

# ACE

## Reach Truck

**Capacity : 1.6-2.0 tons**

High Performance & rugged  
Reach Trucks Pro

**ACE** INDIA'S NO. 1  
CRANE BRAND



## TECHNICAL SPECIFICATIONS OF REACH TRUCK PRO

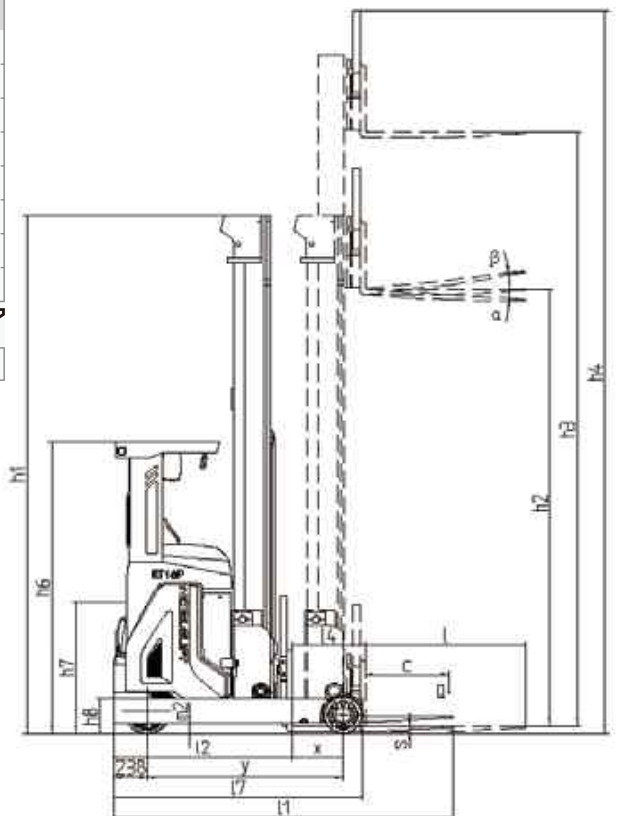
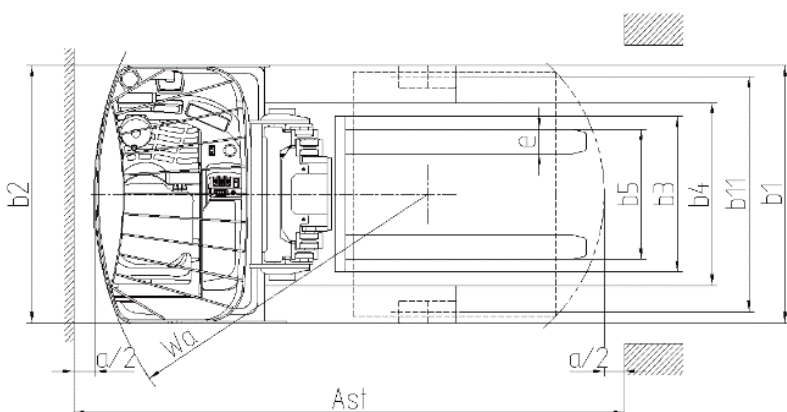
	1	Description	Unit	Reach Truck		
	2	Manufacture		<b>ACE</b>		
	3	Model		RT16P	RT20P	
<b>General</b>	4	Power Type		Electric		
	5	Operator Type		Seated		
	6	Rated Capacity	Kg	1600	2000	
	7	Load distance, centre of support arm wheel to face of forks	mm	365/176	395/200	
	8	Wheel base	mm	1400	1500	
	9	Load Center	mm	600		
	<b>Wheels</b>	10	Drive support arm wheel		Polyurethane	
		11	Wheel size, front	mm	343/140	
		12	Wheel size, rear	mm	285/110	330/110
13		Wheels number , front/rear (X=driven wheels)		1x/2		
14		Track width rear	mm	1160		
<b>Dimensions</b>	15	Tilt of forks (forward/backward)	Degree	4 / -2		
	16	Lift height	mm	9500 mm		
	17	Free Lift	mm	3290		
	18	Lowered mast height	mm	3900		
	19	Extended mast height	mm	10410		
	20	Overhead guard height	mm	2200		
	21	Seat height	deg	960		
	22	Height of support arms	mm	270		
	23	Height of lowered forks	mm	40		
	24	Overall Length	mm	2412	2488	
	25	Overall width	mm	1270		
	26	Length to face of forks	mm	1262		
	27	Fork dimensions(s/e/l)	mm	40/100/1150	40/120/1150	
	28	Width across froks	mm	220/750	240/750	
	29	Reach Distance	mm	525	595	
	30	Ground clearance with load, below mast	mm	90		
	31	Ground clearance, centre of wheelbase	mm	75		
	32	Ailse width for pallet 1000x 1200 crossway	mm	2720	2840	
	33	Ailse width for pallet 800x 1200 lengthways	mm	2780	2900	
	34	Turning radius	mm	1650	1750	
35	Length across support arms	mm	900			
<b>Performance</b>	38	Speed	Travel - With / without load	Km/h	10.5 / 10.5	
	39		Lift- with / without load	m/s	0.25 / 0.50	
	40		Lowering- with / without load	m/s	0.45 / 0.45	
	41		Reach - with / without load	m/s	0.1 /0.1	
	42	Max.Gradeability ( with / without load)	%	10 / 10		
	43	Serve brake		Hydraulic/Electric		
<b>Electric Motor</b>	44	Drive motor rating S2 60 min		7		
	45	Lift motor rating S3 15%		8.2	12	
	46	Battery voltage nominal capacity K5	V/Ah	48/420	48/560	
	47	Battery weight	Kg	750	950	
	48	Service including battery Approx.	Kg	3990	4250	
<b>Others</b>	49	Type of drive control		AC		
	50	Sound level	db(A)	68		

## MAST DETAILS FOR REACH TRUCK PRO

Max Fork Height(mm)	Load Capacity @ 600mm MFH (KGS)		Mast Lowered Height (mm)	Free Lift Height(mm)	
	RT16P	RT20P		1.6T	2.0T
4500	1600	2000	2235	1563	1563
6000	1600	2000	2735	2063	2063
6500	1500	1900	2900	2230	2230
7000	1400	1800	3070	2397	2397
7500	1200	1600	3235	2563	2563
8000	1000	1400	3400	2730	2730
8500	900	1200	3567	2897	2897
9000	800	1000	3734	3063	3063
9500	600	900	3900	3230	3230
10000		800	4067		3397
10500		800	4234		3563
11000		700	4400		3730
11500		600	4567		3897
12000		550	4733		4063
12500		500	4900		4230

Types		RT20P		
Door frame		9500mm		
h3 (mm)	Q (kg)			
9500	800	600	400	
9000	1000	700	600	
8500	1200	900	800	
8000	1400	1100	1000	
7500	1600	1300	1200	
7000	1800	1500	1400	
6300	2000	1700	1600	
C (mm)		600	700	800

Types		RT16P		
Door frame		9500mm		
h3 (mm)	Q (kg)			
9500	600	400	200	
9000	800	500	300	
8500	900	600	400	
8000	1000	750	500	
7500	1200	950	700	
7000	1400	1150	900	
6300	1600	1300	1100	
C (mm)		600	700	800





- The spacious driving space and ergonomic layout reflect the humanized design of the vehicle.



- Shock absorbing seat, adjustable backrest and seat belt as standard.



- Multi-function color LCD instrument can display information such as steering wheel position, battery power, power alarm, fault code, running time, driving speed etc. The driving speeds of low, medium and high third gear can be set through the meter.



- Low-noise gear hydraulic pump reduces the lifting noise of the whole vehicle. Travel motor controllers, hydraulic pump motor controllers and steering motor controllers of international well-known brands are self-protected, maintenance-free, and have superior performance



- Centralized control console, fingertip operation, convenient and accurate.



- In order to replace the battery its tray should be reached forwards. The mechanism for battery's tray release is located near with operator's foot.



- Adopting AC EPS electronic power steering system, the steering is light and has automatic centering function and the 180°/360° steering mode can be switched in real time.



## SAFE AND RELIABLE

- The tilting of the fork can effectively improve the stability of the whole vehicle and the loading capacity at height.
- The electro hydraulic proportional control system has good fretting performance, more stable work and more precise control.
- Speed limit function, when the forklift lifts to a certain height, the driving speed of the forklift will automatically decrease to ensure the safety of high position operation.
- The Height limit function, the lifting motor will automatically power off to ensure the safety of lifting when the fork lift to the maximum height.
- Turning speed limit control prevents the truck from tipping sideways when turning, ensuring the safety of the truck when turning.
- Smooth deceleration when the mast reaches/backwards to the end can ensure the stability of the mast movement.
- The motor temperature detection and control can effectively prevent the motor from being due to excessive temperature.
- The motor current detection and control can effectively prevent the motor from being damaged due to excessive current.
- The combination of electromagnetic brake and hydraulic brake has a short braking distance, no deviation, no impact and is safe and reliable.
- The parking electromagnetic brake can realize the one-key start operation function no matter it is on the slope or on the smooth ground.
- Using CANBUS communication technology, electrical wiring is simple the compatibility is good and the reliable is high.
- AC frequency conversion speed control technology enables stepless closed loop speed control of driving, lifting and steering drives, which is accurate and reliable.

## ENERGY EFFICIENT

- High speed lifting and lowering control improves your work efficiency.
- It adopts AC drive motor, hydraulic pump motor and steering motor, with long service life, maintenance-free and reliable performance.
- Regenerative braking to achieve energy recovery and extend battery life.
- All lights use LED, durable and energy-saving.

## ROBUST DESIGN & EXCELLENT STABILITY



- The powerful chassis structure and reasonable center of mass distribution make the forklift have excellent stability.



- The large arc of the back wall of the chassis coincides with the turning radius of the vehicle, which is beautiful and has a small turning radius.



- The high-precision forward sliding rail and excellent clearance compensation design make the forward movement of the mass of the masts more stable.

- The reasonable layout of the lifting cylinder and pipeline system, the mast pipeline is simple and clear view.

## STANDARD SPECIFICATION

- PU(polyurethane) driving wheel and load wheels
- Fork tilting
- Emergency power off switch
- Speed limit function
- Electric Power steering
- Sock-absorbing seat
- Adjustable back rest
- Seat belt
- Driving speed control
- Spacious driving space

## OPTIONAL

- Integrated Side shifter
- Side battery extraction tray with rollers
- Various type of fork length
- Optional large capacity battery 560/700Ah
- Full automatic high-frequency charger
- Other attachments
- Height monitoring system
- Lifting height limitation system
- Alarm lamp, rear headlamp or other lamps
- Reverse buzzer
- HD video camera
- Electronic height preselected system



Side battery extraction



Integrated side shifter

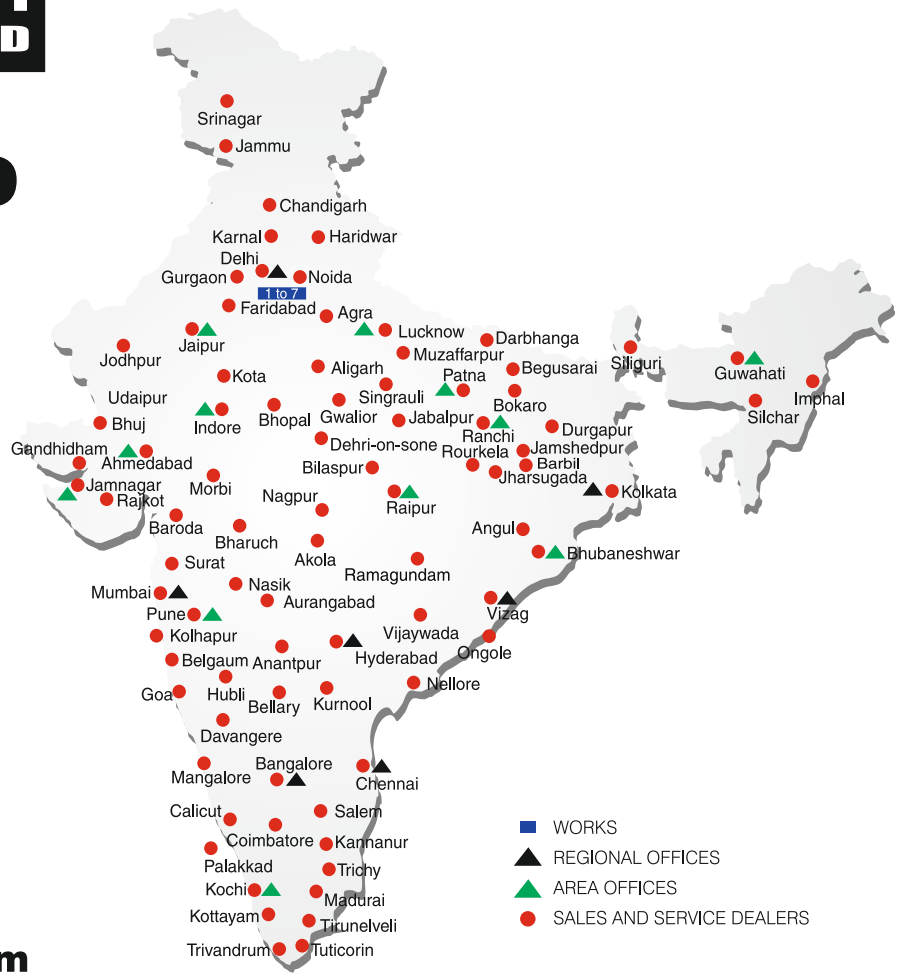


# BUILT TO PERFORM



**RELIABLE AND  
DEPENDABLE  
EFFICIENCY**

## NETWORK



[www.ace-cranes.com](http://www.ace-cranes.com)

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ACE has all India Sales and Service network operating out of all the major cities. These outlets are fully equipped to provide genuine spare parts and services by company trained engineers. These outlets are further supported by company officials based at Delhi, Mumbai, Chennai, Kolkatta, Ahmedabad, Surat, Pune, Jaipur, Chandigarh, Ranchi, Raipur, Indore, Bhubneshwar, Lucknow, Jamnagar, Hyderabad, Bangalore, Guwahati, Patna, Vizag & Kochi.



**Action Construction Equipment Ltd.**

Contact:



ACE reserves the right to alter any specifications without prior notice. Dimensions, weights & capacities mentioned herein are variable by ± 5%. Accessories if shown are not part of the Standard Equipment.