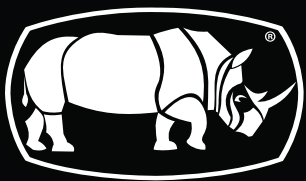




RECH90-8 / RECH90-7 / RECH80-7 / RECH80-6



RHINO

EMPTY CONTAINER HANDLER

www.rhinoeq.com



With multiple advantages, the truck has high safety / high efficiency / high precision and high stability performances. Integrated operating system ensure the truck highly productive.

Hydrostatic power steering allows full steering lock to be attained even at standstill. Accurate maneuverability with minimum effort. Cab-mounted anti-kick valve. Heavy-duty steer axle mounted to the chassis via spherelastic bushes allowing axle articulation over uneven ground. Steering lock stops preventing cylinder over stroke.

The design of the ultra-wide clear view lift mast qualifies as revolutionary; in contrast to established fork truck design principles, the inner mast is pivoted on the chassis whereas it is the outer mast that telescopes. Increased forward visibility. Mast construction extremely stiff in torsion, guaranteeing perfect load elevation up to maximum lift.

Cabin

- The cabin adopts the latest ergonomic design
- Equipped with large-colorf display for
- Easy reading the real status of the truck.
- Firm cabin design to ensure the safety and comfort of the operator.
- Good tightness, the doors & windows can be opened & closed easily and firmly.



PERFORMANCE

Model		RECH90/8	RECH90/7	RECH80/7	RECH80/6
Load capacity	kg(lb)	9000 (19841)	9000 (19841)	8000 (17636)	8000 (17636)
Maximum stacking layer		8	7	7	6
Lift speed, laden/unladen	m/s	0.55 / 0.60	0.55 / 0.60	0.55 / 0.60	0.55 / 0.60
Lowering speed, laden/unladen	m/s	0.60 / 0.60	0.60 / 0.60	0.60 / 0.60	0.60 / 0.60
Travel speed, laden/unladen	mph (kmh)	26/28 (41/45)	26/28 (41/45)	25/27(40/43)	25/27(40/43)
Climbing ability, laden/unladen	%	38 /-	38/-	30/-	30/-
Tractive force	kN(lbf)	157.5(35295)	157.5(35295)	107.5(24054)	107.5(24054)



A reliable color display shows the lifting weight/ lifting height/ main pressure/ engine status/ oil level/ error codes etc. all important information. The quick responding controller helps the operation and high efficiency.

Safety Device:

With seat safety switch

-In the case of the driver is not seated, cut off all the hydraulic, driving function

Spreader status indicator

- Red yellow green indicator lights;
- The light signal indicating the spreader, unlock state;
- Restrict Abnormal lifting, lowering operation.

Weighing display and overload limiting system

- Load rating of 90%, sound alarm;
- Exceeding the rated load, will cut off the lifting function.

Can-bus diagnosis

- Display engine, gearbox and other fault code;
- Display oil, pressure, temperature and other alarm information.

Double brake pedal design

- Adapt to the driver's operating habits.

Safety of spreader and mast

- limited speed valve for mast lower, chain anti loose;
- High strength structure design of mast and spreader.

OPTIONAL EQUIPMENT

- Rhino Engine
- Mast lights
- Travel speed limiter, when load positioned above standard travel height
- Reverse radar and camera monitor system
- Remote diagnostic system
- Alternative color schemes
- Auto fire suppression system
- Single spreader or double spreader(RECH90)

ENGINE

Model	RECH90	RECH80
Engine Manufacturer	Cummins QSB6.7 or Rhino	Cummins QSB6.7 or Rhino
Cylinder Number/Displacement	6 / 6700	6 / 6700
Rated Power kw (hp)	164(219)@2200 rpm	129(173)@2200 rpm
Maximum Torque	949NM@1500 rpm	800NM@1500 rpm
Rated current of alternator	100A	70A
Battery	24V (2x12/110)	24V (2x12/110)

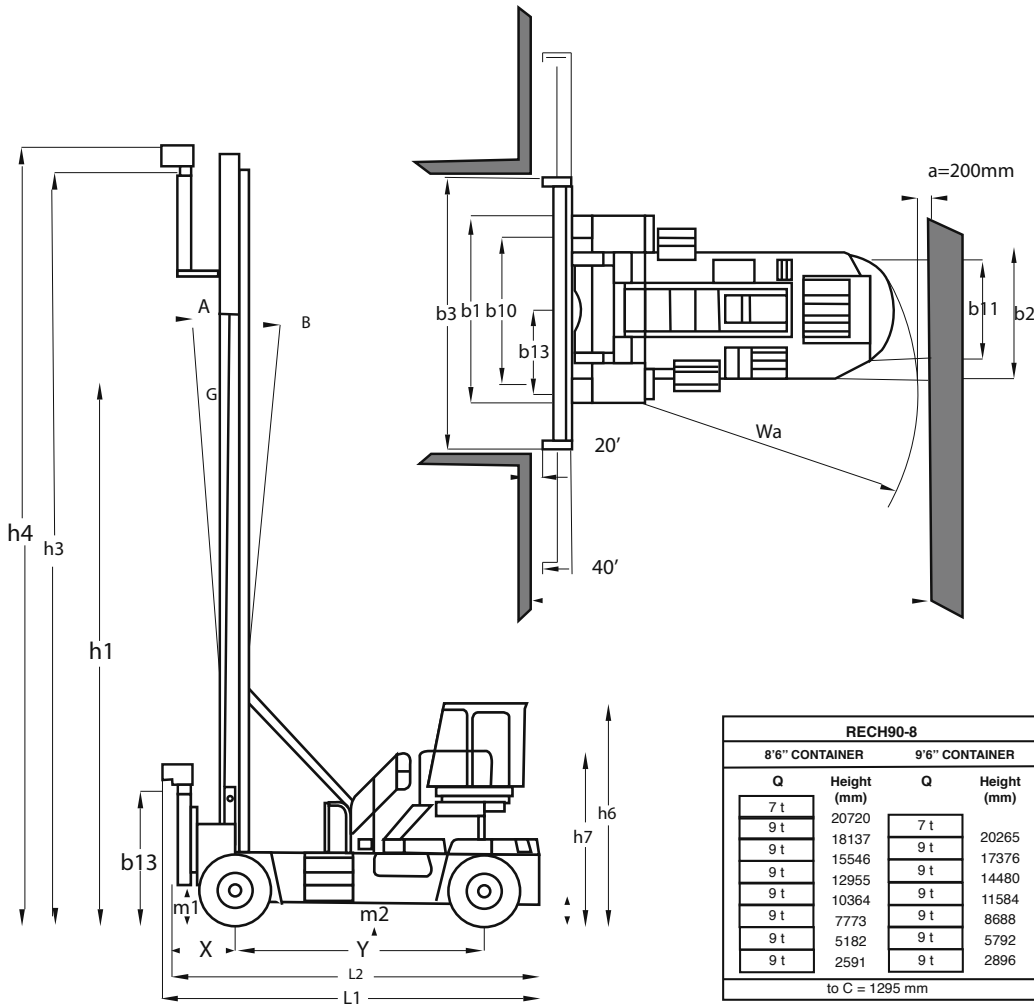
TRANSMISSION

Model	RECH90	RECH80
Manufacturer	ZF/3WG211 AUTO	ZF/3WG211 AUTO
Clutch Type	Torque Converter	Torque Converter
Transmission	Auto-shift/Interlock	Auto-shift/Interlock
Gear Number	3F / 3R	3F / 3R
Driver Axle Manufacturer	Kessler (Germany)	Kessler (Germany)
Type	D81PL488-NLB	D81PL478-NLB
Steering Axle Manufacturer	OMCI (Italy)	SOCMA
Type	ASF	Z16A1
Steering type-Single cylinder	Double Action Cylinder	Double Action Cylinder
Drive wheels	14.00-24 28PR	12.00-24 24PR
Steering wheels	14.00-24 28PR	12.00-24 24PR
Type	Pneumatic Tyre	Pneumatic Tyre
Pressure	10 bar	10 bar
Wheels, Front / Rear	4 / 2	4 / 2

ZF automatic transmission, Auto-gear transmission with 3 forwards / 3 reverse speed, makes the truck operation smooth and good economic performance, Minimum maintenance, long life time,, Inching function ensure the accurate approaching performance,Reversing interlock, speed controlled downshift protection



DIMENSIONS & CAPACITY



RECH80-6			
8'6" CONTAINER		9'6" CONTAINER	
Q	Height (mm)	Q	Height (mm)
8 t	15546		
8 t	12955	8 t	14480
8 t	10364	8 t	11584
8 t	7773	8 t	8688
8 t	5182	8 t	5792
8 t	2591	8 t	2896
to C = 1295 mm			

RECH80-7			
8'6" CONTAINER		9'6" CONTAINER	
Q	Height (mm)	Q	Height (mm)
7 t	18137		
8 t	15546	7 t	17376
8 t	12955	8 t	14480
8 t	10364	8 t	11584
8 t	7773	8 t	8688
8 t	5182	8 t	5792
8 t	2591	8 t	2896
to C = 1295 mm			

RECH90-8			
8'6" CONTAINER		9'6" CONTAINER	
Q	Height (mm)	Q	Height (mm)
7 t	20720		
9 t	18137	7 t	20265
9 t	15546	9 t	17376
9 t	12955	9 t	14480
9 t	10364	9 t	11584
9 t	7773	9 t	8688
9 t	5182	9 t	5792
9 t	2591	9 t	2896
to C = 1295 mm			

RECH90-7			
8'6" CONTAINER		9'6" CONTAINER	
Q	Height (mm)	Q	Height (mm)
9 t	18137		
9 t	15546	9 t	17376
9 t	12955	9 t	14480
9 t	10364	9 t	11584
9 t	7773	9 t	8688
9 t	5182	9 t	5792
9 t	2591	9 t	2896
to C = 1295 mm			

Wheelbase	y mm(in)	4520(178)	4520(178)	4020(158)	4020(158)
Height of mast, lowered	h1 mm(in)	12399(488)	11111(437)	11091(436)	9600(378)
Tilt angle (forward backward)	a/B(°)	3/4	3/4	3/4	3/4
Height of mast, extended	h4 mm(in)	21818 (859)	19244 (757)	19204(756)	16660(655)
Height of cabin	h5 mm(in)	4326 (170)	4326 (170)	4326(170)	4326(170)
Height, operator's seat	h7mm(in)	3226 (127)	3226 (127)	3206(126)	3206(126)
Twistlock height, lowered	h13 mm(in)	2290 (90.1)	2290 (90.1)	2290(90.1)	2290(90.1)
Maximum twistlock height	h3 mm(in)	21216 (835)	18642 (733)	18600 (732)	16290 (641)
Overall length	l1 mm(in)	6850 (269)	6850 (269)	6450(253)	6450 (253)
Length to spreader face	l2 mm(in)	6682 (263)	6682 (263)	6277(247)	6277(247)
Overall width	b1/b2 mm(in)	4120/ 2570 (162/101)	4120 / 2570 (162/101)	3627 / 2398(142/94)	3627 / 2398(142/94)
Width of spreader 20'/40'	b3 mm(in)	6050/2150 (238/84)	6050 / 12150 (238/84)	6050 / 12150(238/84)	6050/ 12150(238/84)
Turning radius	Wa mm(in)	6300 (248)	6300 (248)	5700 (224)	5700 (224)
Wheelspan, Front wheels	b10 mm(in)	3280(129)	3280 (129)	2880 (113)	2880(113)
Wheelspan, Rear wheels	b11 mm(in)	2171(85)	2171 (85)	2068 (81)	2068 (81)
Service weight	Kg (lb)	38680 (85274)	38280 (85274)	33800(74516)	32800(72311)
Axle load with load front /rear	Kg (lb)	37220/10460(82056/23060)	36610/10670(80711/23523)	29059/10750(64064/23699)	28650/10150(63162/22376)
Axle load without load front/rear	Kg (lb)	22660/16020(49956/35318)	22480/15800(49559/34833)	20100/13700(44312/30203)	19700/13100(43431/28880)



STANDARD EQUIPMENT

- Air conditioner
- Fixed closed cabin
- Hydraulic-three position adjusted seat with wide range of height adjustment
- LCD screen data display, show parameters of engine / transmission
- Safety monitors for engine and transmission oil pressure
- Cummins diesel engine with turbocharger
- ZF 3-speed auto-shift transmission with integrated forward/reverse safety interlock
- Robust double hub reduction drive axle, incorporating oil bath type multi-wet disc brake, free of maintenance
- Hydraulic power steering
- Twin drive wheels Pneumatic tyres
- Standard ultra-wide clear view lift mast
- Container telescopic 20'-40' side lift spreader, side shift +/- 600mm
- Road lighting
- Working lights
- Spreader
- Mounted lights Rear view mirrors
- Load indicator and load limiting system