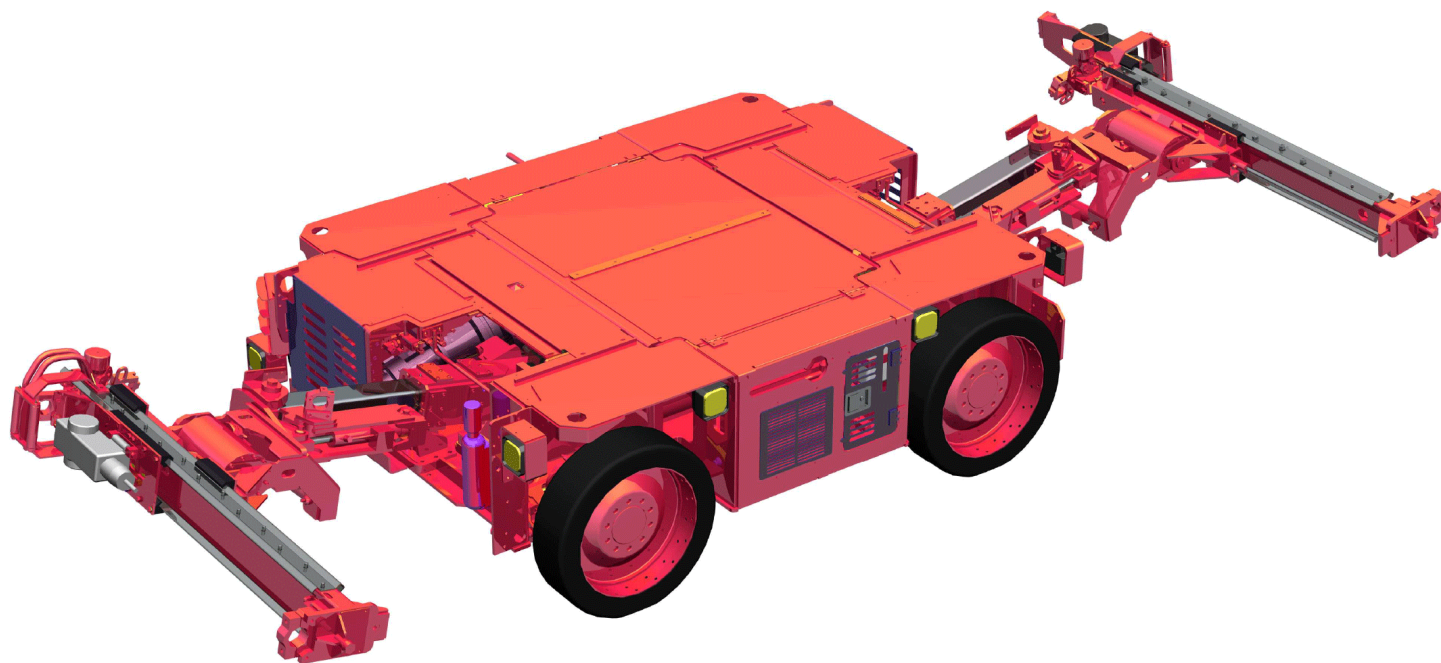


# DD120L UNDERGROUND DRILLS

TECHNICAL SPECIFICATION



## APPLICATION

Sandvik DD120L is an innovative extra low profile twin boom electro hydraulic jumbo designed to work in stopes as low as 1.1 m with minimum face width of 8 m.

The robust universal booms gives fast and precise hole position.

The powerful four-wheel-drive skid-steered carrier ensure great manoeuvrability in tight areas. To match the low headroom conditions, the operator can modify the overall height independently on each wheel.

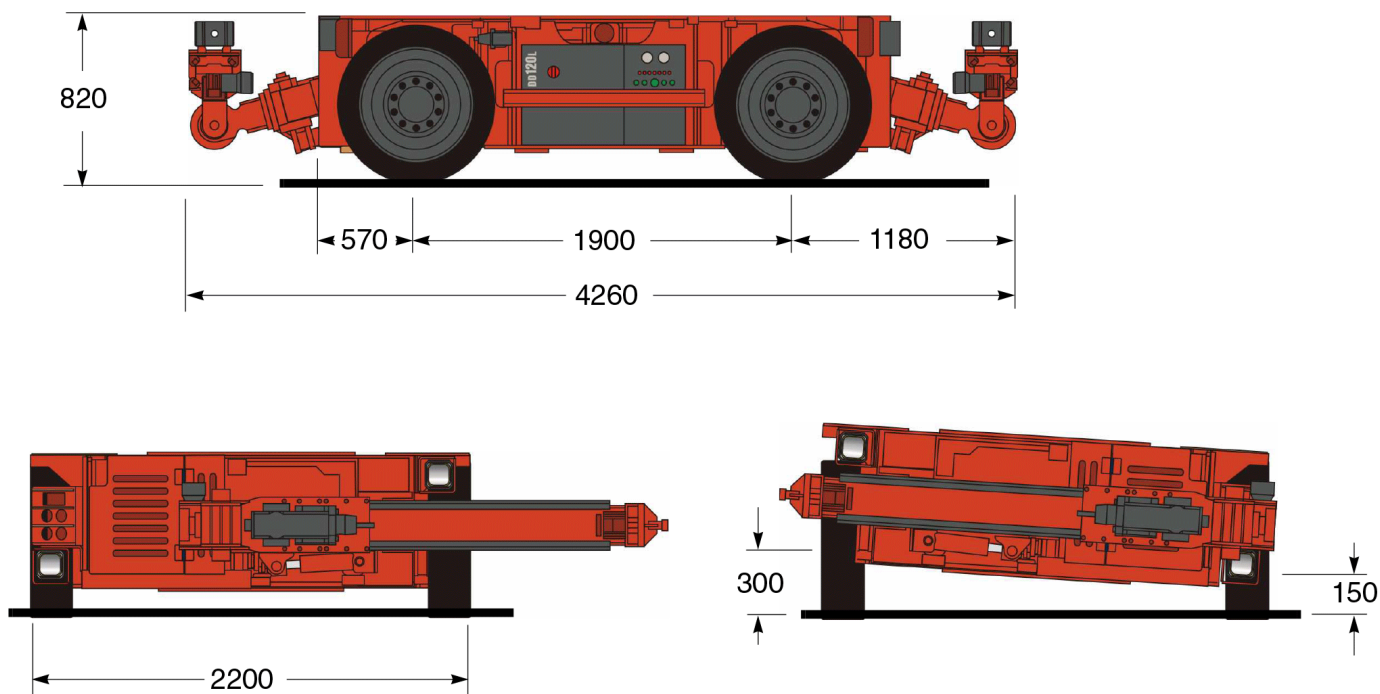
High drilling performance is ensured by two powerful independant power packs, electric driven controls and roto-percussive rock drills. Both boom and feed are remote controlled and manoeuvred from ground level. Automatic functions allow the operator to concentrate on safe, fast and accurate drilling.

All actions are controlled by a lightweight radio remote control.

## MAIN SPECIFICATIONS

Carrier		1 x CB XLP 2
Rock drill		2 x HLX1
Feed		2 x CRXS-F
Boom		2 x B 1.1 F
Powerpack		2 x 30 kW
Air compressor		1 x CT 2
Length		4 260 mm
Width		2 200 mm
Track width		1 985 mm
Height	carrier up	970 mm
	carrier low	820 mm
Weight		6 500 kg
Turning radius		4 500 mm
Tramming speed	low	0.6 km/h
	high	2.4 km/h
Gradeability, max		35 %
Noise level		< 98 dB(A)

## GENERAL DIMENSIONS



All dimensions in mm

### HLX1 ROCK DRILL (Technical specification 04025-1)

Standard male shank	R 23
Weight	50 kg
Impact frequency	70 - 88 Hz
Percussion pressure	100 - 180 bar
Impact power	3.0 - 6.5 kW

### CRXS-F FEED (Technical specification 3-500S)

Feed type	Cylinder Rope Xstra Short - Face
Drill steel	H 22

	CRXS - F 6	CRXS - F 7
Total length (mm)	2230	2540
Drill steel length (mm)	1830	2135
Hole depth (mm)	1650	1950
Net weight (kg)	115	120
Feed force, max. (kN)	3.7	3.7

### B 1.1 F BOOM (Technical specification 4-150S)

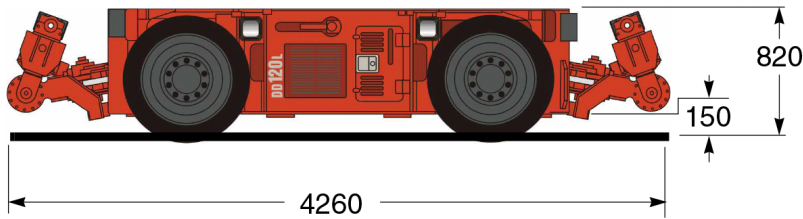
Weight (with hoses)	450 kg
Boom lift	± 15°
Boom extension	550 mm
Feed roll-over	270°
Feed swing	± 20°
Divergence	± 15°
Feed extension	850 mm

### HYDRAULIC CONTROL SYSTEM

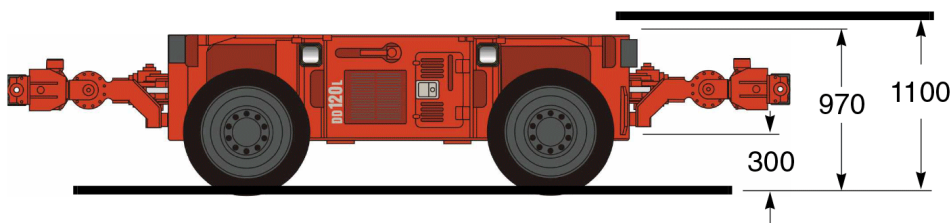
Type	Direct hydraulic
	Separate rotation
Anti-jamming system	Hydraulic, stepless
Hydraulic remote control	2 x Cable remote

## TRAMMING DIMENSIONS

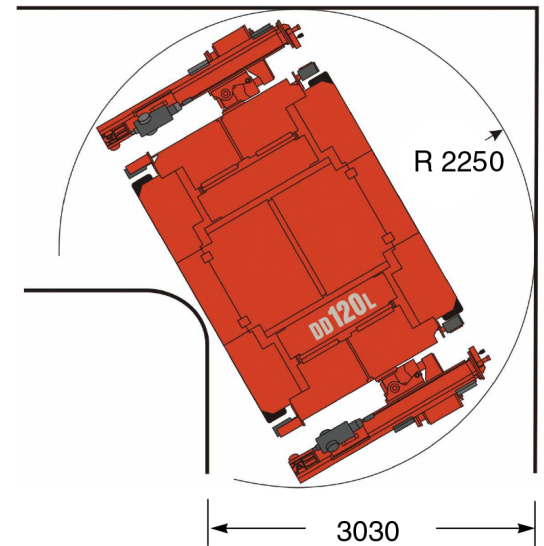
### DD120L LOW



### DD120L UP



### TURNING RADIUS



All dimensions in mm

## TC XLP 2 CARRIER

Electrical motor	2 x 30 kW (also used for drilling)
Automotive hydrostatic transmission	Variable displacement Axial piston, 0-45 cm <sup>3</sup> /rev
- Two pumps	Axial piston
- Four wheel-motor	Axial piston
Rock drill rotation pump	Fixed displacement, gear
Tires	7.50 x 15 (segmented)
Steering	Skid-steering system
Brakes - Service	Hydrostatic transmission
- Emergency & parking	Spring applied, hydraulically released fail safe oil immersed multi disc brakes on each wheel
Remote control	Radio
Tramming alarm	Forward and reverse
Hydraulic tank	160 liter

## WATER CIRCUIT

Oil cooler	2 x OW 30, water-actuated counterflow
Cooling capacity	2 x 30 kW
Min water supply pressure	2 bar

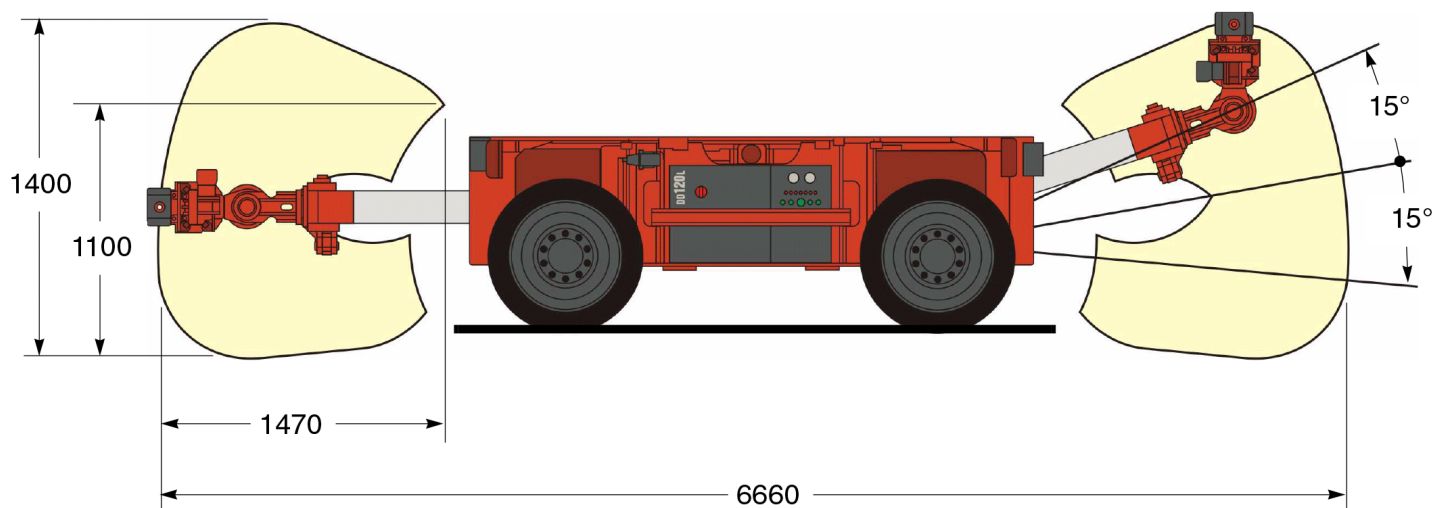
## ELECTRICAL SYSTEM

Total installed power	66 kW
High / Low voltage	Separate cabinets
Voltage switchgear	380 - 660 V
Frequency	50 or 60 Hz
Starting method	Direct start
Lighting (24 V)	
- Direction adjustable lights	8 x 70 W
- Working lights	2 x 35 W HID
Phase sequence indicator.	
Thermal overload protection.	

## AIR CIRCUIT

Compressor	C.T. 2, piston type
- Capacity	800 l/min. at 4 bar
Electric motor	5.5 kW (7.5 hp)
Cooler	Air / Oil
- Hydraulic motor	17 cm <sup>3</sup> /rev
Air tank capacity	1 x 8 liter

## COVERAGE AREA



All dimensions in mm

## OPTIONAL EQUIPMENT

### BRAKES

Hand pump for manual brake release.

### CARRIER

Complete spare wheel.

### OTHER OPTIONAL EQUIPMENT

Fire suppression system ANSUL, 3 nozzles.  
South African Specification XLP (SAS XLP) package.  
Manuals other than French/English language.  
XLP cable reel with spooling device (see below).

