications, or operating environment. Trucks may be shown with non-standard options. Specific performance requirements and locally available configurations should be discussed with your Cat lift trucks Dealer. Cat Lift Trucks follows a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.



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