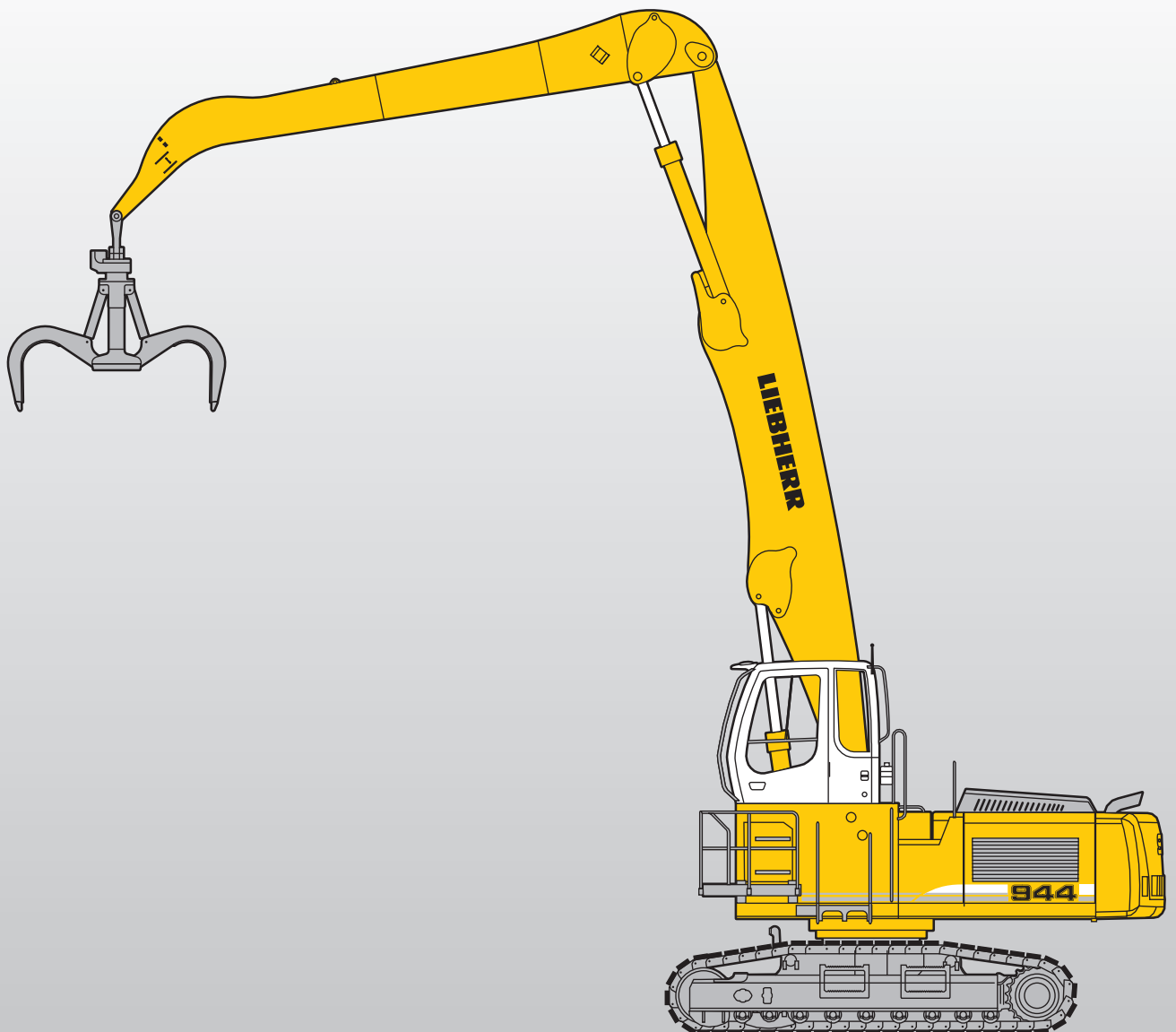


Machine for Industrial Applications R 944 C

Litronic®

Operating Weight: 46,900 – 53,300 kg
Engine Output: 190 kW / 258 HP



LIEBHERR

Technical Data



Engine

| | |
|---------------------|--|
| Rating per ISO 9249 | 190 kW (258 HP) at 1800 RPM |
| Model | Liebherr D 936 L |
| Type | 6 cylinder in-line |
| Bore/Stroke | 122/150 mm |
| Displacement | 10,5 l |
| Engine operation | 4-stroke diesel unit pump system turbo-charged and after-cooled reduced emissions |
| Cooling | water-cooled and integrated motor oil cooler |
| Air cleaner | dry-type air cleaner with pre-cleaner, primary and safety elements, automatic dust discharge |
| Fuel tank | 660 l |
| Standard | sensor controlled engine idling |
| Electrical system | |
| Voltage | 24 V |
| Batteries | 2 x 170 Ah/12 V |
| Starter | 24 V/6,6 kW |
| Alternator | three phase current 28 V/80 A |



Hydraulic System

| | |
|---|--|
| Hydraulic pump for attachment and travel drive | two Liebherr variable flow, swash plate pumps |
| Max. flow | 2 x 303 l/min. |
| Max. pressure | 350 bar |
| Pump regulation | electro-hydraulic with electronic engine speed sensing regulation, pressure compensation, flow compensation, automatic oil flow optimizer |
| Hydraulic pump for swing drive | reversible, variable flow, swash plate pump, closed-loop circuit |
| Max. flow | 205 l/min. |
| Max. pressure | 400 bar |
| Hydraulic tank | 460 l |
| Hydraulic system | 710 l |
| Hydraulic oil filter | 2 full flow filters in return line with integrated fine filter area (5 µm) |
| Hydraulic oil cooler | cooler unit, consisting of radiator for engine coolant with after-cooler core, for hydraulic fluid with hydrostatically controlled fan drive |
| MODE selection | adjustment of machine performance and the hydraulics via a mode selector to match application |
| ECO | for especially economical and environmentally friendly operation |
| POWER | for maximum digging power and heavy duty jobs |
| LIFT | for lifting |
| FINE | for precision work and lifting through very sensitive movements |
| RPM adjustment | stepless adjustment of engine output via the rpm at each selected mode |
| Liebherr Tool Control | ten preadjustable pump flows and pressures for add on tools (option) |



Hydraulic Controls

| | |
|----------------------|--|
| Power distribution | via monoblock control valve with integrated safety valves |
| Flow summation | to boom and stick |
| Closed-loop circuit | for uppercarriage swing drive |
| Servo circuit | |
| Attachment and swing | – proportional via joystick levers |
| Travel | – proportional via foot pedals or removable hand levers – speed pre-selection |
| Additional functions | via foot pedals or joystick toggle switch |



Swing Drive

| | |
|---------------|--|
| Drive by | Liebherr swash plate motor |
| Transmission | Liebherr compact planetary reduction gear |
| Swing ring | Liebherr, sealed single race ball bearing swing ring, internal teeth |
| Swing speed | 0 – 8 RPM stepless |
| Swing torque | 125 kNm |
| Holding brake | wet multi-disc (spring applied, pressure released) |
| Option | pedal controlled positioning brake |



Operator's Cab

| | |
|-----------------|--|
| Cab | built from deep drawn components, resiliently mounted, sound insulated, tinted windows, front window stores overhead, door with sliding window |
| Operator's seat | shock absorbing suspension, adjustable to operator's weight, 6-way adjustable seat |
| Joysticks | integrated into adjustable seat consoles |
| Monitoring | menu driven query of current operating conditions via the LCD display. Automatic monitoring, display, warning (acoustical and optical signal) and saving machine malfunction data, for example, engine overheating, low engine oil pressure or low hydraulic oil level |
| Heating system | standard air conditioning, combined cooler/heater, additional dust filter in fresh air/recirculated |
| Noise emission | |
| ISO 6396 | L_{pA} (inside cab) = 75 dB(A) |
| 2000/14/EC | L_{WA} (surround noise) = 105 dB(A) |



Undercarriage

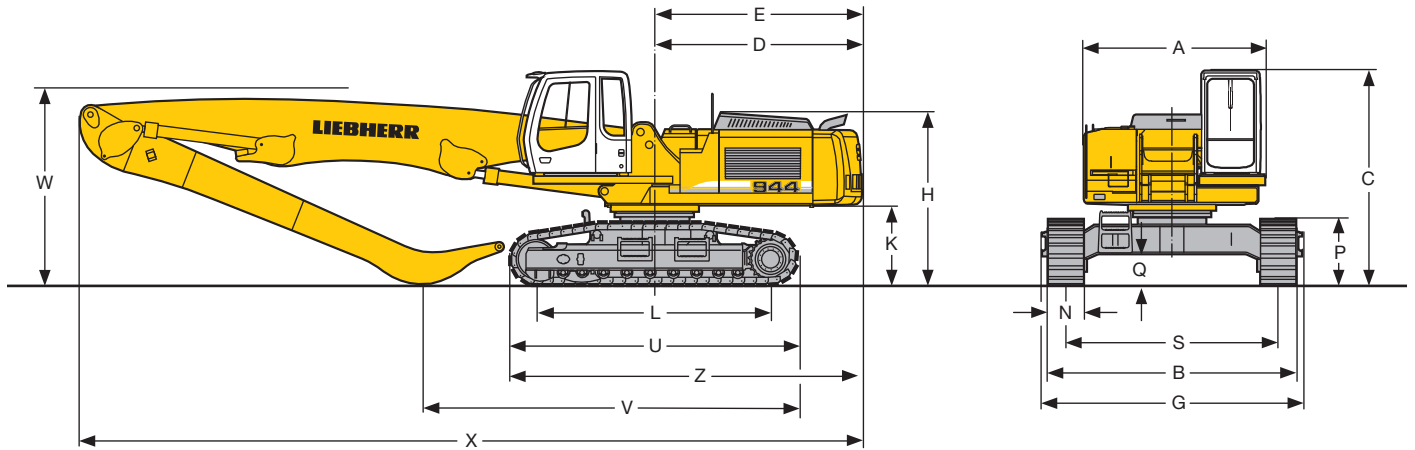
| | |
|-------------------------------|--|
| Versions | |
| EW | special duty, extra wide gauge |
| S-EW | special duty, extra wide gauge, reinforced track components |
| Drive | Liebherr swash plate motors with integrated brake valves on both sides |
| Transmission | Liebherr planetary reduction gears |
| Travel speed | EW: low range – 3,2 km/h high range – 5,0 km/h S-EW: low range – 2,8 km/h high range – 4,1 km/h |
| Drawbar pull max. | EW: 336 kN S-EW: 429 kN |
| Track components | EW: D 7, maintenance-free S-EW: D 7 G, maintenance-free |
| Track rollers/Carrier rollers | EW: 9/2 S-EW: 10/2 |
| Tracks | sealed and greased |
| Track pads | triple grouser |
| Digging locks | wet multi-discs (spring applied, pressure released) |
| Brake valves | integrated into travel motor |



Attachment

| | |
|---------------------|---|
| Type | high-strength steel plates at highlystressed points for the toughest requirements. Complex and stable mountings of attachment and cylinders. Unrivaled strength, even at high loads |
| Hydraulic cylinders | Liebherr cylinders with special seal system. Shock absorption |
| Pivots | sealed, low maintenance |
| Lubrication | Liebherr semi-automatic central lubrication system |

Dimensions



| | EW | | S-EW | | mm | | |
|---|------|------|------|--|------|------|------|
| A | | | | | 3070 | 3070 | |
| C | | | | | 3630 | 3630 | |
| D | | | | | 3605 | 3605 | |
| E | | | | | 3605 | 3605 | |
| H | | | | | 2905 | 2905 | |
| K | | | | | 1320 | 1320 | |
| L | | | | | 4000 | 4400 | |
| P | | | | | 1120 | 1170 | |
| Q | | | | | 532 | 532 | |
| S | | | | | 3600 | 3800 | |
| U | | | | | 4915 | 5360 | |
| N | 500 | 600 | 750 | | 500 | 600 | 750 |
| B | 4200 | 4200 | 4350 | | 4412 | 4412 | 4550 |
| G | 4410 | 4410 | 4410 | | 4620 | 4620 | 4620 |
| Z | | | | | 5980 | 6300 | |

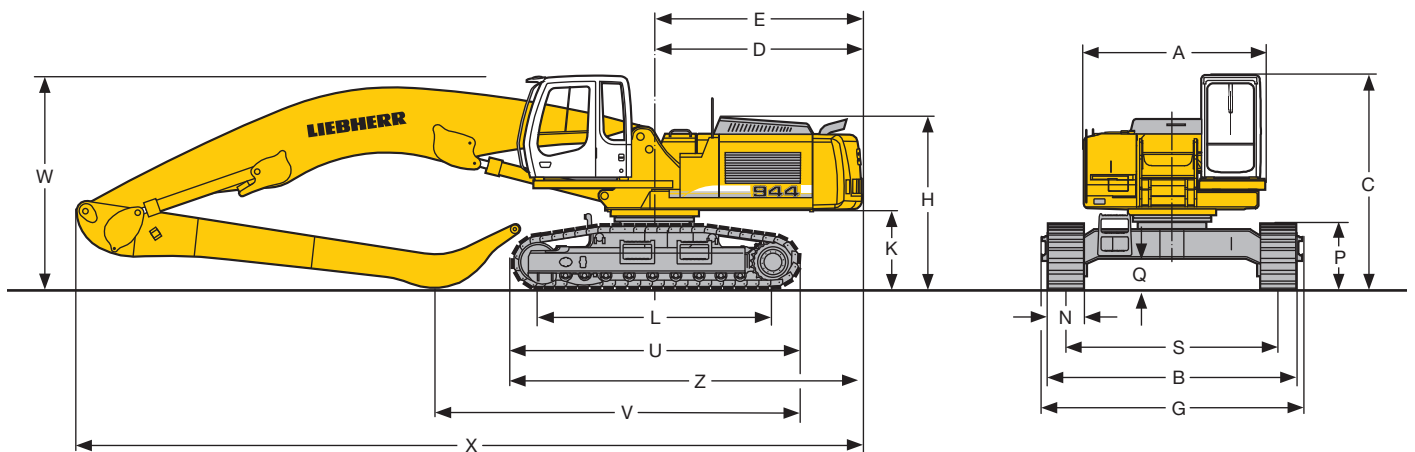
E = Tail radius

| Industrial-Type Straight Boom 7,50 m and Industrial Stick with Undercarriage | | | |
|--|----|----|-------|
| | m | | 5,80 |
| | | EW | |
| V | mm | | 6000 |
| W | mm | | 3200 |
| X | mm | | 11600 |

| Industrial-Type Straight Boom 8,50 m and Industrial Stick with Undercarriage | | | |
|--|----|-------|-------|
| | m | 7,30 | |
| | | EW | S-EW |
| V | mm | 5500 | 5700 |
| W | mm | 3250 | 3250 |
| X | mm | 12600 | 12600 |

| Industrial-Type Straight Boom 9,50 m and Industrial Stick with Undercarriage | | | |
|--|----|-------|-------|
| | m | 7,30 | 8,80 |
| | | S-EW | S-EW |
| V | mm | 6700 | 5650 |
| W | mm | 3350 | 4650 |
| X | mm | 13600 | 13400 |

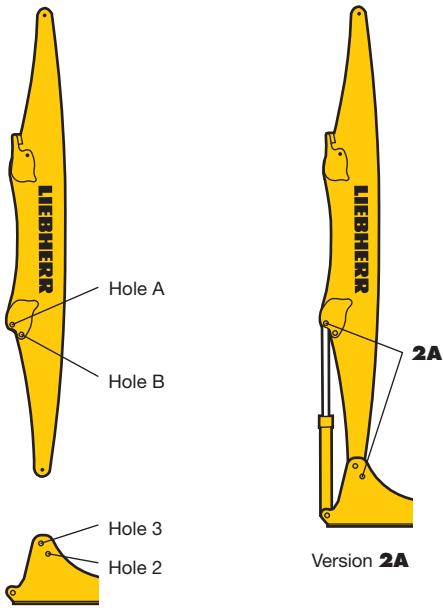
| Industrial-Type Gooseneck Boom 9,50 m and Industrial Stick with Undercarriage | | | |
|---|----|-------|-------|
| | m | 7,30 | 8,80 |
| | | S-EW | S-EW |
| V | mm | 6400 | 5360 |
| W | mm | 3600 | 4300 |
| X | mm | 13500 | 13550 |



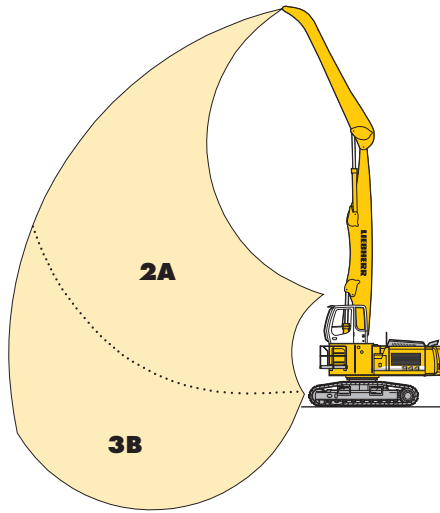
These dimensions are stated with cab carrier. This assembly is only valid for transportation.

VarioLiftPlus

Variable Boom Mounting Positions for Optimized Lift Capacities



with **the same** working range



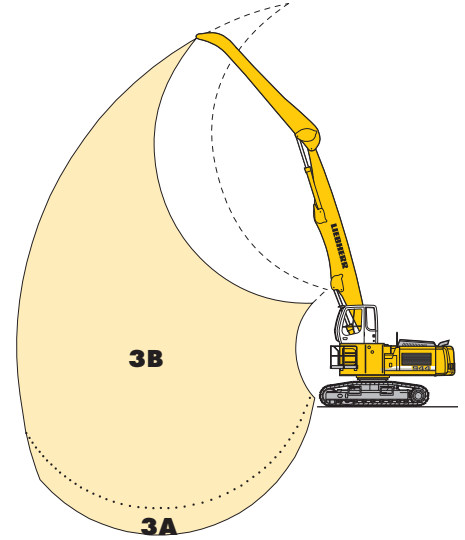
Kinematic variant 2A:

Increased lift capacities above ground level

Kinematic variant 3B:

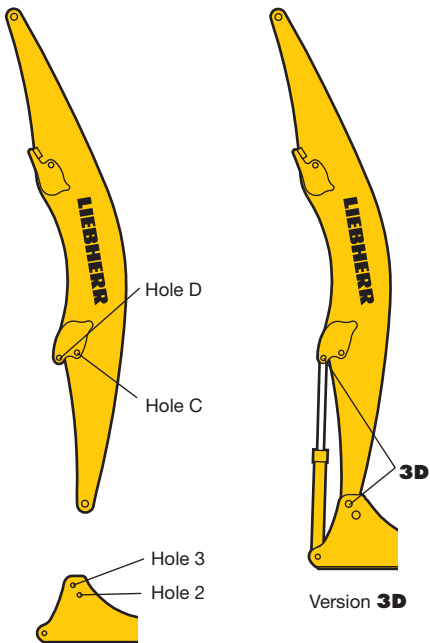
Increased lift capacities below ground level and when working at large outreach

with a **different** working range

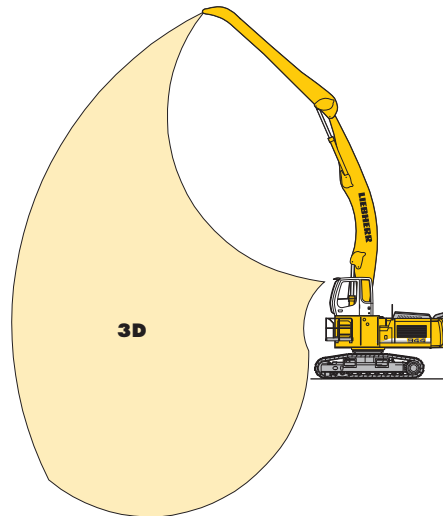


Kinematic variant 3A:

Altered range curve with additional reach depth, e.g. for unloading from ships

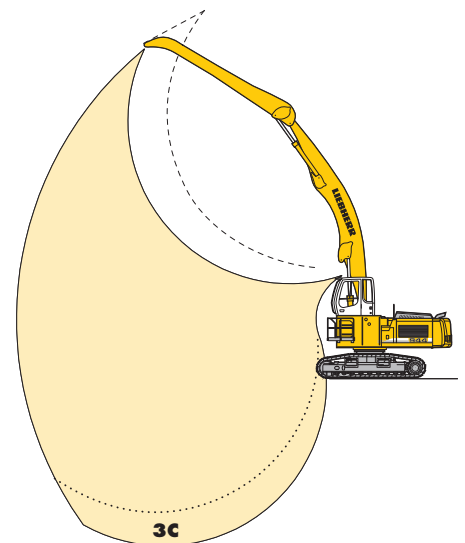


with a **different** working range



Kinematic variant 3D:

Increased lift capacities below ground level and when working at large outreach

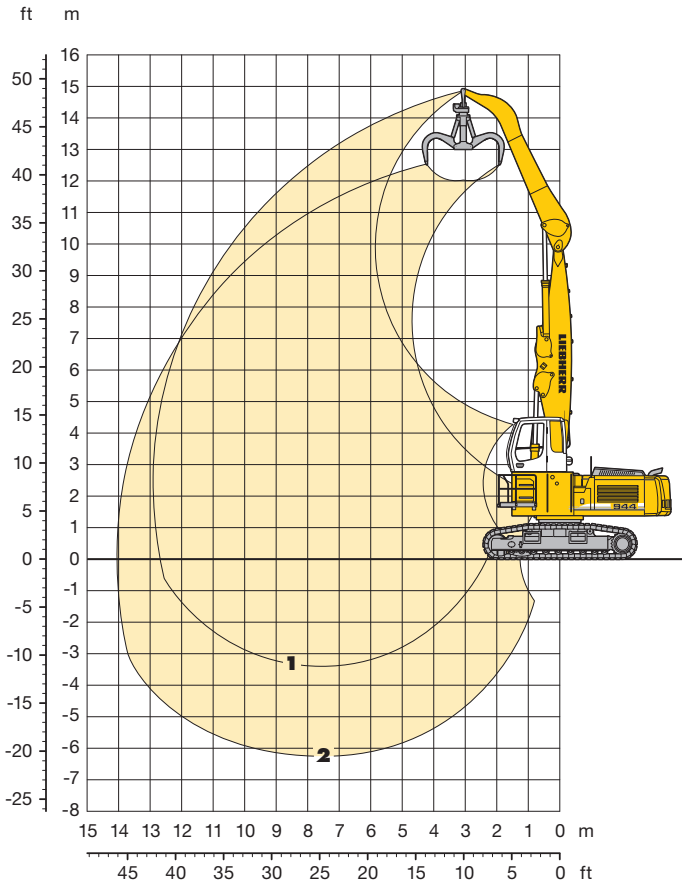


Kinematic variant 3C:

Altered range curve with additional reach depth, e.g. for unloading from ships

Industrial Attachment

with Industrial-Type Straight Boom 7,50 m



Attachment Envelope

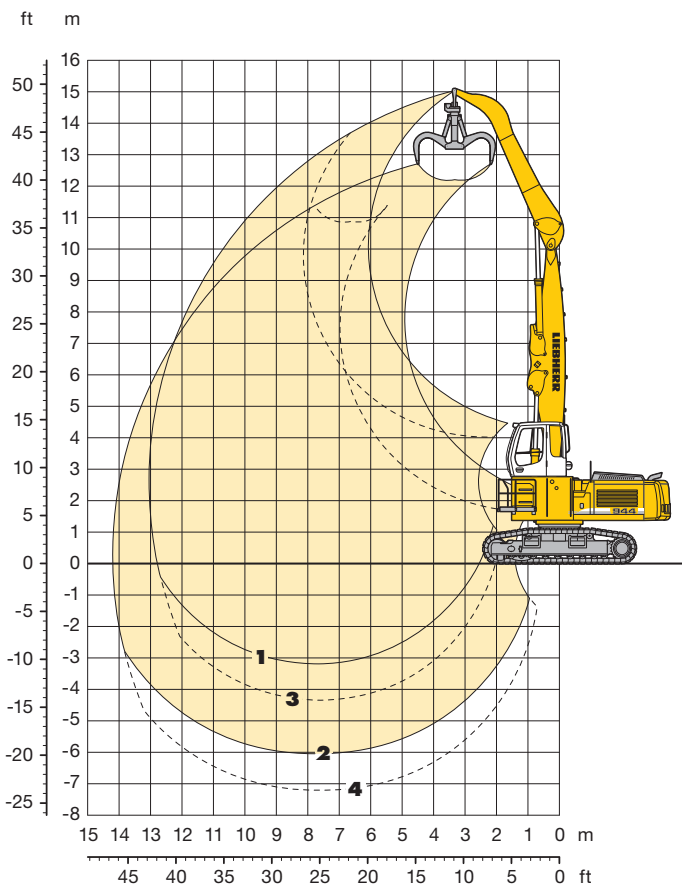
Kinematic variant 2A

- 1** with industrial stick 5,80 m
- 2** with industrial stick 5,80 m and grapple model 70 C

Operating Weight and Ground Pressure

Operating weight includes basic machine with rigid cab elevation 1,20 m, counterweight 11,0 t, industrial-type straight boom 7,50 m, industrial stick 5,80 m and grapple model 70 C with 5 semi-closed tines 1,10 m³.

| Undercarriage | EW | |
|-----------------|--------------------|-------------|
| Pad width | mm | 600 750 |
| Weight | kg | 46900 47500 |
| Ground pressure | kg/cm ² | 0,98 0,79 |



Attachment Envelope

Kinematic variants 3A/3B

- 1** with industrial stick 5,80 m (3B)
- 2** with industrial stick 5,80 m and grapple model 70 C (3B)
- 3** with industrial stick 5,80 m (3A)
- 4** with industrial stick 5,80 m and grapple model 70 C (3A)

Operating Weight and Ground Pressure

Operating weight includes basic machine with rigid cab elevation 1,20 m, counterweight 11,0 t, industrial-type straight boom 7,50 m, industrial stick 5,80 m and grapple model 70 C with 5 semi-closed tines 1,10 m³.

| Undercarriage | EW | |
|-----------------|--------------------|-------------|
| Pad width | mm | 600 750 |
| Weight | kg | 46900 47500 |
| Ground pressure | kg/cm ² | 0,98 0,79 |

Lift Capacities

with Industrial-Type Straight Boom 7,50 m

Industrial Stick 5,80 m (Variant 2A)

| Height m | Under-carriage | 4,5 m | | 6,0 m | | 7,5 m | | 9,0 m | | 10,5 m | | 12,0 m | | 13,5 m | | 15,0 m | | 16,5 m | | m | | |
|-------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----|--------|-----|--------|--|--------|--|--------|--|-------|-------|-------|
| | | | | | | | | | | | | | | | | | | | | | | |
| 19,5 | EW | | | | | | | | | | | | | | | | | | | | | |
| 18,0 | EW | | | | | | | | | | | | | | | | | | | | | |
| 16,5 | EW | | | | | | | | | | | | | | | | | | | | | |
| 15,0 | EW | | | | | | | | | | | | | | | | | | | | | |
| 13,5 | EW | | | 13,1* | 13,1* | | | | | | | | | | | | | | | 11,6* | 11,6* | 6,48 |
| 12,0 | EW | | | 15,2* | 15,2* | 13,1* | 13,1* | | | | | | | | | | | | | 9,8* | 9,8* | 8,57 |
| 10,5 | EW | | | 14,7* | 14,7* | 12,9* | 12,9* | 11,0 | 11,5* | | | | | | | | | | | 9,0* | 9,0* | 10,02 |
| 9,0 | EW | | | 14,7* | 14,7* | 12,9* | 12,9* | 11,0 | 11,4* | 8,4 | 8,9 | | | | | | | | | 7,6 | 8,0 | 11,07 |
| 7,5 | EW | | | 15,2* | 15,2* | 13,1* | 13,1* | 10,9 | 11,4 | 8,4 | 8,8 | | | | | | | | | 6,8 | 7,1 | 11,85 |
| 6,0 | EW | 18,6* | 18,6* | 16,1* | 16,1* | 13,5* | 13,5* | 10,6 | 11,2 | 8,3 | 8,7 | 6,6 | 6,9 | | | | | | | 6,2 | 6,6 | 12,39 |
| 4,5 | EW | 22,1* | 22,1* | 17,2* | 17,2* | 13,7 | 14,1* | 10,3 | 10,8 | 8,1 | 8,5 | 6,5 | 6,9 | | | | | | | 5,9 | 6,2 | 12,73 |
| 3,0 | EW | 24,3* | 24,3* | 18,2* | 18,2* | 13,1 | 13,8 | 9,9 | 10,5 | 7,8 | 8,3 | 6,4 | 6,7 | | | | | | | 5,7 | 6,0 | 12,89 |
| 1,5 | EW | 25,0* | 25,0* | 17,4 | 18,5 | 12,5 | 13,2 | 9,5 | 10,1 | 7,6 | 8,0 | 6,3 | 6,6 | | | | | | | 5,7 | 6,0 | 12,88 |
| 0 | EW | 16,1* | 16,1* | 16,6 | 17,7 | 12,0 | 12,7 | 9,3 | 9,8 | 7,5 | 7,9 | 6,2 | 6,5 | | | | | | | 5,8 | 5,9* | 12,68 |
| -1,5 | EW | 15,7* | 15,7* | 15,8* | 15,8* | 11,7 | 12,4 | 9,1 | 9,6 | 7,3 | 7,8 | | | | | | | | | 5,8* | 5,8* | 11,89 |
| -3,0 | EW | | | 12,7* | 12,7* | 10,4* | 10,4* | 8,3* | 8,3* | | | | | | | | | | | 7,3* | 7,3* | 9,72 |
| -4,5 | EW | | | | | | | | | | | | | | | | | | | | | |
| -6,0 | EW | | | | | | | | | | | | | | | | | | | | | |
| -7,5 | EW | | | | | | | | | | | | | | | | | | | | | |
| -9,0 | EW | | | | | | | | | | | | | | | | | | | | | |

Industrial Stick 5,80 m (Variant 3A)

| Height m | Under-carriage | 4,5 m | | 6,0 m | | 7,5 m | | 9,0 m | | 10,5 m | | 12,0 m | | 13,5 m | | 15,0 m | | 16,5 m | | m | | |
|-------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----|--------|-----|--------|--|--------|--|--------|--|-------|-------|-------|
| | | | | | | | | | | | | | | | | | | | | | | |
| 19,5 | EW | | | | | | | | | | | | | | | | | | | | | |
| 18,0 | EW | | | | | | | | | | | | | | | | | | | | | |
| 16,5 | EW | | | | | | | | | | | | | | | | | | | | | |
| 15,0 | EW | | | | | | | | | | | | | | | | | | | | | |
| 13,5 | EW | | | | | | | | | | | | | | | | | | | 11,2* | 11,2* | 6,97 |
| 12,0 | EW | | | | | | | | | | | | | | | | | | | 9,7* | 9,7* | 8,94 |
| 10,5 | EW | | | | | | | 10,8* | 10,8* | | | | | | | | | | | 8,5 | 8,9* | 10,32 |
| 9,0 | EW | | | | | | | 10,7* | 10,7* | 8,4 | 8,8 | | | | | | | | | 7,3 | 7,7 | 11,34 |
| 7,5 | EW | | | | | | | 10,8 | 10,9* | 8,3 | 8,8 | 6,6 | 6,9 | | | | | | | 6,5 | 6,9 | 12,07 |
| 6,0 | EW | | | | | 12,8* | 12,8* | 10,5 | 11,1 | 8,2 | 8,6 | 6,5 | 6,9 | | | | | | | 6,0 | 6,3 | 12,59 |
| 4,5 | EW | | | 16,5* | 16,5* | 13,5 | 13,8* | 10,2 | 10,7 | 8,0 | 8,4 | 6,4 | 6,8 | | | | | | | 5,7 | 6,0 | 12,91 |
| 3,0 | EW | 24,7* | 24,7* | 18,1 | 18,3* | 12,9 | 13,6 | 9,8 | 10,3 | 7,8 | 8,2 | 6,3 | 6,7 | | | | | | | 5,6 | 5,9 | 13,04 |
| 1,5 | EW | 19,9* | 19,9* | 17,0 | 18,1 | 12,3 | 13,0 | 9,4 | 9,9 | 7,5 | 7,9 | 6,2 | 6,5 | | | | | | | 5,5 | 5,8 | 13,00 |
| 0 | EW | 14,4* | 14,4* | 16,3 | 17,4 | 11,8 | 12,5 | 9,1 | 9,7 | 7,4 | 7,8 | 6,1 | 6,5 | | | | | | | 5,6 | 5,9 | 12,78 |
| -1,5 | EW | 14,8* | 14,8* | 15,9 | 17,0 | 11,5 | 12,2 | 8,9 | 9,5 | 7,3 | 7,7 | 6,1 | 6,4 | | | | | | | 5,9 | 6,2 | 12,37 |
| -3,0 | EW | 16,7* | 16,7* | 15,9 | 16,9 | 11,4 | 12,1 | 8,9 | 9,4 | 7,3 | 7,7 | | | | | | | | | 6,6 | 6,9 | 11,37 |
| -4,5 | EW | | | | | | | | | | | | | | | | | | | | | |
| -6,0 | EW | | | | | | | | | | | | | | | | | | | | | |
| -7,5 | EW | | | | | | | | | | | | | | | | | | | | | |
| -9,0 | EW | | | | | | | | | | | | | | | | | | | | | |






















Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach * Limited by hydr. capacity

The lift capacities are stated in metric tonnes (t) on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via *). Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook. According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic check valves on the hoist cylinders, when they are used for lifting operations which require the use of lifting accessories.

Lift Capacities

with Industrial-Type Straight Boom 7,50 m

Industrial Stick 5,80 m (Variant 3B)

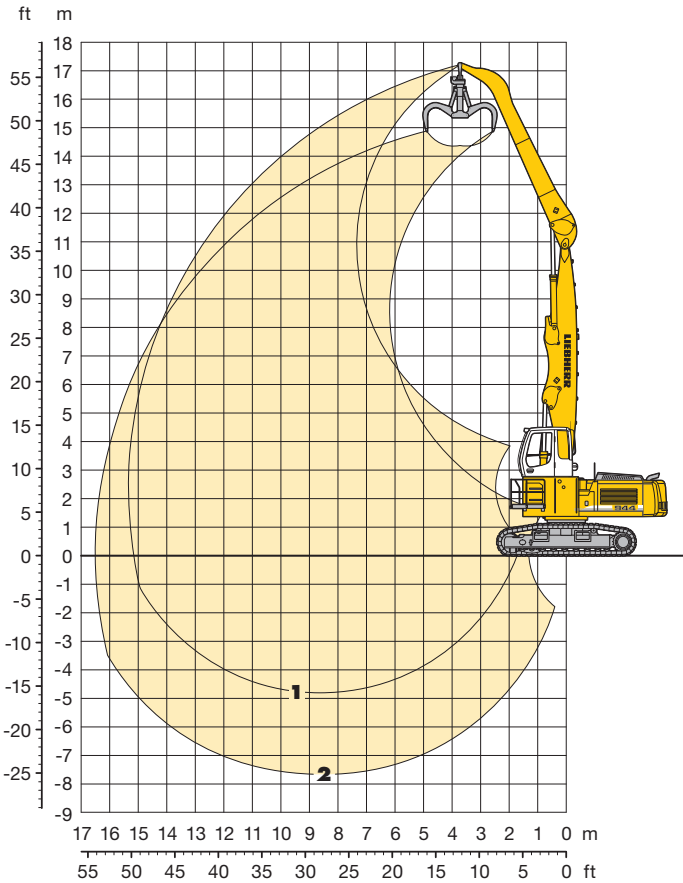
| ↑ m | Under-carriage | 4,5 m | | 6,0 m | | 7,5 m | | 9,0 m | | 10,5 m | | 12,0 m | | 13,5 m | | 15,0 m | | 16,5 m | |  | | | |
|--------|----------------|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|-------|-------|
| | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | m | |
| 19,5 | EW | | | | | | | | | | | | | | | | | | | | | | |
| 18,0 | EW | | | | | | | | | | | | | | | | | | | | | | |
| 16,5 | EW | | | | | | | | | | | | | | | | | | | | | | |
| 15,0 | EW | | | | | | | | | | | | | | | | | | | | 16,3* | 16,3* | 3,46 |
| 13,5 | EW | | | 13,2* | 13,2* | | | | | | | | | | | | | | | | 11,2* | 11,2* | 6,97 |
| 12,0 | EW | | | 11,9* | 11,9* | 11,1* | 11,1* | | | | | | | | | | | | | | 9,7* | 9,7* | 8,94 |
| 10,5 | EW | | | | | 10,7* | 10,7* | 10,1* | 10,1* | | | | | | | | | | | | 8,6 | 8,9* | 10,32 |
| 9,0 | EW | | | 11,5* | 11,5* | 10,7* | 10,7* | 10,1* | 10,1* | 8,4 | 8,8 | | | | | | | | | 7,3 | 7,7 | 11,34 | |
| 7,5 | EW | | | 12,2* | 12,2* | 11,1* | 11,1* | 10,3* | 10,3* | 8,4 | 8,8 | 6,6 | 6,9 | | | | | | | 6,5 | 6,9 | 12,07 | |
| 6,0 | EW | 15,9* | 15,9* | 13,6* | 13,6* | 11,9* | 11,9* | 10,5 | 10,7* | 8,2 | 8,6 | 6,6 | 6,9 | | | | | | | 6,0 | 6,4 | 12,59 | |
| 4,5 | EW | 19,5* | 19,5* | 15,4* | 15,4* | 13,0* | 13,0* | 10,2 | 10,7 | 8,0 | 8,4 | 6,5 | 6,8 | | | | | | | 5,7 | 6,0 | 12,91 | |
| 3,0 | EW | 23,4* | 23,4* | 17,4* | 17,4* | 12,9 | 13,6 | 9,8 | 10,3 | 7,8 | 8,2 | 6,3 | 6,7 | | | | | | | 5,6 | 5,9 | 13,04 | |
| 1,5 | EW | 19,9* | 19,9* | 17,1 | 18,2 | 12,3 | 13,0 | 9,4 | 10,0 | 7,5 | 8,0 | 6,2 | 6,6 | | | | | | | 5,5 | 5,8 | 13,00 | |
| 0 | EW | 14,4* | 14,4* | 16,3 | 17,4 | 11,8 | 12,5 | 9,1 | 9,7 | 7,4 | 7,8 | 6,1 | 6,5 | | | | | | | 5,6 | 5,9 | 12,78 | |
| -1,5 | EW | 14,8* | 14,8* | 15,9 | 17,0 | 11,5 | 12,2 | 9,0 | 9,5 | 7,3 | 7,7 | | | | | | | | | 6,2 | 6,6 | 11,83 | |
| -3,0 | EW | | | | | 11,4 | 12,2 | 8,9 | 9,4 | | | | | | | | | | | 8,6 | 9,1 | 9,22 | |
| -4,5 | EW | | | | | | | | | | | | | | | | | | | | | | |
| -6,0 | EW | | | | | | | | | | | | | | | | | | | | | | |
| -7,5 | EW | | | | | | | | | | | | | | | | | | | | | | |
| -9,0 | EW | | | | | | | | | | | | | | | | | | | | | | |

↑ Height  Can be slewed through 360°  In longitudinal position of undercarriage  Max. reach * Limited by hydr. capacity

The lift capacities are stated in metric tonnes (t) on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads are based on ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity (indicated via *). Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.
According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic check valves on the hoist cylinders, when they are used for lifting operations which require the use of lifting accessories.

Industrial Attachment

with Industrial-Type Straight Boom 8,50 m



Attachment Envelope

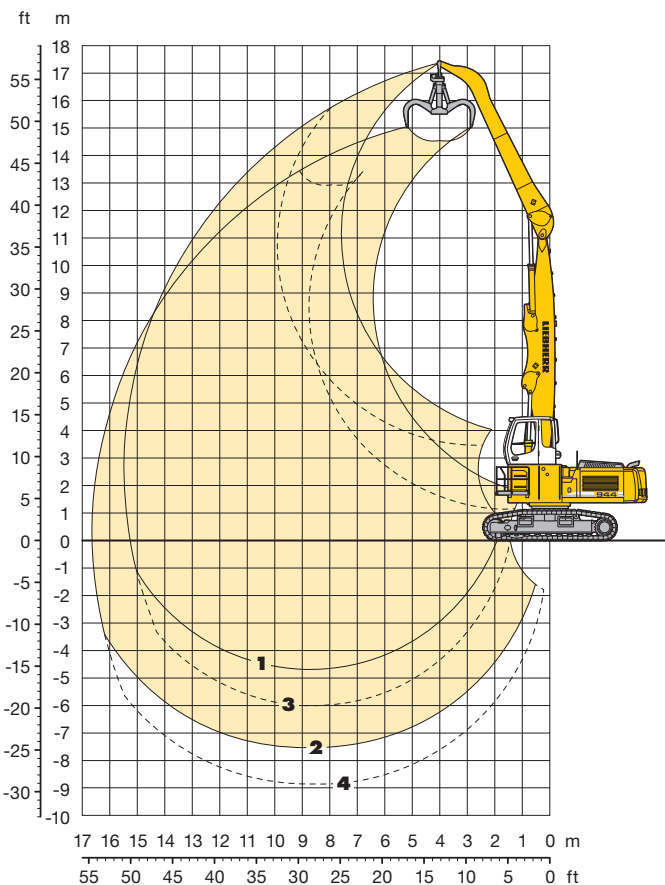
Kinematic variant 2A

- 1** with industrial stick 7,30 m
- 2** with industrial stick 7,30 m and grapple model 70 C

Operating Weight and Ground Pressure

Operating weight includes basic machine with rigid cab elevation 1,20 m, counterweight 11,0 t, industrial-type straight boom 8,50 m, industrial stick 7,30 m and grapple model 70 C with 5 semi-closed tines 1,10 m³.

| Undercarriage | | EW | | S-EW | |
|-----------------|--------------------|-------|-------|-------|-------|
| Pad width | mm | 600 | 750 | 600 | 750 |
| Weight | kg | 47650 | 48250 | 51150 | 52500 |
| Ground pressure | kg/cm ² | 0,99 | 0,80 | 0,97 | 0,80 |



Attachment Envelope

Kinematic variants 3A/3B

- 1** with industrial stick 7,30 m (3B)
- 2** with industrial stick 7,30 m and grapple model 70 C (3B)
- 3** with industrial stick 7,30 m (3A)
- 4** with industrial stick 7,30 m and grapple model 70 C (3A)

Operating Weight and Ground Pressure

Operating weight includes basic machine with rigid cab elevation 1,20 m, counterweight 11,0 t, industrial-type straight boom 8,50 m, industrial stick 7,30 m and grapple model 70 C with 5 semi-closed tines 1,10 m³.

| Undercarriage | | EW | | S-EW | |
|-----------------|--------------------|-------|-------|-------|-------|
| Pad width | mm | 600 | 750 | 600 | 750 |
| Weight | kg | 47650 | 48250 | 51150 | 52500 |
| Ground pressure | kg/cm ² | 0,99 | 0,80 | 0,97 | 0,80 |

Lift Capacities

with Industrial-Type Straight Boom 8,50 m

Industrial Stick 7,30 m (Variant 2A)

| ↑ m | Under-carriage | 4,5 m | | 6,0 m | | 7,5 m | | 9,0 m | | 10,5 m | | 12,0 m | | 13,5 m | | 15,0 m | | 16,5 m | | m | | | | |
|--------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|--------|-----|--------|------|--------|-----|--------|--|-------|-------|------|-------|--|
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 16,5 | EW S-EW | | | | | | | | | | | | | | | | | | | 10,8* | 10,8* | 5,89 | | |
| 15,0 | EW S-EW | | | | | 10,8* | 10,8* | | | | | | | | | | | | | | 8,5* | 8,5* | 8,68 | |
| 13,5 | EW S-EW | | | | | 11,8* | 11,8* | 10,5* | 10,5* | 7,7* | 7,7* | | | | | | | | | | 7,5* | 7,5* | 10,55 | |
| 12,0 | EW S-EW | | | | | 11,5* | 11,5* | 10,2* | 10,2* | 8,8 | 9,2* | | | | | | | | | | 6,8 | 7,0* | 11,94 | |
| 10,5 | EW S-EW | | | | | 11,4* | 11,4* | 10,2* | 10,2* | 8,9 | 9,2* | 6,9 | 7,3 | | | | | | | | 5,8 | 6,2 | 13,01 | |
| 9,0 | EW S-EW | | | | | 11,6* | 11,6* | 10,2* | 10,2* | 8,8 | 9,2* | 6,9 | 7,3 | 5,5 | 5,8 | | | | | | 5,2 | 5,5 | 13,84 | |
| 7,5 | EW S-EW | | | | | 11,9* | 11,9* | 10,4* | 10,4* | 8,6 | 9,1 | 6,8 | 7,2 | 5,5 | 5,8 | | | | | | 4,7 | 5,0 | 14,47 | |
| 6,0 | EW S-EW | | | 14,8* | 14,8* | 12,4* | 12,4* | 10,7* | 10,7* | 8,4 | 8,8 | 6,7 | 7,0 | 5,4 | 5,7 | | | | | | 4,4 | 4,7 | 14,91 | |
| 4,5 | EW S-EW | 15,8* | 15,8* | 15,9* | 15,9* | 13,0* | 13,0* | 10,4 | 10,9 | 8,1 | 8,5 | 6,5 | 6,8 | 5,3 | 5,6 | 4,3 | 4,6 | | | | 4,2 | 4,5 | 15,20 | |
| 3,0 | EW S-EW | 22,7* | 22,7* | 17,0* | 17,0* | 13,6* | 13,6* | 11,2 | 11,3* | 7,7 | 8,1 | 6,2 | 6,6 | 5,1 | 5,4 | 4,3 | 4,5 | | | | 4,1 | 4,4 | 15,33 | |
| 1,5 | EW S-EW | 23,4* | 23,4* | 17,1* | 17,5* | 12,2 | 12,9 | 9,3 | 9,8 | 7,4 | 7,8 | 6,0 | 6,3 | 5,0 | 5,3 | 4,2 | 4,5 | | | | 4,1 | 4,3 | 15,32 | |
| 0 | EW S-EW | 11,6* | 11,6* | 15,9 | 16,9 | 11,4 | 12,2 | 8,8 | 9,3 | 7,1 | 7,5 | 5,8 | 6,1 | 4,9 | 5,1 | 4,1 | 4,4 | | | | 4,1 | 4,3 | 15,16 | |
| -1,5 | EW S-EW | 10,6* | 10,6* | 15,1 | 16,0* | 10,9 | 11,6 | 8,5 | 9,0 | 6,8 | 7,2 | 5,6 | 6,0 | 4,8 | 5,1 | | | | | | 4,0* | 4,0* | 14,77 | |
| -3,0 | EW S-EW | 11,4* | 11,4* | 13,8* | 13,8* | 10,6 | 11,3* | 8,2 | 8,8 | 6,7 | 7,1 | 5,6 | 5,9 | 4,4* | 4,4* | | | | | | 4,4* | 4,4* | 13,51 | |
| -4,5 | EW S-EW | | | | | 9,1* | 9,1* | 7,6* | 7,6* | 6,1* | 6,1* | | | | | | | | | | 5,6* | 5,6* | 10,98 | |
| -6,0 | EW S-EW | | | | | | | | | | | | | | | | | | | | | | | |

Industrial Stick 7,30 m (Variant 3A)

| ↑ m | Under-carriage | 4,5 m | | 6,0 m | | 7,5 m | | 9,0 m | | 10,5 m | | 12,0 m | | 13,5 m | | 15,0 m | | 16,5 m | | m | | | |
|--------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|--------|------|--------|-----|--------|-----|--------|--|---|------|------|-------|
| | | | | | | | | | | | | | | | | | | | | | | | |
| 16,5 | EW S-EW | | | | | | | | | | | | | | | | | | | | | | |
| 15,0 | EW S-EW | | | | | | | 8,7* | 8,7* | | | | | | | | | | | | 8,3* | 8,3* | 9,12 |
| 13,5 | EW S-EW | | | | | | | | | 8,5* | 8,5* | | | | | | | | | | 7,4* | 7,4* | 10,90 |
| 12,0 | EW S-EW | | | | | | | | | 8,6* | 8,6* | 6,8 | 7,1 | | | | | | | | 6,5 | 6,8 | 12,25 |
| 10,5 | EW S-EW | | | | | | | | | 8,5* | 8,5* | 6,9 | 7,3 | | | | | | | | 5,6 | 5,9 | 13,28 |
| 9,0 | EW S-EW | | | | | | | | | 8,5* | 8,5* | 7,8 | 8,0* | | | | | | | | 6,4 | 6,6* | |
| 7,5 | EW S-EW | | | | | | | | | 8,6 | 8,7* | 6,8 | 7,1 | 5,4 | 5,7 | | | | | | 4,6 | 4,8 | 14,68 |
| 6,0 | EW S-EW | | | | | | | 10,0* | 10,0* | 8,3 | 8,7 | 6,6 | 6,9 | 5,3 | 5,6 | 4,3 | 4,6 | | | | 4,3 | 4,5 | 15,10 |
| 4,5 | EW S-EW | | | | | 12,3* | 12,3* | 10,2 | 10,7* | 8,0 | 8,4 | 6,4 | 6,7 | 5,2 | 5,5 | 4,3 | 4,5 | | | | 4,1 | 4,3 | 15,37 |
| 3,0 | EW S-EW | 22,2* | 22,2* | 16,6* | 16,6* | 12,8 | 13,4* | 9,7 | 10,2 | 7,6 | 8,0 | 6,1 | 6,5 | 5,0 | 5,3 | 4,2 | 4,5 | | | | 4,0 | 4,2 | 15,48 |
| 1,5 | EW S-EW | 16,7* | 16,7* | 16,7 | 17,8 | 11,9 | 12,7 | 9,1 | 9,7 | 7,2 | 7,7 | 5,9 | 6,2 | 4,9 | 5,2 | 4,1 | 4,4 | | | | 4,0 | 4,2 | 15,45 |
| 0 | EW S-EW | 10,2* | 10,2* | 15,5 | 16,6 | 11,2 | 11,9 | 8,7 | 9,2 | 6,9 | 7,4 | 5,7 | 6,0 | 4,8 | 5,1 | 4,1 | 4,3 | | | | 4,0 | 4,2 | 15,26 |
| -1,5 | EW S-EW | 10,0* | 10,0* | 14,8 | 15,9 | 10,7 | 11,4 | 8,3 | 8,8 | 6,7 | 7,1 | 5,6 | 5,9 | 4,7 | 5,0 | | | | | | 4,1 | 4,4 | 14,92 |
| -3,0 | EW S-EW | 11,0* | 11,0* | 14,5 | 15,6 | 10,5 | 11,2 | 8,1 | 8,6 | 6,6 | 7,0 | 5,5 | 5,8 | 4,7 | 5,0 | | | | | | 4,3 | 4,6 | 14,42 |
| -4,5 | EW S-EW | 12,5* | 12,5* | 14,5 | 15,5 | 10,4 | 11,1 | 8,0 | 8,6 | 6,5 | 6,9 | 5,5 | 5,8 | | | | | | | | 4,9 | 5,2 | 13,08 |
| -6,0 | EW S-EW | 12,5* | 12,5* | 16,0* | 16,0* | 12,1 | 13,0* | 9,4 | 10,7 | 7,6 | 8,6 | 6,4 | 7,2 | | | | | | | | 8,1 | 8,6 | 9,00 |

Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach * Limited by hydr. capacity






















The lift capacities are stated in metric tonnes (t) on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via *). Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.




According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic check valves on the hoist cylinders, when they are used for lifting operations which require the use of lifting accessories.

Lift Capacities

with Industrial-Type Straight Boom 8,50 m

Industrial Stick 7,30 m (Variant 3B)

| ↑ m | Under-carriage | 4,5 m | | 6,0 m | | 7,5 m | | 9,0 m | | 10,5 m | | 12,0 m | | 13,5 m | | 15,0 m | | 16,5 m | |  | | m | | |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|----------------|--------------|--------------|
| | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | |
| 16,5 | EW S-EW | | | 11,4* 11,4* | 11,4* 11,4* | | | | | | | | | | | | | | | | 10,3* 10,3* | 10,3* 10,3* | 6,51 | |
| 15,0 | EW S-EW | | | | | 9,9* 9,9* | 9,9* 9,9* | 8,7* 8,7* | 8,7* 8,7* | | | | | | | | | | | | | 8,3* 8,3* | 8,3* 8,3* | 9,12 |
| 13,5 | EW S-EW | | | | | 9,2* 9,2* | 9,2* 9,2* | 8,7* 8,7* | 8,7* 8,7* | 8,4* 8,4* | 8,4* 8,4* | | | | | | | | | | | 7,4* 7,4* | 7,4* 7,4* | 10,90 |
| 12,0 | EW S-EW | | | | | | | 8,4* 8,4* | 8,4* 8,4* | 8,0* 8,0* | 8,0* 8,0* | 6,8 7,7* | 7,1 7,7* | | | | | | | | | 6,5 6,9* | 6,8 6,9* | 12,25 |
| 10,5 | EW S-EW | | | | | | | 8,3* 8,3* | 8,3* 8,3* | 7,9* 7,9* | 7,9* 7,9* | 6,9 7,5* | 7,3 7,5* | | | | | | | | | 5,6 6,4 | 5,9 6,6* | 13,28 |
| 9,0 | EW S-EW | | | | | 9,0* 9,1* | 9,0* 9,1* | 8,5* 8,5* | 8,5* 8,5* | 7,9* 7,9* | 7,9* 7,9* | 6,9 7,5* | 7,2 7,5* | 5,5 6,3 | 5,8 7,0 | | | | | | | 5,0 5,7 | 5,3 6,4* | 14,08 |
| 7,5 | EW S-EW | | | | | 9,6* 9,6* | 9,6* 9,6* | 8,8* 8,8* | 8,8* 8,8* | 8,2* 8,2* | 8,2* 8,2* | 6,8 7,6* | 7,1 7,6* | 5,4 6,2 | 5,7 7,0 | | | | | | | 4,6 5,3 | 4,8 5,9 | 14,68 |
| 6,0 | EW S-EW | | | 11,9* 11,9* | 11,9* 11,9* | 10,4* 10,4* | 10,4* 10,4* | 9,4* 9,4* | 9,4* 9,4* | 8,3* 8,5* | 8,5* 8,5* | 6,6 7,5 | 7,0 7,8* | 5,3 6,1 | 5,6 6,9 | 4,4 5,0 | 4,6 5,7 | | | | | 4,3 5,0 | 4,5 5,6 | 15,10 |
| 4,5 | EW S-EW | 16,7* 16,7* | 16,7* 16,7* | 13,6* 13,6* | 13,6* 13,6* | 11,5* 11,5* | 11,5* 11,5* | 10,0* 10,0* | 10,0* 10,0* | 8,0 8,9* | 8,4 8,9* | 6,4 7,3 | 6,7 8,1* | 5,2 6,0 | 5,5 6,7 | 4,3 5,0 | 4,6 5,6 | | | | | 4,1 4,8 | 4,4 5,4 | 15,37 |
| 3,0 | EW S-EW | 20,9* 20,9* | 20,9* 20,9* | 15,6* 15,6* | 15,6* 15,6* | 12,6* 12,6* | 12,6* 12,6* | 9,7 10,7* | 10,2 10,7* | 7,6 8,7 | 8,0 9,4* | 6,1 7,1 | 6,5 7,9 | 5,1 5,8 | 5,4 6,6 | 4,2 4,9 | 4,5 5,5 | | | | | 4,0 4,7 | 4,2 5,3 | 15,48 |
| 1,5 | EW S-EW | 16,7* 16,6* | 16,7* 16,6* | 16,7 17,3* | 17,3* 17,3* | 12,0 13,7* | 12,7 13,7* | 9,1 10,5 | 9,7 11,4* | 7,3 8,3 | 7,7 9,4 | 5,9 6,8 | 6,3 7,7 | 4,9 5,7 | 5,2 6,4 | 4,1 4,8 | 4,4 5,5 | | | | | 4,0 4,6 | 4,2 5,2 | 15,45 |
| 0 | EW S-EW | 10,2* 10,2* | 10,2* 10,2* | 15,5 18,0 | 16,6 18,4* | 11,2 13,0 | 12,0 14,4* | 8,7 10,0 | 9,2 11,3 | 6,9 8,0 | 7,4 9,1 | 5,7 6,6 | 6,1 7,5 | 4,8 5,6 | 5,1 6,3 | 4,1 4,8 | 4,3 5,4 | | | | | 4,0 4,7 | 4,2 5,3 | 15,26 |
| -1,5 | EW S-EW | 10,0* 10,0* | 10,0* 10,0* | 14,8 17,3 | 15,9 18,7* | 10,8 12,5 | 11,5 14,3 | 8,3 9,7 | 8,9 11,0 | 6,7 7,8 | 7,1 8,8 | 5,6 6,5 | 5,9 7,3 | 4,7 5,5 | 5,0 6,2 | | | | | | | 4,2 4,9 | 4,4 5,5 | 14,77 |
| -3,0 | EW S-EW | 11,0* 11,0* | 11,0* 11,0* | 14,5 17,0 | 15,6 18,3* | 10,5 12,2 | 11,2 14,0 | 8,1 9,5 | 8,6 10,8 | 6,6 7,6 | 7,0 8,7 | 5,5 6,4 | 5,8 7,2 | | | | | | | | | 4,7 5,5 | 5,0 6,2 | 13,41 |
| -4,5 | EW S-EW | | | | | 10,4 12,1 | 11,1 13,7* | 8,1 9,4 | 8,6 10,7 | | | | | | | | | | | | | 6,6 7,7 | 7,0 8,8 | 10,40 |
| -6,0 | EW S-EW | | | | | | | | | | | | | | | | | | | | | | | |

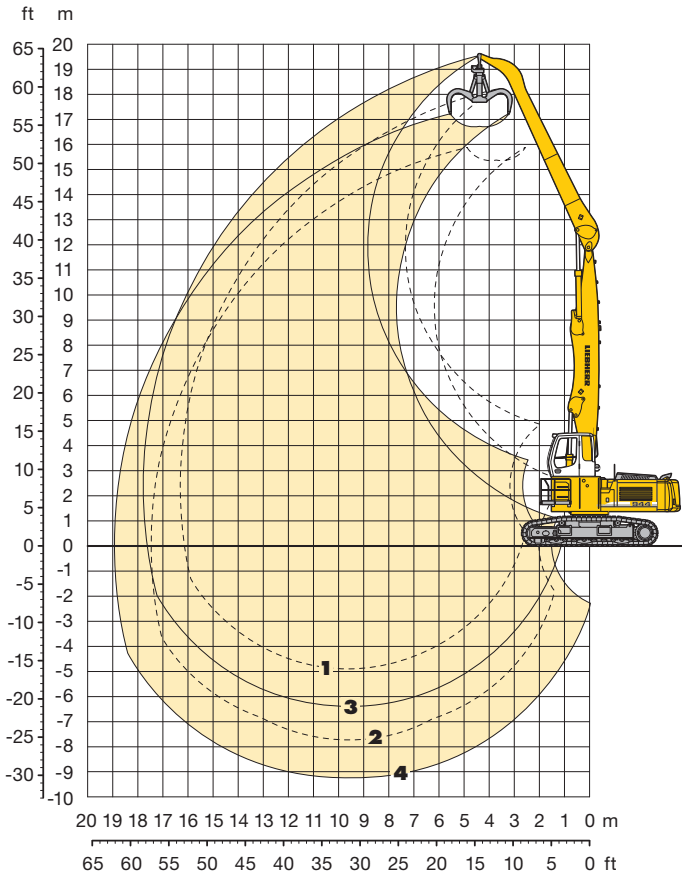
↑ Height  Can be slewed through 360°  In longitudinal position of undercarriage  Max. reach * Limited by hydr. capacity

The lift capacities are stated in metric tonnes (t) on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via *). Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic check valves on the hoist cylinders, when they are used for lifting operations which require the use of lifting accessories.

Industrial Attachment

with Industrial-Type Straight Boom 9,50 m



Attachment Envelope

Kinematic variant 2A

- 1** with industrial stick 7,30 m
- 2** with industrial stick 7,30 m and grapple model 70 C
- 3** with industrial stick 8,80 m
- 4** with industrial stick 8,80 m and grapple model 70 C

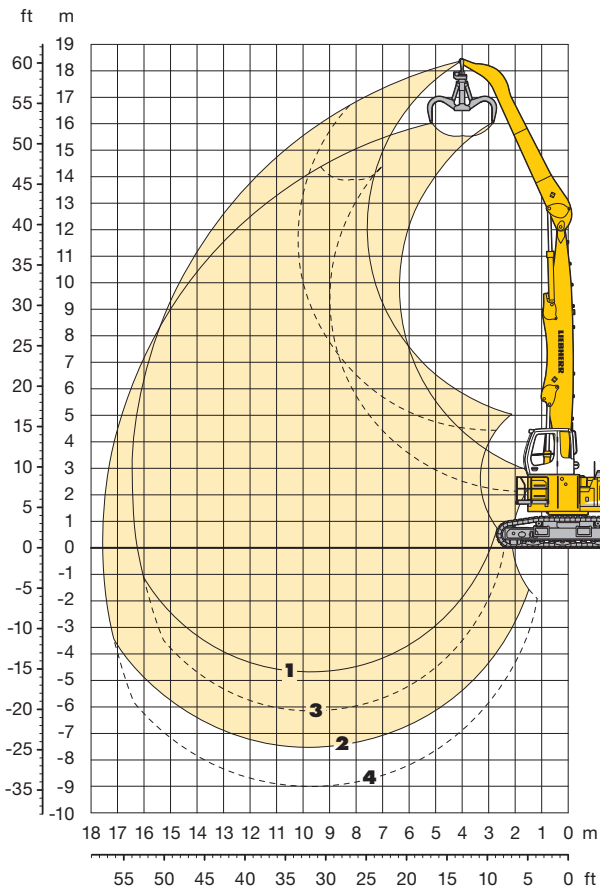
Operating Weight and Ground Pressure

Operating weight includes basic machine with rigid cab elevation 1,20 m, counterweight 11,0 t, industrial-type straight boom 9,50 m, industrial stick 7,30 m and grapple model 70 C with 5 semi-closed tines 0,80 m³.

| Undercarriage | | S-EW | |
|-----------------|--------------------|-------|-------|
| Pad width | mm | 600 | 750 |
| Weight | kg | 51400 | 52750 |
| Ground pressure | kg/cm ² | 0,97 | 0,80 |

Operating weight includes basic machine with rigid cab elevation 1,20 m, counterweight 11,0 t, industrial-type straight boom 9,50 m, industrial stick 8,80 m and grapple model 70 C with 5 semi-closed tines 0,80 m³.

| Undercarriage | | S-EW | |
|-----------------|--------------------|-------|-------|
| Pad width | mm | 600 | 750 |
| Weight | kg | 51750 | 53100 |
| Ground pressure | kg/cm ² | 0,98 | 0,80 |



Attachment Envelope

Kinematic variants 3A/3B

- 1** with industrial stick 7,30 m (3B)
- 2** with industrial stick 7,30 m and grapple model 70 C (3B)
- 3** with industrial stick 7,30 m (3A)
- 4** with industrial stick 7,30 m and grapple model 70 C (3A)

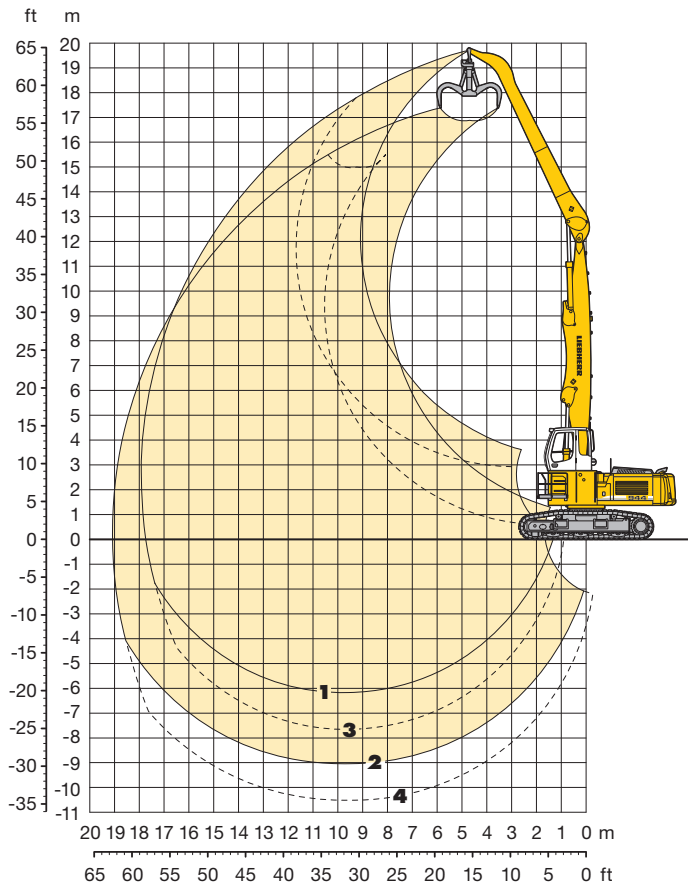
Operating Weight and Ground Pressure

Operating weight includes basic machine with rigid cab elevation 1,20 m, counterweight 11,0 t, industrial-type straight boom 9,50 m, industrial stick 7,30 m and grapple model 70 C with 5 semi-closed tines 0,80 m³.

| Undercarriage | | S-EW | |
|-----------------|--------------------|-------|-------|
| Pad width | mm | 600 | 750 |
| Weight | kg | 51400 | 52750 |
| Ground pressure | kg/cm ² | 0,97 | 0,80 |

Industrial Attachment

with Industrial-Type Straight Boom 9,50 m



Attachment Envelope

Kinematic variants 3A/3B

- 1** with industrial stick 8,80 m (3B)
- 2** with industrial stick 8,80 m and grapple model 70 C (3B)
- 3** with industrial stick 8,80 m (3A)
- 4** with industrial stick 8,80 m and grapple model 70 C (3A)

Operating Weight and Ground Pressure

Operating weight includes basic machine with rigid cab elevation 1,20 m, counterweight 11,0 t, industrial-type straight boom 9,50 m, industrial stick 8,80 m and grapple model 70 C with 5 semi-closed tines 0,80 m³.

| Undercarriage | | S-EW | |
|-----------------|--------------------|-------|-------|
| Pad width | mm | 600 | 750 |
| Weight | kg | 51750 | 53100 |
| Ground pressure | kg/cm ² | 0,98 | 0,80 |

Lift Capacities

with Industrial-Type Straight Boom 9,50 m

Industrial Stick 7,30 m (Variant 2A)

| ↑ m | Under-carriage | 4,5 m | | 6,0 m | | 7,5 m | | 9,0 m | | 10,5 m | | 12,0 m | | 13,5 m | | 15,0 m | | 16,5 m | | m | | |
|--------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|--------|------|--------|------|--------|------|--------|--|-------|-------|-------|
| | | | | | | | | | | | | | | | | | | | | | | |
| 19,5 | S-EW | | | | | | | | | | | | | | | | | | | | | |
| 18,0 | S-EW | 12,5* | 12,5* | | | | | | | | | | | | | | | | | 12,4* | 12,4* | 4,52 |
| 16,5 | S-EW | | | 12,3* | 12,3* | 10,3* | 10,3* | | | | | | | | | | | | | 9,1* | 9,1* | 8,11 |
| 15,0 | S-EW | | | | | 11,8* | 11,8* | 10,3* | 10,3* | | | | | | | | | | | 7,9* | 7,9* | 10,31 |
| 13,5 | S-EW | | | | | 11,5* | 11,5* | 10,1* | 10,1* | 9,0* | 9,0* | | | | | | | | | 7,2* | 7,2* | 11,92 |
| 12,0 | S-EW | | | | | 11,4* | 11,4* | 10,0* | 10,0* | 8,9* | 8,9* | 7,8 | 7,9* | | | | | | | 6,5 | 6,8* | 13,17 |
| 10,5 | S-EW | | | | | 11,5* | 11,5* | 10,0* | 10,0* | 8,9* | 8,9* | 7,8 | 7,9* | 6,2 | 7,0 | | | | | 5,6 | 6,3 | 14,15 |
| 9,0 | S-EW | | | | | 11,7* | 11,7* | 10,1* | 10,1* | 8,9* | 8,9* | 7,8 | 7,9* | 6,2 | 7,0 | | | | | 5,1 | 5,7 | 14,91 |
| 7,5 | S-EW | | | 14,2* | 14,2* | 12,0* | 12,0* | 10,3* | 10,3* | 9,0* | 9,0* | 7,6 | 8,0* | 6,1 | 6,9 | 5,0 | 5,6 | | | 4,7 | 5,3 | 15,49 |
| 6,0 | S-EW | 13,9* | 13,9* | 15,3* | 15,3* | 12,5* | 12,5* | 10,6* | 10,6* | 9,1* | 9,1* | 7,4 | 8,0* | 6,0 | 6,7 | 4,9 | 5,6 | | | 4,4 | 5,0 | 15,91 |
| 4,5 | S-EW | 21,5* | 21,5* | 16,2* | 16,2* | 13,0* | 13,0* | 10,8* | 10,8* | 8,8 | 9,2* | 7,1 | 8,0 | 5,8 | 6,6 | 4,8 | 5,5 | | | 4,2 | 4,8 | 16,18 |
| 3,0 | S-EW | 22,8* | 22,8* | 16,8* | 16,8* | 13,3* | 13,3* | 10,6 | 10,9* | 8,4 | 9,2* | 6,8 | 7,7 | 5,6 | 6,4 | 4,7 | 5,4 | | | 4,1 | 4,6* | 16,31 |
| 1,5 | S-EW | 7,3* | 7,3* | 16,7* | 16,7* | 13,1 | 13,2* | 10,0 | 10,8* | 8,0 | 9,1 | 6,6 | 7,4 | 5,5 | 6,2 | 4,6 | 5,3 | | | 4,1 | 4,2* | 16,29 |
| 0 | S-EW | 6,2* | 6,2* | 15,9* | 15,9* | 12,3 | 12,7* | 9,5 | 10,4* | 7,7 | 8,7* | 6,3 | 7,2 | 5,3 | 6,0 | 4,5 | 4,9* | | | 3,7* | 3,7* | 16,14 |
| -1,5 | S-EW | 6,9* | 6,9* | 13,7* | 13,7* | 11,6* | 11,6* | 9,2 | 9,7* | 7,4 | 8,1* | 6,1 | 6,7* | 5,2 | 5,5* | 4,2* | 4,2* | | | 3,3* | 3,3* | 15,77 |
| -3,0 | S-EW | | | 11,8* | 11,8* | 10,1* | 10,1* | 8,5* | 8,5* | 7,1* | 7,1* | 5,8* | 5,8* | 4,6* | 4,6* | | | | | 3,6* | 3,6* | 14,51 |
| -4,5 | S-EW | | | | | 8,0* | 8,0* | 6,8* | 6,8* | 5,7* | 5,7* | | | | | | | | | 4,6* | 4,6* | 11,98 |
| -6,0 | S-EW | | | | | | | | | | | | | | | | | | | | | |
| -7,5 | S-EW | | | | | | | | | | | | | | | | | | | | | |
| -9,0 | S-EW | | | | | | | | | | | | | | | | | | | | | |

Industrial Stick 8,80 m (Variant 2A)

| ↑ m | Under-carriage | 4,5 m | | 6,0 m | | 7,5 m | | 9,0 m | | 10,5 m | | 12,0 m | | 13,5 m | | 15,0 m | | 16,5 m | | m | | |
|--------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|-------|-------|-------|
| | | | | | | | | | | | | | | | | | | | | | | |
| 19,5 | S-EW | 11,2* | 11,2* | | | | | | | | | | | | | | | | | 11,0* | 11,0* | 4,59 |
| 18,0 | S-EW | | | | | 9,2* | 9,2* | | | | | | | | | | | | | 7,8* | 7,8* | 8,42 |
| 16,5 | S-EW | | | | | | | 9,1* | 9,1* | 7,1* | 7,1* | | | | | | | | | 6,6* | 6,6* | 10,77 |
| 15,0 | S-EW | | | | | | | 9,5* | 9,5* | 8,5* | 8,5* | 7,0* | 7,0* | | | | | | | 6,0* | 6,0* | 12,50 |
| 13,5 | S-EW | | | | | | | 9,3* | 9,3* | 8,4* | 8,4* | 7,6* | 7,6* | 6,4* | 6,4* | | | | | 5,6* | 5,6* | 13,86 |
| 12,0 | S-EW | | | | | | | 9,2* | 9,2* | 8,3* | 8,3* | 7,5* | 7,5* | 6,6 | 6,8* | | | | | 5,2 | 5,3* | 14,95 |
| 10,5 | S-EW | | | | | | | 9,3* | 9,3* | 8,3* | 8,3* | 7,5* | 7,5* | 6,6 | 6,8* | 5,3 | 5,9 | | | 4,7 | 5,2* | 15,82 |
| 9,0 | S-EW | | | | | | | 9,4* | 9,4* | 8,4* | 8,4* | 7,5* | 7,5* | 6,5 | 6,8* | 5,3 | 5,9 | 4,3 | 4,8 | 4,3 | 4,8 | 16,50 |
| 7,5 | S-EW | | | | | | | 9,6* | 9,6* | 8,5* | 8,5* | 7,6* | 7,6* | 6,4 | 6,8* | 5,2 | 5,9 | 4,3 | 4,8 | 4,0 | 4,5 | 17,03 |
| 6,0 | S-EW | | | | | 11,6* | 11,6* | 9,9* | 9,9* | 8,7* | 8,7* | 7,7* | 7,7* | 6,2 | 6,8* | 5,1 | 5,7 | 4,2 | 4,8 | 3,7 | 4,3 | 17,41 |
| 4,5 | S-EW | | | 12,9* | 12,9* | 12,2* | 12,2* | 10,3* | 10,3* | 8,9* | 8,9* | 7,4 | 7,7* | 6,0 | 6,7 | 5,0 | 5,6 | 4,1 | 4,7 | 3,6 | 4,1 | 17,66 |
| 3,0 | S-EW | 21,2* | 21,2* | 15,9* | 15,9* | 12,7* | 12,7* | 10,5* | 10,5* | 8,8 | 9,0* | 7,0 | 7,8* | 5,8 | 6,5 | 4,8 | 5,4 | 4,0 | 4,6 | 3,5 | 4,0 | 17,77 |
| 1,5 | S-EW | 22,4* | 22,4* | 16,5* | 16,5* | 13,0* | 13,0* | 10,5 | 10,7* | 8,3 | 9,0* | 6,7 | 7,6 | 5,5 | 6,3 | 4,6 | 5,3 | 3,9 | 4,5 | 3,4 | 3,7* | 17,76 |
| 0 | S-EW | 9,1* | 9,1* | 16,4* | 16,4* | 12,8 | 12,9* | 9,8 | 10,5* | 7,8 | 8,8* | 6,4 | 7,2 | 5,3 | 6,0 | 4,5 | 5,1 | 3,8 | 4,4* | 3,3* | 3,3* | 17,62 |
| -1,5 | S-EW | 7,7* | 7,7* | 15,5* | 15,5* | 12,0 | 12,3* | 9,3 | 10,1* | 7,4 | 8,4* | 6,1 | 7,0 | 5,1 | 5,9 | 4,4 | 4,9* | 3,8 | 3,8* | 2,9* | 2,9* | 17,35 |
| -3,0 | S-EW | 8,0* | 8,0* | 13,9* | 13,9* | 11,3* | 11,3* | 8,9 | 9,3* | 7,2 | 7,8* | 5,9 | 6,5* | 5,0 | 5,4* | 4,3* | 4,3* | 2,9* | 2,9* | 2,9* | 2,9* | 16,55 |
| -4,5 | S-EW | 8,9* | 8,9* | 11,7* | 11,7* | 9,8* | 9,8* | 8,1* | 8,1* | 6,8* | 6,8* | 5,6* | 5,6* | 4,5* | 4,5* | 3,3* | 3,3* | | | 3,2* | 3,2* | 15,06 |
| -6,0 | S-EW | | | | | 7,7* | 7,7* | 6,5* | 6,5* | 5,4* | 5,4* | 4,4* | 4,4* | | | | | | | 4,2* | 4,2* | 12,22 |
| -7,5 | S-EW | | | | | | | | | | | | | | | | | | | | | |
| -9,0 | S-EW | | | | | | | | | | | | | | | | | | | | | |

Height
 Can be slewed through 360°
 In longitudinal position of undercarriage
 Max. reach
 * Limited by hydr. capacity

The lift capacities are stated in metric tonnes (t) on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads are based on ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity (indicated via *). Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook. According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic check valves on the hoist cylinders, when they are used for lifting operations which require the use of lifting accessories.

Lift Capacities

with Industrial-Type Straight Boom 9,50 m

Industrial Stick 7,30 m (Variant 3B)

| m | Under-carriage | 4,5 m | | 6,0 m | | 7,5 m | | 9,0 m | | 10,5 m | | 12,0 m | | 13,5 m | | 15,0 m | | 16,5 m | | m | | |
|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|--------|------|--------|------|--------|-----|--------|--|-------|-------|-------|
| | | | | | | | | | | | | | | | | | | | | | | |
| 19,5 | S-EW | | | | | | | | | | | | | | | | | | | | | |
| 18,0 | S-EW | | | | | | | | | | | | | | | | | | | 11,6* | 11,6* | 5,34 |
| 16,5 | S-EW | | | | | 10,0* | 10,0* | | | | | | | | | | | | | 8,9* | 8,9* | 8,61 |
| 15,0 | S-EW | | | | | 9,3* | 9,3* | 8,5* | 8,5* | 8,0* | 8,0* | | | | | | | | | 7,7* | 7,7* | 10,70 |
| 13,5 | S-EW | | | | | 8,9* | 8,9* | 8,2* | 8,2* | 7,7* | 7,7* | 7,3* | 7,3* | | | | | | | 7,1* | 7,1* | 12,25 |
| 12,0 | S-EW | | | | | | | 8,1* | 8,1* | 7,5* | 7,5* | 7,1* | 7,1* | | | | | | | 6,2 | 6,7* | 13,46 |
| 10,5 | S-EW | | | | | 8,9* | 8,9* | 8,1* | 8,1* | 7,5* | 7,5* | 7,1* | 7,1* | 6,2 | 6,7* | | | | | 5,4 | 6,1 | 14,41 |
| 9,0 | S-EW | | | | | 9,3* | 9,3* | 8,4* | 8,4* | 7,7* | 7,7* | 7,1* | 7,1* | 6,2 | 6,7* | 5,0 | 5,6 | | | 4,9 | 5,5 | 15,14 |
| 7,5 | S-EW | | | 11,3* | 11,3* | 9,9* | 9,9* | 8,8* | 8,8* | 7,9* | 7,9* | 7,3* | 7,3* | 6,1 | 6,8* | 5,0 | 5,6 | | | 4,5 | 5,1 | 15,70 |
| 6,0 | S-EW | 14,1* | 14,1* | 12,7* | 12,7* | 10,7* | 10,7* | 9,3* | 9,3* | 8,3* | 8,3* | 7,3 | 7,5* | 5,9 | 6,7 | 4,9 | 5,5 | | | 4,3 | 4,8 | 16,10 |
| 4,5 | S-EW | 18,9* | 18,9* | 14,3* | 14,3* | 11,6* | 11,6* | 9,9* | 9,9* | 8,7* | 8,7* | 7,0 | 7,7* | 5,8 | 6,5 | 4,8 | 5,4 | | | 4,1 | 4,7 | 16,35 |
| 3,0 | S-EW | 15,1* | 15,1* | 15,9* | 15,9* | 12,6* | 12,6* | 10,5 | 10,5* | 8,3 | 9,1* | 6,7 | 7,6 | 5,6 | 6,3 | 4,7 | 5,3 | | | 4,0 | 4,5 | 16,45 |
| 1,5 | S-EW | 6,1* | 6,1* | 17,2* | 17,2* | 12,8 | 13,4* | 9,9 | 11,0* | 7,9 | 8,9 | 6,5 | 7,3 | 5,4 | 6,1 | 4,6 | 5,2 | | | 4,0 | 4,5 | 16,42 |
| 0 | S-EW | 5,7* | 5,7* | 14,2* | 14,2* | 12,1 | 13,9* | 9,4 | 10,7 | 7,5 | 8,6 | 6,2 | 7,1 | 5,2 | 6,0 | 4,5 | 5,1 | | | 4,0 | 4,6 | 16,25 |
| -1,5 | S-EW | 6,7* | 6,7* | 12,8* | 12,8* | 11,6 | 13,4 | 9,0 | 10,3 | 7,3 | 8,3 | 6,1 | 6,9 | 5,1 | 5,9 | 4,4 | 5,1 | | | 4,1 | 4,7 | 15,77 |
| -3,0 | S-EW | | | 13,2* | 13,2* | 11,4 | 13,2 | 8,8 | 10,1 | 7,1 | 8,2 | 6,0 | 6,8 | 5,1 | 5,8 | | | | | 4,7 | 5,3 | 14,41 |
| -4,5 | S-EW | | | | | | | 8,8 | 10,1 | 7,1 | 8,1 | | | | | | | | | 6,4 | 7,3 | 11,39 |
| -6,0 | S-EW | | | | | | | | | | | | | | | | | | | | | |
| -7,5 | S-EW | | | | | | | | | | | | | | | | | | | | | |
| -9,0 | S-EW | | | | | | | | | | | | | | | | | | | | | |

Industrial Stick 7,30 m (Variant 3A)

| m | Under-carriage | 4,5 m | | 6,0 m | | 7,5 m | | 9,0 m | | 10,5 m | | 12,0 m | | 13,5 m | | 15,0 m | | 16,5 m | | m | | |
|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|--------|------|--------|------|--------|-----|--------|--|------|------|-------|
| | | | | | | | | | | | | | | | | | | | | | | |
| 19,5 | S-EW | | | | | | | | | | | | | | | | | | | | | |
| 18,0 | S-EW | | | | | | | | | | | | | | | | | | | | | |
| 16,5 | S-EW | | | | | | | | | | | | | | | | | | | 8,9* | 8,9* | 8,61 |
| 15,0 | S-EW | | | | | | | | | 8,3* | 8,3* | | | | | | | | | 7,7* | 7,7* | 10,70 |
| 13,5 | S-EW | | | | | | | | | 8,3* | 8,3* | 7,6 | 7,8* | | | | | | | 7,1* | 7,1* | 12,25 |
| 12,0 | S-EW | | | | | | | | | 8,1* | 8,1* | 7,6* | 7,6* | | | | | | | 6,2 | 6,7* | 13,46 |
| 10,5 | S-EW | | | | | | | | | 8,1* | 8,1* | 7,5* | 7,5* | 6,2 | 7,0 | | | | | 5,4 | 6,1 | 14,41 |
| 9,0 | S-EW | | | | | | | | | 8,3* | 8,3* | 7,6* | 7,6* | 6,2 | 6,9 | 5,0 | 5,6 | | | 4,9 | 5,5 | 15,14 |
| 7,5 | S-EW | | | | | | | 9,5* | 9,5* | 8,5* | 8,5* | 7,5 | 7,7* | 6,1 | 6,8 | 5,0 | 5,6 | | | 4,5 | 5,1 | 15,70 |
| 6,0 | S-EW | | | | | 11,5* | 11,5* | 10,0* | 10,0* | 8,8* | 8,8* | 7,3 | 7,9* | 5,9 | 6,7 | 4,9 | 5,5 | | | 4,3 | 4,8 | 16,10 |
| 4,5 | S-EW | 20,3* | 20,3* | 15,3* | 15,3* | 12,4* | 12,4* | 10,5* | 10,5* | 8,7 | 9,2* | 7,0 | 7,9 | 5,8 | 6,5 | 4,8 | 5,4 | | | 4,1 | 4,7 | 16,35 |
| 3,0 | S-EW | 15,1* | 15,1* | 16,8* | 16,8* | 13,3* | 13,3* | 10,4 | 11,0* | 8,3 | 9,3 | 6,7 | 7,6 | 5,6 | 6,3 | 4,7 | 5,3 | | | 4,0 | 4,5 | 16,45 |
| 1,5 | S-EW | 6,1* | 6,1* | 17,7 | 17,8* | 12,8 | 13,9* | 9,8 | 11,2 | 7,9 | 8,9 | 6,4 | 7,3 | 5,4 | 6,1 | 4,6 | 5,2 | | | 4,0 | 4,5 | 16,42 |
| 0 | S-EW | 5,7* | 5,7* | 14,2* | 14,2* | 12,1 | 13,9 | 9,3 | 10,7 | 7,5 | 8,6 | 6,2 | 7,1 | 5,2 | 6,0 | 4,5 | 5,1 | | | 4,0 | 4,5 | 16,25 |
| -1,5 | S-EW | 6,7* | 6,7* | 12,8* | 12,8* | 11,6 | 13,4 | 9,0 | 10,3 | 7,3 | 8,3 | 6,0 | 6,9 | 5,1 | 5,8 | 4,4 | 5,0 | | | 4,1 | 4,7 | 15,93 |
| -3,0 | S-EW | 8,1* | 8,1* | 13,2* | 13,2* | 11,4 | 13,2 | 8,8 | 10,1 | 7,1 | 8,2 | 5,9 | 6,8 | 5,1 | 5,8 | 4,4 | 5,0 | | | 4,3 | 4,8* | 15,46 |
| -4,5 | S-EW | | | 14,4* | 14,4* | 11,3 | 12,0* | 8,8 | 10,0* | 7,1 | 8,1 | 5,9 | 6,8 | 5,1 | 5,8* | | | | | 4,8 | 5,0* | 14,26 |
| -6,0 | S-EW | | | | | | | 8,6* | 8,6* | 7,1 | 7,2* | | | | | | | | | 6,6 | 6,6* | 11,15 |
| -7,5 | S-EW | | | | | | | | | | | | | | | | | | | | | |
| -9,0 | S-EW | | | | | | | | | | | | | | | | | | | | | |

Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach * Limited by hydr. capacity

The lift capacities are stated in metric tonnes (t) on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via *). Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook. According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic check valves on the hoist cylinders, when they are used for lifting operations which require the use of lifting accessories.

Lift Capacities

with Industrial-Type Straight Boom 9,50 m

Industrial Stick 8,80 m (Variant 3B)

| ↑ m | Under-carriage | 4,5 m | | 6,0 m | | 7,5 m | | 9,0 m | | 10,5 m | | 12,0 m | | 13,5 m | | 15,0 m | | 16,5 m | | m | | | |
|--------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|--------|------|--------|------|--------|------|--------|-----|-------|-------|------|-------|
| | | | | | | | | | | | | | | | | | | | | | | | |
| 19,5 | S-EW | | | | | | | | | | | | | | | | | | | 10,2* | 10,2* | 5,46 | |
| 18,0 | S-EW | | | | | 9,4* | 9,4* | | | | | | | | | | | | | | 7,6* | 7,6* | 8,94 |
| 16,5 | S-EW | | | | | | | 7,8* | 7,8* | 7,4* | 7,4* | | | | | | | | | | 6,5* | 6,5* | 11,18 |
| 15,0 | S-EW | | | | | | | 7,4* | 7,4* | 6,9* | 6,9* | 6,6* | 6,6* | | | | | | | | 5,9* | 5,9* | 12,85 |
| 13,5 | S-EW | | | | | | | 7,1* | 7,1* | 6,7* | 6,7* | 6,4* | 6,4* | 6,2* | 6,2* | | | | | | 5,5* | 5,5* | 14,17 |
| 12,0 | S-EW | | | | | | | | | 6,6* | 6,6* | 6,3* | 6,3* | 6,0* | 6,0* | 5,2 | 5,8* | | | | 5,0 | 5,3* | 15,22 |
| 10,5 | S-EW | | | | | | | 7,1* | 7,1* | 6,7* | 6,7* | 6,3* | 6,3* | 6,0* | 6,0* | 5,3 | 5,7* | | | | 4,5 | 5,1 | 16,06 |
| 9,0 | S-EW | | | | | | | 7,3* | 7,3* | 6,8* | 6,8* | 6,4* | 6,4* | 6,0* | 6,0* | 5,3 | 5,7* | 4,3 | 4,8 | | 4,1 | 4,7 | 16,73 |
| 7,5 | S-EW | | | | | | | 7,7* | 7,7* | 7,1* | 7,1* | 6,6* | 6,6* | 6,1* | 6,1* | 5,2 | 5,8* | 4,2 | 4,8 | | 3,8 | 4,4 | 17,23 |
| 6,0 | S-EW | | | | | 9,3* | 9,3* | 8,3* | 8,3* | 7,5* | 7,5* | 6,8* | 6,8* | 6,2 | 6,3* | 5,0 | 5,7 | 4,2 | 4,7 | | 3,6 | 4,1 | 17,59 |
| 4,5 | S-EW | | | 12,2* | 12,2* | 10,2* | 10,2* | 8,9* | 8,9* | 7,9* | 7,9* | 7,1* | 7,1* | 5,9 | 6,5* | 4,9 | 5,5 | 4,1 | 4,6 | | 3,5 | 4,0 | 17,82 |
| 3,0 | S-EW | 18,6* | 18,6* | 14,0* | 14,0* | 11,3* | 11,3* | 9,6* | 9,6* | 8,3* | 8,3* | 6,9 | 7,4* | 5,7 | 6,4 | 4,7 | 5,4 | 4,0 | 4,5 | | 3,4 | 3,9 | 17,92 |
| 1,5 | S-EW | 16,7* | 16,7* | 15,6* | 15,6* | 12,3* | 12,3* | 10,2* | 10,2* | 8,1 | 8,8* | 6,6 | 7,5 | 5,5 | 6,2 | 4,6 | 5,2 | 3,9 | 4,4 | | 3,4 | 3,9 | 17,89 |
| 0 | S-EW | 7,8* | 7,8* | 16,8* | 16,8* | 12,5 | 13,1* | 9,6 | 10,7* | 7,7 | 8,7 | 6,3 | 7,1 | 5,2 | 6,0 | 4,4 | 5,1 | 3,8 | 4,3 | | 3,4 | 3,9 | 17,73 |
| -1,5 | S-EW | 7,2* | 7,2* | 15,4* | 15,4* | 11,8 | 13,5* | 9,1 | 10,4 | 7,3 | 8,3 | 6,0 | 6,9 | 5,1 | 5,8 | 4,3 | 4,9 | 3,7 | 4,3 | | 3,4 | 4,0 | 17,44 |
| -3,0 | S-EW | 7,8* | 7,8* | 13,7* | 13,7* | 11,3 | 13,1 | 8,7 | 10,0 | 7,0 | 8,1 | 5,8 | 6,7 | 4,9 | 5,6 | 4,2 | 4,9 | 3,7 | 4,3 | | 3,7 | 4,2 | 16,52 |
| -4,5 | S-EW | | | 13,7* | 13,7* | 11,1 | 12,8 | 8,5 | 9,8 | 6,9 | 7,9 | 5,7 | 6,6 | 4,9 | 5,6 | | | | | | 4,2 | 4,9 | 14,92 |
| -6,0 | S-EW | | | | | | | 8,5 | 9,8 | 6,8 | 7,9 | | | | | | | | | | 6,0 | 6,9 | 11,55 |
| -7,5 | S-EW | | | | | | | | | | | | | | | | | | | | | | |
| -9,0 | S-EW | | | | | | | | | | | | | | | | | | | | | | |

Industrial Stick 8,80 m (Variant 3A)

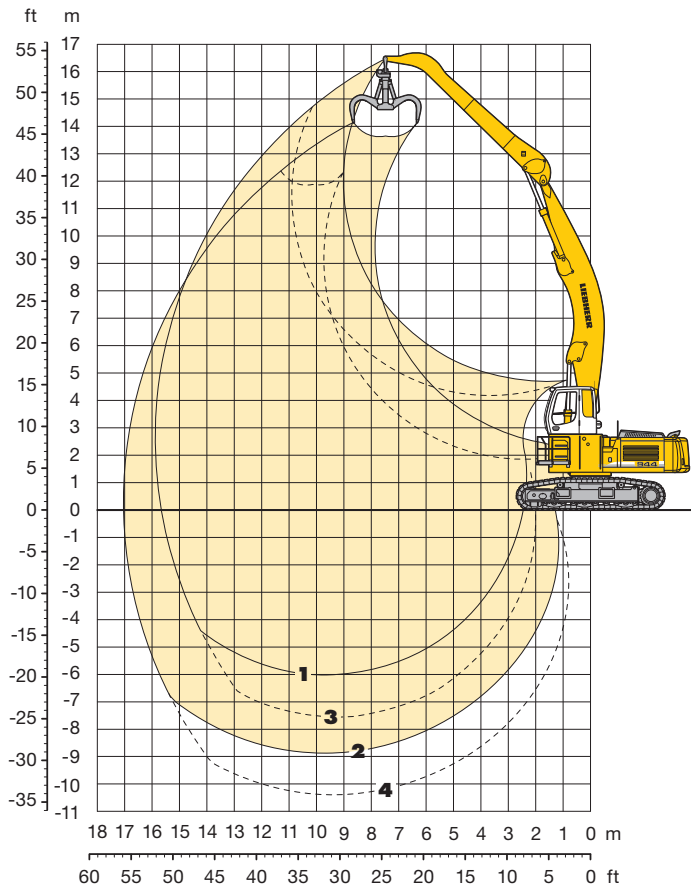
| ↑ m | Under-carriage | 4,5 m | | 6,0 m | | 7,5 m | | 9,0 m | | 10,5 m | | 12,0 m | | 13,5 m | | 15,0 m | | 16,5 m | | m | | | |
|--------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|--------|------|--------|------|--------|-----|--------|-----|---|------|------|-------|
| | | | | | | | | | | | | | | | | | | | | | | | |
| 19,5 | S-EW | | | | | | | | | | | | | | | | | | | | | | |
| 18,0 | S-EW | | | | | | | | | | | | | | | | | | | | | | |
| 16,5 | S-EW | | | | | | | | | 7,7* | 7,7* | | | | | | | | | | 6,5* | 6,5* | 11,18 |
| 15,0 | S-EW | | | | | | | | | | | 7,1* | 7,1* | | | | | | | | 5,9* | 5,9* | 12,85 |
| 13,5 | S-EW | | | | | | | | | | | 6,9* | 6,9* | 6,4 | 6,6* | | | | | | 5,5* | 5,5* | 14,17 |
| 12,0 | S-EW | | | | | | | | | | | 6,8* | 6,8* | 6,4* | 6,4* | 5,2 | 5,8 | | | | 5,0 | 5,3* | 15,22 |
| 10,5 | S-EW | | | | | | | | | | | 6,8* | 6,8* | 6,4* | 6,4* | 5,3 | 5,9 | | | | 4,5 | 5,1 | 16,06 |
| 9,0 | S-EW | | | | | | | | | | | 6,9* | 6,9* | 6,5* | 6,5* | 5,2 | 5,9 | 4,2 | 4,8 | | 4,1 | 4,7 | 16,73 |
| 7,5 | S-EW | | | | | | | | | | | 7,1* | 7,1* | 6,3 | 6,6* | 5,2 | 5,8 | 4,2 | 4,8 | | 3,8 | 4,4 | 17,23 |
| 6,0 | S-EW | | | | | | | | | 8,1* | 8,1* | 7,3* | 7,3* | 6,1 | 6,7* | 5,0 | 5,7 | 4,2 | 4,7 | | 3,6 | 4,1 | 17,59 |
| 4,5 | S-EW | | | | | | | 9,6* | 9,6* | 8,4* | 8,4* | 7,3 | 7,6* | 5,9 | 6,7 | 4,9 | 5,5 | 4,1 | 4,6 | | 3,5 | 4,0 | 17,82 |
| 3,0 | S-EW | 20,0* | 20,0* | 15,0* | 15,0* | 12,1* | 12,1* | 10,2* | 10,2* | 8,6 | 8,8* | 6,9 | 7,8 | 5,7 | 6,4 | 4,7 | 5,4 | 4,0 | 4,5 | | 3,4 | 3,9 | 17,92 |
| 1,5 | S-EW | 16,7* | 16,7* | 16,5* | 16,5* | 13,0* | 13,0* | 10,3 | 10,8* | 8,1 | 9,2 | 6,6 | 7,5 | 5,4 | 6,2 | 4,6 | 5,2 | 3,9 | 4,4 | | 3,4 | 3,9 | 17,89 |
| 0 | S-EW | 7,8* | 7,8* | 17,4 | 17,4* | 12,5 | 13,6* | 9,6 | 10,9 | 7,7 | 8,7 | 6,3 | 7,1 | 5,2 | 6,0 | 4,4 | 5,0 | 3,8 | 4,3 | | 3,4 | 3,9 | 17,73 |
| -1,5 | S-EW | 7,2* | 7,2* | 15,4* | 15,4* | 11,8 | 13,6 | 9,1 | 10,4 | 7,3 | 8,3 | 6,0 | 6,9 | 5,0 | 5,8 | 4,3 | 4,9 | 3,7 | 4,3 | | 3,4 | 3,9 | 17,44 |
| -3,0 | S-EW | 7,8* | 7,8* | 13,7* | 13,7* | 11,3 | 13,1 | 8,7 | 10,0 | 7,0 | 8,1 | 5,8 | 6,7 | 4,9 | 5,6 | 4,2 | 4,9 | 3,7 | 4,3 | | 3,6 | 4,1 | 17,01 |
| -4,5 | S-EW | 8,7* | 8,7* | 13,7* | 13,7* | 11,0 | 12,8 | 8,5 | 9,8 | 6,9 | 7,9 | 5,7 | 6,6 | 4,9 | 5,6 | 4,2 | 4,8 | | | | 3,8 | 4,0* | 16,38 |
| -6,0 | S-EW | 9,9* | 9,9* | 14,2* | 14,2* | 11,0 | 11,7* | 8,5 | 9,7* | 6,8 | 7,9 | 5,7 | 6,5 | 4,9 | 5,6 | | | | | | 4,3 | 4,6* | 14,77 |
| -7,5 | S-EW | | | | | | | 8,3* | 8,3* | 6,9 | 6,9* | | | | | | | | | | 6,2 | 6,3* | 11,30 |
| -9,0 | S-EW | | | | | | | | | | | | | | | | | | | | | | |

Height
 Can be slewed through 360°
 In longitudinal position of undercarriage
 Max. reach
 * Limited by hydr. capacity

The lift capacities are stated in metric tonnes (t) on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads are based on ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity (indicated via *). Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook. According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic check valves on the hoist cylinders, when they are used for lifting operations which require the use of lifting accessories.

Industrial Attachment

with Industrial-Type Gooseneck Boom 9,50 m



Attachment Envelope

Kinematic variants 3C/3D

- 1** with industrial stick 7,30 m (3D)
- 2** with industrial stick 7,30 m and grapple model 70 C (3D)
- 3** with industrial stick 7,30 m (3C)
- 4** with industrial stick 7,30 m and grapple model 70 C (3C)

Operating Weight and Ground Pressure

Operating weight includes basic machine with rigid cab elevation 1,20 m, counterweight 11,0 t, industrial-type gooseneck boom 9,50 m, industrial stick 7,30 m and grapple model 70 C with 5 semi-closed tines 0,80 m³.

| Undercarriage | | S-EW | |
|-----------------|--------------------|-------|-------|
| Pad width | mm | 600 | 750 |
| Weight | kg | 51600 | 52950 |
| Ground pressure | kg/cm ² | 0,98 | 0,80 |

Lift Capacities

with Industrial-Type Gooseneck Boom 9,50 m

Industrial Stick 7,30 m (Variant 3C)

| ↑ m | Under-carriage | 4,5 m | | 6,0 m | | 7,5 m | | 9,0 m | | 10,5 m | | 12,0 m | | 13,5 m | | 15,0 m | | 16,5 m | | m | | | |
|--------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|--------|------|--------|------|--------|------|--------|--|---|------|------|-------|
| | | | | | | | | | | | | | | | | | | | | | | | |
| 19,5 | S-EW | | | | | | | | | | | | | | | | | | | | | | |
| 18,0 | S-EW | | | | | | | | | | | | | | | | | | | | | | |
| 16,5 | S-EW | | | | | | | | | | | | | | | | | | | | | | |
| 15,0 | S-EW | | | | | | | | | | | | | | | | | | | | | | |
| 13,5 | S-EW | | | | | | | | | | | | | | | | | | | | 5,9* | 5,9* | 11,48 |
| 12,0 | S-EW | | | | | | | | | | | 5,6* | 5,6* | | | | | | | | 5,7* | 5,7* | 12,76 |
| 10,5 | S-EW | | | | | | | | | | | 5,6* | 5,6* | 5,5* | 5,5* | | | | | | 5,5* | 5,5* | 13,75 |
| 9,0 | S-EW | | | | | | | | | 5,9* | 5,9* | 5,7* | 5,7* | 5,5* | 5,5* | | | | | | 5,5 | 5,5* | 14,52 |
| 7,5 | S-EW | | | | | | | | | 6,2* | 6,2* | 5,9* | 5,9* | 5,7* | 5,7* | 5,1 | 5,5* | | | | 5,0 | 5,5* | 15,10 |
| 6,0 | S-EW | | | | | | | 7,3* | 7,3* | 6,6* | 6,6* | 6,2* | 6,2* | 5,8* | 5,8* | 5,0 | 5,6* | | | | 4,7 | 5,3 | 15,52 |
| 4,5 | S-EW | | | 11,1* | 11,1* | 9,2* | 9,2* | 8,0* | 8,0* | 7,2* | 7,2* | 6,5* | 6,5* | 5,9 | 6,1* | 4,9 | 5,5 | | | | 4,4 | 5,0 | 15,77 |
| 3,0 | S-EW | 18,5* | 18,5* | 13,2* | 13,2* | 10,5* | 10,5* | 8,8* | 8,8* | 7,7* | 7,7* | 6,9 | 6,9* | 5,7 | 6,4* | 4,7 | 5,4 | | | | 4,3 | 4,9 | 15,88 |
| 1,5 | S-EW | 9,8* | 9,8* | 15,1* | 15,1* | 11,7* | 11,7* | 9,6* | 9,6* | 8,0 | 8,3* | 6,6 | 7,3* | 5,5 | 6,2 | 4,6 | 5,2 | | | | 4,2 | 4,8 | 15,85 |
| 0 | S-EW | 8,3* | 8,3* | 16,4* | 16,4* | 12,3 | 12,6* | 9,5 | 10,3* | 7,7 | 8,7 | 6,3 | 7,2 | 5,3 | 6,0 | 4,5 | 5,1 | | | | 4,2 | 4,8 | 15,67 |
| -1,5 | S-EW | 8,7* | 8,7* | 15,0* | 15,0* | 11,7 | 13,3* | 9,1 | 10,4 | 7,4 | 8,4 | 6,1 | 7,0 | 5,1 | 5,9 | 4,4 | 5,0 | | | | 4,3 | 4,9 | 15,34 |
| -3,0 | S-EW | 9,6* | 9,6* | 14,6* | 14,6* | 11,4 | 13,2 | 8,8 | 10,1 | 7,2 | 8,2 | 6,0 | 6,8 | 5,1 | 5,8 | | | | | | 4,4 | 5,1 | 14,85 |
| -4,5 | S-EW | 10,6* | 10,6* | 15,1* | 15,1* | 11,3 | 13,0 | 8,7 | 10,0 | 7,1 | 8,1 | 5,9 | 6,7 | 5,0 | 5,8 | | | | | | 4,7 | 5,4 | 14,18 |
| -6,0 | S-EW | | | 15,9 | 16,1* | 11,3 | 13,1 | 8,7 | 10,0 | 7,1 | 8,1 | 5,9 | 6,8 | | | | | | | | 5,2 | 5,9 | 13,31 |
| -7,5 | S-EW | | | | | | | 8,9 | 10,2* | | | | | | | | | | | | 7,5 | 8,6 | 10,15 |
| -9,0 | S-EW | | | | | | | | | | | | | | | | | | | | | | |

Industrial Stick 7,30 m (Variant 3D)

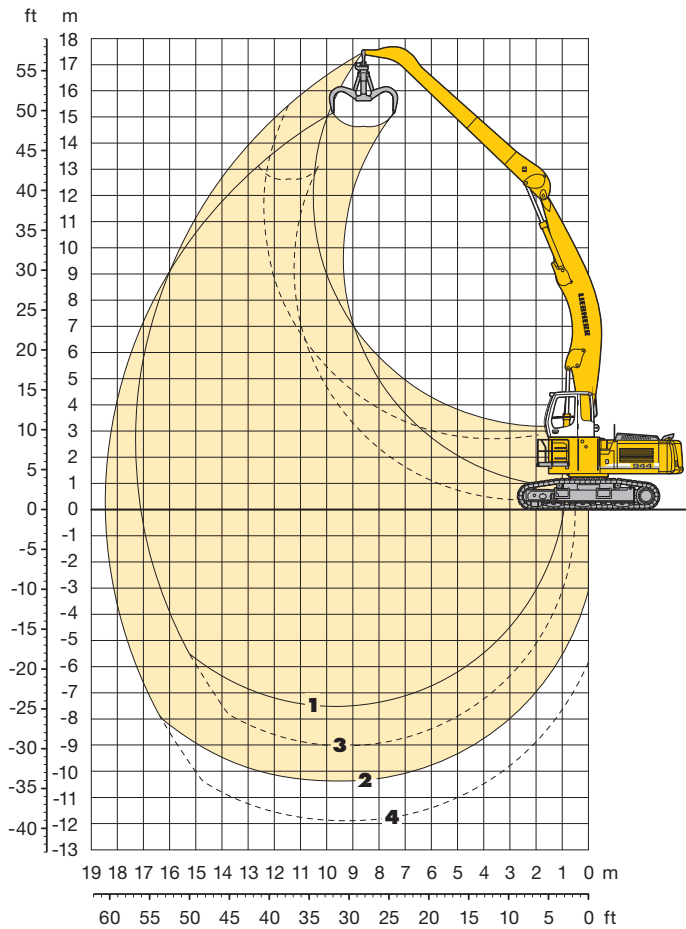
| ↑ m | Under-carriage | 4,5 m | | 6,0 m | | 7,5 m | | 9,0 m | | 10,5 m | | 12,0 m | | 13,5 m | | 15,0 m | | 16,5 m | | m | | | |
|--------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|--------|------|--------|------|--------|-----|--------|--|---|------|------|-------|
| | | | | | | | | | | | | | | | | | | | | | | | |
| 19,5 | S-EW | | | | | | | | | | | | | | | | | | | | | | |
| 18,0 | S-EW | | | | | | | | | | | | | | | | | | | | | | |
| 16,5 | S-EW | | | | | | | | | | | | | | | | | | | | | | |
| 15,0 | S-EW | | | | | | | 7,6* | 7,6* | | | | | | | | | | | | 7,3* | 7,3* | 9,80 |
| 13,5 | S-EW | | | | | | | 7,2* | 7,2* | 6,9* | 6,9* | | | | | | | | | | 6,7* | 6,7* | 11,48 |
| 12,0 | S-EW | | | | | | | | | 6,7* | 6,7* | 6,5* | 6,5* | | | | | | | | 6,4* | 6,4* | 12,76 |
| 10,5 | S-EW | | | | | | | 7,1* | 7,1* | 6,7* | 6,7* | 6,4* | 6,4* | 6,2* | 6,2* | | | | | | 6,1 | 6,2* | 13,75 |
| 9,0 | S-EW | | | | | | | 7,4* | 7,4* | 6,9* | 6,9* | 6,5* | 6,5* | 6,2* | 6,2* | | | | | | 5,5 | 6,0* | 14,52 |
| 7,5 | S-EW | | | | | 8,7* | 8,7* | 7,8* | 7,8* | 7,2* | 7,2* | 6,7* | 6,7* | 6,3 | 6,3* | 5,1 | 5,7 | | | | 5,0 | 5,6 | 15,10 |
| 6,0 | S-EW | | | 11,1* | 11,1* | 9,5* | 9,5* | 8,4* | 8,4* | 7,6* | 7,6* | 6,9* | 6,9* | 6,1 | 6,4* | 5,0 | 5,6 | | | | 4,7 | 5,3 | 15,52 |
| 4,5 | S-EW | 17,0* | 17,0* | 12,9* | 12,9* | 10,6* | 10,6* | 9,1* | 9,1* | 8,0* | 8,0* | 7,2 | 7,2* | 5,9 | 6,6* | 4,9 | 5,5 | | | | 4,4 | 5,0 | 15,77 |
| 3,0 | S-EW | 20,5* | 20,5* | 14,8* | 14,8* | 11,7* | 11,7* | 9,8* | 9,8* | 8,5 | 8,5* | 6,9 | 7,5* | 5,7 | 6,4 | 4,7 | 5,4 | | | | 4,3 | 4,9 | 15,88 |
| 1,5 | S-EW | 9,8* | 9,8* | 16,3* | 16,3* | 12,6* | 12,6* | 10,1 | 10,4* | 8,0 | 8,9* | 6,6 | 7,4 | 5,5 | 6,2 | 4,6 | 5,2 | | | | 4,2 | 4,8 | 15,85 |
| 0 | S-EW | 8,3* | 8,3* | 16,9 | 17,2* | 12,3 | 13,3* | 9,5 | 10,8 | 7,6 | 8,7 | 6,3 | 7,2 | 5,3 | 6,0 | 4,5 | 5,1 | | | | 4,2 | 4,8 | 15,67 |
| -1,5 | S-EW | 8,7* | 8,7* | 15,0* | 15,0* | 11,7 | 13,5 | 9,1 | 10,4 | 7,4 | 8,4 | 6,1 | 6,9 | 5,1 | 5,9 | 4,4 | 5,0 | | | | 4,3 | 4,9 | 15,34 |
| -3,0 | S-EW | 9,6* | 9,6* | 14,6* | 14,6* | 11,4 | 13,2 | 8,8 | 10,1 | 7,2 | 8,2 | 6,0 | 6,8 | 5,1 | 5,8 | | | | | | 4,4 | 5,1 | 14,85 |
| -4,5 | S-EW | | | 15,1* | 15,1* | 11,3 | 13,1 | 8,7 | 10,0 | 7,1 | 8,1 | 5,9 | 6,7 | 5,0 | 5,8 | | | | | | 4,8 | 5,5 | 14,10 |
| -6,0 | S-EW | | | | | | | | | | | | | | | | | | | | 7,4 | 8,5 | 10,12 |
| -7,5 | S-EW | | | | | | | | | | | | | | | | | | | | | | |
| -9,0 | S-EW | | | | | | | | | | | | | | | | | | | | | | |

Height
 Can be slewed through 360°
 In longitudinal position of undercarriage
 Max. reach
 * Limited by hydr. capacity

The lift capacities are stated in metric tonnes (t) on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads are based on ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity (indicated via *). Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook. According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic check valves on the hoist cylinders, when they are used for lifting operations which require the use of lifting accessories.

Industrial Attachment

with Industrial-Type Gooseneck Boom 9,50 m



Attachment Envelope

Kinematic variants 3C/3D

- 1** with industrial stick 8,80 m (3D)
- 2** with industrial stick 8,80 m and grapple model 70 C (3D)
- 3** with industrial stick 8,80 m (3C)
- 4** with industrial stick 8,80 m and grapple model 70 C (3C)

Operating Weight and Ground Pressure

Operating weight includes basic machine with rigid cab elevation 1,20 m, counterweight 11,0 t, industrial-type gooseneck boom 9,50 m, industrial stick 8,80 m and grapple model 70 C with 5 semi-closed tines 0,80 m³.

| Undercarriage | | S-EW | |
|-----------------|--------------------|-------|-------|
| Pad width | mm | 600 | 750 |
| Weight | kg | 51950 | 53300 |
| Ground pressure | kg/cm ² | 0,98 | 0,81 |

Lift Capacities

with Industrial-Type Gooseneck Boom 9,50 m

Industrial Stick 8,80 m (Variant 3C)

| ↑ m | Under-carriage | 4,5 m | | 6,0 m | | 7,5 m | | 9,0 m | | 10,5 m | | 12,0 m | | 13,5 m | | 15,0 m | | 16,5 m | | m | | |
|--------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|------|------|-------|
| | | | | | | | | | | | | | | | | | | | | | | |
| 19,5 | S-EW | | | | | | | | | | | | | | | | | | | | | |
| 18,0 | S-EW | | | | | | | | | | | | | | | | | | | | | |
| 16,5 | S-EW | | | | | | | | | | | | | | | | | | | | | |
| 15,0 | S-EW | | | | | | | | | | | | | | | | | | | 5,1* | 5,1* | 11,97 |
| 13,5 | S-EW | | | | | | | | | | | | | | | | | | | 4,9* | 4,9* | 13,38 |
| 12,0 | S-EW | | | | | | | | | | | | 4,7* | 4,7* | | | | | | 4,8* | 4,8* | 14,49 |
| 10,5 | S-EW | | | | | | | | | | | | 4,7* | 4,7* | 4,7* | 4,7* | | | | 4,7* | 4,7* | 15,37 |
| 9,0 | S-EW | | | | | | | | | | | | 4,8* | 4,8* | 4,7* | 4,7* | | | | 4,6 | 4,7* | 16,06 |
| 7,5 | S-EW | | | | | | | | | | | 5,1* | 5,1* | 4,9* | 4,9* | 4,8* | 4,8* | 4,3 | 4,7* | 4,3 | 4,7* | 16,59 |
| 6,0 | S-EW | | | | | | | | | 5,7* | 5,7* | 5,4* | 5,4* | 5,1* | 5,1* | 4,9* | 4,9* | 4,3 | 4,8* | 4,0 | 4,6 | 16,96 |
| 4,5 | S-EW | | | | | | | 6,8* | 6,8* | 6,2* | 6,2* | 5,8* | 5,8* | 5,4* | 5,4* | 5,0 | 5,1* | 4,2 | 4,7 | 3,8 | 4,3 | 17,20 |
| 3,0 | S-EW | | | 10,8* | 10,8* | 8,9* | 8,9* | 7,7* | 7,7* | 6,8* | 6,8* | 6,2* | 6,2* | 5,7* | 5,7* | 4,8 | 5,3* | 4,0 | 4,6 | 3,7 | 4,2 | 17,30 |
| 1,5 | S-EW | 18,0* | 18,0* | 12,9* | 12,9* | 10,2* | 10,2* | 8,5* | 8,5* | 7,4* | 7,4* | 6,6* | 6,6* | 5,6 | 6,0* | 4,7 | 5,3 | 3,9 | 4,5 | 3,6 | 4,1 | 17,27 |
| 0 | S-EW | 11,4* | 11,4* | 14,7* | 14,7* | 11,3* | 11,3* | 9,3* | 9,3* | 7,8 | 8,0* | 6,4 | 7,0* | 5,3 | 6,1 | 4,5 | 5,1 | 3,8 | 4,4 | 3,6 | 4,1 | 17,10 |
| -1,5 | S-EW | 9,5* | 9,5* | 15,9* | 15,9* | 12,0 | 12,3* | 9,2 | 10,0* | 7,4 | 8,5* | 6,1 | 7,0 | 5,1 | 5,8 | 4,3 | 5,0 | 3,7 | 4,3 | 3,6 | 4,2 | 16,80 |
| -3,0 | S-EW | 9,4* | 9,4* | 15,6* | 15,6* | 11,4 | 12,9* | 8,8 | 10,1 | 7,1 | 8,1 | 5,9 | 6,7 | 4,9 | 5,7 | 4,2 | 4,9 | | | 3,7 | 4,3 | 16,36 |
| -4,5 | S-EW | 9,9* | 9,9* | 14,8* | 14,8* | 11,1 | 12,8 | 8,5 | 9,9 | 6,9 | 7,9 | 5,7 | 6,6 | 4,8 | 5,6 | 4,2 | 4,8 | | | 3,9 | 4,5 | 15,75 |
| -6,0 | S-EW | 10,5* | 10,5* | 15,0* | 15,0* | 10,9 | 12,7 | 8,4 | 9,7 | 6,8 | 7,8 | 5,7 | 6,5 | 4,8 | 5,5 | | | | | 4,2 | 4,8 | 14,97 |
| -7,5 | S-EW | 11,3* | 11,3* | 15,4 | 15,8* | 11,0 | 12,7 | 8,4 | 9,7 | 6,8 | 7,8 | 5,7 | 6,5 | 4,9 | 5,6 | | | | | 4,7 | 5,4 | 13,99 |
| -9,0 | S-EW | | | | | | | 8,6 | 9,8* | | | | | | | | | | | 7,2 | 8,2 | 10,23 |

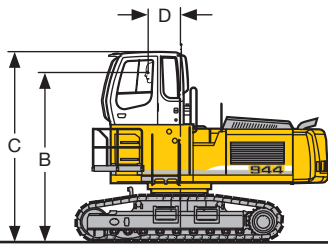
Industrial Stick 8,80 m (Variant 3D)

| ↑ m | Under-carriage | 4,5 m | | 6,0 m | | 7,5 m | | 9,0 m | | 10,5 m | | 12,0 m | | 13,5 m | | 15,0 m | | 16,5 m | | m | | | |
|--------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|------|------|-------|--|
| | | | | | | | | | | | | | | | | | | | | | | | |
| 19,5 | S-EW | | | | | | | | | | | | | | | | | | | | | | |
| 18,0 | S-EW | | | | | | | | | | | | | | | | | | | | | | |
| 16,5 | S-EW | | | | | | | | | | | | | | | | | | | | | | |
| 15,0 | S-EW | | | | | | | | | 6,1* | 6,1* | | | | | | | | | 6,2* | 6,2* | 10,15 | |
| 13,5 | S-EW | | | | | | | | | 5,9* | 5,9* | 5,7* | 5,7* | | | | | | | 5,6* | 5,6* | 11,97 | |
| 12,0 | S-EW | | | | | | | | | | | 5,6* | 5,6* | 5,5* | 5,5* | | | | | 5,3* | 5,3* | 13,38 | |
| 10,5 | S-EW | | | | | | | | | | | 5,8* | 5,8* | 5,6* | 5,6* | 5,4* | 5,4* | 5,3* | 5,3* | | | 14,49 | |
| 9,0 | S-EW | | | | | | | | | | | 6,0* | 6,0* | 5,7* | 5,7* | 5,5* | 5,5* | 5,3* | 5,3* | | | 15,37 | |
| 7,5 | S-EW | | | | | | | | | | | 6,3* | 6,3* | 5,9* | 5,9* | 5,6* | 5,6* | 5,3 | 5,3* | 4,3 | 4,9 | 16,06 | |
| 6,0 | S-EW | | | | | | | 7,3* | 7,3* | 6,7* | 6,7* | 6,2* | 6,2* | 5,8* | 5,8* | 5,2 | 5,5* | 4,3 | 4,8 | 4,3 | 4,8 | 16,59 | |
| 4,5 | S-EW | | | | | 9,1* | 9,1* | 8,0* | 8,0* | 7,2* | 7,2* | 6,5* | 6,5* | 6,0* | 6,0* | 5,0 | 5,6* | 4,2 | 4,7 | 4,0 | 4,5 | 16,96 | |
| 3,0 | S-EW | 16,6* | 16,6* | 12,6* | 12,6* | 10,2* | 10,2* | 8,7* | 8,7* | 7,7* | 7,7* | 6,9* | 6,9* | 5,8 | 6,3* | 4,8 | 5,5 | 4,0 | 4,6 | 3,7 | 4,2 | 17,20 | |
| 1,5 | S-EW | 20,0* | 20,0* | 14,4* | 14,4* | 11,4* | 11,4* | 9,5* | 9,5* | 8,2* | 8,2* | 6,7 | 7,2* | 5,6 | 6,3 | 4,7 | 5,3 | 3,9 | 4,5 | 3,6 | 4,1 | 17,30 | |
| 0 | S-EW | 11,4* | 11,4* | 15,9* | 15,9* | 12,3* | 12,3* | 9,8 | 10,1* | 7,8 | 8,6* | 6,4 | 7,3 | 5,3 | 6,1 | 4,5 | 5,1 | 3,8 | 4,4 | 3,6 | 4,1 | 17,10 | |
| -1,5 | S-EW | 9,5* | 9,5* | 16,5 | 16,8* | 12,0 | 13,0* | 9,2 | 10,6 | 7,4 | 8,5 | 6,1 | 7,0 | 5,1 | 5,8 | 4,3 | 5,0 | 3,7 | 4,3 | 3,6 | 4,2 | 16,80 | |
| -3,0 | S-EW | 9,4* | 9,4* | 15,6* | 15,6* | 11,4 | 13,2 | 8,8 | 10,1 | 7,1 | 8,1 | 5,9 | 6,7 | 4,9 | 5,7 | 4,2 | 4,9 | | | 3,7 | 4,3 | 16,36 | |
| -4,5 | S-EW | 9,9* | 9,9* | 14,8* | 14,8* | 11,1 | 12,8 | 8,5 | 9,9 | 6,9 | 7,9 | 5,7 | 6,6 | 4,8 | 5,6 | 4,2 | 4,8 | | | 3,9 | 4,5 | 15,75 | |
| -6,0 | S-EW | | | 15,0* | 15,0* | 10,9 | 12,7 | 8,4 | 9,7 | 6,8 | 7,8 | 5,7 | 6,5 | 4,8 | 5,5 | | | | | 4,4 | 5,0 | 14,58 | |
| -7,5 | S-EW | | | | | | | | | | | | | | | | | | | 7,1 | 8,2 | 10,16 | |
| -9,0 | S-EW | | | | | | | | | | | | | | | | | | | | | | |

Height
 Can be slewed through 360°
 In longitudinal position of undercarriage
 Max. reach
 * Limited by hydr. capacity

The lift capacities are stated in metric tonnes (t) on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface. Capacities are valid for 600 mm wide triple grouser pads. Indicated loads are based on ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity (indicated via *). Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook. According to European Standard, EN 474-5: In the European Union excavators have to be equipped with an overload warning device, a load diagram and automatic check valves on the hoist cylinders, when they are used for lifting operations which require the use of lifting accessories.

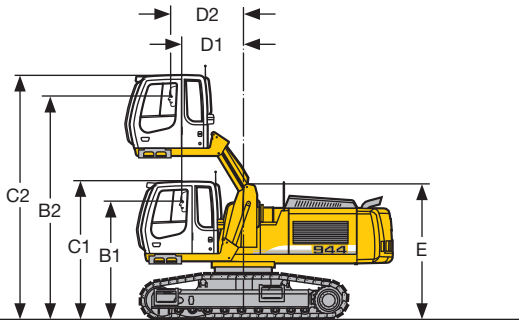
Choice of Cab Elevation and Cab Protection



Rigid Cab Elevation

| | | |
|--------|---------|---------|
| Height | 1200 mm | 2000 mm |
| B | 3995 mm | 4795 mm |
| C | 4490 mm | 5290 mm |
| D | 765 mm | 765 mm |

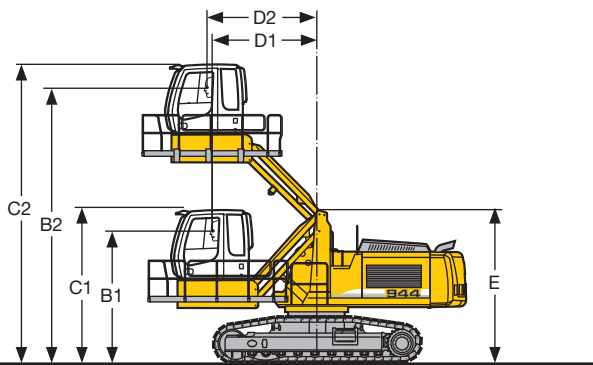
Additional weight with fixed cab elevation 2000 mm in relation to cab elevation 1200 mm: 200 kg



Hydraulic Cab Elevation

| | |
|----|---------|
| B1 | 2790 mm |
| B2 | 5290 mm |
| C1 | 3290 mm |
| C2 | 5790 mm |
| D1 | 1450 mm |
| D2 | 1700 mm |
| E | 3200 mm |

Additional weight in relation to cab elevation 1200 mm: 600 kg

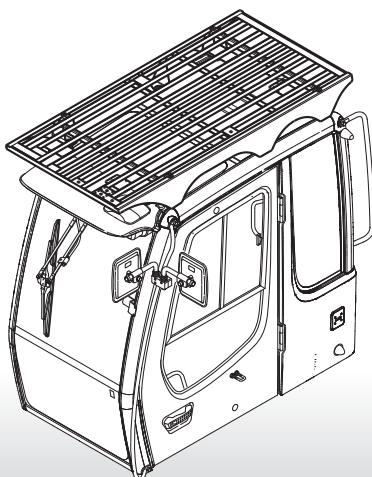


Hydraulic Cab Elevation (Parallelogram) + Intermediate Piece 0,5 m

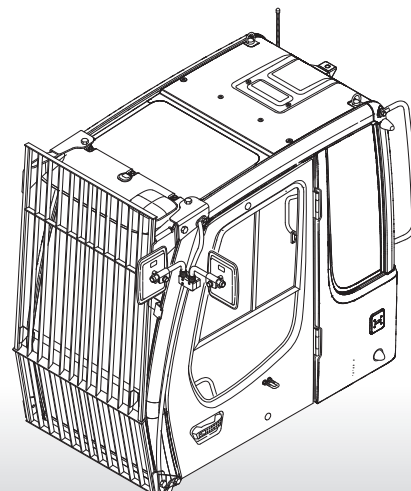
| | |
|----|---------|
| B1 | 3300 mm |
| B2 | 6885 mm |
| C1 | 3798 mm |
| C2 | 7383 mm |
| D1 | 2490 mm |
| D2 | 2630 mm |
| E | 3785 mm |

Additional weight in relation to cab elevation 1200 mm: 1700 kg

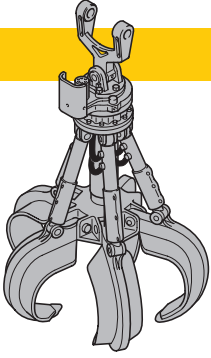
FOPS Guard



Front Guard

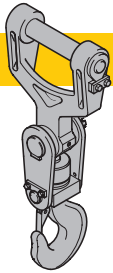


Variety of Tools



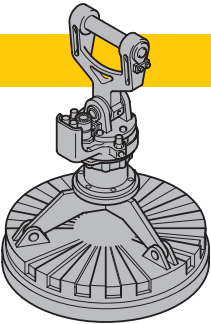
Multiple Tine Grapples

| | | open tines | | semi-closed tines | | closed tines | | |
|--|----------|----------------|------|-------------------|------|--------------|------|------|
| Grapple Model 69 (4 tines) | Capacity | m ³ | 0,80 | 1,10 | 0,80 | 1,10 | 0,80 | 1,10 |
| | Weight | kg | 1345 | 1395 | 1535 | 1640 | 1900 | 2060 |
| Grapple Model 70 C (5 tines) | Capacity | m ³ | 0,80 | 1,10 | 0,80 | 1,10 | 0,80 | 1,10 |
| | Weight | kg | 1485 | 1590 | 1705 | 1860 | 1950 | 1995 |



Crane Hook with Suspension

| | | |
|------------------------|----|------|
| Max. load | t | 12,5 |
| Height with suspension | mm | 930 |
| Weight | kg | 96 |



Electromagnets with Suspension

Magnet information on request

For further information see color brochure "Add-on tools for material-handling technology". To operate a magnet the installation of a generator is required; please contact your Liebherr dealer or the factory for further information.

Equipment



Undercarriage

S O

| | | |
|---|---|---|
| Two-speed travel | • | |
| Track guides on idler end | • | |
| Life time lubricated track rollers | • | |
| Travel drive completely integrated into the undercarriage frame | • | |
| Tracks sealed and greased | • | |
| Track guides at sprocket and in center | | • |
| Reinforced base-plate center-piece | | • |
| Conversion kit – Track D 7 to D 7 G | | • |



Uppercarriage

S O

| | | |
|------------------------------------|---|---|
| Engine hood with lift help | • | |
| Lockable tool box | • | |
| Handrails, non slip surfaces | • | |
| Tool kit | • | |
| Maintenance-free swing brake lock | • | |
| Maintenance-free HD-batteries | • | |
| Main switch for electric circuit | • | |
| Sound insulation | • | |
| Electric fuel tank filler pump | | • |
| Foot pedal swing positioning brake | | • |
| Extended tool kit | | • |
| Customized colors | | • |



Hydraulics

S O

| | | |
|--|---|---|
| Electronic pump regulation | • | |
| Stepless work mode selector | • | |
| Pressure storage for controlled lowering of attachments with engine turned off | • | |
| Hydraulic tank shut-off valve | • | |
| Pressure compensation | • | |
| Flow compensation | • | |
| Filter with integrated fine filter area (5 µm) | • | |
| Pressure test ports | • | |
| Additional hydraulic circuits | | • |
| Bio-degradable hydr. oil | | • |
| Filter for secondary circuit | | • |



Engine

S O

| | | |
|---|---|---|
| Unit pump system | • | |
| Turbo-charged and after-cooled, reduced emissions | • | |
| Dry-type air cleaner w/pre-cleaner, main and safety element | • | |
| Sensor controlled engine idling | • | |
| Engine cold starting aid | | • |



Operator's Cab

S O

| | | |
|--|---|---|
| Roof hatch | • | |
| All tinted windows | • | |
| Right window made of one piece (without post) | • | |
| Door with sliding window | • | |
| Rain hood over front window opening | • | |
| Wiper/washer | • | |
| Emergency exit rear window | • | |
| Sun roller blind | • | |
| Seat and consoles independently adjustable (6-way adjustable seat) | • | |
| Storage tray | • | |
| Closed storage space | • | |
| Cloth hook | • | |
| Removable customized foot mat | • | |
| Dome light | • | |
| Inside rear mirror | • | |
| Cigarette lighter and ashtray | • | |
| Seat belt | • | |
| Mechanical hour meters, readable from outside the cab | • | |
| Displays for engine operating condition | • | |
| Automatic air conditioning with defroster | • | |
| Preparation for radio installation | • | |
| Stereo radio | | • |
| Electric cool box | | • |
| Auxiliary heating | | • |
| Additional flood lights | | • |
| Wiper in lower front window | | • |
| Roof window wiper | | • |
| Bullet proof window (fixed installation – can not be opened) | | • |
| FOPS Protection | | • |
| Air pressure operator seat with heating and head-rest | | • |
| Electronic drive away lock | | • |
| Beacon | | • |
| Extinguisher | | • |



Attachment

S O

| | | |
|---|---|---|
| Flood lights | • | |
| Hydr. lines for clam operation in stick | • | |
| Sealed pivots | • | |
| Liebherr semi-automatic central lubrication system | • | |
| Safety check valves on hoist cylinder, regenerative | • | |
| Safety check valves on stick cylinder, regenerative | • | |
| Hose quick connection | • | |
| Cylinders with shock absorber | • | |
| Industrial-type gooseneck sticks with remote hydraulic pin puller | | • |
| Safety lift hook | | • |
| Liebherr line of clams | | • |
| Liebherr fully-automatic central lubrication system | | • |
| Customized colors | | • |
| Overload warning device | | • |

S = Standard, O = Option

Options and/or special attachments, supplied by vendors other than Liebherr, are only to be installed with the knowledge and approval of Liebherr to retain warranty.

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