

# CDS KVB



Concordia  
DAMEN



Concordia Damen's 'CDS KVB' ('koppverband') combination vessel allows skippers to sail longer at low tides and shallow water levels, a useful feat in the current climate.

**396**

TEU 4 layers

**5675**

tonnage max. draft

**105 + 88**

meter length vessel + barge



## CDSKVB

With a 105 m vessel and an 88 m barge and a formidable capacity of 396 TEU, the CDS KVB is able to transport more tonnage and sail faster with lower fuel consumption than comparable vessels. This is due to the low resistance of this 193 x 11.45 m combination.

The optimised hull shape is based on Concordia's already successful 'Parsifal' tanker design, which features low water resistance and can be adapted to other types of propulsion and future fuel types.

The CDS KVB also has the advantage when water levels are low: at 2.0 m draft it still has a tonnage of 2490 tons. Whether you deploy the CDS KVB in the container or bulk market, its relatively small footprint will benefit both the environment and your business.



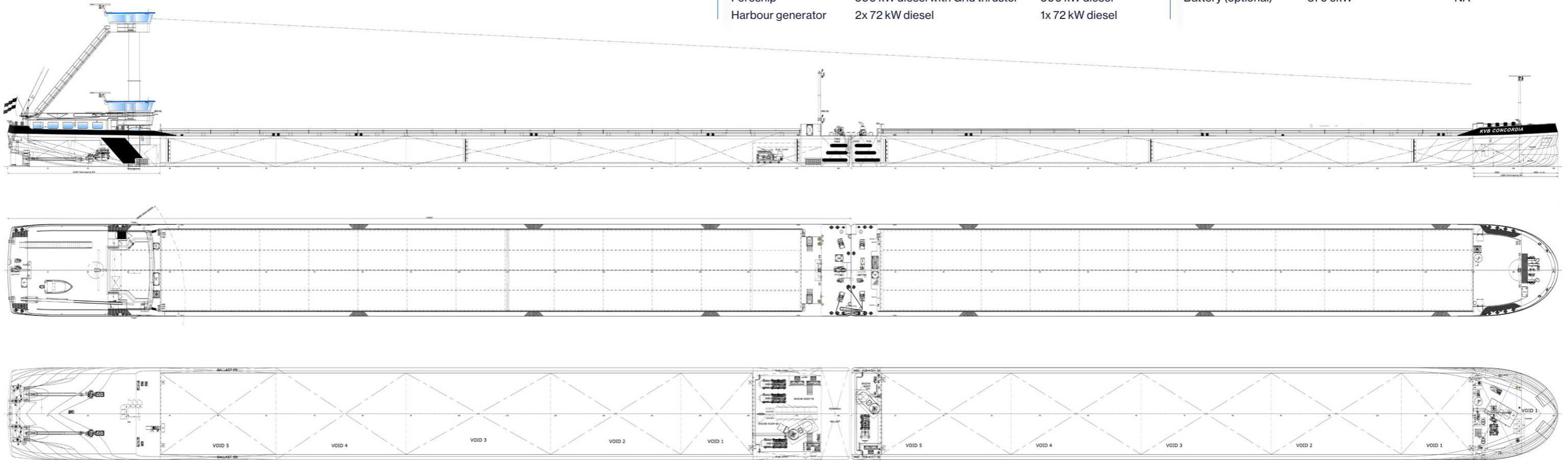
Type Inland Waterway Container Vessel  
 Technology Hybrid / Diesel / Battery Electric  
 Class Lloyds / BV A1 IVW ADN 24 HR

Dimensions	Vessel	Barge
Length overall	105.00 m	88.00 m
Beam overall	11.45 m	11.45 m
Depth at sides	3.80 m	3.80 m
Draft	3.50 m	3.50 m

Loading capacities	Vessel	Barge	Total
Stack load	60 tons		
TEU 4 layers	204 TEU	192 TEU	396 TEU
TEU 3 layers	152 TEU	144 TEU	296 TEU
Tonnage max. draft	3075 tons	2600 tons	5675 tons
Tonnage 3.0 mtr	2507 tons	2100 tons	4607 tons
Tonnage 2.5 mtr	1840 tons	1570 tons	3410 tons
Tonnage 2.0 mtr	1340 tons	1150 tons	2490 tons
Minimum draft	1.45 m		

Propulsion	Vessel	Barge
Aft ship	2x 900 kW permanent magnetic	350 ekW e-motor
Propellor	1600 mm in nozzle	Grid 1200 mm
Rudders	2x 2 hydraulic driven	NA
Bow thruster	1x 350 ekW e-motor	600 ekW e-motor
Bow thruster system	Grid 1200 mm	Grid 1400 mm
<b>Propulsion (option)</b>		
Aft ship	2x 900 kW diesel	350 kW diesel
Foreship	500 kW diesel with Grid thruster	500 kW diesel
Harbour generator	2x 72 kW diesel	1x 72 kW diesel

Tank capacities	Vessel	Barge
Fuel oil	50 m³ aft + 8 m³ fore	5 m³ aft + 8 m³ fore
Fresh water	20 m³	5 m³
Lube oil	1.5 m³	1.5 m³
Ad blue	2.3 m³	2.3 m³
<b>Power generators</b>		
Aft generator	1x 45 ekW	1x 45 ekW
Front generator	2x 600 ekW + 2x 300 ekW	1x 600 ekW
Battery (optional)	370 ekW	NA



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**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.

