

Technical Data TSC10

Engine High pressure, simple expansion steam engine with feed water pump, heater and steam blast. cylindrical boiler mounted overhanging rear axle, made from 6.5 mm thick wrought iron. single cylinder, double acting, mounted horizontally, inside the boiler, made from cast iron. spring operated 4 way valve for steam engine runs in one direction only, (backwards in the patent drawing)

Working pressure 2 bar

Cylinder bore 140 mm.

Stroke 762 mm.

Capacity 11.7 litres x 2

Power 3 HP . . (2 kW) at 50 r.p.m.

Fuel Coal

Steering Tiller direct to single front wheel.

Transmission Separate gear drive to each rear wheel,
. Driver can select drive to either or both wheels

Brake Driver operated lever applying a block to rim of flywheel.

Speed 13 km/h.

Range about 15 km with 180 ltr water tank.

Dimensions length 4905 mm

Width 2184 mm

Height 3454 mm

Driving wheel diameter . 2438 mm

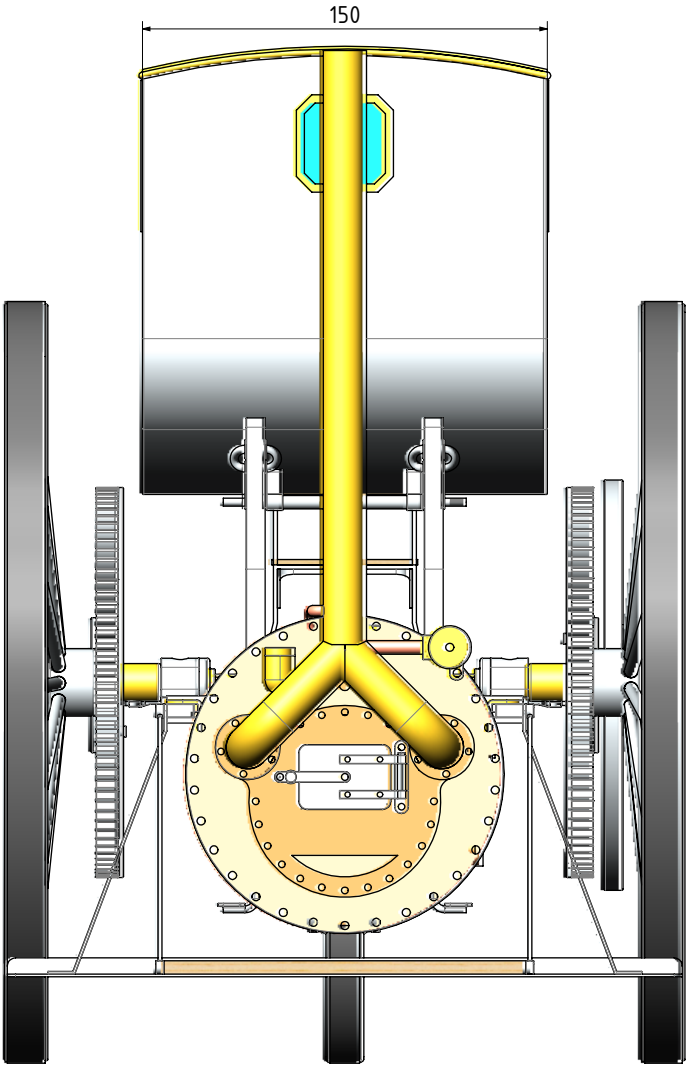
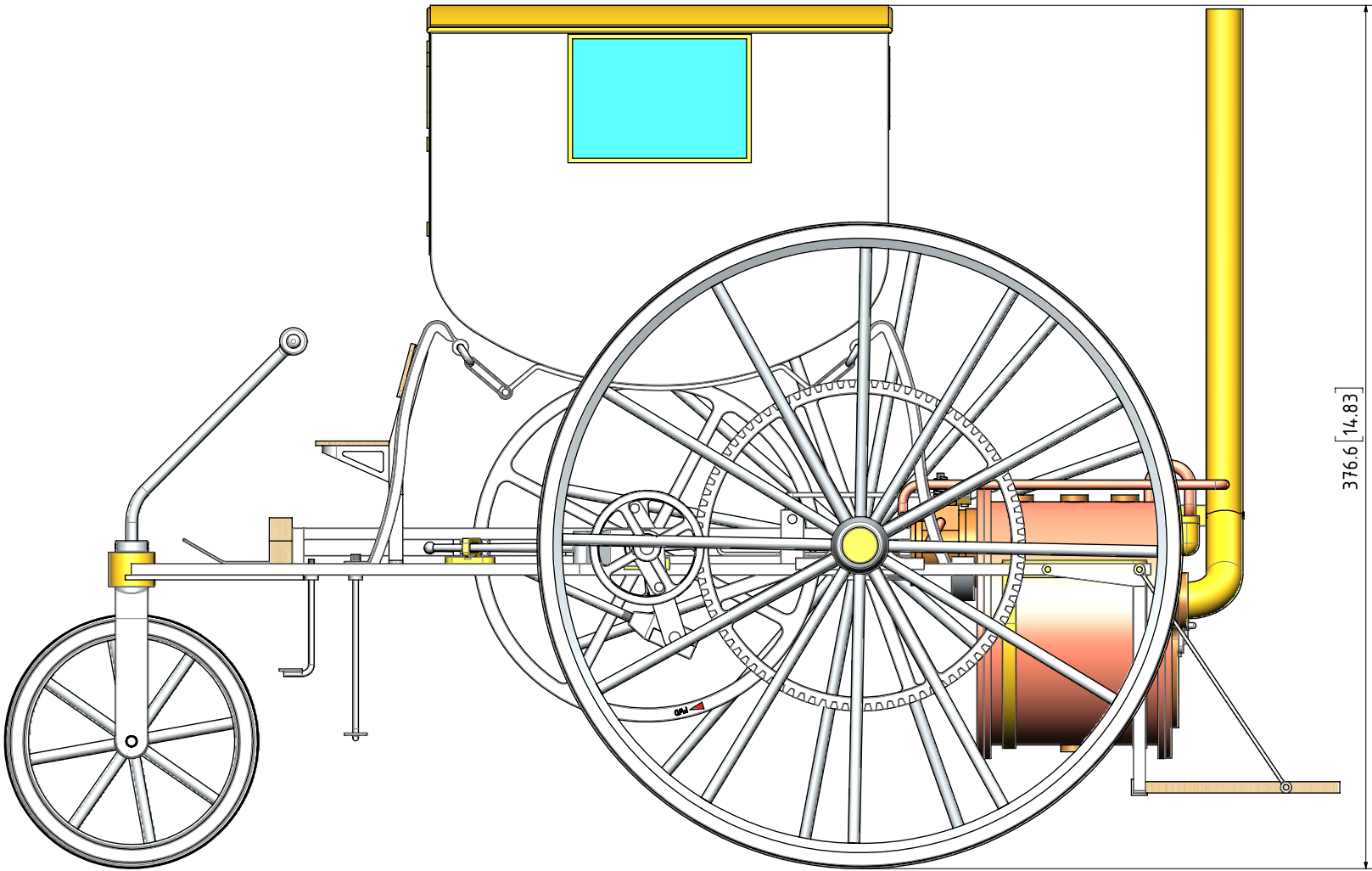
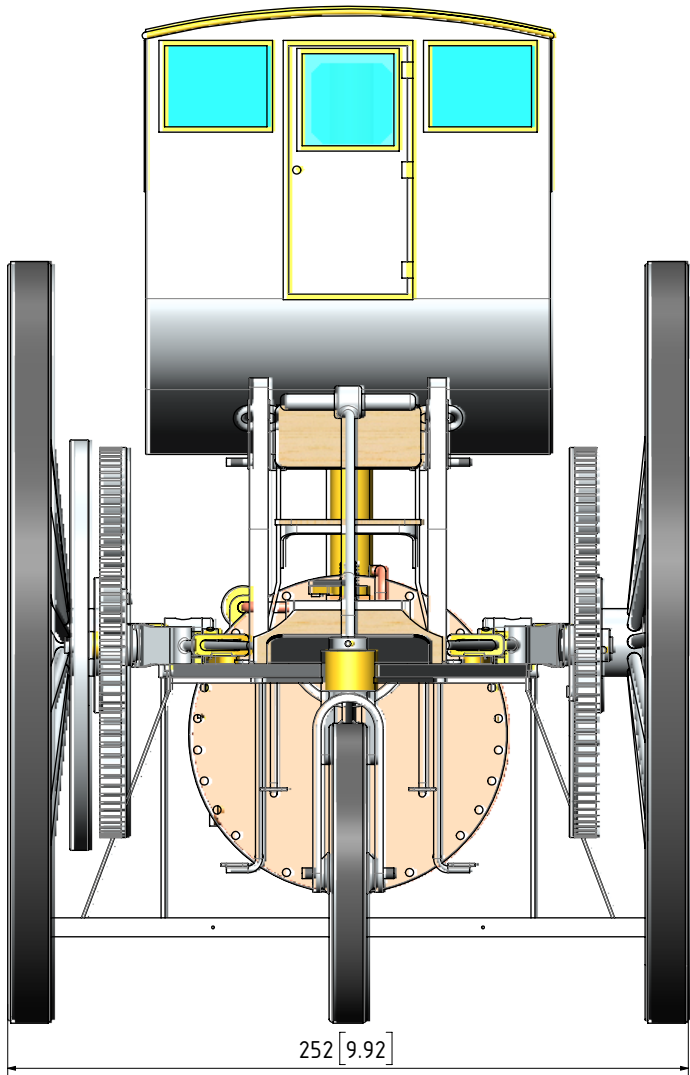
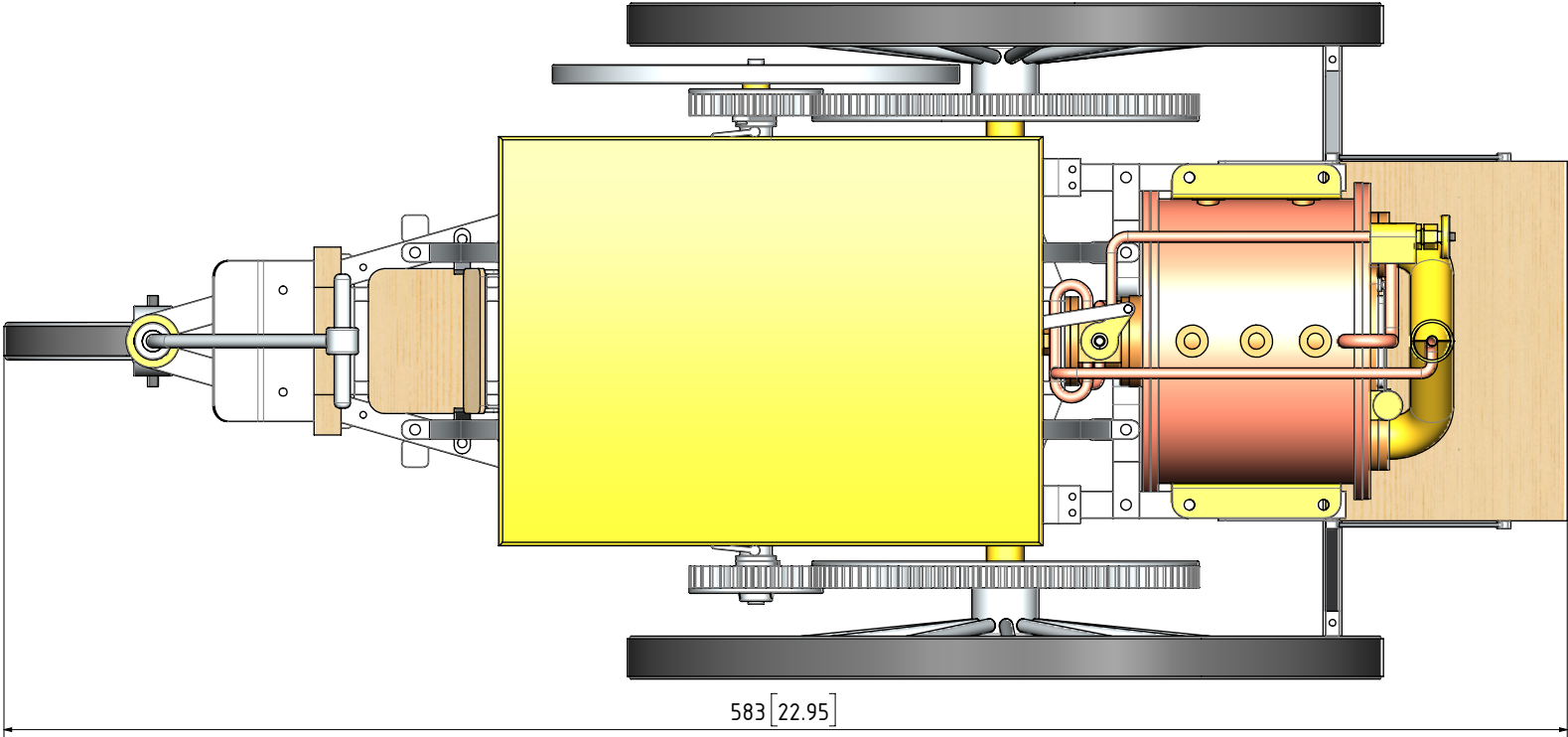
Weight, empty 1.9 tonnes

Chassis Wrought iron and wood sandwich.

Body To carry up to 8 people

Cost in 1803 For building the coach less the engine £207 for shipping the engine from Falmouth to London £20 14s 11d cost of engine not known.

Tom Brogden
Macclesfield.



NOTES: THIS DESIGN IS BASED ON DRAWINGS/SKETCHES AND PICTURES WHICH I FOUND ON THE INTERNET. NONE OF THE DRAWINGS/SKETCHES WERE DIMENSIONED.

TITLE
**A MODEL OF RICHARD TREVITHICK'S LONDON
STEAM CARRIAGE OF 1802/1803**

DRAWING CONTENTS
GENERAL ARRANGEMENT

PROJECT No 09E-32-00
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PROJECTION
DATE MAY 2019
SHEET: 01 OF 07

MODEL SCALE: 1:8.7
DWG SCALE: 1:1 @A3 OR AS SHOWN
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A3 No: 09E-32-00-SHT01