

THE NEW HAMBURG EXPRESS CLASS: BERLIN EXPRESS

The Berlin Express is 399 metres long and 61 metres wide.

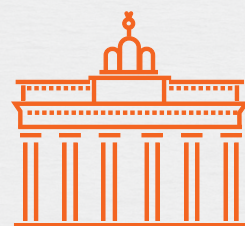
BY COMPARISON:
The Berlin TV Tower is

368 m high,



the Brandenburg Gate

62.5 m wide.



Max. height	76 m
Side height/ keel–main deck	33.2 m
Draught	16.3 m
Tonnage	224,995 t
Container capacity	23,664 TEU
Reefer slots	1,500 TEU
Max. speed	22 kn
Shipyard	Hanwha Ocean, South Korea

Propellers	
Diameter	10.3 m
Blades	6
Weight	102 t
Rudder blade	115 m ²
Empty weight of vessel	66,850 t
Size of LNG tank	18,650 m ³
Max. generator output	18.5 megawatts

BY COMPARISON:

According to the internet, a 4-person single family house consumes an average of 4,000 kWh of electricity per year.

18.5 MW

can supply 40,515 households,
365 days a year.



Steel anchor	2
(each 6.2 m long and around 4.2 m wide, 24,750 kg)	
Anchor chains	2
each 385 metres long	

FACTS ABOUT THE MAIN ENGINE

The Hyundai-MAN 11G95ME-C10.5-GI x 1-set main engine powers the propeller via the propeller shaft with 58,270 kilowatts.

BY COMPARISON:

A VW Golf has an output of around

75 kw

OTHER FACTS ABOUT THE MAIN ENGINE:

Cylinder	11
Piston diameter	0.95 metres
Piston stroke	3.46 metres

LNG

LNG is a gas that changes into liquid form at temperatures below -162 °C and is therefore ideal for transport and storage. In order to use it, it is heated up and thus turned back into a gas.

FRESH WATER

The fresh water generator can produce 40 t of fresh water a day. It does this by converting ocean water into freshwater by means of evaporation. Around 9 t of fresh water a day are needed on board.

VESSEL DIMENSIONS

A tour of the deck is almost a kilometre long. There are 135 steps between the officers' station on deck A and the bridge (at a height of 31.5 m).

THE CREW

The crew comprises 27 seafaring staff. The two captains of the "Berlin Express" are Michael Kowitz (52), who has been at Hapag-Lloyd for 18 years and was previously a captain on the "Brussels Express", and Captain Carsten Metzner (49), who has been sailing with Hapag-Lloyd for 20 years. He is the former Captain of the "Buenos Aires Express".