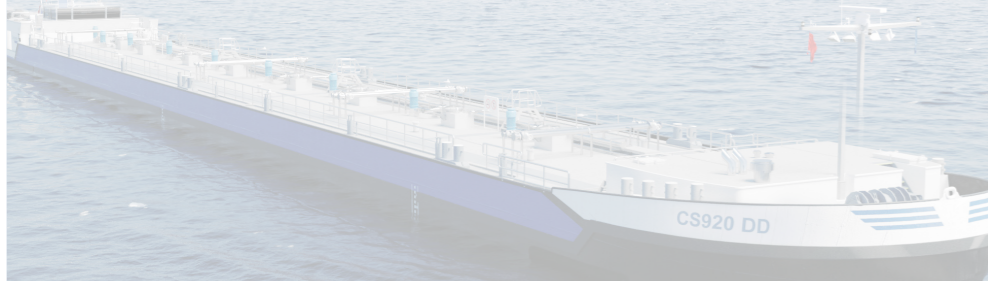


CDS 110 Tanker



Concordia
DAMEN



The hull shape of the CDS 110 Tanker is based on the Parsifal type tanker. This will allow the vessel to sail longer at (very) low water levels, which is predicted to occur more often in the coming years.

1.20

meter min. draft

2940

tonnage max. draft

3040

cubic meter volume

8

tanks



CDS 110 Tanker

With the 'Parsifal' inland waterway tanker Concordia Damen introduced a new, successful generation of mineral tankers to the river transport market for both small shipowners and energy companies.

Measuring 110 x 11.45m and proven to offer a larger carrying capacity and lower fuel consumption than comparable tankers, including at (very) low water levels, these optimised designs offer low resistance and an optimal 'speed-power curve'. This combination of features makes the ship more efficient and the transport per ton more environmentally friendly.

Parsifal tankers are designed in such a way that propulsion types are adaptable (e.g. diesel-electric, diesel-direct, LNG-electric, H2-electric). Last, we build Parsifal hulls on stock, shortening delivery time by months.



CDS 110 Tanker

Type Inland Waterway Tanker
 Technology Diesel Direct
 Class Lloyds
 Notation HULL #5 IN (0.6) Z type C/1R/DD
 Tp=65kPa/Dp 50 kPa EN/EUR

Dimensions

Length o.a. 110.00 m
 Beam o.a. 11.45 m
 Depth at side 4.90 m
 Draught max. 3.30 m
 Draught min. 1.20 m
 Speed (design) 18 km/h

Loading capacities

Number of tanks 8x 380 m³
 Volume 3,040 m³
 Pumps 8x Marflex 100m³/hr
 Tonnage max. draft 2,940 t
 Tonnage 3.0 m 2,560 t
 Tonnage 2.5 m 1,950 t
 Tonnage 2.0 m 1,350 t
 Minimum draft 1.20 m @ 420 t

Tank capacities

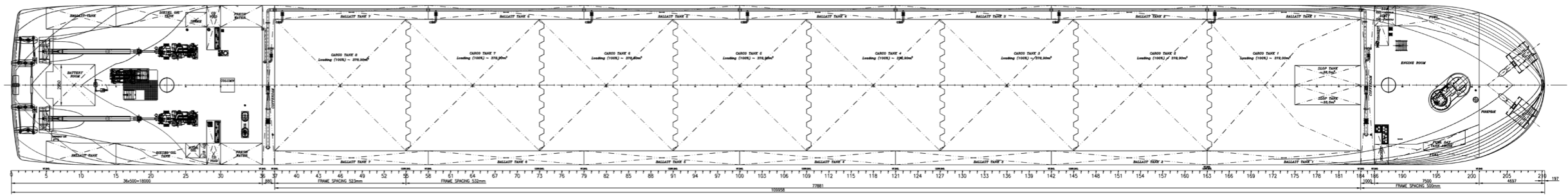
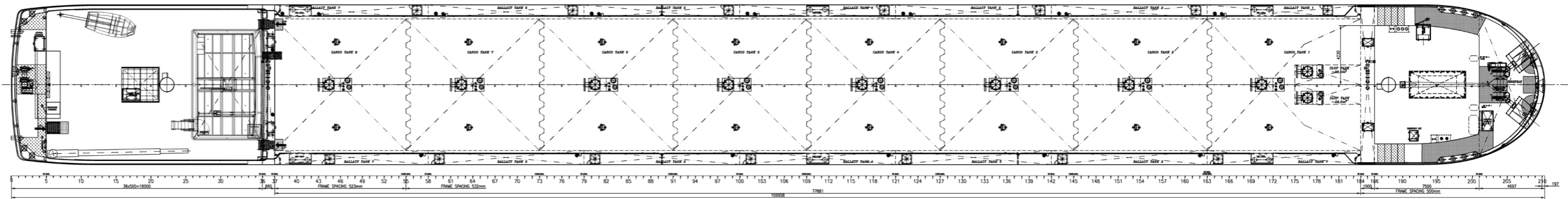
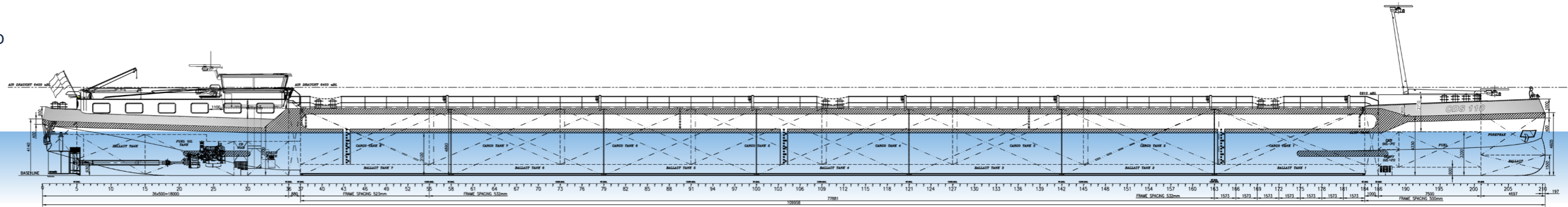
Ballast water (BW) 1,320 m³
 Fresh water (FW) 2x 8 m³
 Lube oil (LO) 2x 0.5 m³ + 2x 0.5 m³ aft
 Dirty oil (DO) 1x 2.5 m³
 Dirty water (DW) 1x 3.0 m³
 Slob tanks 2x 10.0 m³

Propulsion

Main engine Caterpillar C18 sc ac STAGE V
 Power 2x 500 kW @ 1,800 rpm
 Gear box Reintjes WAF 364 L 6,048 : 1
 Propellers 2x 1,500 mm
 Nozzles 2x 1,520 mm HR type
 Rudders 4x Easy flow
 Bow thrusters VSG-1200 L 425 ekW @ 1,800 rpm

Electrical installation

Generator(s) 1x Caterpillar C18 516 kVA (413 ekW)
 Generator(s) 1x John Deere 135 kVA (108 ekW)
 Harbour generator 1x John Deere 70 kVA (56 ekW)



Concordia
DAMEN

WHERE VISION MEETS REALITY

concordiadamen.com



Concordia Damen

Concordia Damen designs and builds inland waterway vessels with an innovative and cost-effective profile, both for (smaller) family-owned shipping companies and multinationals looking to optimise their port and river logistics. Additionally, we are a reputable shipbroker, supplying owners with selling or purchasing services.

Down-to-earth-management, a contemporary view on shipping and a track record of 250+ vessel deliveries enable us to successfully build and broker for clients worldwide.

High quality, innovation and efficient shipbuilding is the Concordia Damen trademark. We can effectively process new developments into our services – and your newbuild.

Concordia
DAMEN