

INDUSTRIAL CRANES
NUCLEAR CRANES
PORT CRANES
HEAVY-DUTY LIFT TRUCKS
SERVICE
MACHINE TOOL SERVICE

REACH STACKERS

KONECRANES®
Lifting Businesses™

SMV 4525 TBE5 & SMV 4530 TBE5

REACH STACKER FOR EVERYDAY CONTAINER HANDLING

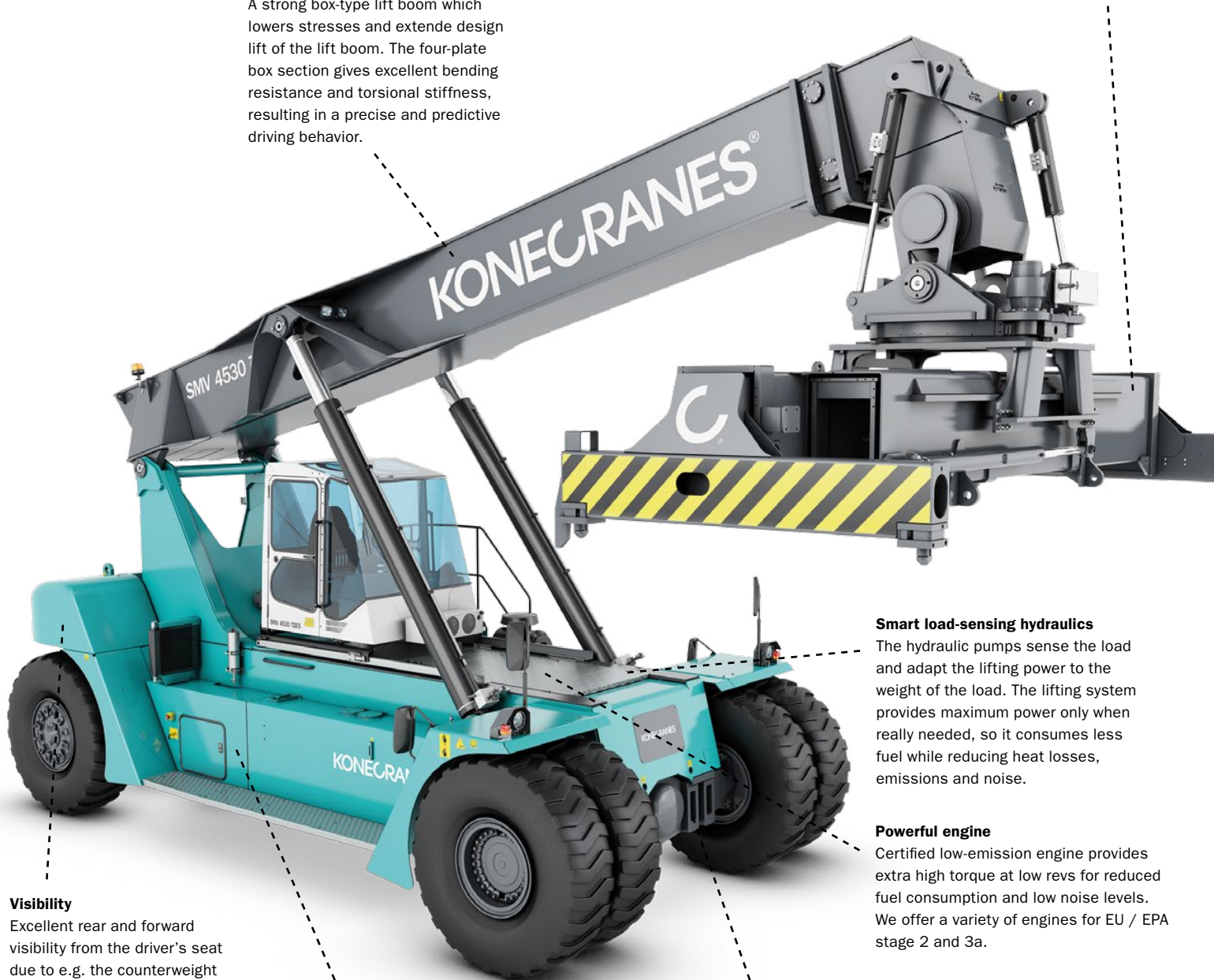


Welded box-type lift boom

A strong box-type lift boom which lowers stresses and extends design life of the lift boom. The four-plate box section gives excellent bending resistance and torsional stiffness, resulting in a precise and predictive driving behavior.

Modern and durable lifting spreaders

Top-lift for 20/40 ft containers, +195/-105 degrees rotation, +/-800 mm total sideshift, 4 lift eyes for sling cargo. Mechanical pile slope (MPS ± 2 deg).

**Visibility**

Excellent rear and forward visibility from the driver's seat due to e.g. the counterweight design. This increases safety for people and the lift truck.

Heavy-duty box-type chassis

The strongest on the market. The foundation of long-lasting high performance.

Smart load-sensing hydraulics

The hydraulic pumps sense the load and adapt the lifting power to the weight of the load. The lifting system provides maximum power only when really needed, so it consumes less fuel while reducing heat losses, emissions and noise.

Powerful engine

Certified low-emission engine provides extra high torque at low revs for reduced fuel consumption and low noise levels. We offer a variety of engines for EU / EPA stage 2 and 3a.

Excellent stability

Wide, strong drive axle and long wheelbase. The two keys to excellent stability for safe lifting of heavy loads.

TECHNICAL DATA: SMV 4525 TBE5

Lifting data		
Lift capacity at load center L1 / maximum height	kg	45000 / 42000
Lift capacity at load center L2 / maximum height	kg	25000 / 25000
Driving data		
Incline, driving ability at rated load at 0 km/h / 2 km/h	%	29 / 22
Towing ability at rated load at 0 km/h / 2 km/h	kN	343 / 269
Service weight / Axle pressure		
Service weight	kg	64900
Engine (electronic controlled)		
Make		Volvo (stage 2 & 3a)
Transmission (electronic controlled)		
Transmission make		DANA
Drive axle & brake system		
Drive axle make		Kessler
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 4160
Driving brake system, type / affected wheels		Oil cooled wet disc brakes / drive wheels
Parking brake system, type / affected wheels		Dry disc brake / spring release / drive wheels
Steer axle & steer system		
Steer axle type / steering system		Double acting cylinder / hydraulic servo ass.
Wheels		
No. of wheels, front + rear / type (*driven)		4* + 2 / pneumatic
Tire pressure front / rear	MPa	1.0 / 1.0
Tire dimensions (Ply rating) front / rear	Inch (No)	18.00 x 25" (PR 40) / 18.00 x 25" (PR 40)
Rim dimensions front / rear	Inch	13.00 x 25" / 13.00 x 25"
Hydraulic system		
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Tank volumes		
Fuel, net	L	650
Hydraulic system	L	850
Lift equipment & spreader		
Spreader make / type		ELME 817-MPS / Toplift (container)
Spreader functions		20-40 ft containers
Spreader locking containers / lifting eyes		4 x top twist locks / 4 x in corners
Sideshift stroke / rotation / pile slope type (pile slope stroke)	mm / deg / deg	+/- 800 / +195 -105 / Manual MPS (+/- 2.0)
Others		
Safety, monitoring & overload system / programmable / color		Electronic system EMC / yes / yes
Manual hydraulic tilting cab		Yes
Noise level (inside Cab / Lm)	DIN 45635	dB(A) 68
Noise level (inside Cab / LpAZ)	EN 12053	dB(A) 75
Noise level (outside at 7 m / Lwa)	2000/14/EC	dB(A) 111
Norms & standards		
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1459	Yes

TECHNICAL DATA: SMV 4530 TBE5

Lifting data			
Lift capacity at load center L1 / maximum height		kg	45000 / 42000
Lift capacity at load center L2 / maximum height		kg	30000 / 30000
Driving data			
Incline, driving ability at rated load at 0 km/h / 2 km/h		%	29 / 22
Towing ability at rated load at 0 km/h / 2 km/h		kN	343 / 269
Service weight / Axle pressure			
Service weight		kg	69900
Engine (electronic controlled)			
Make		Volvo (stage 2 & 3a)	
Transmission (electronic controlled)			
Transmission make		DANA	
Drive axle & brake system			
Drive axle make		Kessler	
Drive axle type / drive axle width		/ mm	Differential + hub reduction / 4160
Driving brake system, type / affected wheels		Oil cooled wet disc brakes / drive wheels	
Parking brake system, type / affected wheels		Dry disc brake / spring release / drive wheels	
Steer axle & steer system			
Steer axle type / steering system		Double acting cylinder / hydraulic servo ass.	
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Others			
Safety, monitoring & overload system / programmable / color		Electronic system EMC / yes / yes	
Manual hydraulic tilting cab		Yes	
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CUTS BACK ON COSTS, MAINTAINS HIGH QUALITY

Konecranes has decades of experience in providing lifting solutions for container terminals around the world. We have formed a clear insight of what our customers need in their everyday work. Drawing from that knowledge, offer a reach stacker that answers to those needs. TBE is a proper reach stacker designed to work hard year round.

Focusing on the essential features, TBE is the first and most economical choice for basic container handling. We make all our lift trucks with heart, and the TBE is no exception – built around Konecranes high quality core components, it's a safe and reliable lift truck with solid performance.

DISTINCT SAVINGS IN COSTS

- Lower investment cost thanks to basic design
- Fast delivery thanks to standardized package with little customization

QUALITY YOU CAN TRUST

- High-quality Konecranes components, such as strong chassis, proven major components, and durable spreader, enable a steady performance and high uptime
- Safe lifting and driving with heavy loads thanks to our heavy-duty box-type chassis and strong four-plate boxed lifting boom
- Full support from our worldwide service and spare part supply chains
- Less fuel consumption, reduced noise and emissions, thanks to our smart load-sensing hydraulics

OUR REACH STACKER REFINED

SMV 4525/4530TBE features

- EU / EPA stage 2 and 3a engines
- handrails and access platforms on left side
- basic electrical system with an MD3 controller, that provides a 3.5" colour display
- increased working pressure
- limited options available.





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HEAVY-DUTY
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SERVICE



MACHINE
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Konecranes is a world-leading group of Lifting Businesses™ offering lifting equipment and services that improve productivity in a wide variety of industries. The company is listed on Nasdaq Helsinki Ltd (symbol: KCR1V). With almost 12,000 employees at 600 locations in nearly 50 countries we have the resources, technology and determination to deliver on the promise of Lifting Businesses™.

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