

# Soft Starters for Main Propulsion in “BC Ferries” C-Class

Driving main propulsion

Motor ratings: 1200A/11MW/6600V



Passenger ferries spend a lot of time maneuvering at dock while at the same time, trying to ensure passenger comfort. Soft starters for main-propulsion eliminate the initial torque surge on the shaft as the enormous propeller begins to turn. It also eliminates the voltage drop associated with starting these large motors (minimizing the generating capacity required) and reduces wear and tear on the mechanical system.

When designing BC Ferries latest C-Class, the designers were looking for a highly dependable soft starting systems for the main propulsion system - one that would endure continuous performance under some of the most adverse conditions including constant vibration, temperature variations and corrosive ambient conditions.

Solcon's HRVS-DN was chosen for its proven track record in these types of marine applications.



Passenger Vessel - BC Ferries C-Class Design  
Project Contractor - Flensburger Schiffbau, Germany  
Integrator - SAM Germany  
Motor type - 6 x 11MW at 6.6KV, Main propulsion, 2 per Ferry