Empty 8 – 10 tons, laden 33 – 45 tons
CONTAINER LIFT TRUCKS
WITH HEART
Konecranes
CONTAINER LIFT TRUCKS
TAKING CONTAINER HANDLING TO A HIGHER LEVEL

Konecranes has a long history of working with leading container ports and terminals that are expert buyers and operators of container lift trucks. Our customers demand a lot of us, and we have a long track record of meeting their requirements year after year.

Empty container lift trucks
Empty containers are non-paying containers that have to be moved out of the way and brought back into play, with the greatest possible efficiency. Our empty container lift trucks offer a very fast total operating speed as a function of lifting, lowering and driving speed based on load-sensing hydraulics. The range has mid-mounted or rear-mounted cabins and excellent stability.

Laden container lift trucks
Laden containers are paying containers that need to be moved with the right balance of efficiency and precision within the container handling process. Our laden container lift trucks offer a fast total operating speed (lifting + lowering + driving speed). The ratio of lifting capacity to truck size and length is best-in-class. These heavy-duty top-loaders are very stable and still rather compact.
Made with heart in every detail

**SMARTER WHERE IT MATTERS**

Konecranes has been manufacturing, selling and supporting heavy-duty lift trucks for some 60 years. Buy a container lift truck from us today and you will get the latest technology, the lowest Total Cost of Ownership, and a lift truck made with heart.

We claim the lowest Total Cost of Ownership with our container lift trucks, understood as an equation running over a time period of years as shown below. When you’re shopping around the suppliers and comparing prices, our truck will probably not be the cheapest. But it will provide the best value over time.

**TOTAL COST OF OWNERSHIP**

<table>
<thead>
<tr>
<th>Purchase value</th>
<th>Running costs</th>
<th>Second hand value</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>=</td>
<td>-</td>
</tr>
</tbody>
</table>

Depreciation

**Close to you**

We sell our lift trucks around the world in two main ways: directly via our own sales and service organizations in about ten countries, and indirectly via distributors in more than 80 countries. In both cases, our container lift trucks are fully supported with spare parts and personalized service. Konecranes has the widest service reach of any company in the lifting business. And our distributors are some of the most respected in the business.

**Service made easy**

To reduce lifetime running and maintenance costs we have extended the service interval of the engine by 500 hours, the gearbox by 1000 hours and the hydraulics by 4000 hours.

Our HLL ultra-fine filter system extends the hydraulic oil change interval from 4000 up to 12000 hours. In practice, you will use up to 80% less hydraulic oil than with a conventional hydraulic system.

**GENUINE KONECRANES PARTS**

Genuine Konecranes parts are the best protection for your investment. They pay off in truck performance and uptime.

**PARTS ONLINE**

> Easy to find, easy to buy

**REAL-TIME SHIPMENT INFORMATION**

> You know where your parts are

**FAST DELIVERY**

> Parts in stock are in your hands within 1–3 days

**PROTECTION BOX**

> All the filters you need, in one package
**LADEN CONTAINER LIFT TRUCKS**

1. **Reliable lifting**
   Lift masts adapted for laden container handling. Hoses and cables kept to a minimum for low maintenance costs and maximum uptime.

2. **Single stacking spreader**
   Toplift handling of 20–40 ft containers, 45–53 ft containers are lifted in 40 ft position with the 4 twistlocks. There are 4 lift eyes for sling cargo, large sideshift, reach in & out, slew left & right and mechanical pile slope. Large sideshift, mechanical pile slope and optional hydraulic pile slope.

3. **Maintenance-free brakes**
   Brakes with continuous oil cooling provide full braking power in every situation.

4. **Powerful engine**
   Certified low-emission engine provides extra high torque at low revs, reduced fuel consumption and low noise levels. We offer a variety of engines for EU stage 2/3a/3b and EPA Tier 2/3/4i.

5. **Excellent stability**
   Wide drive axle and long wheelbase: the two keys to excellent stability.

6. **Heavy-duty box-type chassis**
   The strongest on the market. The foundation of long-lasting high performance.

**EMPTY CONTAINER LIFT TRUCKS**

1. **Very fast lifting and lowering**
   The trucks can lift 8 containers high thanks to the wide mast: hoses and cables are kept to a minimum for low maintenance costs and maximum uptime. Heavy-duty mast and tilt cylinder solution for high stability and safety.

2. **Intelligent Electronic Machine Control, EMC Master**
   Full monitoring of all the vital components and functions. Programmable settings. CanBus technology increases engine and transmission reliability.

3. **ErgoCab, probably the best cabin on the market**
   Every detail has been carefully designed for comfort and safety. Controls, displays, ventilation and seating work to boost driver productivity. Excellent visibility in all directions.

4. **Powerful engine**
   Certified low-emission engine provides extra high torque at low revs, reduced fuel consumption and low noise levels. We offer a variety of engines for EU stage 2/3a/3b and EPA Tier 2/3/4i.

5. **Smart load-sensing hydraulics**
   They sense the load and adapt the lifting power to the weight of the load. The truck provides maximum power only when really needed, so it consumes less fuel while reducing emissions and noise.

6. **Single and double stacking**
   Sidelift handling of 20–40 ft containers, 45–53 ft containers are lifted in 40 ft position with the twistlocks only. Large sideshift, mechanical pile slope and optional hydraulic pile slope. Single mode lifts up to 8 containers high. Double mode lifts up to 2-over-6.
Satisfied customers around the world

OUT IN THE FIELD

Konecranes container lift trucks are hard at work around the world as an essential part of container port and intermodal operations.
Laden top-loader, Australia

Empty stacker, Belgium

Empty stacker, Germany

Laden top-loader, USA

Empty stacker, Indonesia

Empty stacker, Belgium
ErgoCab

TRULY SPACIOUS, REMARKABLE VISIBILITY

Customized precisely as you need.

Step inside and you will find that ErgoCab is truly spacious: there is plenty of room for the driver and any extra equipment you might require. “Large” is the standard size. XL and XXL are available as options.

You will also be struck by the remarkable visibility. The windows are very large. There are no corner posts, and the roof cross-member is thin yet very strong. We have done everything possible to ensure clear sightlines to the key working areas, in front, to the sides and to the rear.

You can customize ErgoCab precisely as you require for your container handling operation. Select the joystick, steering wheel, driver’s seat and instrumentation that you need.

The empty handlers have set cabin positions for optimized visibility: mid-mounted or rear-mounted on the chassis.

The laden handlers have a forward-mounted cabin (3–4 high) or a raised, mid-mounted cabin (4–5 high).

1. Remarkable visibility
   Visibility is very difficult to measure objectively: you just know it when you see it. Sit down in ErgoCab, see what visibility from a lift truck cabin can be.

2. Intelligent Electronic Machine Control
   Our eMC Master system gives the driver real-time information on truck performance including full monitoring of the engine, transmission, hydraulics and joystick.

3. Left armrest mini-steering options
   Optional, ergonomic steering solutions that improve productivity.

4. Ergonomic instrumentation
   Whatever extra equipment you need, we can install it as part of an ergonomic instrumentation layout. ErgoCab is truly spacious.

5. Comfort
   An excellent seat with compressor suspension, powerful cabin heating and ventilation, air conditioning – the driver is provided with every possible comfort.

6. Joystick control
   Available with a hydraulic joystick or electronic joystick (optional).
Mini-wheel steering
Lever steering without return
Right armrest joystick options
Hydraulic servo joystick
Electronic servo joystick
Konecranes invests significantly in container lift truck R&D to be the first to offer new technologies that improve performance and safety. We also ensure that our container lift trucks are fully compliant with emissions regulations, anticipating their evolution as a normal part of our product development process.

Emissions-compliant diesel engines
We offer a wide range of powerful Volvo, Scania and Cummins engines certified according to EU stage 2/3a/3b and US EPA Tier 2/3/4i. For EU stage 2/3a and US EPA Tier 2/3 compliance we can offer additional 2-way catalyzers or particle filters (including a catalyzer) to reduce exhaust emissions even further.

EMC Master
Our Intelligent Electronic Machine Control system, EMC Master, provides the following functions as standard:
- Full truck monitoring
- ECO-Drive and fuel management
- Productivity counter management

The following functions are optional:
- Electronic weight scale
- Mini-wheel steering
- Mini-lever steering
- Auto engine shut-down
- Auto parking brake
- Auto tilt-to-zero of lift mast
- Data logging of alarms and errors
- Remote Access Service (via GSM)
- Drive speed limitation (unloaded/loaded)
- Driver log-in (20 drivers)

NearGuard warning system
The award-winning NearGuard warning system is based on Radio Frequency Identification Detection (RFID) technology. The system consists of 2–4 receivers mounted on the lift truck and RFID tags attached to obstacles and/or employees working in the lift truck’s operating area. When the lift truck is driven in close proximity to a tagged obstacle or employee, the driver sees a flashing warning indicator on the EMC control system’s color display. NearGuard brings a powerful new dimension to lift truck safety and infrastructure protection.

Tire pressure monitor
Under-inflated tires can increase fuel consumption by as much as 15% while impairing stability and drivability. Our tire pressure monitor makes it easy to keep your lift truck tires properly inflated. It’s installed in minutes. If you combine it with the drive speed limitation provided by EMC Master you can extend the life of your tires even further.

Fire alarm and suppression system
We offer an effective fire alarm and suppression system that can be activated either manually or automatically. When the lift truck is in use, the system discharges in three ways: manually from inside the cabin; manually from outside via a mudguard trigger; automatically by sensors in the engine compartment. When the truck is not in use, i.e. when the master power switch is turned off, the system discharges automatically when the fire alarm goes off.

Other safety options
- Parking Distance Control (PDC): with sensors for driving in reverse
- Breath Analyzer: an alcohol test unit which requires the driver to take a breath test before starting the lift truck
- Camera Supervision System: can be mounted as a reversing camera on the rear of the lift truck, or as a forward camera mounted on e.g. the mast

1 EMC Master monitor
2 TURBO 2 air filter for engine, 2-stage cyclone heavy-duty filter with indicator
3 Tire pressure monitor
4 Additional lamps on console, choose between Halogen, Xenon and LED lamps. You can have up to 10 extra lamps
5 Reverse camera display
6 Choose between hydraulic servo and electronic servo joystick

For a complete list of standard vs. optional equipment, please see page 14.
Getting the job done right

ATTACHMENTS

For empty container handling

ELME 588-TB single stacking spreader
Telescopic sidelifter spreader for empty ISO containers with capacity up to 9 tons. Strong and well-proven single beam spreader design, two floating heads (±70 mm) with hydraulic operation and mechanical safety locking. Hydraulic extension with 2 cylinders (20–40 ft), large sideshift (±300 mm) with 1 cylinder. Spreader side tilt with floating end-posts (stroke 200 mm / mechanical pile slope). Hydraulic pile slope (±6 deg) and longer sideshift (±600 mm) are optional. Four strong LED work lamps (top-bottom/left-right).

ELME 584-LB double stacking spreader
Telescopic sidelifter spreader for single and double stacking of empty ISO containers with capacity up to 10 tons. Strong and well-proven single beam spreader design, with two fixed horizontal lifting hooks and two hydraulic side clamps with safety locking and sensors. Same extension 20–40 ft, large sideshift, side tilt with vertical floating end-posts (mechanical pile slope). Hydraulic pile slope (±6 deg) and longer sideshift (±600 mm) are optional. Four strong LED work lamps.

For laden container handling

ELME 818 gantry-type spreader
Telescopic toplift spreader for laden ISO containers with capacity up to 45 tons. Strong and well-proven parallel double beam spreader design, pendular twistlock system (±10 mm) with hydraulic operation and mechanical safety locking. Hydraulic cylinder extension (20–40 ft), large sideshift (±200 mm), reach in/out (0–240 mm) and slew left/right (±6 deg). Spreader side tilt with stroke of ±5 deg (MPS mechanical pile slope) and 4 lift eyes included for slings (45 tons). Hydraulic pile slope HPS is optional (±6 deg). The spreader frame and the end beams are of strong heavy-duty design. Weight 817-MPS/HPS = appr. 9.3/10.3 tons.
ELME 582-LS double stacking spreader
Telescopic sidelift spreader for single and double stacking of empty ISO containers with capacity up to 10 tons. Strong and well-proven single beam spreader design, with two pairs of horizontal twistlocks and safety locking with sensors. The lower twistlock pair lifts the lower container and the upper twistlock pair lifts the upper container, each twistlock pair with safety locking and sensors. The upper pair has a retract stroke of 110 mm (4.3") for alignment of the upper container. Same extension 20–40 ft, large sideshift, side tilt with vertical floating end-posts. Hydraulic pile slope (±6 deg) and longer sideshift (±600 mm) are optional. Four strong LED work lamps.
## STANDARD EQUIPMENT

### TRUCK BODY
- Box-type chassis
- Strong box profiles and cross-members
- Thick steel plate reinforcement, both front and rear
- Empty handlers: safe, ergonomic access steps and hand rails LHS
- Empty handlers: extra high tilt cylinder fixtures on mast and rear of chassis
- Empty handlers: lifting eyes, front in mast and rear in steer axle stops
- Laden handlers: safe, ergonomic access steps and hand rails LHS+RHS
- Laden handlers: high tilt cylinder fixtures on mast and mid of chassis
- Laden handlers: lifting eyes, front in mast and rear on top of counter weight

### Steel mudguards
- Box-type chassis
- Strong box profiles and cross-members
- Thick steel plate reinforcement, both front and rear
- Empty handlers: safe, ergonomic access steps and hand rails LHS
- Empty handlers: extra high tilt cylinder fixtures on mast and rear of chassis
- Empty handlers: lifting eyes, front in mast and rear in steer axle stops
- Laden handlers: safe, ergonomic access steps and hand rails LHS+RHS
- Laden handlers: high tilt cylinder fixtures on mast and mid of chassis
- Laden handlers: lifting eyes, front in mast and rear on top of counter weight

### Standard counter weights and stability
- Empty handlers: raised 875 mm / middle of chassis position (ECB 80)
- Empty handlers: raised rear cabin position, 1200 mm higher than standard (cab roof 5100 mm)
- Laden handlers: 37 G3/4, 45 G3/4, 52 G3/4: raised front cabin position, 400 or 700 mm higher than standard

### Empty handlers: raised 840 mm / middle of chassis position (37 G4S-52 G5S)
- Laden handlers: safe, ergonomic access steps and hand rails LHS+RHS
- Laden handlers: extra high tilt cylinder fixtures on mast and rear of chassis
- Laden handlers: lifting eyes, front in mast and rear on top of counter weight

### Optional Equipment

### TRUCK BODY
- Extra counter weights for increased stability
- Different mud flap models, front and rear
- Extra chassis mirrors
- Slip protection: strips or aluminum plates
- Fire extinguisher on truck body or inside cabin
- Fire fighting system for driveline compartment (semi-automatic)
- Galvanized storage boxes with lid (on bottom step)
- Custom colour painting, stickers, customer logos

### STEERING AXLE
- Smooth power steering with double-acting cylinder
- Wide steering angles providing small turning radius
- Wheel nut protection and steering cylinder spacers

### DRIVE AXLE
- Empty handlers: Kessler D81
- Laden handlers: Kessler D102 (37G-45G) / Kessler D106 (52G)
- Laden axles with 2-stage hub reduction and differential
- Oil-cooled, maintenance-free wet disc brakes

### DIESEL ENGINE
- See technical info chart, certified for EU stage 2 / EPA Tier 2
- Engine air filter, 2-stage type
- Turbo II, 2-stage cyclone type
- Clean, powerful, fuel-efficient with CanBus controls
- Engine oil filter Turbo II, 2-stage cyclone type

### TRANSMISSION
- Empty handlers: Dana TE-17 (3+3 gears)
- Laden handlers: Dana TE-27 (4+4 gears)
- Fully-automatic, softshift
- Torque converter, smooth powershift, declutch, reverse protection, CanBus controls

### COOLING SYSTEM
- Tropical, multi-radiator
- Radiators for engine water, air for intercooler, oil for transmission
- Oil cooling / flushing for brakes
- Extra radiator / cooling circuit for hydraulic system

### HYDRAULIC SYSTEM
- Load-sensing, power-on-demand
- Smooth, accurate, high-speed lifting and lowering
- Variable piston pumps with intelligent control
- Leak-free ORFS couplings (O-ring) for entire truck
- Shock-absorbing lift mast accumulator (models ECB 90-100)
- Large oil tanks with return line filters (12 microns)
- High-pressure filters (12 um)
- Hydraulic oil cooling circuit for working hydraulics

### ELECTRICAL SYSTEM 24V
- Alternator standard size 55–110 Ah (see engine chart)
- Bigger alternator 80–150 Ah (see engine chart)
- Reverse alarm (beeping)
- NearGuard RFID warning system (receiver and transmitters)
- NATO starting aid contact
- Built-in battery charger
- Pre-heater for engine, transmission, hydraulics and cabin
- Power connections 400V/3-phase for multiple preheaters
### Standard Equipment

#### Lights
- Full road lighting: LED; blinkers, brake lights, tail lights, position lights
- 2 x LED front lights on mudguard
- 2 x LED reverse lights on cabin (ECB 80 - 100) / counter weight (37G - 52G)
- 2 x LED work lights in lift mast
- 4 x LED work lights on spreader (ECB 80 - 100)
- 2 x LED work lights on spreader (37G - 52 G)

#### Cabin
- ErgoCab size large (L), two doors
  - L x W x H = 1580 x 1450 x 1620 mm
- Spacious, comfortable, excellent ergonomics
- Excellent visibility: no front corner posts
- Power heating and cooling unit
  - Air conditioning or climate control unit (stepless fan speed)
- Electrical connection 24V (1 x in cab roof RHS)
  - Extra mirrors inside cabin
- Extra electrical connections 24V (cab roof or front panel RHS)
- Extra electrical connections 12V (cab roof or front panel RHS)
- Three windshield wipers/washers
  - Interval wiper speed switches: front, roof and rear windows
- Adjustable seat, seat belt, steering wheel
  - Various compressor seats: BGE, ISRI, Grammer
  - Additional seat dampening: single or double
  - Two-point or three-point seat belt
  - Seat heating
  - Extra trainer’s seat, leather, fully-foldable LHS
  - Joystick (electronic servo / auto throttle)
  - Tire pressure monitor: cabin display, 6 tire sensors
  - Sun blinds: front, roof or rear windows, fixed or adjustable
  - Alcohol lock / start-up prohibitor (Dräger)
  - Reverse alarm (beeping)
  - Universal mounting system for RHS for A4/A5 writing pad, keyboard, computer monitor, com radio and reading lamp
- CD player / radio / MP3 player with dual loudspeakers

#### Machine Control
- Intelligent machine control with EMC Master Display: MD3, size 3.5”
  - Monitoring of engine, transmission, hydraulic system, service, hydraulic joystick, counters and info
- EMC 106: Monitoring (diagnostics/parameters/settings)
- EMC 123: EC0-Drive (fuel consumption, saving, settings)
- EMC 125: DATA-Log (storage of alarms and errors)
- EMC 102: Lever steering (with spring return to zero)
- EMC 103: Lever steering (no spring return to zero)
- EMC 104: Mini-wheel steering (speed progressive steer function)
- EMC 105: Mini-wheel steering (not progressive steer function)
- EMC 107: Electronic weight scale (resolution 0.1 ton)
- EMC 112: Auto engine shut-down timer
- EMC 114: Electronic servo joystick (auto throttle)
- EMC 122: Drive speed settings (on/off, programmable)
- EMC 124: Driver log-in (up to 20 drivers)
- EMC 126: GSM remote access
- NearGuard RFID warning system (receiver and transmitters)

#### Lifting Masts
- High-speed, wide, high stability
  - Only two hydraulic hoses and one cable over top of mast

#### Spreaders
- Empty handlers: for single lifting ELM 588TB with 2 vertical twistlocks (ECB 80-90)
  - 20–40 ft stops
  - MPS Mechanical Pile Slope 200 mm
- Empty handlers: for double lifting ELM 584LB with 2 side lifting hooks + 2 side clamps (ECB 100 DS)
  - 20 ft and 40 ft stops
  - MPS Mechanical Pile Slope 200 mm
- Laden handling: ELM 818 with 4 vertical floating twistlocks
  - 20–40 ft stops
  - MPS Mechanical Pile Slope ±5 deg

#### Service and Parts
- Regular warranty 12 months / 2000 hours
- Extended warranty on truck and driveline (18–36 months / 3000–6000 hours)
- Spare tires, rims, complete wheels: various brands
- Spare part kits: basic, extended, special
- Complete filter kits: 2000 hours up to 8000 hours

### Optional Equipment

#### Lights
- Lamp console on cabin roof: up to 10 work lamps and 2 warning beacons
- Extra work lights: Halogen (70 W), Xenon (3250 Lum), or LED (2900 Lum)
- LED warning beacons: cabin roof, lamp console, mast, rear or other position
- LED strobe warning flash lights: front, rear or other position

#### Cabin
- ErgoCab size extra-large (XL)
  - L x W x H = 1655 x 1450 x 1720 mm (longer and higher)
- Extra mirrors inside cabin
- Reverse and front cameras with 6.7” display (MOTEC)
- Extra electric cabin heater 220V (DEFA)
- Extra diesel-powered cabin heater (Webasto)
- Extra electrical connections 24V (cab roof or front panel RHS)
- Extra electrical connections 12V (cab roof or front panel RHS)
- Interval wiper speed switches: front, roof and rear windows
- Pneumatic compressor horn: extra button or on joystick
- Various compressor seats: BEGE, ISRI, Grammer
- Additional seat dampening: single or double
- Two-point or three-point seat belt
- Seat heating
- Extra trainer’s seat, leather, fully-foldable LHS
- Joystick (electronic servo / auto throttle)
- Tire pressure monitor: cabin display, 6 tire sensors
- Sun blinds: front, roof or rear windows, fixed or adjustable
- Alcohol lock / start-up prohibitor (Dräger)
- Reverse alarm (beeping)
- Universal mounting system for RHS for A4/A5 writing pad, keyboard, computer monitor, com radio and reading lamp
- CD player / radio / MP3 player with dual loudspeakers

#### Machine Control
- Display: MDL2, size 6.5”
- Monitoring of engine, transmission, hydraulic system, service, hydraulic joystick, counters and info
- EMC 102: Lever steering (with spring return to zero)
- EMC 103: Lever steering (no spring return to zero)
- EMC 104: Mini-wheel steering (speed progressive steer function)
- EMC 105: Mini-wheel steering (not progressive steer function)
- EMC 107: Electronic weight scale (resolution 0.1 ton)
- EMC 112: Auto engine shut-down timer
- EMC 114: Electronic servo joystick (auto throttle)
- EMC 122: Drive speed settings (on/off, programmable)
- EMC 124: Driver log-in (up to 20 drivers)
- EMC 126: GSM remote access
- NearGuard RFID warning system (receiver and transmitters)

#### Lifting Masts
- High-speed, wide, high stability
  - Only two hydraulic hoses and one cable over top of mast

#### Spreaders
- Empty handlers: for single lifting ELM 588TB with 2 vertical twistlocks (ECB 80-90)
  - 20–40 ft stops
  - MPS Mechanical Pile Slope 200 mm
- Empty handlers: for double lifting ELM 584LB with 2 side lifting hooks + 2 side clamps (ECB 100 DS)
  - 20 ft and 40 ft stops
  - MPS Mechanical Pile Slope 200 mm
- Empty handlers: ELM 582LS with 2+2 side twistlocks (ECB 100 ds)
  - 20 ft and 40 ft stops
  - MPS Mechanical Pile Slope ±5 deg

#### Service and Parts
- Extended warranty on truck and driveline (18–36 months / 3000–6000 hours)
- Spare tires, rims, complete wheels: various brands
- Spare part kits: basic, extended, special
- Complete filter kits: 2000 hours up to 8000 hours
## Empty container lift trucks 8 – 10 tons

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SMV 3 - 6 / ECB 80</th>
<th>SMV 3 - 8 / ECB 80 - 90 - 100 DS</th>
</tr>
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<tbody>
<tr>
<td><strong>Engine</strong></td>
<td><strong>Make</strong></td>
<td>** Units**</td>
</tr>
<tr>
<td>Model</td>
<td>TAD-620-VE</td>
<td>Volvo</td>
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<tr>
<td>Emission approval, EU / US</td>
<td>St 2 / Tier 2</td>
<td>4 / 4</td>
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<tr>
<td>Power / max speed (ISO 3046) kW/rpm</td>
<td>147 / 2300</td>
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<tr>
<td>Torque @ speed (ISO 3046) Nm/rpm</td>
<td>700 / 1500</td>
<td>800 / 1600</td>
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<tr>
<td>Displacement / cylinders L/-</td>
<td>5.7 / 6-cyl</td>
<td>5.7 / 6-cyl</td>
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<tr>
<td>Alternator power / capacity W/Amp</td>
<td>1540 / 55</td>
<td>2240 / 80</td>
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<tr>
<td>Fuel consumption (normal) L/hour</td>
<td>7-10</td>
<td>6-10</td>
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<tr>
<td>Transmission (make / model)</td>
<td>DANA TE-17</td>
<td>ZF 3WG-171</td>
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## Laden container lift trucks 33 – 45 tons

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SMV 3 - 6 / ECB 80</th>
<th>SMV 3 - 8 / ECB 80 - 90 - 100 DS</th>
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</thead>
<tbody>
<tr>
<td><strong>Engine</strong></td>
<td><strong>Make</strong></td>
<td>** Units**</td>
</tr>
<tr>
<td>Emission approval, EU / US</td>
<td>St 2 / Tier 2</td>
<td>256 / 2100</td>
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<tr>
<td>Torque @ speed (ISO 3046) Nm/rpm</td>
<td>1770 / 1250</td>
<td>1950 / 1200</td>
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<tr>
<td>Displacement / cylinders L/-</td>
<td>12.8 / 6-cyl</td>
<td>12.7 / 6-cyl</td>
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<tr>
<td>Alternator power / capacity W/Amp</td>
<td>3080 / 110</td>
<td>2800 / 100</td>
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</table>

## Technical Data, Container Lift Trucks

**DRIVELINES**

**Empty container lift trucks 8 – 10 tons**

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<tr>
<th>Make</th>
<th>Volvo</th>
<th>Volvo</th>
<th>Volvo</th>
<th>Volvo</th>
<th>Volvo</th>
<th>Cummins</th>
<th>Volvo</th>
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<td>St 3a / Tier 3</td>
<td>St 3b / Tier 4i</td>
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<td>St 3a / Tier 3</td>
<td>St 3b / Tier 4i</td>
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<tr>
<td>Power / max speed (ISO 3046) kW/rpm</td>
<td>147 / 2300</td>
<td>155 / 2300</td>
<td>180 / 2300</td>
<td>184 / 2300</td>
<td>201 / 2300</td>
<td>185 / 2300</td>
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<tr>
<td>Torque @ speed (ISO 3046) Nm/rpm</td>
<td>700 / 1500</td>
<td>800 / 1600</td>
<td>820 / 1200</td>
<td>1050 / 1400</td>
<td>1100 / 1500</td>
<td>990 / 1500</td>
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<tr>
<td>Displacement / cylinders L/-</td>
<td>5.7 / 6-cyl</td>
<td>5.7 / 6-cyl</td>
<td>4.8 / 4-cyl</td>
<td>7.2 / 6-cyl</td>
<td>7.2 / 6-cyl</td>
<td>6.7 / 6-cyl</td>
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<tr>
<td>Alternator power / capacity W/Amp</td>
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<td>2240 / 80</td>
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<td>2240 / 80</td>
<td>1960 / 70</td>
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<tr>
<td>Fuel consumption (normal) L/hour</td>
<td>7-10</td>
<td>6-10</td>
<td>5-10</td>
<td>7-12</td>
<td>7-12</td>
<td>7-12</td>
<td></td>
</tr>
<tr>
<td>Transmission (make / model)</td>
<td>DANA TE-17</td>
<td>ZF 3WG-171</td>
<td>DANA TE-17</td>
<td>ZF 3WG-171</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Laden container lift trucks 33 – 45 tons**

<table>
<thead>
<tr>
<th>Make</th>
<th>Volvo</th>
<th>Scania</th>
<th>Scania</th>
<th>QSM 11-C335</th>
<th>Volvo</th>
<th>Scania</th>
<th>Scania</th>
<th>DC-13-081</th>
<th>Scania</th>
<th>DC-13-077</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power / max speed (ISO 3046) kW/rpm</td>
<td>256 / 2100</td>
<td>257 / 2100</td>
<td>257 / 2100</td>
<td>272 / 2100</td>
<td>256 / 1900</td>
<td>257 / 2100</td>
<td>257 / 2100</td>
<td>285 / 1900</td>
<td>285 / 1900</td>
<td></td>
</tr>
<tr>
<td>Torque @ speed (ISO 3046) Nm/rpm</td>
<td>1770 / 1250</td>
<td>1950 / 1200</td>
<td>1640 / 1400</td>
<td>1674 / 1000</td>
<td>1740 / 1200</td>
<td>1950 / 1200</td>
<td>1940 / 1000</td>
<td>2157 / 2100</td>
<td>2157 / 2100</td>
<td></td>
</tr>
<tr>
<td>Displacement / cylinders L/-</td>
<td>12.8 / 6-cyl</td>
<td>12.7 / 6-cyl</td>
<td>12.7 / 6-cyl</td>
<td>12.7 / 6-cyl</td>
<td>12.8 / 6-cyl</td>
<td>12.7 / 6-cyl</td>
<td>12.8 / 6-cyl</td>
<td>12.7 / 6-cyl</td>
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<td></td>
</tr>
<tr>
<td>Alternator power / capacity W/Amp</td>
<td>3080 / 110</td>
<td>2800 / 100</td>
<td>2800 / 100</td>
<td>1960 / 70</td>
<td>3080 / 110</td>
<td>2800 / 100</td>
<td>3080 / 110</td>
<td>2800 / 100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Empty container handlers

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Capacity</th>
<th>Wheelbase</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMV 3 ECB 80</td>
<td>8 tons at 1220 mm 3750 mm</td>
<td></td>
</tr>
<tr>
<td>SMV 4 ECB 80</td>
<td>8 tons at 1220 mm 3750 mm</td>
<td></td>
</tr>
<tr>
<td>SMV 5 ECB 80</td>
<td>8 tons at 1220 mm 3750 mm</td>
<td></td>
</tr>
<tr>
<td>SMV 6 ECB 80</td>
<td>8 tons at 1220 mm 3750 mm</td>
<td></td>
</tr>
</tbody>
</table>

**Single stacking**
- 3-6 high
- up to 8 tons

**Double stacking**
- 4-8 high
- up to 10 tons

*DS = double-stacking spreader

### Laden container handlers

**Low cabin**
- 3-4 high
- 33-35 tons

**High/mid cabin**
- 4 high
- 33-35 tons

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Capacity</th>
<th>Wheelbase</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMV 37 G3-G4</td>
<td>35/33 tons at 1490/1730 mm 5000 mm</td>
<td></td>
</tr>
<tr>
<td>SMV 45 G3-G4</td>
<td>43/41 tons at 1490/1730 mm 5500 mm</td>
<td></td>
</tr>
<tr>
<td>SMV 52 G3-G4</td>
<td>45/43 tons at 1490/1730 mm 6000 mm</td>
<td></td>
</tr>
<tr>
<td>SMV 37 G4S</td>
<td>35/33 tons at 1490/1730 mm 5000 mm</td>
<td></td>
</tr>
<tr>
<td>SMV 45 G4S-GSS</td>
<td>42/41 tons at 1490/1730 mm 5500 mm</td>
<td></td>
</tr>
<tr>
<td>SMV 52 G4S-GSS</td>
<td>45/43 tons at 1490/1730 mm 6000 mm</td>
<td></td>
</tr>
</tbody>
</table>

**Low cabin**
- 3-4 high
- 41-45 tons

**High/mid cabin**
- 4-5 high
- 41-45 tons

---

Empty container handlers

Laden container handlers
DIMENSION MEASUREMENT IDENTIFIERS

Empty container lift trucks
Laden container lift trucks
## Empty container lift trucks, 8 – 10 tons

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SMV 3 ECB 80</th>
<th>SMV 4 ECB 80</th>
<th>SMV 5 ECB 80</th>
<th>SMV 6 ECB 80</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LIFTING DATA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Dimensions</td>
<td>Identifier</td>
<td>Units</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lifting capacity / load center</td>
<td>LC1</td>
<td>kg/mm</td>
<td>8000 / 1220</td>
<td>8000 / 1220</td>
</tr>
<tr>
<td>Stacking height, single mode (9'6&quot; / 8'6&quot;)</td>
<td></td>
<td></td>
<td>3 x 9'6&quot; / 3 x 8'6&quot;</td>
<td>4 x 9'6&quot; / 4 x 8'6&quot;</td>
</tr>
<tr>
<td>Stacking height, double mode (9'6&quot; / 8'6&quot;)</td>
<td></td>
<td></td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Spreader type, telescopic, locking</td>
<td></td>
<td></td>
<td>Vertical twistlocks, 20-40 ft, safety locking, LED lamps</td>
<td></td>
</tr>
<tr>
<td>Load limit center</td>
<td>L4</td>
<td>mm</td>
<td>1095</td>
<td>1095</td>
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<tr>
<td>Wheelbase</td>
<td>L3</td>
<td>mm</td>
<td>3750</td>
<td>3750</td>
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<tr>
<td><strong>WEIGHT</strong></td>
<td></td>
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</tr>
<tr>
<td>Service weight</td>
<td>kg</td>
<td>26900</td>
<td>28000</td>
<td>28800</td>
</tr>
<tr>
<td>Axle pressure front, unloaded / at rated load</td>
<td>kg</td>
<td>14600 / 27500</td>
<td>15700 / 28600</td>
<td>16700 / 29600</td>
</tr>
<tr>
<td>Axle pressure rear, unloaded / at rated load</td>
<td>kg</td>
<td>12300 / 7400</td>
<td>12300 / 7400</td>
<td>12100 / 7200</td>
</tr>
<tr>
<td><strong>WHEELS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tire type</td>
<td>Pneumatic</td>
<td>Pneumatic</td>
<td>Pneumatic</td>
<td>Pneumatic</td>
</tr>
<tr>
<td>Tire dimensions / ply rating, front &amp; rear</td>
<td>Inch</td>
<td>12.00 x 20&quot; / PR 20</td>
<td>12.00 x 20&quot; / PR 20</td>
<td>12.00 x 20&quot; / PR 20</td>
</tr>
<tr>
<td>Rim dimensions, front &amp; rear</td>
<td>Inch</td>
<td>8.00 x 20&quot;</td>
<td>8.00 x 20&quot;</td>
<td>8.00 x 20&quot;</td>
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<tr>
<td>Tire pressure, front / rear</td>
<td>MPa</td>
<td>1.0 / 1.0</td>
<td>1.0 / 1.0</td>
<td>1.0 / 1.0</td>
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<tr>
<td>Number of wheels, front / rear (X = driven)</td>
<td></td>
<td>4X / 2</td>
<td>4X / 2</td>
<td>4X / 2</td>
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<tr>
<td>Track width, front / rear</td>
<td>T1 / T2</td>
<td>mm</td>
<td>2843 / 2036</td>
<td>2843 / 2036</td>
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<tr>
<td><strong>PERFORMANCE</strong></td>
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<td></td>
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<td></td>
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<tr>
<td>Mast tilt, backward / forward</td>
<td>β / α</td>
<td>deg</td>
<td>2 / 4</td>
<td>2 / 4</td>
</tr>
<tr>
<td>Lift height, min - max</td>
<td>H1 - H2 mm</td>
<td>2255 - 9170</td>
<td>2255 - 11920</td>
<td>2255 - 14920</td>
</tr>
<tr>
<td>Mast height, retracted / extended</td>
<td>H3 - H4 mm</td>
<td>5145 / 9490</td>
<td>6520 / 12240</td>
<td>8020 / 15240</td>
</tr>
<tr>
<td>Truck height over cab / seat height</td>
<td>H5 - H6 mm</td>
<td>2905 - 1815</td>
<td>3780 - 2680</td>
<td>3780 - 2680</td>
</tr>
<tr>
<td>Overall length, incl. spreader / container</td>
<td>L1 - L2 mm</td>
<td>8080 - 5640</td>
<td>8080 - 5640</td>
<td>8080 - 5640</td>
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<tr>
<td>Drive axle width</td>
<td>W1</td>
<td>mm</td>
<td>2500</td>
<td>3530</td>
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<tr>
<td>Spreader width, min - max</td>
<td>W2 - W3</td>
<td>mm</td>
<td>6085 - 12220</td>
<td>6085 - 12220</td>
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<tr>
<td>Spreader sideshift</td>
<td>S5</td>
<td>mm</td>
<td>± 300</td>
<td>± 300</td>
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<tr>
<td>Mechanical Pile Slope (side tilt / no power)</td>
<td>P5</td>
<td>mm</td>
<td>0 - 200</td>
<td>0 - 200</td>
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<tr>
<td>Ground clearance, mast / steering axle</td>
<td>C1 / C3 mm</td>
<td>250 / 200</td>
<td>250 / 200</td>
<td>250 / 200</td>
</tr>
<tr>
<td>Axle width (with 20 ft / 40 ft container)</td>
<td>A1 / A2 mm</td>
<td>8965 / 13700</td>
<td>8965 / 13700</td>
<td>8965 / 13700</td>
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<tr>
<td>Turning radius, inner</td>
<td>R1</td>
<td>mm</td>
<td>100 / (±100)</td>
<td>100 / (±100)</td>
</tr>
<tr>
<td>Turning radius, outer 20 ft / outer 40 ft</td>
<td>R2 / R3</td>
<td>mm</td>
<td>5055 / 7985</td>
<td>5055 / 7985</td>
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<tr>
<td>Drive speed forward, unloaded / at rated load</td>
<td>km/h</td>
<td>25 / 25</td>
<td>25 / 25</td>
<td>25 / 25</td>
</tr>
<tr>
<td>Drive speed reverse, unloaded / at rated load</td>
<td>km/h</td>
<td>25 / 25</td>
<td>25 / 25</td>
<td>25 / 25</td>
</tr>
<tr>
<td>Lowering speed, unloaded / at rated load</td>
<td>m/s</td>
<td>0.52 / 0.45</td>
<td>0.52 / 0.45</td>
<td>0.52 / 0.45</td>
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<tr>
<td>Gradeability, at rated load, 0/2 km/h</td>
<td>% / %</td>
<td>26 / 22</td>
<td>26 / 22</td>
<td>26 / 22</td>
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<tr>
<td>Towing power, at rated load, 0/2 km/h</td>
<td>kW / kN</td>
<td>107 / 85</td>
<td>107 / 85</td>
<td>107 / 85</td>
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<tr>
<td><strong>DRIVE &amp; STEERING</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engine power (min - max)</td>
<td>EU2 / EU3b kW</td>
<td>147 - 201</td>
<td>147 - 201</td>
<td>147 - 201</td>
</tr>
<tr>
<td>Engine torque (min - max)</td>
<td>EU2 / EU3b Nm</td>
<td>700 - 1180</td>
<td>700 - 1180</td>
<td>700 - 1180</td>
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<tr>
<td>Transmission, gears forward + reverse</td>
<td>DANA 3+3 / ZF 3+3</td>
<td>DANA 3+3 / ZF 3+3</td>
<td>DANA 3+3 / ZF 3+3</td>
<td>DANA 3+3 / ZF 3+3</td>
</tr>
<tr>
<td>Transmission type, function, shifting</td>
<td>Fully automatic, torque converter, reverse protection, powershift</td>
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<tr>
<td>Drive axle model</td>
<td>Kessler DB1 with differential</td>
<td></td>
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<tr>
<td>Driving brake system, type</td>
<td>Oil cooled multiple wet disc brakes (WDB)</td>
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<tr>
<td>Parking brake system, type</td>
<td>Dry single disc / spring release</td>
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<tr>
<td>Steering system / steering axle type</td>
<td>Hydraulic power steering / HD axle with double-acting cylinder</td>
<td></td>
<td></td>
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<tr>
<td><strong>LOAD SENSING HYDRAULICS / POWER-ON-DEMAND</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydraulic oil pressure, mast / spreader</td>
<td>MPa</td>
<td>22 / 15</td>
<td>22 / 15</td>
<td>23 / 15</td>
</tr>
<tr>
<td>Diesel / hydraulic tank volumes</td>
<td>Lit</td>
<td>243 / 272</td>
<td>243 / 272</td>
<td>243 / 272</td>
</tr>
<tr>
<td>Noise level inside cab (LM) DIN 45635</td>
<td>EU2 / EU3b dB(A)</td>
<td>68 / 66</td>
<td>68 / 66</td>
<td>68 / 66</td>
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<tr>
<td>Noise level outside cab (LpA2) EN 12053</td>
<td>dB(A)</td>
<td>72</td>
<td>72</td>
<td>72</td>
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<tr>
<td>Noise level outside (LWA) 2000/1/4/ED</td>
<td>dB(A)</td>
<td>109</td>
<td>109</td>
<td>109</td>
</tr>
</tbody>
</table>

**NOTE 1.** Other capacities available upon request

**NOTE 2.** Additional container stops can be provided at 24 ft, 30 ft and 35 ft (only for single-stacking)

**NOTE 3.** For models ECB 90-100, Hydraulic Pile Slope ±6 deg and increased sideshift to ±600 mm are available

**NOTE 4.** For model ECB 90, 14.00 x 24" / PR 24 tires are available

**NOTE 5.** For available drive combinations, see the driveline chart and the latest factory information

**NOTE 6.** SMV 6 ECB 80 lifts 8000 kg up to 5 high and 6000 kg up to 6 high
### SMV 5/6 ECB 90
- **Model**: SMV 6/7 ECB 90
- **Note 1**: Other capacities available upon request

### SMV 4/5 ECB 100 DS
- **Model**: SMV 5/6 ECB 100 DS
- **Note 2**: Additional container stops can be provided at 24 ft, 30 ft, and 35 ft (only for single-stacking)

### SMV 7/8 ECB 90
- **Model**: SMV 6/7 ECB 100 DS
- **Note 3**: For models e CB 90-100, hydraulic pile slope ±6 deg and increased sideshift to ±600 mm are available

### SMV 6/7 ECB 100 DS
- **Model**: SMV 6/7 ECB 100 DS
- **Note 4**: For models e CB 90, 14.00 x 24" / Pr 24 tires are available

### Noise Level Outside (LWA)
- **Model**: 6 Smv 6 eCB 80
- **Value**: 2000/14/EC dB(a) 109

### Diesel / Hydraulic Tank Volumes
- **Model**: 6 Smv 6 eCB 80
- **Value**: 243 / 272

### Hydraulic Oil Pressure, Mast / spreader
- **Model**: 6 Smv 6 eCB 80
- **Value**: 22 / 15

### Load-sensing Hydraulics / Power-on-demand
- **Model**: 6 Smv 6 eCB 80
- **Value**: Yes / yes

### Steering System / Steering Axle Type
- **Model**: 6 Smv 6 eCB 80
- **Value**: Hydraulic power steering / hd axle with double-acting cylinder

### Parking Brake System, Type
- **Model**: 6 Smv 6 eCB 80
- **Value**: Dry single disc / spring release

### Driving Brake System, Type
- **Model**: 6 Smv 6 eCB 80
- **Value**: Oil-cooled multiple wet disk brakes (W DB)

### Drive Axle Model
- **Model**: 6 Smv 6 eCB 80
- **Value**: Kessler d81 with differential

### Transmission Type, Function, Shifting
- **Model**: 6 Smv 6 eCB 80
- **Value**: Fully automatic, torque convertor, reverse protection, powershift

### Transmission, Gears Forward + Reverse
- **Model**: 6 Smv 6 eCB 80
- **Value**: Dana 3+3 / ZF 3+3

### Engine Power (min - max)
- **Model**: 6 Smv 6 eCB 80
- **Value**: 147 - 201 kW

### Lifting Speed, Unloaded / at 70% of Rated Load
- **Model**: 6 Smv 6 eCB 80
- **Value**: 0.52 / 0.45 m/s

### Turning Radius, Outer
- **Model**: 6 Smv 6 eCB 80
- **Value**: 20 ft / 40 ft

### Ground Clearance, Mast / Steering Axle
- **Model**: 6 Smv 6 eCB 80
- **Value**: 0 - 200 mm

### Mechanical Pile Slope (Side Tilt / No Power)
- **Model**: 6 Smv 6 eCB 80
- **Value**: ± 300 mm

### Spreader Sideshift
- **Model**: 6 Smv 6 eCB 80
- **Value**: ± 300 mm

### Spreader Width, Min - Max
- **Model**: 6 Smv 6 eCB 80
- **Value**: 6085 - 12220 mm

### Lifting Height, Min - Max
- **Model**: 6 Smv 6 eCB 80
- **Value**: 9045 - 6660 mm

### Track Width, Front / Rear
- **Model**: 6 Smv 6 eCB 80
- **Value**: 1270 / 900 mm

### Number of Wheels, Front / Rear (X = Driven)
- **Model**: 6 Smv 6 eCB 80
- **Value**: 4X / 2

### Tire Pressure, Front / Rear
- **Model**: 6 Smv 6 eCB 80
- **Value**: 1.0 / 1.0 MPa

### Axle Pressure Rear, Unloaded / at Rated Load
- **Model**: 6 Smv 6 eCB 80
- **Value**: 12100 / 7200 kg

### Service Weight
- **Model**: 6 Smv 6 eCB 80
- **Value**: 26900 kg

### Lift hooks & hydr. side clamps, 20-40 ft, safety locking, LED lamps
- **Model**: 6 Smv 6 eCB 80
- **Value**: 3270 - 2262 mm

### Additional Information
- This publication is for general informational purposes only. Konecranes reserves the right at any time, without notice, to alter or discontinue the products and/or specifications referenced herein. This publication creates no warranty on the part of Konecranes, express or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose.
**TECHNICAL DATA**

**Laden container lift trucks, 33 – 45 tons**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Identifier</th>
<th>Dimensions</th>
<th>SMV 37 G3</th>
<th>SMV 37 G4 (G4S*)</th>
<th>SMV 45 G3</th>
<th>SMV 45 G4 (G4S*)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift capacity / load center</td>
<td>LC1</td>
<td>kg/mm</td>
<td>35000 / 1490</td>
<td>35000 / 1490</td>
<td>43000 / 1490</td>
<td>43000 / 1490</td>
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<tr>
<td>Lift capacity / load center</td>
<td>LC2</td>
<td>kg/mm</td>
<td>33000 / 1730</td>
<td>33000 / 1730</td>
<td>41000 / 1730</td>
<td>41000 / 1730</td>
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<tr>
<td>Stacking height, single mode (9°6’ / 8°6’’)</td>
<td></td>
<td></td>
<td>3 x 9°6’ / 3 x 8°6’</td>
<td>4 x 9°6’ / 4 x 8°6’</td>
<td>3 x 9°6’ / 3 x 8°6’</td>
<td>4 x 9°6’ / 4 x 8°6’</td>
</tr>
<tr>
<td>Load center</td>
<td>L4</td>
<td>mm</td>
<td>870</td>
<td>870</td>
<td>870</td>
<td>870</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>L3</td>
<td>mm</td>
<td>5000</td>
<td>5000</td>
<td>5500</td>
<td>5500</td>
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<tr>
<td>Twistlocks, 20-40 ft, safety locking</td>
<td></td>
<td></td>
<td>Yes / yes</td>
<td>Yes / yes</td>
<td>Yes / yes</td>
<td>Yes / yes</td>
</tr>
<tr>
<td>Width, 20-40 ft</td>
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<td></td>
<td>24 / 22</td>
<td>25 / 22</td>
<td>25 / 22</td>
<td>25 / 22</td>
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<tr>
<td>Height, 20-40 ft</td>
<td></td>
<td></td>
<td>73 / 71</td>
<td>73 / 71</td>
<td>73 / 71</td>
<td>73 / 71</td>
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<tr>
<td>Length, 20-40 ft</td>
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<td>256 - 294</td>
<td>256 - 294</td>
<td>256 - 294</td>
<td>256 - 294</td>
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<tr>
<td>Engine power (min – max)</td>
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<td>EU2 / EU3b</td>
<td>kW</td>
<td>256 – 294</td>
<td>256 – 294</td>
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<tr>
<td>Engine power (min – max)</td>
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<td></td>
<td>EU2 / EU3b</td>
<td>kN</td>
<td>1640 – 2172</td>
<td>1640 – 2172</td>
</tr>
<tr>
<td>Drive axle model</td>
<td></td>
<td></td>
<td>Kessler D102 with differential</td>
<td>Kessler D102 with differential</td>
<td>Kessler D102 with differential</td>
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</table>

**NOTE 1. Other capacities available upon request**

**NOTE 2. Increased sideshift to ±400 mm is available**

**NOTE 3. Container guides on one side of spreader are also available**

**NOTE 4. Four lifting eyes on spreader are standard; extra ones are available**

**NOTE 5. Additional container stops can be provided at 24 ft, 30 ft and 35 ft (only for single-stacking)**

**NOTE 6. For available drive line combinations, see the drive line chart and the latest factory information**
### SMV 45 G55

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- Automatic, torque converter, reverse protection, powershift
- Kessler D106 with differential
- Oil-cooled multiple wet disk brakes (WDB)
- Dry single disc / spring release
- Hydraulic power steering / HD axle + double-acting cylinder

|        | Yes / yes | Yes / yes | Yes / yes | Yes / yes |
|        | 24 / 15 | 24 / 15 | 24 / 15 | 24 / 15 |
|        | 510 / 550 | 550 / 620 | 550 / 620 | 550 / 620 |
|        | 73 / 71 | 73 / 71 | 73 / 71 | 73 / 71 |
|        | 75 | 75 | 75 | 75 |
|        | 111 | 111 | 111 | 111 |
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 OMX Helsinki Ltd (symbol: KCR1V). With over 12,000 employees at more than 600 locations in almost 50 countries we have the resources, technology and determination to deliver on the promise of Lifting Businesses™.

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