



2-STAGE GAS COMPRESSOR

CM2 series : for Dual Fuel Engine Gas Supply on DFDE LNG Carriers

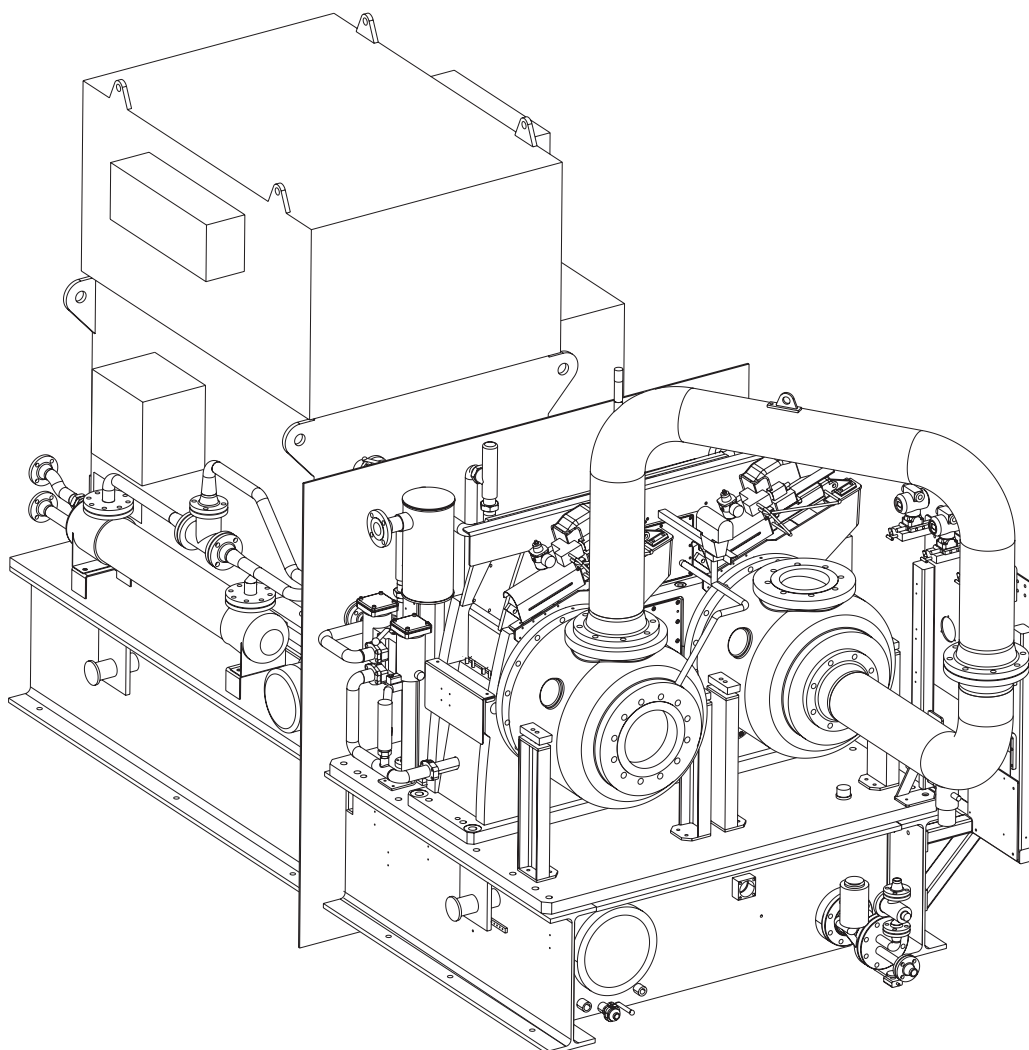


Electric motor driven two- stage cryogenic compressor, type 2-CM, with variable diffusor vanes, complete with lube oil system, seal gas system, and accessories. Typically this machine delivers between 2'500 and 6'000 m3/h of boil-off gas

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 bulk-head, and bulkhead seal on the heavy-duty gearbox. For marine applications full certification is included.

KEY ADVANTAGES

- ★ **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 CM 2-300	1.03 bar a	6.5 bar a	2'500 to 6'000 m^3/h

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).