

Ice Technology. Made in Germany.

**Even in the toughest
conditions – Think ZIEGRA**

ZIEGRA On-board Ice Machines.





Freshness Begins On-board. With ZIEGRA Ice.

We all know that once brought on board, fish needs to be **cooled as quickly as possible** and kept **cool for the entire trip**, to ensure the maximum possible shelf life. The question is, how? – Think **ZIEGRA ice machines**.

Ice packs a huge amount of cooling energy into a small volume, containing around 80 kcals of latent cooling energy per kg. This high density cooling capacity makes ice the obvious choice for use on board fishing vessels. Any meltwater generated during the cooling stage runs over the fish, keeping it moist, not only essential in holds that are not refrigerated but also in those where dry air starts to impact on fish quality.

That is why icing the catch has long been accepted as the most efficient way to keep fish in perfect condition whilst at sea. With a range of outputs and options, a ZIEGRA trawler ice machine offers the ideal on-board solution.

- no queuing for ice at the harbor
- making ice as you go with a lighter vessel and significant energy savings
- ice made on demand – no waste
- considerable cost reduction with your own on-board ice machine.





Ice Production On-board – convenient, efficient, affordable.

Performance, quality, hygiene. Designed to preserve your catch.

ZIEGRA Ice

- Granular flake ice stores well and does not fuse together during storage.
- No hard or sharp edges to damage the catch.
- The maximum cooling efficiency of ice is at the point of melting: 0° C. ZIEGRA chip ice, with its temperature of -0.5° C optimises that efficiency and will not damage the catch.
- Different ice options within one machine if required:
 - Freshwater
 - Seawater
 - Slurry (StreamIce®).

ZIEGRA On-board Machines

- Easy to install, self-contained units (remote options available on request).
- Compact with a small footprint.
- All connection points in one place on the side of the machine.
- Several ice discharge options to suit the machine location on the vessel.
- Ice available whenever you need it.
- Standard machines or more tailored solutions available.

ZIEGRA Quality

- We understand how important it is to be confident that when you need it most, your ice machine will not let you down. That is why our range of on-board ice machines has such a good reputation.
- Robust construction to withstand the rigours of life at sea.
 - Hygienic design with a single pass, closed water system.
 - A designated service team is available for worldwide technical backup. Spare parts availability is guaranteed for a minimum of 15 years.

Think ZIEGRA

Model	Capacity Freshwater chip ice *	Capacity Saltwater chip ice *	Capacity Saltwater StreamIce *	Power Consumption kw	
				15 deg C	25 deg C
single phase					
SWE 350 TW	350 kg	290 kg	×	1.8	×
three phase					
SWE 550 TW	550 kg	450 kg	1.300 kg	2.6	3.0
SWE 750 TW	750 kg	600 kg	1.800 kg	3.3	3.5
SWE 1.000 TW	1.000 kg	800 kg	2.400 kg	3.7	4.0
SWE 1.250 TW	1.250 kg	1.000 kg	3.000 kg	4.0	4.5
SWE 1.500 TW	1.500 kg	1.200 kg	3.600 kg	6.2	6.2
SWE 2.500 TW	2.500 kg	2.000 kg	6.000 kg	10.0	10.0
SWE 3.000-2 TW	3.000 kg	2.400 kg	7.200 kg	12.4	12.4
SWE 5.000 TW	5.000 kg	4.000 kg	12.000 kg	19.0	20.0
SWE 5.000-2 TW	5.000 kg	4.000 kg	12.000 kg	20.0	20.0
SWE 7.500 TW	7.500 kg	6.000 kg	18.000 kg	25.0	28.0
SWE 10.000-2 TW	10.000 kg	8.000 kg	24.000 kg	38.0	40.0

* ice type required to be specified at order.

Standard features:

- seawater-cooled
- Refrigerants R404A or R 449A
- Stainless Steel enclosure
- Vibration absorbers
- Anti-corrosion treatment of components

Optional features:

- Models available as 2in1 or 3in1 (multiple ice types from one single ice machine)
- Ice storages
- Different ice discharge types
- Remote installations
- Adaptation to space restrictions
- Ice makers only w/o refrigeration system



Model SWE 1.250



Model SWE 1.500

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