



Vessel type Fact Sheet

Source : FAO/FIIT - Fisheries Industry and Technologies [\[?\]](#)

Pair trawlers

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Classification :

Category (intl.) : Trawlers

Category (intl.) : Pair trawlers

Vessel characteristics

Profile

Deck Type: Normally decked vessels, but also undecked.

General Description: A pair trawler is one of two vessels towing one single trawl. The two vessels open the trawl horizontally by keeping a distance when towing. Otter boards are not used. Pair trawlers can operate mid-water and bottom trawls. They handle only one warp each and therefore only one winch is required. Most pair trawlers are, however, equipped with two winches as some use two warps when mid-water pair trawling and some are using two winches to split long towing warps between two drums. Specialized pair trawlers are not equipped with galleys as they tow the single warp from the stern (Asian and Spanish pair trawlers), often from a fixed towing point (hook).

Vessel Class:

Length: > 5 (actual in metres)

Tonnage: normally > 5 (gross in)

Deck Arrangement: The superstructure is placed forward or mid-ships with the working deck aft. Net drums and gilson-winchies are installed to assist in the handling of gear and catch.

Catch Handling Mode: Fresh fish in ice or refrigerated sea water (RSW) and/or frozen fish in blocks or boxes.

Features

Equipment:

Deck Equipment: There will be various arrangements of the deck equipment depending on the type of trawler concerned. All trawlers will carry trawl winches for handling and storage of the towing warp(s). Gilson winches, net drums and other auxiliary winches are commonly installed to handle the gear and the catch. Pelagic trawlers may be equipped with fish pumps for emptying the codend.

Fish Detection Equipment: According to its size, the pair trawlers may be fitted with fish detection equipment such as echo sounder and sonar various gear control and monitoring equipment like; "trawl eye", that gives additional information about fish concentrations over, under and in the trawl opening, plus clearance from the bottom and opening of the trawl, catch sensors that gives information about the filling rate of the codend, symmetry sensors that provide information about the trawls optimal geometry, tension sensors that gives information about the tension in warps or sweeps. A radar is an important instrument while pair trawling as it is used to keep correct distance between the two towing vessels. Most pair trawlers will be equipped with navigational instruments, frequently based on GPS.

Bottom trawls, mid-water trawls.

Fleet statistics

Total number of Pair trawlers.

no statistics available

Total grt of Pair trawlers.

no statistics available

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