

★ 2-stage Gas Compressor CM 2 series

for Dual Fuel Engine Gas Supply on DFDE LNG Carriers

Electric motor driven two-stage cryogenic compressor, type 2-CM, with variable diffusor vanes, complete with lube oil system, seal gas system, and accessories.

Typically this machine delivers between 2'500 and 6'000 m³/h of boil-off gas with an inlet temperature of -120°C, at a delivery pressure of 6.5 bar a.

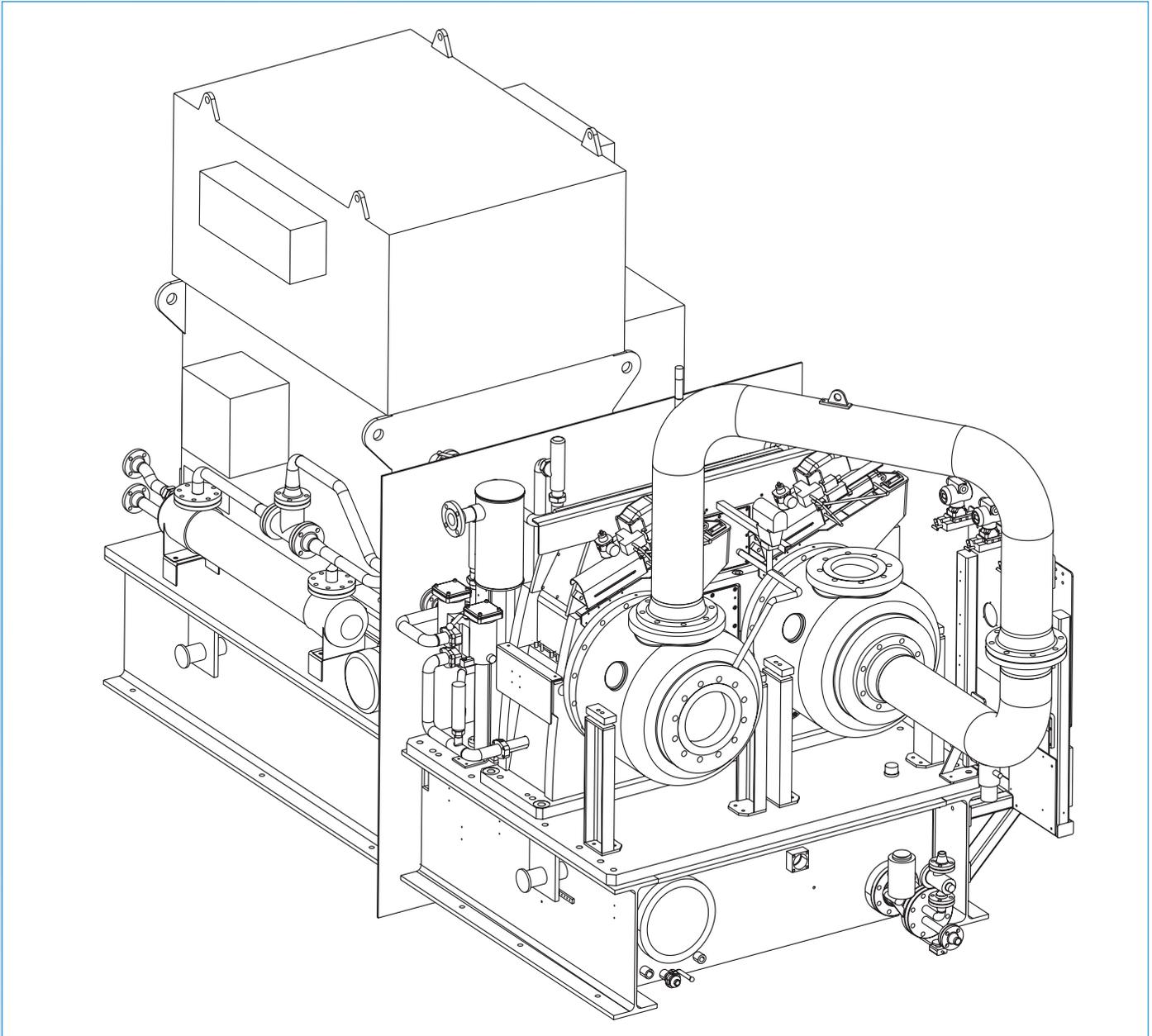
The unit is installed on a single, rigid skid, with bulkhead, and bulkhead seal on the heavy-duty gearbox.

For marine applications full certification is included.



★ Key Advantages of Cryostar 2-stage Boil-off Gas Compressors:

- ★ **Compact, space saving arrangement**
Small footprint allows simple onboard integration, and access for operation and maintenance.
- ★ **Rigid heavy-duty skid**
Proper stability of the motor/compressor arrangement, for trouble-free operation.
- ★ **High efficiency and performance**
Smaller motor sizes squeeze cost and assure economic operation.
- ★ **Advanced, oil-lubricated bulkhead seal**
Accessibility for shaft alignment, no sealgas consumption, reliability and safe operation.
- ★ **Integrated local panel**
Cabling and tubing done in the factory thus reduced installation cost for the shipyard.
- ★ **Process Integration with the Cargo Handling System**
Cryostar provides a combined, well-integrated package with the Gas Heaters/Vaporizers.
- ★ **IAS Integration**
As an option, serial link to IAS, or fully redundant integration with selected IAS vendor.



	P_{in}	P_{out}	Flow
CM 2-200	1.03 bar a	6.5 bar a	2'500 to 6'000 m ³ /h
CM 2-300			

★ **Applications:**

- ★ **For LNG carriers,**
as Fuel Gas compressor to maintain the cargo tank pressure while supplying boil-off gas as fuel to the dual fuel engines and/or gas combustion unit during the voyage.
- ★ **For land - based plants**
these units are supplied as Cryogenic Compressors, without bulkhead and designed according to API617 if required (with separate lube oil system for special purpose oil systems).