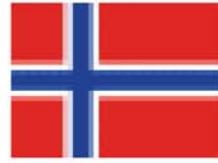


Breidalsoverføringen

15 km long transfer tunnel to the Raudalsl power plant in the west part of Norway



NEWS
- 32 - 2006

Tunnel Loading Machine Terex | Schaeff ITC 312 SL

High speed mucking in Norway's hard rock



The Superloader Schaeff model ITC 312SL in loading position

SKANSKA

The weekly advance rate in this transfer tunnel is in average 90 meters with peak value over 100 meters including the support works, even 120m.

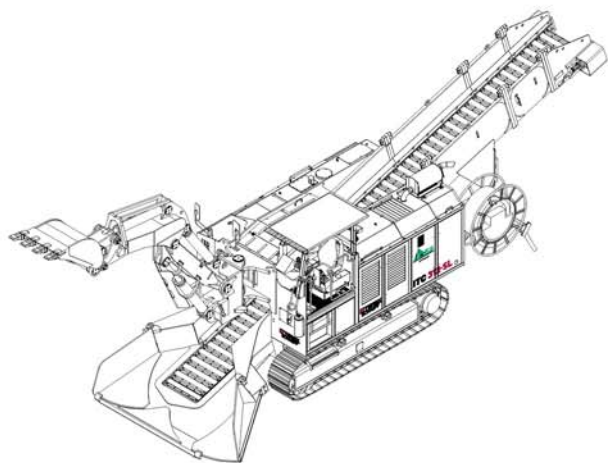


Large blocks loading

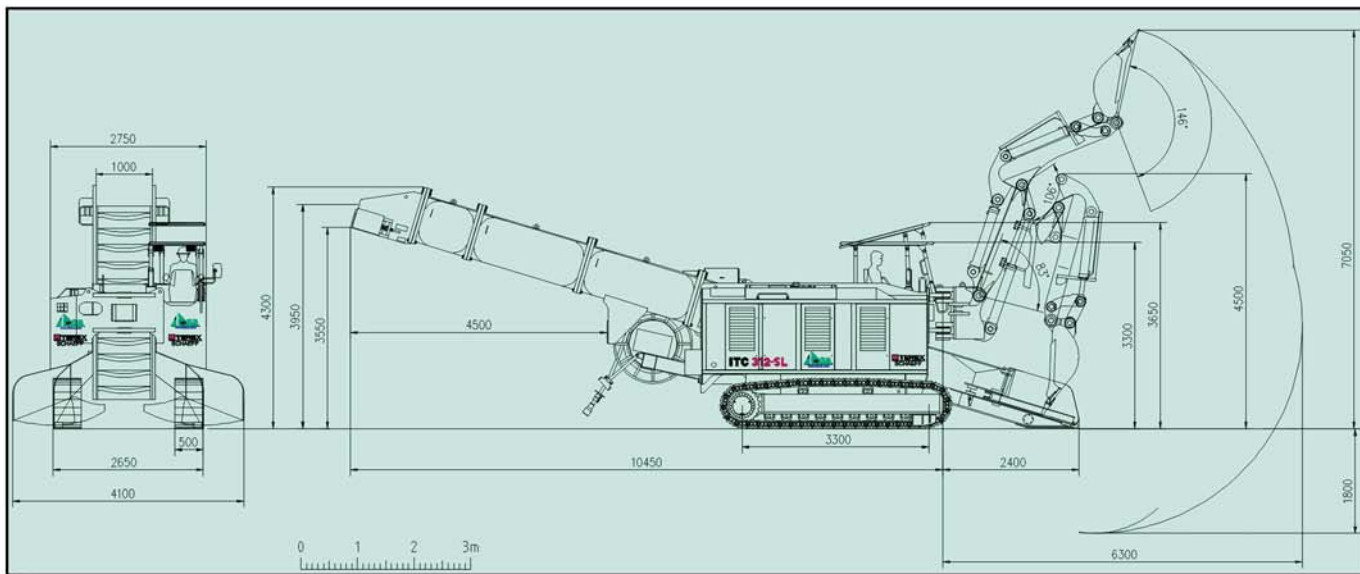


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CH-1920-MARTIGNY (SCHWEIZ) 122, RUE DE LA FUSION
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Layout of the plant



MAIN DATA		
Base Machine: type	ITC	312 SL
Maximum chassis width	mm	2750
Apron throat width	mm	1000
Electric drive power (690-50Hz)	kW	110
Diesel Engine DEUTZ	Typ	TCD2013
Power output	kW	165
Cable reel capacity	m	90
Driving speed	km/h	0-4,6
Conveyor chain speed	m/s	0,6
Loading capacity	m ³ /min	5-10
Specific ground pressure	kp/cm ²	1,0
Weight	t	32



The Superloader ITC 312SL while mucking at high speed



The Superloader ITC 312SL cleaning the invert



ITC 312SL while loading 18 m³ trucks

Scaling of the working face and roofridges during the stop when waiting on the next truck saves enormously time and costs. The electrically propelled ITC 312 SL provides better conditions of work locally and reduces substantially the ventilation costs in the tunnel. Loading time for one 18m³ dump truck is between 2 and 2½ minutes with some peak value below 2 minutes. This save 15 to 20 minutes pro mucking cycle!