

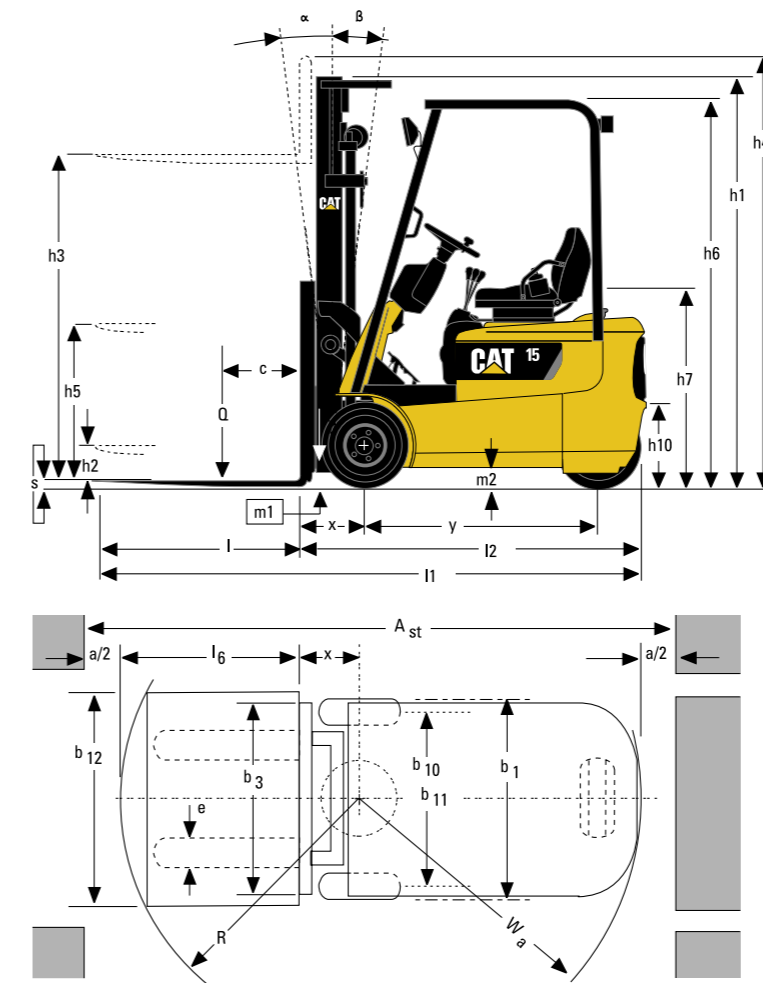
**EP10KRT PAC**  
**EP12KRT PAC**  
**EP15KRT PAC**  
Specifications

**Electric powered  
lift trucks**

3 wheel, 24V,  
1.0 - 1.5 tonnes



Characteristics		Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks
		EP10KRT PAC	EP12KRT PAC	EP15KRT PAC
1.01	Manufacturer (abbreviation)			
1.02	Manufacturer's model designation			
1.03	Power source: (battery, diesel, LP gas, petrol)	Battery	Battery	Battery
1.04	Operator type: pedestrian, (operator)-standing, -seated	Seated	Seated	Seated
1.05	Load capacity	Q (kg) 1.000	1.250	1.500
1.06	Load centre distance	c (mm) 500	500	500
1.08	Load distance, axle to fork face	x (mm) 330	330	330
1.09	Wheelbase	y (mm) 1125	1125	1200
Weight				
2.01	Truck weight, without load / including battery (simplex mast, lowest lift height)	kg 2354	2569	2775
2.02	Axle loading with maximum load, front/rear (simplex mast, lowest lift height)	kg 2857/497	3195/574	3731/544
2.03	Axle loading without load, front/rear (simplex mast, lowest lift height)	kg 1119/1235	1109/1460	1194/1581
Wheels, Drive Train				
3.01	Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear	SE/SE	SE/SE	SE/SE
3.02	Tyre dimensions, front	18 x 7-8	18 x 7-8	18 x 7-8
3.03	Tyre dimensions, rear	18 x 7-8	18 x 7-8	18 x 7-8
3.05	Number of wheels, front/rear (x=driven)	2/1x	2/1x	2/1x
3.06	Track width (centre of tyres), front	b10 (mm) 840	840	840
3.07	Track width (centre of tyres), rear	b11 (mm) -	-	-
Dimensions				
4.01	Mast tilt, forwards/backwards	$\alpha/\beta$ ° 5/7	5/7	5/7
4.02	Height with mast lowered (see tables)	h1 (mm) 2110	2110	2110
4.03	Free lift (see tables)	h2 (mm) 80	80	80
4.04	Lift height (see tables)	h3 (mm) 3300	3300	3300
4.05	Overall height with mast raised	h4 (mm) 3895	3895	3895
4.07	Height to top of overhead guard	h6 (mm) 2015(1965)	2015(1965)	2015(1965)
4.08	Seat height	h7 (mm) 928	928	928
4.12	Tow coupling height	h10 (mm) 410	410	410
4.19	Overall length	l1 (mm) 2500	2500	2575
4.20	Length to fork face (includes fork thickness)	l2 (mm) 1700	1700	1775
4.21	Overall width	b1/b2 (mm) 997	997	997
4.22	Fork dimensions (thickness, width, length)	s / e / l (mm) 35 x 80 x 800	35 x 80 x 800	35 x 80 x 800
4.23	Fork carriage to DIN 15 173 A/B/no	2A	2A	2A
4.24	Fork carriage width	b3 (mm) 920	920	920
4.31	Ground clearance under mast, with load	m1 (mm) 80	80	80
4.32	Ground clearance at centre of wheelbase, with load (forks lowered)	m2 (mm) 100	100	100
4.33	Working aisle width with 1000 x1200 mm pallets, crosswise	Ast (mm) 3030	3030	3104
4.34	Working aisle width with 800 x1200 mm pallets, crosswise	Ast (mm) 2850	2850	2925
4.35	Turning circle radius	Wa (mm) 1370	1370	1445
4.36	Minimum distance between centres of rotation	b13 (mm) -	-	-
Performance				
5.01	Travel speed, with/without load	km/h 11.5/13.5	11.2/13	11/12.5
5.02	Lifting speed, with/without load	m/s 0.29/0.48	0.27/0.48	0.26/0.48
5.03	Lowering speed, with/without load	m/s 0.52/0.50	0.52/0.50	0.52/0.50
5.05	Rated drawbar pull, with/without load	N 1706/1991	1569/1937	1435/1876
5.06	Maximum drawbar pull, with/without load (5 min short duty)	N 5327/5621	5190/5558	5056/5497
5.07	Gradeability, with/without load	% 9.6/15.1	8.1/13.6	6.9/12.3
5.08	Maximum gradeability, with/without load	% 16.4/25.1	14.0/22.6	12.2/20.6
5.09	Acceleration time (10 metres) with/without load	s 5.9/5.6	6.0/5.7	6.1/5.7
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)	Hydraulic	Hydraulic	Hydraulic
Electric motors				
6.01	Drive motor capacity (60 min. short duty)	kW 5	5	5
6.02	Lift motor output at 15% duty factor	kW 6.5	6.5	6.5
6.03	Battery to DIN 43 531/35/36 A/B/C/no	43 535A	43 535A	43 535A
6.04	Battery voltage/capacity at 5-hour discharge	V /Ah 24 / 720	24 / 720	24 / 840
6.05	Battery weight	kg 524	524	600
6.06	Energy consumption according to VDI 60 cycle	kWh/h -	-	-
Miscellaneous				
8.01	Type of drive control	Impuls / AC	Impuls / AC	Impuls / AC
8.02	Maximum operating pressure for attachments	bar 143	143	143
8.03	Oil flow for attachments	l/min -	-	-
8.04	Noise level, value at operator's ear (EN 12053)	dB(A) 60.7	60.7	60.7
8.05	Towing coupling design / DIN type, ref.	-	-	-



$A_{st} = W_a + R + a$   
 $A_{st}$  = Working aisle width  
 $W_a$  = Turning radius  
 $a$  = Safety clearance = 2 x 100 mm  
 $R = \sqrt{(l_6 + x)^2 + (b_{12} / 2)^2}$   
 $l_6$  = Pallet length (800 or 1000 mm)  
 $b_{12}$  = Pallet width (1200 mm)



## Operator comfort

- Ergonomically designed operator's compartment features a full suspension seat, adjustable steer column and comfortably placed hydraulic control levers.
- Functional display keeps driver informed of truck hours and state of battery. Also the service engineer can read the truck history from this display.
- Low footstep and well-placed grab handle makes on/off access easy. Even in repetitive situations.
- Automotive pedal layout for easy operation.
- Full hydrostatic steering system for effortless manoeuvrability.

## Compact

- Compact overall chassis dimensions contribute to supreme maneuverability in narrow aisles, block stacking or drive-in racking applications.
- Low overall truck height provides generous clearance for sure operation in containers or trailers, or when crossing low doorways.
- Truck can turn within its own dimensions.

## Safety

- High visibility mast and overhead guard.
- Presence Detection System (PDS) prevents operation while driver not seated.
- Backup alarm supplied as standard.

## Low cost of ownership

- Advanced AC technology provides high torque, faster acceleration, better ramp performance and smooth, quiet, controlled operation.
- MicroCommand AC controller provides optimum performance and energy efficiency.
- The steering on demand function will save energy by only activating the hydraulic motor when necessary.

## Service and Maintenance

- 500 hours service intervals for maximum 'up time'.
- Easy access to all components.
- Programmable diagnostics and performance via the display and PC or laptop.
- Strong regenerative braking speeds up working cycles, extends battery life and reduces brake wear.

## Options

- Amber strobe light.
- Road lights.
- Low overhead guard.
- Wide-tread Tyres.

# Cat® Lift Trucks.

Your partner in materials handling.

EP10KRT PAC/EP12KRT PAC/EP15KRT PAC						EP10KRT PAC	EP12KRT PAC	EP15KRT PAC
Mast Type	h3	h1	h4	h2	h5	Q @ c = 500 mm kg	Q @ c = 500 mm kg	Q @ c = 500 mm kg
	mm	mm	mm	mm	mm			
Simplex	2000	1460	3045	80	-	1000	1250	1500
	2560	1740	3605	80	-	1000	1250	1500
	2760	1840	3805	80	-	1000	1250	1500
	3000	1960	4045	80	-	1000	1250	1500
	3290	2105	4335	80	-	1000	1250	1500
	3720	2365	4765	80	-	1000	1250	1500
	4090	2550	5135	80	-	950	1200	1450
	4480	2755	5525	80	-	950	1150	1400
	5000	3015	6045	80	-	850	900 (1100*)	1000 (1350*)
	5500	3265	6545	80	-	850	850 (1050*)	950 (1250*)
6000	3515	7045	80	-	450 (800*)	500 (850*)	600 (950*)	
Duplex	3000	1960	4045	-	915	1000	1250	1500
	3295	2105	4340	-	1060	1000	1250	1500
	3700	2365	4745	-	1320	1000	1250	1500
	4030	2550	5075	-	1505	950	1200	1450
Triplex	3710	1760	4755	-	715	1000	1250	1500
	4010	1860	5055	-	815	950	1200	1450
	4310	1960	5355	-	915	950	1150	1400
	4750	2105	5795	-	1060	900	1100	1350
	5090	2225	6135	-	1180	850	1100	1300
	5490	2365	6535	-	1320	800	850 (1050*)	950 (1250*)
5990	2550	7035	-	1505	800	850 (1000*)	950 (1200*)	

\* lifting capacity with wide tread option

BATTERY COMPARTMENT	EP10KRT PAC	EP12KRT PAC	EP15KRT PAC	
Length (min)	mm	830	830	830
Width (min)	mm	381	381	435
Height (min)	mm	627	627	627
Maximum weight	kg	550	550	630

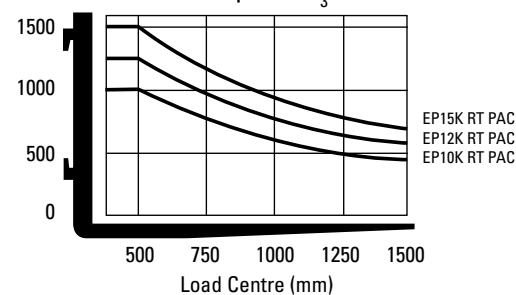
Cat Lift Trucks is renowned for its worldwide distribution network, but you will always find an experienced and dedicated team of professionals close to you. Individuals committed to helping you maximise profits. With Cat Lift Trucks, your investment is in safe hands.

## Mast Performance and Capacity

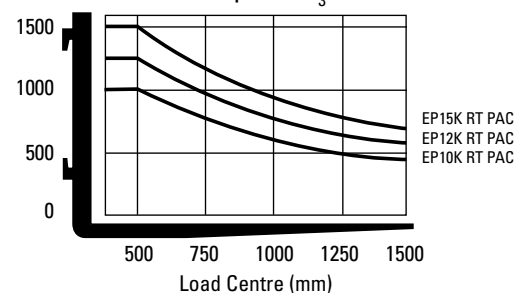
- h1 Height with mast lowered
- h2 Standard free lift
- h3 Lift height
- h4 Height with mast raised
- h5 Full free lift
- Q Lifting capacity, rated load

### Capacities at various load centers

Capacity (kg) Simplex -  $h_3 = 3700$  mm



Capacity (kg) Triplex -  $h_3 = 3710$  mm



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CESC1042(04/08)ok

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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.