

Compact Screw Compressors in Marine Applications

if
Provided the compressor is installed horizontally to the water level in the ship's direction of motion and the oil level is not above the sight glass center CSH and CSW compressors can be operated within inclination angles as demanded by GL (Germanischer Lloyd = German shipping classification company).

Lateral inclination		Longitudinal inclination	
static	dynamic	static	dynamic
15°	22,5°	5°	7,5°

then

Note: Dynamic lateral and longitudinal inclinations mostly occur at the same time (rolling).

Inclinations in excess of these values require individual investigations per compressor model by the Application Engineering Department.

static = permanent lateral or longitudinal trim
dynamic = oscillation or pendulum motion

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Built in inclination 10°, motor down
Longitudinal inclination static ± 15°, dynamic ± 17,5°

