RANGER DXi SERIES TAKE A BIGGER PIECE OF THE PIE





You have EARNED YOUR SHARE, DO NOT SETTLE FOR A SLICE!

TECHNICAL DATA	RANGER DX800i	RANGER DX900i	
Hole diameter:	64 - 127* mm (3" - 5")	89 - 140* mm (3" - 5,5")	
Rock drill	RD925M, RD925M-C, RD921S, RD921S-C	RD927L, RD927L-C	
Percussion output power	25kW, 21kW, 33,5 hp, 28 hp	, 21kW, 33,5 hp, 28 hp 27kW, 36 hp	
Rock tools:	38 mm, 45 mm, 51mm (1½", 1¾" and 2")	51 mm or 60mm (2" and 2 3/8")	
Drilling coverage	55 m ²	55 m²	
Engine type	Volvo TAD871VE Tier4 , TAD851 Tier3	Volvo TAD872VE Tier4, TAD852 Tier3	
Engine output	185kW, 248hp	210kW, 282hp	
Cabin type	iCab	iCab	
Control system type	Sandvik SICA, PLC controlled proportional electro- hydraulics	Sandvik SICA, PLC controlled proportional electro- hydraulics	
Tramming/boom/ drilling control	PLC controlled	PLC controlled	
Flushing air:	8,5 m3/min, 300 cfm up to 10 bar	9.5 m3/min, 335 cfm p to 10 bar	
Total weight :	19 600 kg , 43210 lb	19 600 kg, 43210 lb	

*if larger than 115mm holes drilled please consult factory

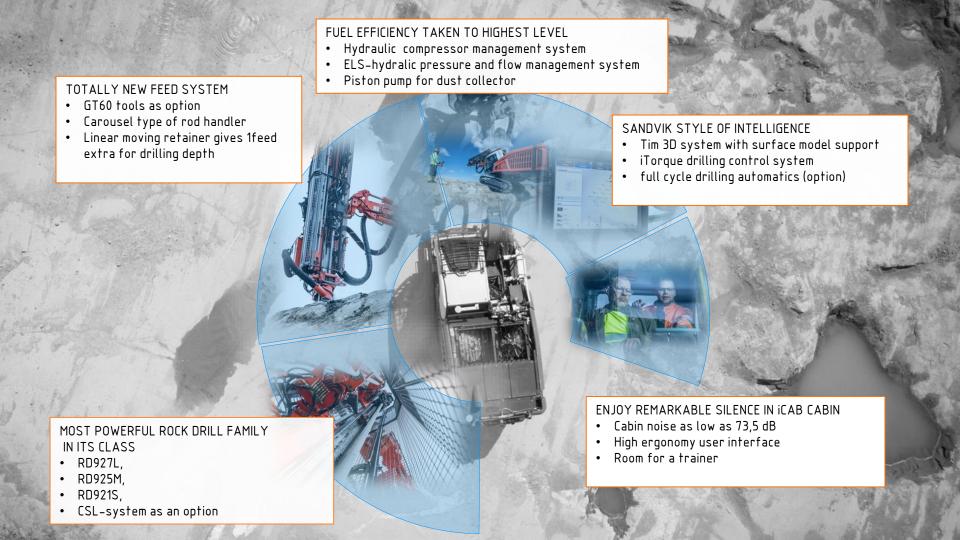
*if larger than 127mm holes drilled please consult factory

Ranger DXi rigs offer a supreme coverage of 290 degrees equalling

 $55 \, \mathrm{m}^2$

The RD920 series rock drills offer percussion power

up to 27 kW.



Drilling coverage comparison

Dark blue, Ranger DX coverage

Yellow, machine without turnable superstructure

Light blue, Ranger DX 900i drilling coverage 55m²

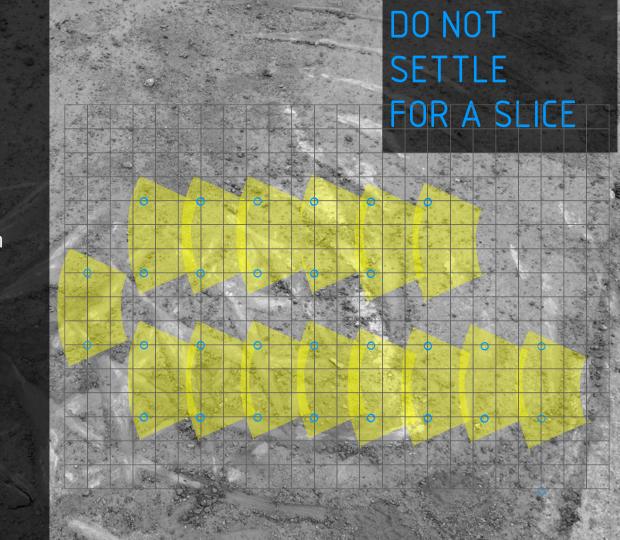




Machine without turnable superstructure

28 holes average, 12m = 336m 2,5*3m pattern, 89mm hole

Tramming hole to hole 5min 15 moves 5min*15= 75 min



Ranger Dxi-Series

2,5*3m pattern, 89mm hole, 28 holes average 12m = 336m

Tramming hole to hole average 5min, 3 moves 5min*3= 15min

60min more drilling/shift means 60-100m more meters



POWERFULL CLIMATE SYSTEM

- Flow optimized flushing channels, air speed +600%
- Air condition safety+ automatic climate system keeps constant temperature in extreme conditions
- HEPA filter as an option

ROOM FOR TRAINER

• Fast and easy learning when trainer sits behind operator seat

EASY TO USE USER INTERFACE

- Touchscreen
- All parameters can be adjusted from cabin
- Ergonomic joystics
- 1-joystick or two-finger joystick tramming
- Maximum tramming speed adjustable



Full hole automatics (option)

- Drill hole automatically by using coupling and uncoupling automatics
- Automatic aligning and hole to hole navigation

Troubleshooting functions

 Easy to use flow chart type of troubleshooting features for all system functions

iTorque drilling control system

- Provides best drilling result even in most difficult rock conditions
- Several selectable drilling recepies for different rock conditions

Full radio remote control

- Radio remote controlled drilling, tramming and boom control
- Remote screen option for aligning and hole navigation





TIM3D hole navigation system (option)

- Fast and accurate drilling navigation and improved drilling result accuracy +/- 10cm/ 4inch
- Surface model and drilling plan can be used at the same time

Driller's Notes

Measuring while drilling (MWD) option to collect data during drilling

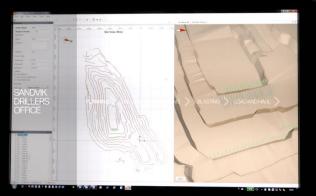
SanRemo Premium

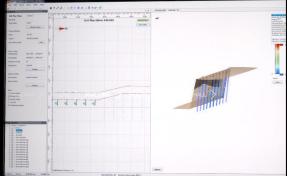
Wireless data transfer

Driller's office

- Fast and easy drilling plan creation and MWD data analyzing









MOST POWERFULL ROCK DRILL FAMILY IN ITS CLASS

RD921SC

- Designed for T45 rock tools and 64-89 mm
- High 71 Hz frequency

RD925MC

- T51 rock tools and 89-115 mm hole sizes.
- 69 Hz frequency with 25 kW power

RD927LC

- Option to use GT60 rock tools
- 92-127 mm hole sizes.
- Excellent tool life with maximum drilling power

CSL SYSTEM IS OPTION FOR ALL OF THESE ROCKDRILLS

- Significant savings in lubrication oil consumption
- Oil consumption can be reduced even by 300g per hour



HYDRAULIC ROCK DRILL

Rock drill	RD921S, RD921S-C	RD925M, RD925M-C,	RD927L, RD927L-C
Hole range	64-89mm, (2 ½''-½'')	76-127mm (3''-5'')	89-140mm (3½'' - 5½'')
Optimum hole range	76-89mm (3''-3½'')	89-115mm (3½''- 4½'')	92-127mm (3 5/8'' - 5'')
Rock tools	38, 45, 51, mm (1½", 1¾", 2")	45, 51, mm 1 ¾'', 2''	51, 60 mm (2", 2 3/8")
Operating pressure	100-200 bar	100-200 bar	100-200 bar
Percussion rate	71 Hz	69 Hz	56 Hz
Percussion output power	21kW, 28hp	25kW, 33,5hp	27kW, 36hp
Maximum rotation torque	1 750 Nm	1 750 Nm	1 750 Nm
Rotation motor	OMT 250/315	OMT 315/400	OMT 400/500
Shank lubrication	SLU / CSL Air / oil mist	SLU / CSL Air / oil mist	SLU / CSL Air / oil mist
Flushing	Air	Air	Air
Weight	345 kg, 760lb	345 kg, 760lb	345 kg, 760lb

GT60 rock tools for faster drilling and excellent hole quality in 92–127 mm holes

+ 20%

DOUBLE RUM HORE REEL

• Easy maintanance and long service life of hoses

CYLINDER FEED

• Long service interval with leaf chain

CAROUSEL TYPE OF ROD HANDLER

- GT60 tools as an option
- Max hole depth 30m with T38-T51 tools, 19m with GT60 tool

LINEAR MOVING RETAINER

- Collaring guide and retainer in the same actuator
- Linear moving retainer gives 1feed extra for drilling depth
- You can take a grip from female thread or rod section







STANDARD COMPONENTS

1pc Rock drill RD92X, hydraulic with SLU system

1 pc CylF 16 feed HR, With hose reel

1 pc Rod handler RC1712 incl. 1 set of jaws

1pc BoomDB5200, articulated

1 pc Carrier track mounted, Rotating upper structure CW180+CCW110 Dearees

1pc Power pack diesel driven, hydraulic pumps and on-board compressor with twin pressure control

1pc Control system iTorque, incl Flushing control automatics,

Shutdown of suction for waterholes

1pc Operator's cabin F.O.P.S. and R.O.P.S. with Intelligent air condition safetv +

1 pc Radio, 12V with USB MP3 Bluetooth, without CD

1 pc Dust collection system DC 900 H, hydraulic, Primary separator

10 pcs Working lights, Halogen

1 pc Gauge set for accumulator pressure checking

1pc Alarm signal

1 Set Manuals, paper copy

1 Set Manuals, CD rom

1 pc Alarm beacon

1 pc Service light

EU-safety devices, EN16228

SELECTION OF OPTIONS

Alternative seat with 3-point seat belt and air cushioning

H13 Cabin filter, HEPA

Cooler bag in cabin

Radio, 12V,CD,USB, Bluetooth and siriusXM interface

Radio CD/MP3 Bluetooth, Handsfree, DAB

Reversing camera

Roller blinds for cabin windows

Vacuum cleaner for cabin

Explosive proof cabin window

Heated mirrors

Automatic feed alignment for TIMi

GPS aiming device for TIM and TIMi inclined holes

TIM3D hole navigation system

TIMi for inclined holes and hole depth measuring

TIMi laser level based depth measuring

Horizontal drilling kit

Kit for alternative steels, each

Thread greasing

One hole automatic drilling down to preset depth

Power extractor

Readyness for Power Extractor

CSL-system for R92x series rock drill, replaces standard component

RD921S rock drill, replaces standard component

Biogradeable hydraulic oil

Central lubrication system Sandvik

Electric fuel filling pump

Electric hydraulic oil filling pump

Electric water filling pump

Fast fill connection for engine coolant, hydraulic and engine oils

Fast fill connection for fuel and water tanks (not with option 5110)

Guides for grousers

Hydraulic rear ground support

Hydraulic winch with full radio drilling, tramming boom and rod handling

Towing hook

Extra brake for turnable upper structure (included in horizontal drilling)

Led lights 17 pcs. also carrier rear and side option lights

Cold weather package - 25 degrees

Cold-weather package -25degree, incl watertank heater

Fuel powered heater for engine, cabin and water tank

Readyness for fuel powered heater

Dustmizer requires flap feeder (engine heater option needed below freezing point)

Flap feeder for dust collector

Sampling device

Water injection system

Grinder Sandvik RG420H

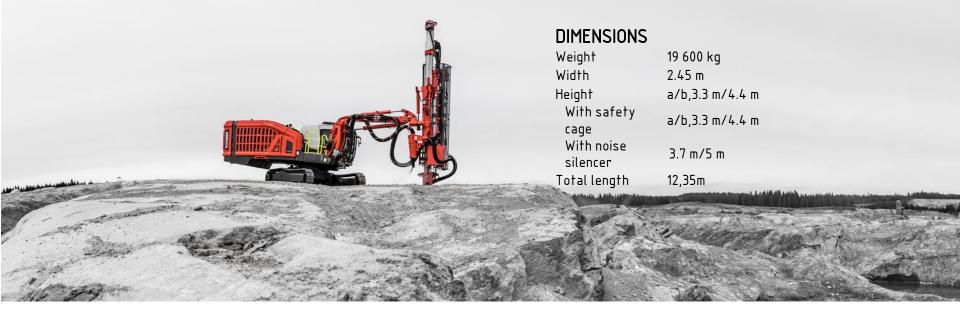
Extra manuals, price will be added according to pricing sheet

First service kit for Ranger DXi series

Special tools for RD92x series, field

Special tools for RD92x series, complete Service agreement - select level from extra item

SanRemo - select level from extra item





Transportation



ALTERNATIVE SEAT WITH 3-POINT SEAT BELT AND AIR CUSHIONING

Integrated compressor
Continuous height adjustment, up to 150 kg (fully automatic on KA, manual on KM)
Suspension travel, 80 mm
Tilt adjustment
Height adjustment (with memory on KA)
Two seat belt points in line with current regulations
Backrest adjustment
Adjustable vertical shock absorber
Seat cushion adjustment
Pneumatic lumbar support
Hard-wearing, breathable textile cover

Armrests, folding and tilt-adjustable Seat heating, 12/24 V with on/ off switch Seat climate control Headrests, height and tilt adjustbale Horizontal isolator



COOLER BAG

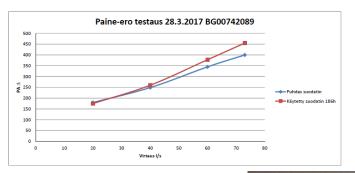




HEPA FILTER

- F7 as standard
- H13 filtration as option

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Filters for fine dust. Efficient for particals ≥ 1 µm FN 779	F7 F8	Acumulated carbon black So called dust going through lung	Circulating filters in air conditioning End filters in air conditioning pro average request e.g. shops, offices and specific production areas. Pre filters for the filtration			
H Filters for micro particles. Efficient for particles ≥ 0,01 µm EN 1822	E12 H13	Oil smoke in the initial stage Aerosol micro particles Radioactive aerosol Oil smoke in the initial stage Aerosol micro Particles Radioactive Aerosol	elass E11 and E12. • End filters for hospitals with higher requirements but without any prescription for leakeage test • End filters for food. electronic, pharmacy and foil industry • Filters for waste air in nuclear technics • End filters for "clean area" classes ≥ ISO 5 • The end filters in public protection equipments			









CABIN RADIO, 3 OPTIONS

- Radio, 12V with USB MP3 Bluetooth, without CD, Standard
- Radio, 12V, with CD & DAB
 - Handsfree mic. For phone
- Radio, 12V,CD,USB, Bluetooth and siriusXM interface









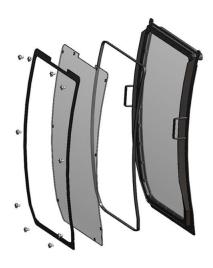




EXPLOSIVE PROOF WINDOW

- Attached on standard window
- Changeaple wearing slides



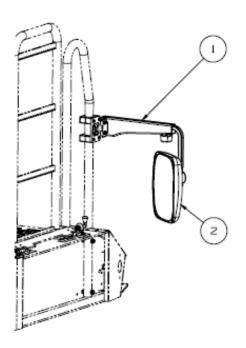




NEW OPTIONS

HEATED MIRRORS

For cold environment





OPTIONS

- Water injection/dustmizer
 - Rotational Molding Tanks
 - 2x 120l
 - Pump injection system

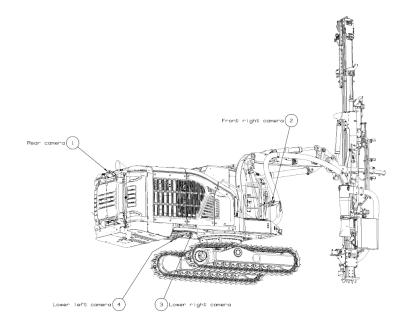




NEW OPTIONS

INTEGRATED REVERSING CAMERA

- 4-cameras
- User interface integrated to cabin touch screen

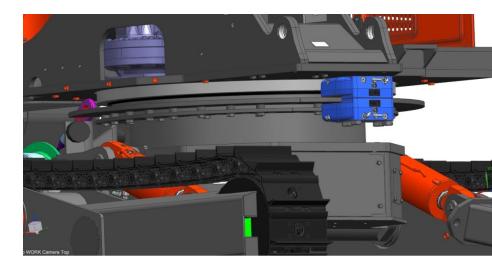




OPTIONS

Extra brake

- Hydraulic brake
- Pmax 160bar
- Clamping force 200kN
- Weight 63kg
- Mandatory in Horizontal drilling
- Takes a way clearance between upper and lower body





OPTIONS

LOWER FRAME

- Winch
 - Rotzler Hz 090
 - 108 kN
 - 18mm rope
- Rear jack

