

# Sandvik Shuttle Car TC790 in Action

Higher speed, better turning capability



B4-237/ENGX TC790 / Copyright © Sandvik Mining and Construction G.m.b.H. Dec. 2009





Shuttle car TC790 in Action



TC790 operator's cab

#### Features and Benefits

- Independent wheel suspension
- Continuously variable transmission for tram motors
- High torque from standstill, motors overloadable
- Service reduced AC motors
- Driving speeds up to 6 mph (10 km/h)
- Comfortable cut off limit switch (on board re-energizing)
- Less operator fatigue due to an ergonomically optimized seat
- Cabin design conforming to the latest standards
- Easy maneuvering



Sandvik Shuttle Car TC790

## Sandvik Shuttle Car TC790

The TC790 is a shuttle car for the underground coal and soft rock mining industry, to operate behind any continuous mining machine. The TC790 is electrically powered, equipped with a variable frequency drive (AC) that provides infinitely variable speed for the traction motors to shorten driving cycles. Optimum comfort and safety for operators are provided due to a new developed machine frame suspension system and a cabin conforming to the latest ergonomic standards.

#### Technical data TC790\*

Overall length	9200 mm	362 "
Overall width	3460 mm	132 "
Overall height	2000 mm	79 "
Weight empty	30 tonnes	66.150 lbs
Payload max.	18 tonnes	39.600 lbs
Ground clearance	300 mm	12 "
Inside turn radius	2380 mm	94 "
Outside turn radius	6950 mm	274 "

Power conveyor motor	50 kW	67 hp
Conveyor width	1420 mm	56 "
Discharge time	<45 sec.	<45 sec.

<b>Four wheel drive and steering</b>		
Power traction motors (max.)	2x84 kW	2x115 hp
Max. tramming speed	10 km/h	6 mph

<b>Hydraulic equipment</b>		
Power pump motor	15 kW	20 hp

<b>Electrical equipment</b>		
Power supply	480/550/660/950/1000/1140 V (AC)	
Total installed power (nominal)	145 kW	197 hp
Cable reel capacity max.	240 m	800 '

<b>Cabin</b>		
Ergonomically optimized seat with suspension		
One hand joystick steering		

