
Pumping concrete for special deep foundation

110 D-K, 140 D-K

LIEBHERR

Crawler concrete pump



Crawler concrete pumps

High ease of maintenance

Many possible applications



LIEBHERR
110 D-K

Large slope angle

Powerful and smooth-running pump

Large slope angle

for optimum off-road mobility. The overall robust design of the crawler concrete pumps ensures reliable operation over many years with low operating costs.

Many possible applications

The high-quality crawler concrete pumps from Liebherr are particularly suitable for concrete pile foundations. In addition, they are often used for long-distance and high-level delivery of concrete via concrete pipes or concrete distribution systems.

Powerful and smooth-running pump

The entire construction is designed for high pumping capacity and economical operation. Both versions are equipped with powerful six-cylinder engines. Thanks to the end position damping of the swivel cylinders, the pump is particularly smooth-running, which is advantageous when concreting with concrete delivery hoses.



Feed hopper

Remote-controlled crawler drive

High ease of maintenance

The spacious cover ensures optimum access to all components. Smooth outer surfaces without interfering edges make cleaning easier.

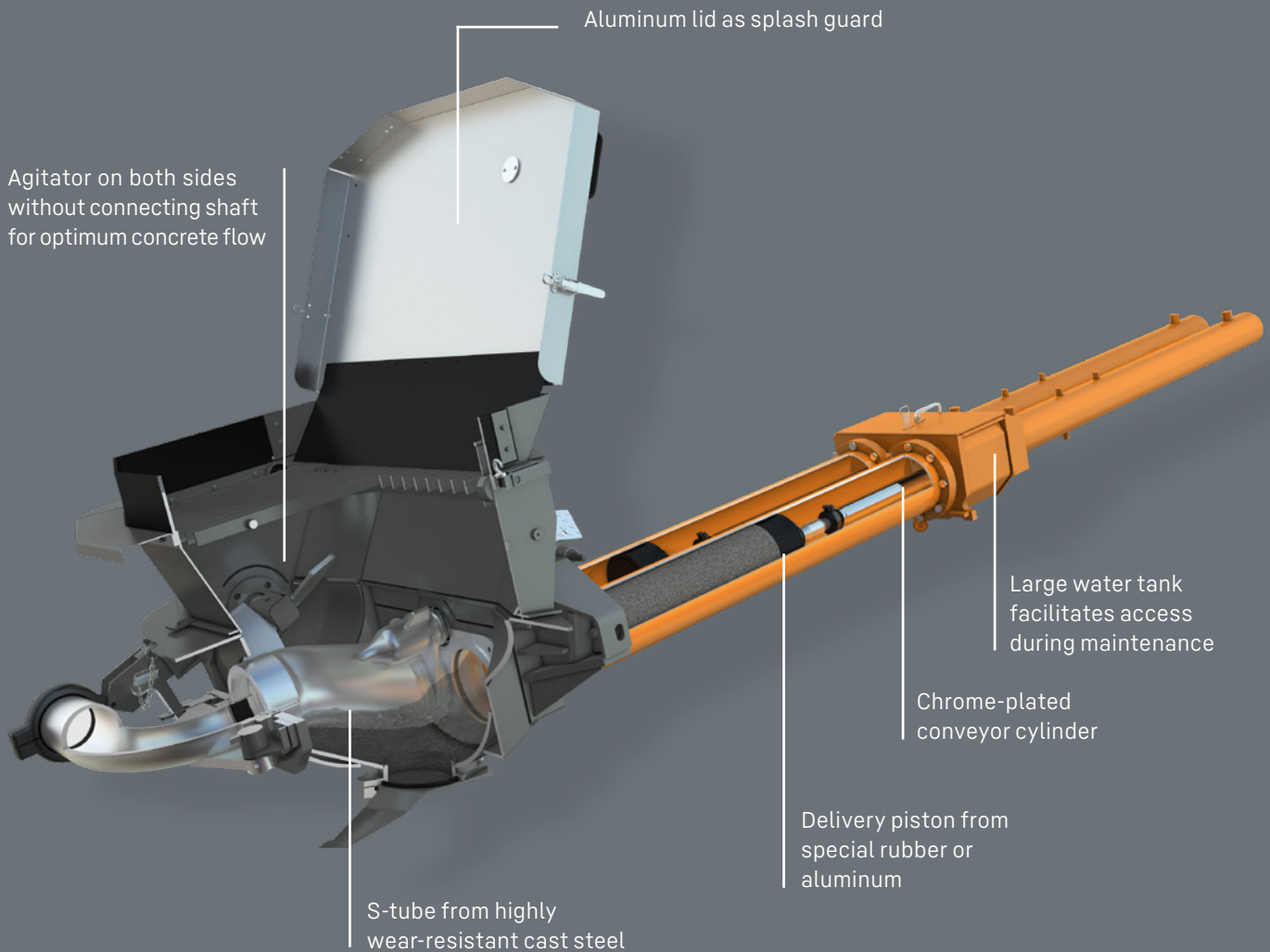
Remote-controlled crawler drive

The crawler concrete pumps are particularly suitable for use on construction sites with frequent changes of working position. The radio remote control enables flexible maneuvering on the construction site.

Feed hopper

The specially shaped feed hopper ensures optimum concrete flow thanks to two independent agitator motors.

Economical and powerful



Powerful pump unit

The smooth-running pump unit works with an open hydraulic circuit. This system is reliable, service-friendly and does not require a pressure accumulator. The pump unit is mounted on a particularly robust steel frame, while the sturdy sheet metal housing ensures weather resistance and noise reduction. A large steel grille in the intake area protects the cooling system and ensures a high cooling capacity. All components are compactly integrated and clad in a modern design. All material-carrying conveyor lines and conveyor line bends are available in LiFT and LiFT Plus versions.

Maintenance-friendly design

Sophisticated design means not only a beautiful appearance, but also easy handling. All important wear parts are easy to replace and the smooth surfaces ensure easy and time-saving cleaning. In particular, the shape of the hopper without edges or ledges reduces concrete residue and soiling.

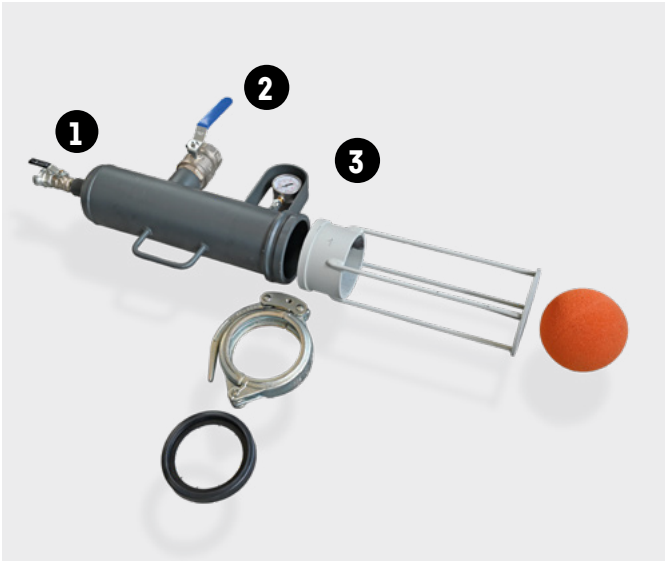
Cleaning with air and water

Cleaning with compressed air

With our standard compressor, we guarantee efficient cleaning of pipes and hoses at all times. Especially in combination with our new compressed air cleaning system, the entire cleaning process is safe and thorough from start to finish. An additional optional compressor or an additional compressed air tank can be used to increase the delivery rate or increase the air storage capacity.

Improved compressed air cleaning system

The manual compressed air release valve is so positioned that any pressure that may still be remaining in the line before the cleaning ball can be safely released. It is possible to check the pressure in the line before the ball using the pressure gauge from the compressor to the ball and after the ball with the pressure gauge on the cleaning lid.



- 1. Compressed air inlet
- 2. Manual compressed air release valve
- 3. Pressure gauge

Technical data*	Standard compressor	Optional compressor	Combination
Max. conveying capacity	540 l/min	450 l/min	990 l/min
Max. air pressure	8 bar	8 bar	8 bar

Cleaning with water POWERD BY KÄRCHER®

Guaranteed perfect cleaning with the latest Kärcher technology: The use of Kärcher products guarantees improved cleaning performance thanks to a proven and perfectly coordinated system. The drainage process is considerably simplified by an easily accessible filter and push-button operation.

Technical data*	
Conveying capacity	15 l/min
Water pressure	180 bar
Water hose length	10 m



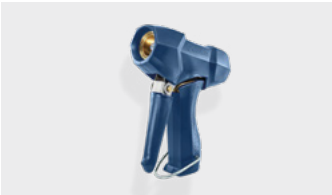
Modern EASY!Force® high-pressure lance with HD nozzle including switchable high-pressure triple nozzle.



Rotor nozzle, dirt blower (optional)



Infinitely adjustable jet pipe (optional)



Cleaning gun with adjustable jet for the low-pressure water system included as standard.

* Theoretical power specification, actual power may vary



Dream team on a solid foundation

Perfect in every situation

The crawler concrete pumps from Liebherr require little space on the construction site, are quickly ready for use and can be positioned anywhere. Regardless of whether they pump far or high, the control of the pumps allows maximum flexibility.

Concrete pile foundations are a typical application for crawler concrete pumps. Here, the concrete pump moves in parallel with the drilling rig. The crawler chassis makes Liebherr crawler concrete pumps particularly suitable for use on construction sites with frequent changes of working position. The pumps can be conveniently maneuvered and operated using a radio remote control.

Dream team for special civil engineering

The crawler concrete pumps with the latest generation of motors have been specially developed for concrete pile

foundations in combination with a drilling rig. To make everyday work easier, Liebherr is bringing its technologies even closer together and networking the crawler concrete pumps with the drilling rigs.

In order to achieve this, the individual work steps of the machines are orchestrated in a unique way via a digital control system and linked to comprehensive data analysis. The two machines communicate with each other constantly during the recurring processes of drilling, pulling and pumping concrete. The driver of the drilling rig can start and stop the pumping process to the second from his cab. The result: significantly simplified work processes, fewer people on site and considerable time savings.

Equipment & Accessories

Safety is a top priority for us

Our crawler concrete pumps ensure safe and comfortable working - even under demanding conditions. In the development of Liebherr crawler concrete pumps, safety for man and machine is our top priority. We observe our machines in operation and are constantly improving them.

Perfectly equipped for every requirement

For our crawler concrete pumps, we offer useful additional equipment and accessories to optimize your work. For more comfort, performance and productivity on the construction site!



Control of all functions at the control panel



Cleaning opening

A large and sturdy closure at the bottom of the receiving hopper enables quick emptying and easy cleaning.



Step on the funnel on the left (optional)

The step on the hopper makes it easier to look inside the hopper and to clean the machine after concreting.



Radio remote control

Easy operation of the crawler concrete pump via radio remote control.



LED headlights to the front and rear

Driving light to illuminate the working area in front of and behind the machine.



Optimal storage

A variety of storage options offer plenty of space for materials.

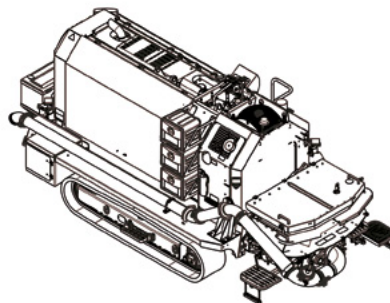
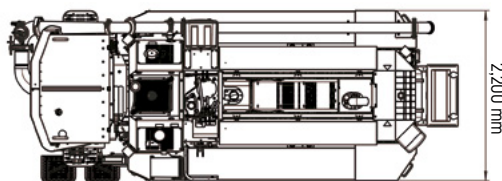
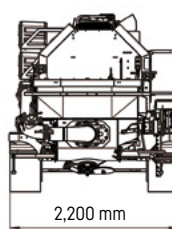
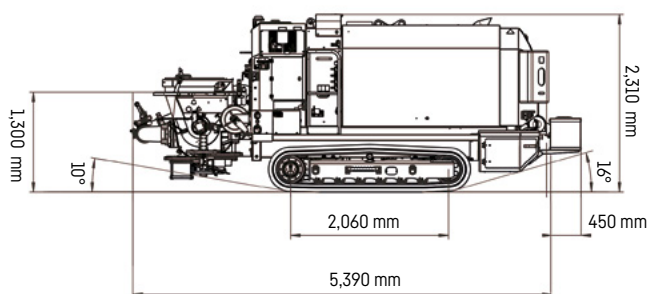


Concrete Connect

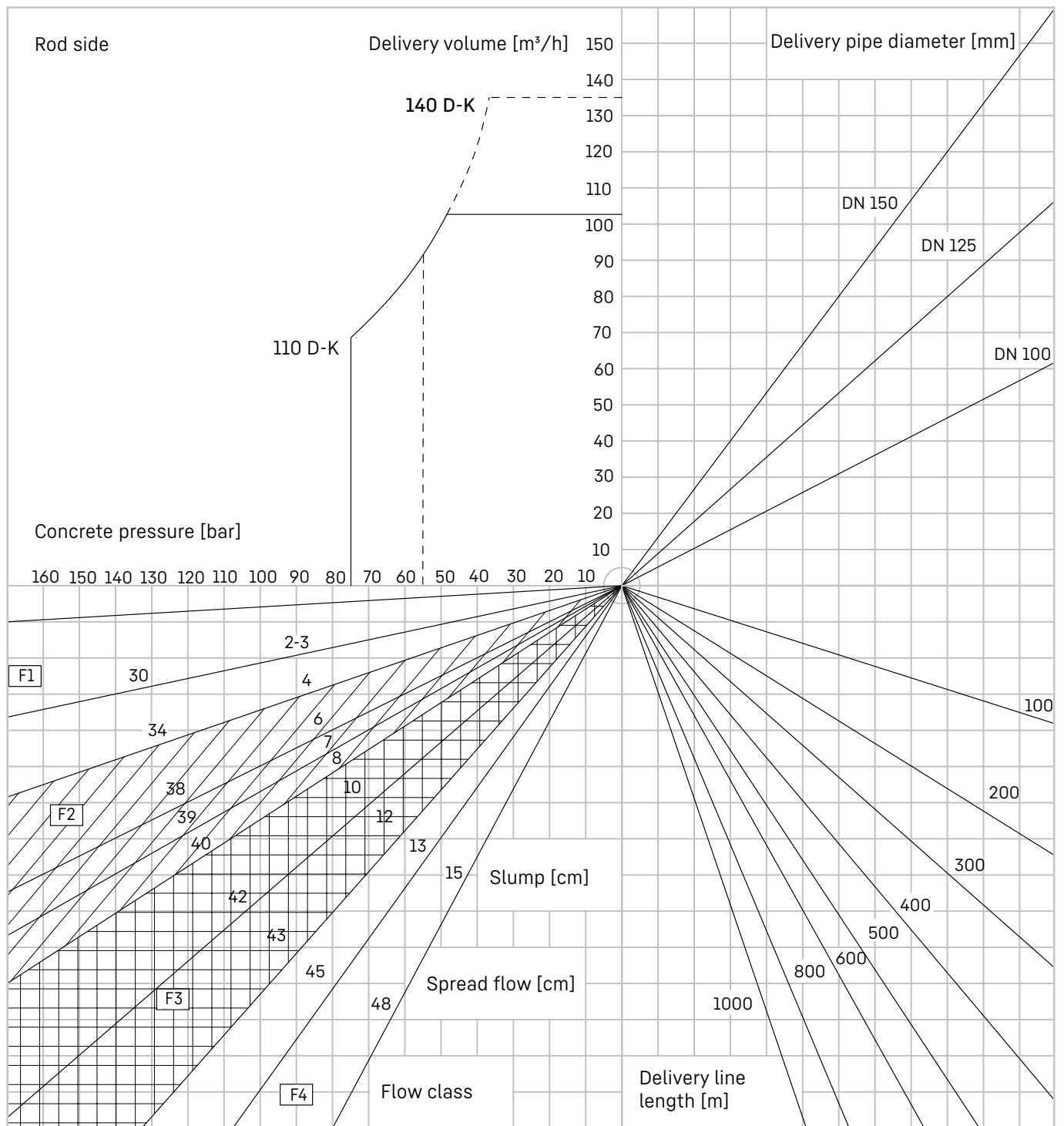
Machine data accessible via cloud.

Technical data

Type*	110 D-K	140 D-K
Motor		
Emission standards	Tier 4f / Stage 5	Tier 4f / Stage 5
Motor power	160 kW	160 kW
Pumping capacity		
Max. delivery rate (rod end)	102 m³/h	135 m³/h
Max. concrete pressure (rod end)	75 bar	55 bar
Pumping cycles (rod end)	38 U/min	38 U/min
Dimensions		
Conveyor cylinder (Ø x stroke)	200 mm x 1,400 mm	230 mm x 1,400 mm
Drive cylinder (Ø cylinder / Ø rod x stroke)	125 mm / 80 mm x 1,400 mm	125 mm / 80 mm x 1,400 mm
Concrete		
Concrete delivery volume, double stroke	88 L	116 L
Hopper capacity	600 L	600 L
Hydraulics		
Oil tank	350 L	350 L
Max. hydraulic pressure	320 bar	320 bar
Water		
Water tank	500 L	500 L
Water Pump	20 bar	20 bar
Machine data		
Max. driving speed	2.6 km/h	2.6 km/h
Total weight (ready for operation, depending on equipment)	7,650 kg	7,700 kg



* Theoretical performance, actual performance may vary



Customer service



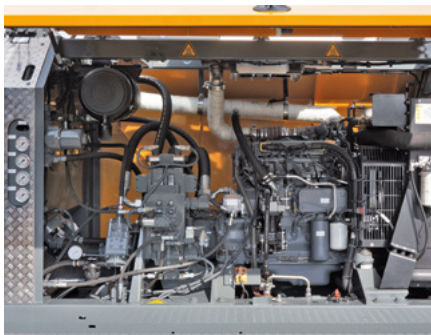
Service out of conviction

Good service means close customer proximity

With our professional service network, we are at your disposal with rapid response times to ensure high machine availability. Reliable machines are the guarantee for your success. Our highly trained service personnel make sure your Liebherr truck mounted concrete pumps operate economically and seamlessly. We help with start-up machine operator instruction and by answering your questions.

Liebherr service partners worldwide

Our customers can rely on a worldwide service network consisting of over 90 service centres (Liebherr companies/partners), 160 service vehicles and 220 qualified service technicians. Our worldwide service centres with all contacts can be found on the Liebherr website or in the MyLiebherr customer portal.



Service-friendly design

The crawler concrete pumps offer plenty of space inside for service work. When open, the side covers protect against rain and sun.



Our customer portal – MyLiebherr

MyLiebherr is your entry into the Liebherr service world. Through the Liebherr customer portal, our customers benefit from comprehensive service and additional benefits.



Original Liebherr spare parts

Original Liebherr spare parts are subject to strict quality controls, are quickly available worldwide and guarantee reliable operation and a long service life.

We are here for you!

Personal. Capable. Reliable.



Concrete pumps



Mixing plants



Truck mixers



Conveyor belts



Measuring technology



Mixing systems



Concrete recycling systems

Your powerful partner.

- Delivery and instruction by experienced service technicians
- Worldwide service network with over 90 service centres
- Technical support worldwide
- Fast availability of spare parts
- Professional maintenance and services

Get your
contact



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Printed in Germany by Lacher LMT_8203 015 05-02.25_en