



**Fully battery electric driven car ferry**

**[www.fjellstrand.no](http://www.fjellstrand.no)**

# ZeroCat™ 120

## GENERAL INFORMATION

Vessel name : Ampere  
 Builders No. : 1696  
 Port of registry : TBN  
 Flag : Norwegian  
 IMO Number : 9683611  
 Class : DNV ⌘ 1A1 -LC  
 R4(nor), CF, C, BP  
 IOPP - A

Call sign : LFEA  
 Builder : Fjellstrand AS  
 Design : Fjellstrand AS  
 Style : NORLED AS  
 Build : 2014

## DIMENSIONS & CAPABILITIES

Length overall : 80,8 m  
 Length between P.P. : 78,6 m  
 Breadth : 20,8 m  
 Depth moulded : 6 m  
 Deck space : Approx. 1500 m2  
 Water ballast : No ballast  
 Fresh water : 5000 liter  
 Fuel oil : No fuel tanks  
 Gross tonnage : TBC  
 Net tonnage : TBC

## SPEED

Service speed : Approx. 10.0 knots  
 : only aft propeller operating

Max speed : Approx. 14.0 knots

## SPECIAL FEATURES

Fully operated by onboard batteries charged from land grid.  
 Quick connection charging facilities integrated with quay.  
 Connects to land based smart grid battery package.  
 Integration package delivered by NORLED/SIEMENS.

10 year calculated battery lifetime.

## ACCOMMODATION

7 Cabins for 7 Persons  
 Galley, laundry, office and day room.

## CAR DECK

120 car units (4,3m x 1,85m , weight 1,3 ton)  
 8 truck units (19,5m x 2,6 m, max 52,5 ton)

Free car height 5,0 m, 12,2 m upper car deck.

## PASSENGER FACILITIES

350 passengers  
 140 seats in saloon  
 4 passenger toilets  
 Accessibility for disabled persons

## MAIN PROPULSION

Main el. motors : 2 x 450 kW

Azimuthing thrusters/propulsion Rolls Royce AZP 085  
 feathering type: : 2 x 450 kW

Electric propulsion : SIEMENS

## NAVIGATION

1 x 10 cm radar (S-band) w/Arpa  
 1 x 3 cm chart radar (X-band) w/Arpa  
 2 x DGPS systems  
 2 x Gyro compasses  
 1 x Navigation echo sounder  
 1 x Speed log  
 ECDIS with UPS  
 AIS and BNWAS

## COMMUNICATION EQUIPMENT

1 x VHF w/ DSC  
 1 x GMDSS System – A1 - NOR  
 1 x Manual EPIRB  
 1 x Talk back system  
 1 x Public address system  
 3 x Portable GMDSS VHF w/charger & spare battery  
 2 x SART