

Technical Data

Caractéristiques technique

Equipment	
Equipement	4-5
Dimensions	
Encombrement	6-10
Crane data	
Dates de la grue	11
Transportation plan	
Plan de transport	12-13
Boom/jib combinations	
Configurations de flèche	14-21
SL	22-23
S2	24-25
SDB/SDBV/SDBW	26-27
SL2DB/SL2DB2/SL2DBW	28-30
S2DB/S2DB2/S2DBW	31-32
PDB/PDBW	33-34
SW1	35-39
SDWB/SDWBV/SDWBW	40-65
PDW3B/PDW3BW	66-86
SL8F2	87-91
SL10DF2B/BV	92-95
SL9	96-97
SL11DB/BV	98-99
Description of symbols	
Explication des symboles	100
Remarks	
Remarques	101
Customer Service	102

Equipment

Max. capacity	2205 kip at 36 ft radius SDBW – System with S 138 ft and D 118 ft.
Max. load moment	112,000,000 lb-ft – 1038 kip at 105 ft radius. SL2DBW – System with S 217 ft and D 138 ft.

Crawler travel gear

Crawler chassis	Liebherr crawler chassis consisting of one centre section and two crawler carriers with crawler plates 6.5 ft (optional 7.9 ft) and quadruple drive.
Central ballast	2 brackets 11,025 lb each. 8 ballast plates 22,050 lb each. Total central ballast 198.4 kip (optional 286,6 kip).



Crane superstructure

Superstructure frame	Liebherr slewing platform frame, consisting of the slewing platform with winch IV and removable SA frame and roller turning connection.
Crane engine	8-cylinder diesel engine, make Liebherr, watercooled, rated power 505 kW (686 h.p.), max torque 2335 lb-ft. Fuel tank approx. 396 gallons, exhaust emission according to directive 97/68/EG and EPA/CARB.
Winch I	Standard hoist drum, hydraulically driven by axial-piston swivel pumps with integrated planetary gear.
Winch IV	Boom hoist.
Reeving winch	Auxiliary winch for the reeving of ropes.
Slewing gear	2 slewing gears, hydraulically powered by axial-piston swivel pump, with integrated planetary gear.
Crane cabin	Air conditioned crane cabin tiltable to the rear with safety glazing, heat insulating glass, roof window with bullet proof glass, standardized control units ergonomically positioned. Additional thermostatically controlled hot water heating.
Crane control	All crane movements are initiated by means of two 4-way joystick hand levers and two 2-way hand/foot levers. All working movements are independently controllable.
Safety devices	Hoist limit switch. Safety valves against hose and pipe rupture. Drum switch limit at 3 rest layers. Wind speed gauge. Electronic inclination indicator. Aircraft warning control light.
Camera observation	2 colour-screens, 3 cameras for winches and rear area.
Counterweight	2 brackets 11,025 lb each. Total counterweight at superstructure 551.15 kip. 24 ballast plates 22,050 lb each (option).



Boom system

Main boom S	System S3228 with head section for max. 2205 kip load capacity. Boom length SDB 138 ft – 354 ft with derrick system.
Main boom S2	System S3228 with head section for max. 1433 kip load capacity. Boom length S2 59 ft – 335 ft. Boom length S2DB 138 ft – 512 ft with derrick system.
Main boom P	System L2722/S3228 with head section for max. 2205 kip load capacity. Boom length PDB 157 ft – 453 ft. Boom length PDB2/BW 157 ft – 512 ft.
Main boom SL	System S3228/L2722 with head section for max. 1433 kip load capacity. Boom length SDB 59 ft – 374 ft.
Main boom SL2	System S3228/L2722 with head section for max. 1433 kip load capacity. Boom length SL2DB 138 ft – 512 ft.
Main boom SL8	System S3228/L2722 with fixed lattice jib F2, boom length SL8 276 ft – 354 ft, boom length SL8 335 ft – 433 ft.
Main boom SL9	System S3228/L2722 with head section for maximum lifting capacity of 1433 kip. Boom length of SL9 256 ft – 335 ft boom length of SL9D 315 ft – 413 ft.
Main boom SL10	System S3228/L2722 with fixed lattice jib F2, boom length SL10 236 ft – 551 ft
Main boom SL11	System S3228/L2722 with head section for maximum lifting capacity of 1433 kip. Boom length of SL11D 217 ft – 532 ft.
Fixed lattice fly jib F2	For maximum lifting capacity of 557 kip and integral runner, can be attached at angles of 10°, 15° and 20°, boom length F 39 ft – F 128 ft.
Lattice type luffing fly jib W	System S3228/L2722 with head section for max. 1433 kip load capacity. Luffing jib lengths 98 ft – 374 ft.
Derrick system D	System 2825 including guy rods.
Counterweight frame B	For max. derrick counterweight of 992 kip, for infinitely variable radius from 39 ft – 66 ft. Max. radius of 98 ft only with guiding frame (B2).
V-frame® BV	For max. derrick ballast of 992 kip and infinitely variable radii from 43 ft – 98 ft.
Counterweight trailer BW	For maximum derrick ballast of 992 kip with a maximum radius of 98 ft, for infinitely variable radii of 43 ft – 59 ft, 56 ft – 72 ft, 69 ft – 85 ft, 82 ft – 98 ft.
Derrick-Counterweight	Ballast pallet with VarioTray (option). 22,050 lb counterweight slabs for a total weight of 992 kip.
Winch II	Second hoist winch.
Winch III	Reeving main boom / Derrick operation.
Winch V	Luffing for W-jib configuration.
Winch VI	Auxiliary hoist gear.
Whip line 70,550 lb	For attaching to the S or L head.

Additional equipment

Mechanical outriggers	For erecting long boom combinations without derrick system.
Hydraulic assembly jacks	Lifting of the basic machine for assembly/disassembly. Consisting of 4 lifting cylinders with supporting plates, installed on the centre part.
Hydraulic assembly cylinder	For assembly/disassembly of the crawler carrier by the crane itself.
Pin pulling device	Including mobile hydraulic aggregate. For assembly/disassembly of the pins at the crawler chassis and centre part as well as the boom sections.

Other items of equipment available on request. Standard equipment and options according to effective price list.