

SOCMA

SECH90

Empty Container Handler

www.carretillasintertrac.com

INTERTRAC

Material Handling ☎ 900 818 978



Advanced Technology

Excellent Truck Quality

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

Smooth Power Steering



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.

Full Can-bus control system

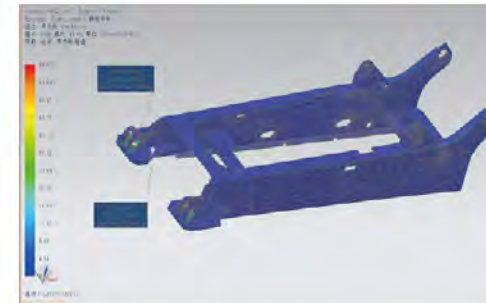
SECH90 empty container handler is equipped with full Can-bus control system.

The engine/ transmission/ electric system/ hydraulic system/ loading safety system/ spreader system are all integrated in the Can-bus system, all devices are monitored at real time. Parker control units ensure the system is reliable and flexible.

Advanced Technology

Excellent Truck Quality

Rigorous design process



FEM analysis supported design provides high strength of chassis and mast, making whole truck stable and robust.

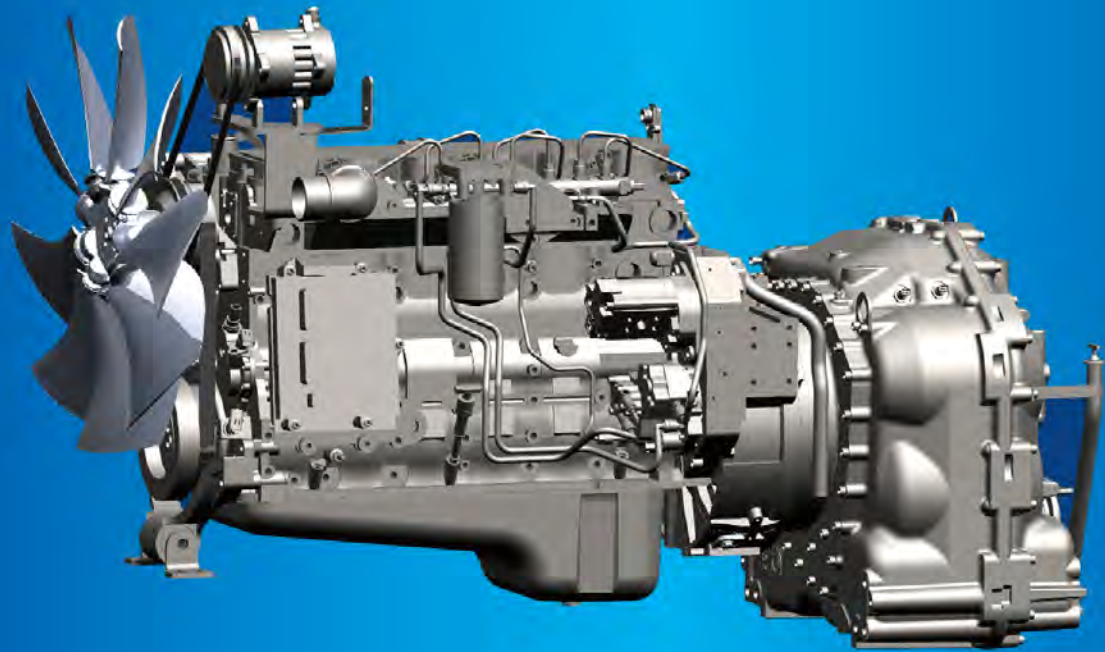
Innovative lift mast



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.



Market Leader Powerful Engine



Equipped with Cummins Engine, with full electronic control system to ensure economic fuel consumption

Equipped with turbocharger to improve the truck power and engine efficiency

Strong power to meet various working condition

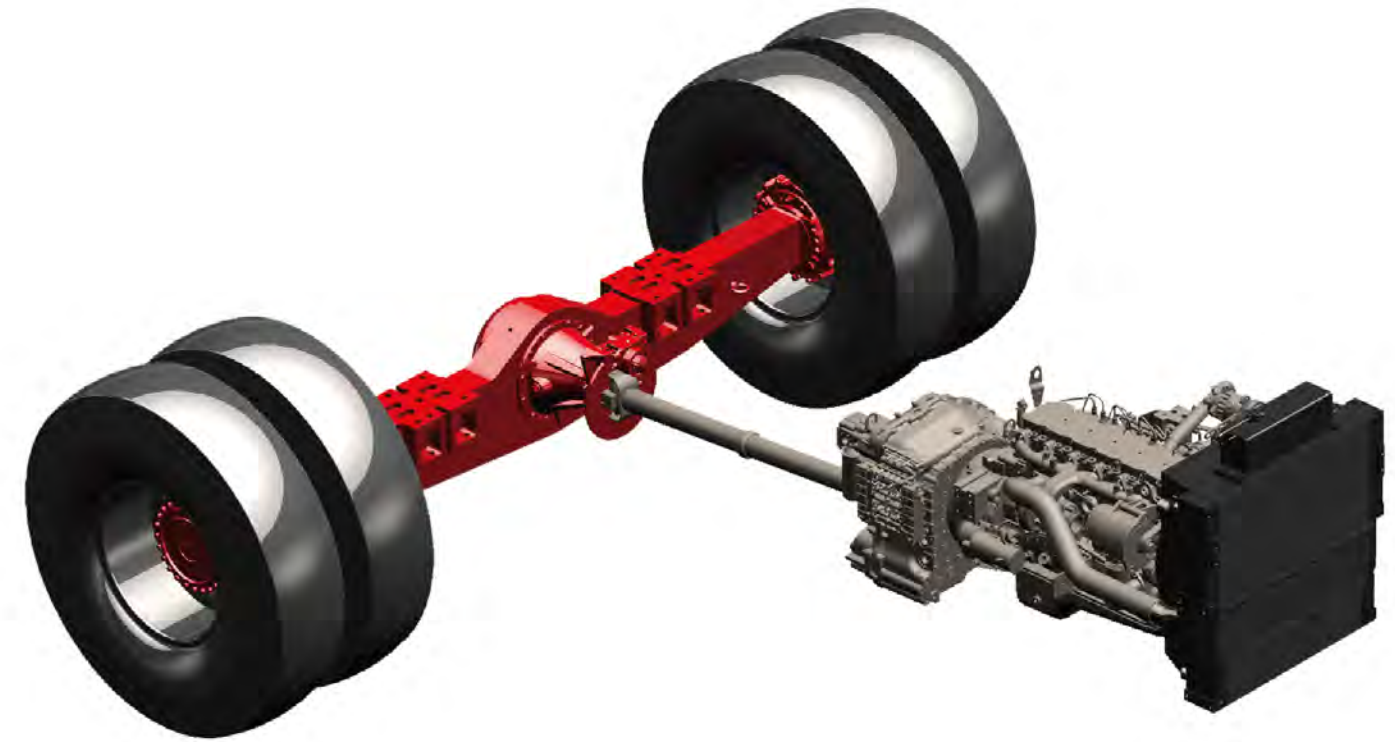
Comply with EU Stage III gas emission standard

Full lubrication performance to ensure the low noise level

The electric engine protection system shutdown the engine to avoid the damage when low lub-oil pressure / high temperature

Stacking Experience

Creating Excellence



Kessler D81 Drive Axle

Kessler drive axle, proven quality for heavy duty trucks, wide track, 2-stages reduction gear box, strong axle body optimized for heavy loading condition. wet disk driving brake is free of maintenance.

This drive axle performs under shock load condition ensuring high safety and long life time.



Spacious Driving Environment



- The cabin adopts the latest ergonomic design, Simple & elegant, Spacious & comfortable.
- Equipped with large-color 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.
- Equipped with multi-function joystick, All the control are at your fingertips.
- The luxury seat can be adjusted according to the driver's height and weight to ensure the most comfortable driving and high efficiency. The safety glass to ensure the excellent all-round visibility.
- Equipped with Air-Conditioner with heating function to suit working in all climates.

Touch-sensitive / High resolution

Color Display



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.

The Automatic Transmission



- ◆ 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

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.

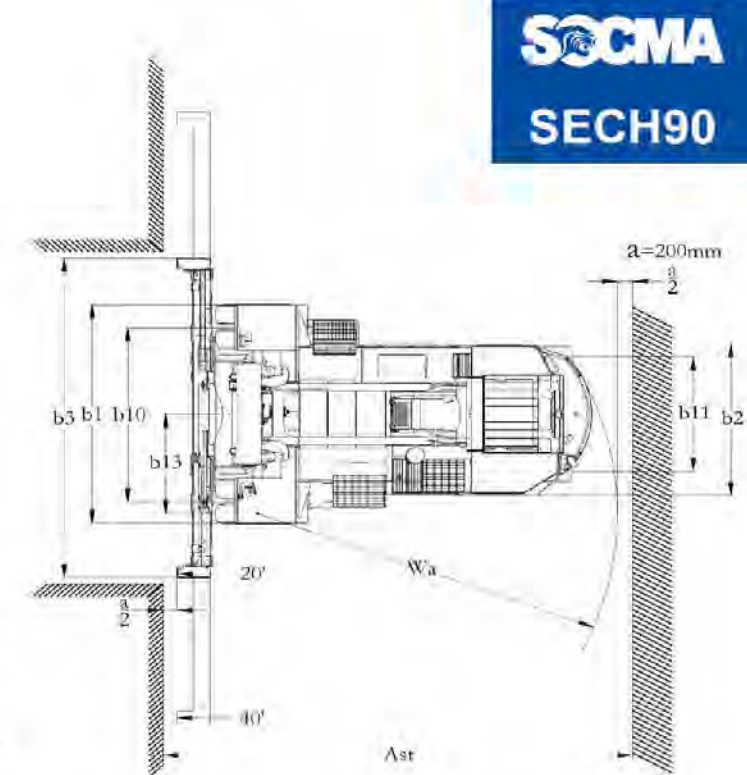
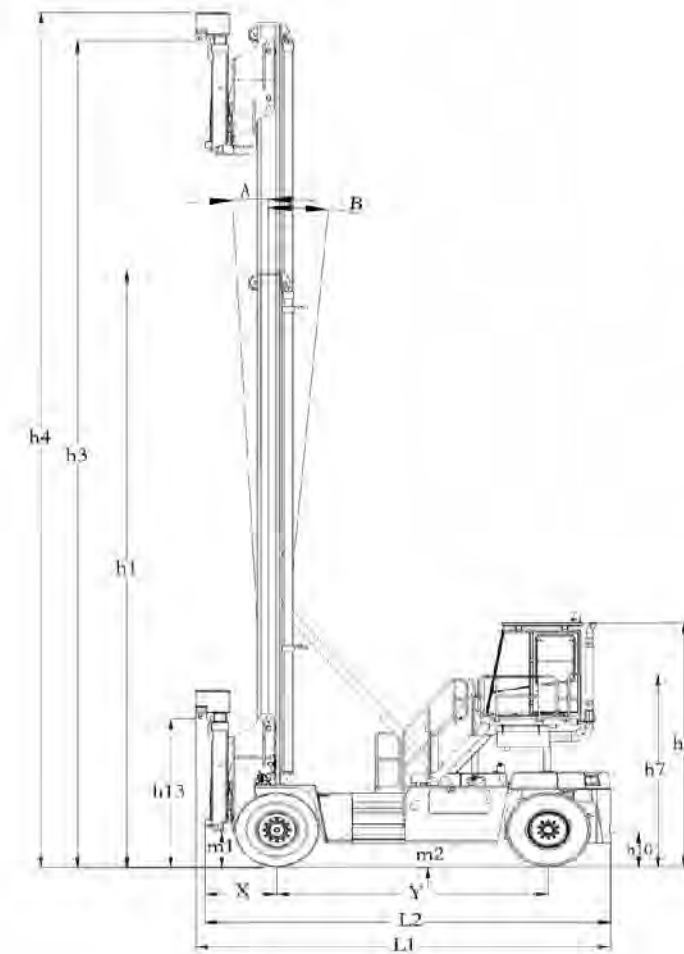
Double brake pedal design

- 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.

PERFORMANCES					
Model		SECH90/8	SECH90/7	SECH80/7	SECH80/6
Load capacity	Kg	9000	9000	8000	8000
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	km/h	26 / 28	26 / 28	25 / 27	25 / 27
Climbing ability, laden/unladen	%	38 / —	38 / —	30 / —	30 / —
Tractive force	kN	157.5	157.5	107.5	107.5
DIMENSIONS					
Wheelbase	y(mm)	4520	4520	4020	4020
Height of mast, lowered	h ₁ (mm)	12399	11111	11091	9600
Tilt angle (forward / backward)	α/β(/ °)	3 / 4	3 / 4	3 / 4	3 / 4
Height of mast, extended	h ₄ (mm)	21818	19244	19204	16660
Height of cabin	h ₅ (mm)	4326	4326	4326	4326
Height, operator's seat	h ₇ (mm)	3226	3226	3206	3206
Twistlock height, lowered	h ₁₃ (mm)	2290	2290	2290	2290
Maximum twistlock height	h ₃ (mm)	21216	18642	18600	16290
Overall length	l ₁ (mm)	6850	6850	6450	6450
Length to spreader face	l ₂ (mm)	6682	6682	6277	6277
Overall width	b ₁ /b ₂ (mm)	4120 / 2570	4120 / 2570	3627 / 2398	3627 / 2398
Width of spreader 20°/40°	b ₃ (mm)	6050 / 12150	6050 / 12150	6050 / 12150	6050 / 12150
Turning radius	Wa(mm)	6300	6300	5700	5700
Wheelspan, Front wheels	b ₁₀ (mm)	3280	3280	2880	2880
Wheelspan, Rear wheels	b ₁₁ (mm)	2171	2171	2068	2068
WEIGHTS					
Service weight	kg	38680	38280	33800	32800
Axle load with load, front/rear	kg	37220 / 10460	36610 / 10670	29050 / 10750	28650 / 10150
Axle load without load, front/rear	kg	22660 / 16020	22480 / 15800	20100 / 13700	19700 / 13100
ENGINE					
Model		SECH90		SECH80	
Engine manufacturer / type		Cummins / QSB6.7		Cummins / QSB6.7	
Cylinder number / displacement		6 / 6700 cm ³		6 / 6700 cm ³	
Rated power		164Kw @ 2200 rpm		129Kw @ 2200 rpm	
Maximum torque		949NM @ 1500 rpm		800NM @ 1500 rpm	
Rated current of alternator		100 A		70 A	
Battery		24 V (2 x 12 / 110)		24 V (2 x 12 / 110)	
TRANSMISSION					
Model		SECH90		SECH80	
Manufacturer / type		ZF/3WG211 AUTO		ZF/3WG211 AUTO	
Clutch - type		Torque Converter		Torque Converter	
Transmission		Auto-shift/ Interlock		Auto-shift / Interlock	
Gear number		3 F / 3 R		3 F / 3 R	
BRAKE SYSTEM					
Service brake: Wet-disc					
Parking brake: Brake enabled when power of					
DRIVE AXLE					
Model		SECH90		SECH80	
Driver axle manufacturer		KESSLER / Germany		KESSLER / Germany	
Type		D81PL488 - NLB		D81PL478 - NLB	
STEER AXLE					
Model		SECH90		SECH80	
Steering axle Manufacturer		OMCI / Italy		SOCMA	
Type		ASF		Z16A1	
Steering type-Single cylinder		Double action cylinder		Double action cylinder	
TYRES					
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	
Quantity, Front / Rear		4 / 2		4 / 2	



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SECH80/6			
8'6" container		9'6" container	
Q	Height (mm)	Q	Height (mm)
8 t	15546	8 t	14480
8 t	12955	8 t	11584
8 t	10364	8 t	8688
8 t	7773	8 t	5792
8 t	5182	8 t	2896
8 t	2591	8 t	2896
to C = 1295 mm			

SECH80/7			
8'6" container		9'6" container	
Q	Height (mm)	Q	Height (mm)
7 t	18137	7 t	17376
8 t	15546	8 t	14480
8 t	12955	8 t	11584
8 t	10364	8 t	8688
8 t	7773	8 t	5792
8 t	5182	8 t	2896
8 t	2591	8 t	2896
to C = 1295 mm			

SECH90/7			
8'6" container		9'6" container	
Q	Height (mm)	Q	Height (mm)
9 t	18137	9 t	17376
9 t	15546	9 t	14480
9 t	12955	9 t	11584
9 t	10364	9 t	8688
9 t	7773	9 t	5792
9 t	5182	9 t	2896
9 t	2591	9 t	2896
to C = 1295 mm			

SECH90/8			
8'6" container		9'6" container	
Q	Height (mm)	Q	Height (mm)
7 t	20720	7 t	20265
9 t	18137	9 t	17370
9 t	15546	9 t	14480
9 t	12955	9 t	11584
9 t	10364	9 t	8688
9 t	7773	9 t	5792
9 t	5182	9 t	2896
9 t	2591	9 t	2896
to C = 1295 mm			

► 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; Display fault codes into text descriptions
- 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
- Standard color scheme-RAL3000 / RAL 7021

► Optional Equipment

- CD
- 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(SECH90)

other options available on request

