



# SANDVIK NEWS

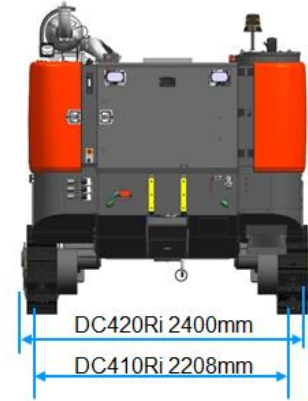
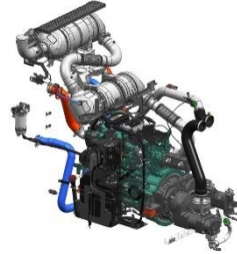
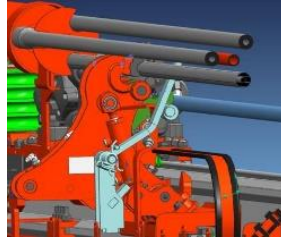
- DC420RI
- DC300SF DEMONSTRATOR



# DINO™ DC410 => DC420Ri

## STAGE5 UPGRADES

- **1+3 carousel** type of rod changer up to T38 MF.  
14ft (4,2m) +12ft (3,6m) x 3 pcs)= ~14,5m net.
- **Drill rig carrier width increased** for better stability, 2400mm with FL4 tracks.
- **StageV engine** upgrade -> VOLVO D5.
- **7" colour display touchscreen**
- The same **TIMi options** than with DC130Ri & DC300Ri





# SF DEMONSTRATOR

## NOT SELLABLE PRODUCT!

Successful field test in Sweden on customer site

Totally drilled 2,4 km, 1390 holes

Please note! This is a demonstrator; technical solutions may change withing the development project.

## WHAT IS NEW IN DC300RIE COMPARED TO DC300RI?

DC300RiE is **battery electrified** demonstrator unit. It is possible to operate the unit with **three different modes: with batteries, cable, or diesel genset**. Unit has been built on existing DC300Ri carrier. Outside it looks almost same then DC300Ri, but under the covers everything is basically new. Control of traditional and well-protected components, like rock drill, is done by new way with inverters. On-demand inverter control makes the unit accurate and energy efficient. High energy efficiency enables long operation time with pure battery energy or continuous operation with electric supply with 32A plug.

## WHY CHOOSING DC300-SIZE CLASS?

300-size class is used in urban environment where silence and CO2 free operation plays important role. Also 300-size class units are used naturally in such work cycles which are reasonable to fully battery electrify.



# SF DEMONSTRATOR, Q&A

## WHAT IS THE OPERATION TIME AND TRAMMING DISTANCE WITH DC300RIE?

<b>WITH BATTERIES:</b>	Drilling time is 2 hours and tramming distance is 9 km.
<b>WITH CABLE</b>	Operation time is limitless and tramming distance is 25 meters (which is the length of the cable).
<b>WITH DIESEL GENSET</b>	Operation time is limitless and tramming distance is limitless (both requires refueling diesel).

## WHAT ARE THE BENEFITS OF DC300RIE?

Noise level of this unit is low because electric operation generates less noise and together with noise cage also drilling noise is reduced. Also operating with diesel genset, noise level is still low because diesel genset design is optimized for noise reduction. Unit is totally CO2 free when operating with batteries or cable. And with diesel genset CO2 emissions are clearly lower than with basic diesel machine.

Productivity of the unit is improved due to increased peak powers, better energy efficiency and higher accuracy.



# SF DEMONSTRATOR, Q&A

## DC300RIE TECHNICAL SPECIFICATION

Speed:	3,3 km/h
Battery capacity:	50 kWh
Charging time:	2,5 hours
Diesel genset power:	30 kW
Size:	Length is 25 cm longer than DC300Ri, otherwise size is same than DC300Ri
Weight:	8200 kg
Rock Drill:	HL300
Compressor:	Max 3 m <sup>3</sup> /min, optimized inverter control
Cable supply:	32A / 400 Vac

Sandvik SF will cover whole hole size range with electrified units by 2030!



SANDVIK

**WARNING**  
SLASHING HAZARD  
See manual for details.  
See manual for details.

**WARNING**  
MOVING MACHINE HAZARD  
See manual for details.  
See manual for details.

**WARNING**  
See manual for details.  
See manual for details.

**WARNING**  
REMOTE CONTROLLED MACHINE  
See manual for details.  
See manual for details.

**WARNING**  
WIRE HAZARD  
See manual for details.  
See manual for details.

**WARNING**  
BURN HAZARD  
See manual for details.  
See manual for details.

**WARNING**  
HIGH PRESSURE FLUID HAZARD  
See manual for details.  
See manual for details.

**WARNING**  
See manual for details.  
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