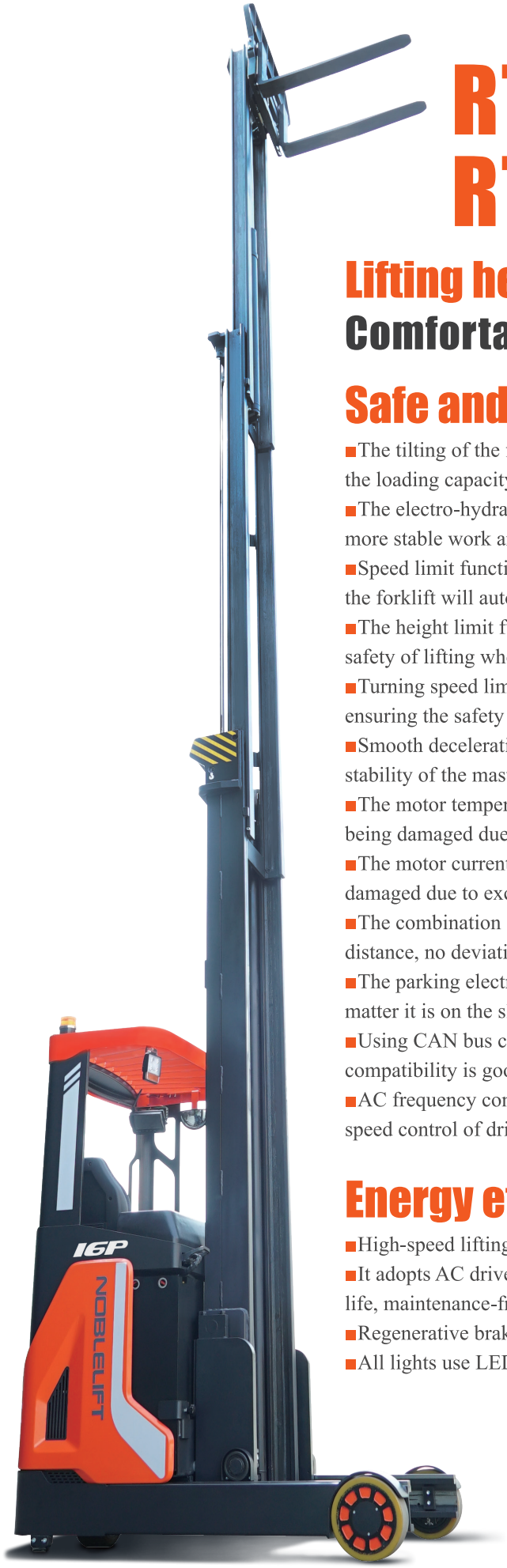


RT16/20Pro
RT16/20B

Lifting height up to 9500mm

Comfortable driving and easy operation

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 forks 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 damaged 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 CAN bus communication technology, electrical wiring is simple, the compatibility is good, and the reliability 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:

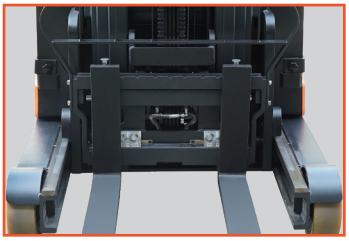
■High-speed lifting and lowering control improves your work efficiency.

■It adopts AC drive motor, hydraulic pump motor and steering motor, with long service life, maintenance-free and reliable performance.

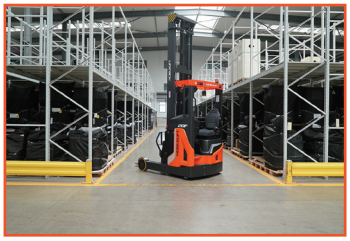
■Regenerative braking to achieve energy recovery and extend battery life.

■All lights use LED, durable and energy-saving.

Robust Design & Excellent Stablity



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

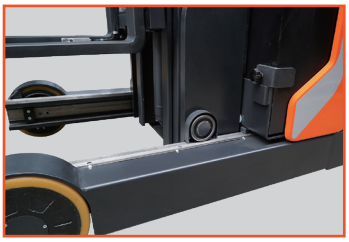


The large arc of the back wall of the chassis coincides with the turning radius of the vehicle, which is beautiful and has a small turning radius.





The reasonable layout of the lifting cylinder and pipeline system, the mast pipeline is simple and beautiful, and the vision is good.



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

Optional function

◄ Side battery extraction.



►HD video camera.

◄Electronic height preselected system.



►Integrated side-shift.

Comfortable driving and easy operation



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.



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.



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



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





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.

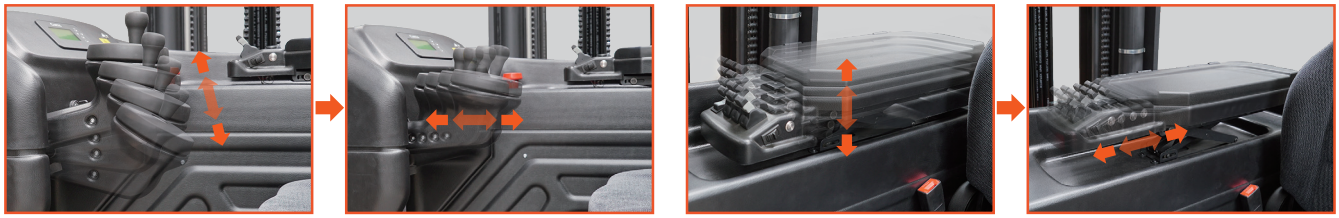




Centralized control console, fingertip operation, convenient and accurate.



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.



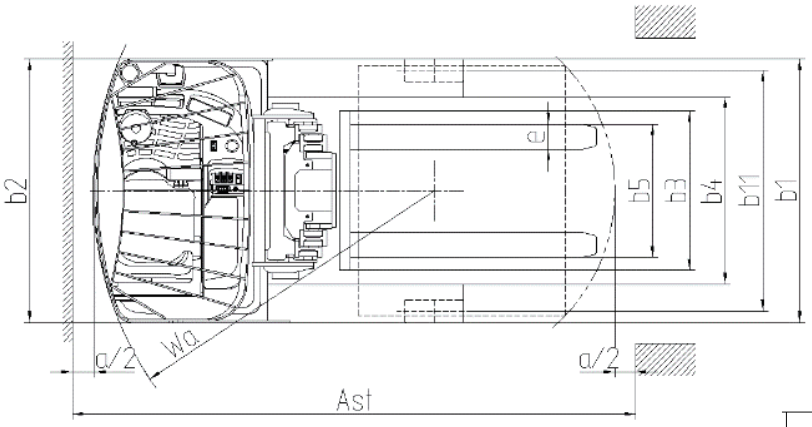


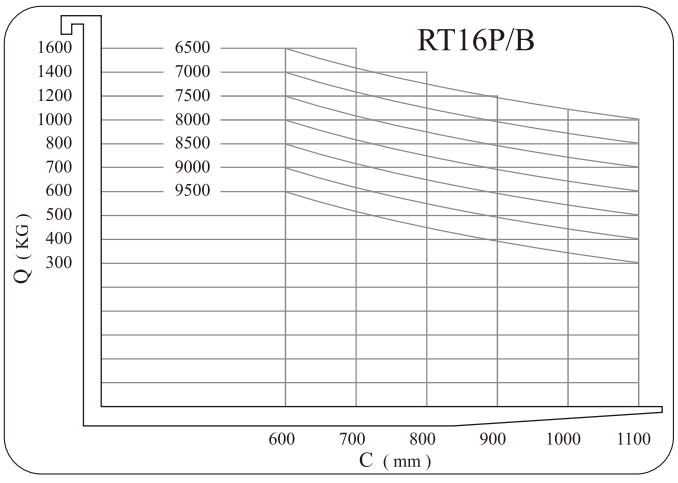
The steering wheel and central control console can be adjusted freely in all directions to suit your best operating habits.

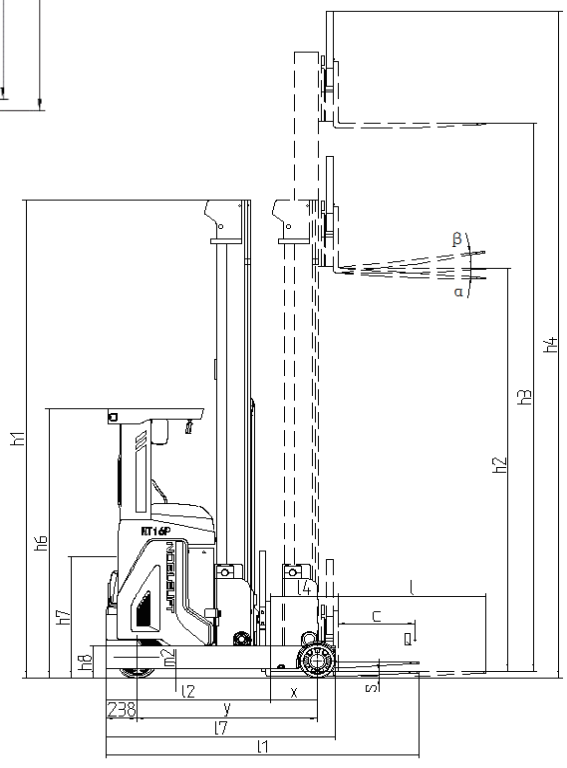


Type sheet for industrial truck acc. to VDI 2198

Model	Lift height h3 (mm)	Free lift h2 (mm)	Mast height h1 (mm)	Tilt of fork α/β (°)
16M450	4500	1563	2235	4°/-2°
16M500	5000	1730	2400	4°/-2°
16M550	5500	1897	2568	4°/-2°
16M600	6000	2063	2735	4°/-2°
16M650	6500	2230	2900	4°/-2°
16M700	7000	2397	3068	4°/-2°
16M750	7500	2563	3234	4°/-2°
16M800	8000	2730	3400	4°/-2°
16M850	8500	2897	3567	4°/-2°
16M900	9000	3063	3734	4°/-2°
16M950	9500	3230	3900	4°/-2°
20M450	4500	1563	2235	4°/-2°
20M500	5000	1730	2400	4°/-2°
20M550	5500	1897	2568	4°/-2°
20M600	6000	2063	2735	4°/-2°
20M650	6500	2230	2900	4°/-2°
20M700	7000	2397	3068	4°/-2°
20M750	7500	2563	3234	4°/-2°
20M800	8000	2730	3400	4°/-2°
20M850	8500	2897	3567	4°/-2°
20M900	9000	3063	3734	4°/-2°
20M950	9500	3230	3900	4°/-2°







Type sheet for industrial truck acc. to VDI 2198

1KG=2.2LB 1INCH=25.4MM

	Identification					
1.2	Manufacturer's type designation		RT16Pro	RT20Pro	RT16B	RT20B
1.3	Drive:electric(battery or mains),diesel,petrol gas,manual)		electric	electric	electric	electric
1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		seated	seated	seated	seated
1.5	Load capacity/rated load	Q(kg)	1600	2000	1600	2000
1.6	Load centre distance	c(mm)	600	600	600	600
1.8	Load distance,centre of drive axle to fork	x(mm)	365/176	395/200	365/176	395/200
1.9	wheelbase	y(mm)	1400	1500	1400	1500
	Weights					
2.1	Service weight incl. battery	kg	3960	4220	3990	4250
2.3	Axle load, mast retracted without load, drive/support arm wheel	kg	2420/1540	2560/1660	2450/1540	2580/1670
2.4	Axle load, mast extended with load, drive/support arm wheel	kg	830/4760	746/5474	890/4700	766/5484
2.5	Axle load, mast retracted with load, drive/support arm wheel	kg	2100/3460	2270/3950	2180/3410	2290/3960
	Wheels、Chassis					
3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		pu	pu	pu	pu
3.2	Tyres size,front	∅xw (mm)	∅343×140	∅343×140	∅343×140	∅343×140
3.3	Tyres size,rear	∅xw (mm)	∅285×110	∅330×110	∅285×110	∅330×110
3.5	Wheels,number front/rear(×=driven wheels)		1×/2	1×/2	1×/2	1×/2
3.7	Track width,rear	b11(mm)	1160	1160	1160	1160
	Basic Dimemsions					
4.1	Mast/fork carriage tilt forward/backward	α/β(°)	4°/-2°	4°/-2°	4°/-2°	4°/-2°
4.2	lowered mast height	h1(mm)	3900	3900	3900	3900
4.3	Free lift	h2(mm)	3290	3290	3290	3290
4.4	Lift height	h3(mm)	9500	9500	9500	9500
4.5	Extended mast height	h4(mm)	10410	10410	10410	10410
4.7	Overhead load guardheight	h6(mm)	2200	2200	2200	2200
4.8	Seat height/standing height	h7(mm)	960	960	960	960
4.10	Height of support arms	h8(mm)	270	270	270	270
4.15	Height of lowered forks	h13(mm)	40	40	40	40
4.19	Overall length	l1(mm)	2412	2488	2412	2488
4.20	Length to face of forks	l2(mm)	1273	1338	1273	1338
4.21	Overall width	b1(mm)	1270	1270	1270	1270
4.22	Fork dimensions	s/e/l(mm)	35/100/1150	40/120/1150	35/100/1150	40/120/1150
4.23	Fork carriage ISO 2328, class/type A, B		2A	2A	2A	2A
4.25	Width across forks	b5(mm)	200-740/200-818	240-740/240-818	200-740/200-818	240-740/240-818
4.26	Distance between support arms	b4(mm)	900	900	900	900
4.28	Reach distance	l4(mm)	525	595	525	595
4.31	Ground clearance ,laden,under mast	m1(mm)	90	90	90	90
4.32	Ground clearance,centre of wheelbase	m2(mm)	75	75	75	75
4.33	Aisle width for pallets 1000×1200 crossways	Ast(mm)	2720	2840	2720	2840
4.34	Aisle width for pallets 800×1200 lengthways	Ast(mm)	2780	2900	2780	2900
4.35	Turning radius	Wa(mm)	1650	1750	1650	1750
4.37	Length across support arms	l7(mm)	1780	1900	1780	1900
	Performance Data					
5.1	Travel speed,laden/unladen	km/h	10.5/10.5	10.5/10.5	10.5/10.5	10.5/10.5
5.2	Lift speed,laden/unladen	m/s	0.35/ 0.5	0.35/ 0.5	0.35/ 0.5	0.35/ 0.5
5.3	lowering speed,laden/unladen	m/s	0.45/0.45	0.45/0.45	0.45/0.45	0.45/0.45
5.4	Reach speed, with/without load	m/s	0.1/0.1	0.1/0.1	0.1/0.1	0.1/0.1
5.8	Max. gradeability, with/without load	%	10/15	10/15	10/15	10/15
5.10	Service brake		Hydraulic/electric	Hydraulic/electric	Hydraulic/electric	Hydraulic/electric
	E-Motor					
6.1	Drive motor rating S2 60 min	kW	6.4/7	6.4/7	6.4/7	6.4/7
6.2	Lift motor rating at S3 15%	kW	12.5	12.5	12.5	12.5
6.4	Battery voltage,nominal capacity K5	V/Ah	48/420, 560	48/560	48/420, 560	48/560
6.4	Battery voltage,nominal capacity K5	kg	750	950	750	950
	Other Details					
8.1	Type of drive control		AC	AC	AC	AC
8.4	Sound level at driver's ear according to EN 12 053	dB(A)	68	68	68	68