

The only Reach Stacker with telescopic wheelbase - we lift & move from 42t to 500t

CES

2017

Your expert in
container and
heavy duty handling.

The only versatile Reach Stacker that combines multiple loadcharts and wheelbases in one machine

Side mounted technology boxes for easy maintenance and higher availability

Innovative hydrostatic drive system for lowest fuel consumption and noise emissions.

Movable capacity from 42t to 500t



MODEL RANGES

HEAVY DUTY

- For heavy lift / Special applications / Project work
- Capacities of 500t
- Travel capability with full load
- Full range of attachments available

COMBI

- Can lift 86t ISO containers
- 90t capacity for heavy lift work
- Standard container handler as well as for heavy containers / heavy lifts

STANDARD

- Equipped with 50t spreader
- Various applications such as Intermodal, Rail & Barge
- One machine for all types of work

VRS

VERSATILE REACH STACKER

WHAT MAKES US DIFFERENT?

Our Reach Stacker offers up to 7 lengths with one extendable chassis.

Modular Design - quick release components for easy up - and downgrades.
Technology Units with quick release systems - for highest availability.

It only takes 120 minutes to replace an engine.

The Intelligence of our Software together with the DANA - REXROTH TRANSMISSION allows for the use of a smaller engine and lower max. RPM, maximizing fuel efficiency and reducing noise levels to 68 dB(A).

High quality components such as Cummins, Volvo, Kessler, Dana and Rexroth.

German ideas and service mentality combined with Italian design and production capabilities.



1 HYDRAULICALLY EXTENDABLE CHASSIS



The variable lifting capacity

Is the ability to transform a **traditional Reach Stacker of short wheelbase** into a **special Reach Stacker with long wheelbase** just by extending the frame and consequently moving the counterweight.

After using the maximum lifting capacity with the long wheelbase, once the boom is retracted it is possible to shorten the frame, and then handle the load with the short wheelbase.

A **Reach Stacker** with the maneuverability of machines with short wheelbase, but with the lifting capacity of machines with long wheelbase.

We change the concept!

In a conventional machine engine and transmission are in the middle under the cabin making them difficult to reach and inefficient.

We've moved the technology outside in an ENERGY BOX and SUPPLY BOX, with a hydrostatic/mechanic drive system.

Results are

- low fuel consumption
- low noise level
- reduced tire wear

HANDLING

The power drive used is hydrostatic, for a reduction of fuel, tyre and brake. Therefore reducing environmental impact: harmful air emissions and noise.

1 CLIP-ON CABIN

2 CLIP-ON ENERGY BOX WITH ENGINE, RADIATOR; HYDRAULIC PUMPS, OIL TANK

MODULARITY

Easy access to components inside of modular units and the possibility of rapid replacement of the modules reduces the costs of machine downtime, maintenance and service.

FLEXIBILITY

A central frame, hydraulically extendable, to get one machine with multiple wheelbase lengths and therefore multiple different lifting capacities.



1

2

VRS

HEAVY DUTY SERIES UP TO 500t - MOVABLE WITHOUT STABILIZER

VRS J 125t

VRS K 150t

VRS L 250t

VRS M 500t



VERSATILE REACH STACKER **HEAVY DUTY SERIES**



Special tasks require special machines

To realize effective handling of enormous capacities we developed a specialised heavy duty design – a dedicated chassis, bigger tyres, a more powerful powertrain.

Mounted with independent wheel suspension for best traction and lowest ground pressure.

Due to our innovative Drive Sensing System with Rexroth components the tyre consumptions is reduced.



VRS

VERSATILE REACH STACKER HEAVY DUTY SERIES

MOVABLE LOADS UNDER CRANE HOOK

Heavy Duty Series

VRS J

Wheelbase:
7.500 to 10.000mm

Tyres:
tyres 4 x 24:00 -35/ 2 x 24:00 - 35

Lifting capacities:
115t at 2.500mm LC

VRS K

Wheelbase:
9.000 to 12.000mm

Tyres:
tyres 4 x 27:00 - 49/ 2 x 24:00 - 35

Lifting capacities:
170t at 2.000mm LC

VRS L

Wheelbase:
9.000 to 12.000mm

Tyres:
tyres 4 x 37:00 - 57/ 2 x 37:00 - 57

Lifting capacities:
250t at 2.000mm LC

VRS M

Wheelbase:
10.500 to 14.000mm

Tyres:
tyres 5 x 40:00 - 57/ 2 x 40:00 - 57

Lifting capacities:
500t at 2.000mm LC



VRS L

VRS L



VRS L

WHEELBASE 6.5 m

VERSION	MAX CAPACITY NO STABILIZERS (t)
VRS G	57 / 39 / 24
VRS H	86 / 60 / 33

WHEELBASE 8.5 m

VERSION	MAX CAPACITY NO STABILIZERS (t)
VRS G	60 / 48 / 31
VRS H	90 / 75 / 43

Combi Series

Our Combi Reach Stacker series is equipped with spreader up to 90t capacity under lifting eyes and 86t capacity under twist lock.

Best machine to handle containers and heavy cargo.



WHEELBASE 6.5 m

VERSION	MAX CAPACITY NO STABILIZERS (t)
VRS A	42 / 27 / 13
VRS B	45 / 30 / 14
VRS C	46 / 32 / 17
VRS D	50 / 38 / 21
VRS E	50 / 41 / 23
VRS F	50 / 45 / 25

WHEELBASE 8.5 m

VERSION	MAX CAPACITY NO STABILIZERS (t)
VRS A	42 / 31 / 16
VRS B	45 / 34 / 18
VRS C	46 / 38 / 21
VRS D	50 / 46 / 26
VRS E	50 / 50 / 28
VRS F	50 / 50 / 31

Standard Series

Our Standard Reach Stacker series is equipped with spreader up to 50t capacity and 4 lifting eyes with each 12.5t capacity



THE CLIP-ON CABIN ADHERES TO THE HIGHEST ERGONOMIC STANDARDS.

The cabin, positioned in the center of the machine is available as sliding or fixed cabin.

During stacking of the container, while the boom raises the cab tilts according to the stacking height, favoring the ergonomics of the operator. The whole process is controlled by our CES ECO-SOFT Software.

BARGE HANDLING OR SECOND RAIL OPERATION

The cabin can optionally be installed on the side above the front fender on a hydraulic lift and tilt system.



THE ADVANTAGES OF MODULARITY

Easy access to components inside of modular units and the possibility of rapid replacement of the modules reduces costs of machine downtime, maintenance and service.

EASY REPAIR AND MAINTENANCE

All components are easy to reach and can quickly be dismantled or replaced resulting in reduced downtimes and less costs for the operator. For example the ENERGY BOX can be quickly replaced by another unit - the machine goes back in operation while repairs or maintenance can be done on the BOX in need of repair.

Telescopic lifting boom made out of special steel and designed to allow maintenance without dismounting

Spreader - universal 20' - 40' with Floating Twistlocks, locked mechanically and electronically, 4 pairs of electronically controlled seated pins. On request - 30' Stop. Alternatively Intermodal spreader with piggy back

Clip-on ENERGY BOX - with integrated engine in different configurations - Cummins or Volvo - hydraulic pumps

Front Stabilizers on request

Clip-on Transmission

Clip-on Cabin

Clip-on Counterweights - from 7 up to 25 tons

Chassis - fixed as standard - extendable on request

Clip-on SUPPLY BOX - with integrated 1000 l tank and electronic cabinet

Kessler axles model D102 or D106

Rims & tyres exchangeable

EASY UP AND DOWNGRADES

Our standard Reach Stacker series is available in 6 basic versions where the only differences are counterweight and size of tyres. So if the customer decides for the version with the lowest capacity he can later upgrade the size of tyres and counterweight or add stabilizers in order to have the version with the highest capacity.

EASY SHIPPING

Our Reach Stacker can easily be transported in standard containers or trailers - no special transport required.



Hydraulically extendable chassis for highest capacities in second and third row - the most versatile Reach Stacker on the market



High dynamic stability outstandingly stable reach stacker



Side mounted ENERGY and SUPPLY BOXES



Ergonomic high visibility cabin, tiltable in ratio to the lifting height with optional 360° surround view camera system



Environmental friendly - lowest noise level



Lowest fuel consumption



German concepts combined with Italian design



Hi-tech hydrostatic drive



Components of only the highest quality of best producers in the European design market ensure the reliability of the machine



SERVICE SUPPORT
24 hours / 7 days a week





📍 SALES & SERVICE

CES Containerhandling Equipment & Solutions GmbH

Rudolf-Diesel-Str. 2

76694 Forst/Germany

Phone +49(0)7251-3657-0

Fax: +49(0)7251-3657-99

info@cesgroup.eu

📍 PRODUCTION - FACTORY

CES Italy Srl

P.IVA 04325380238

Via Casetta, 241/A

37015 Domegliara (VR) Italy

www.cesgroup.eu

www.ces-vrs.eu