

Technical Data Sheet EWB**Two cooling towers made in Galvanized Steel and closed by FGRP.**

execution:	Without basin to be placed on a concrete basin according with our design. Option: With FGRP Basin.
erection:	On a concrete basin. Option: On a gird steel beams.

Technical Description**Frame**

Made in hot dip galvanised L Steel profiles. The fan stack is fully made of FGRP.

Casing

without water basin, all casing of fibreglass reinforced polyester, standard colour dark blue, screws of stainless steel, corrosion-proof.

louvers

Made in PP to prevent the water splash out and the sun into the basin. It makes the cooling tower very effective against legionella, algae and other biological contamination.

fill material

executed as film-type cooling fill of corrosion-proof **POLYPROPYLENE** blocks with a high heat transfer capacity, for unpolluted water, temperature resistant up to 80°C. This kind of material is friendly with the environment. **SANIPACKING**, Anti-Legionella fill packing.
Fill support in galvanized steel.

water distribution system

it is done by water distribution tubes in **polypropylene** with special nozzles in plastic material (ABS). The bores of this nozzles are so big to prevent the obstruction.

drift eliminator

with high efficiency (water blow down less than 0,01%) and low pressure loss, of **PP**-elements, temperature resistant up to 80 °C. **SANIPACKING**, Anti-Legionella drift eliminator.

axial fan

with five fan blades of **AL-sea-proof**, blade angle adjustable at standstill. Fan hub of aluminium. With protection grid.

Special equipment

- access ladder and handrails
- vibration switch FFE

The cooling tower is supplied in complete Not-Assembled and would be necessary to do the erection and assembly on site. We recommend to make the supervision of the assembly by EWK. We expect 1-2 weeks to do the erection.

Not included in our delivery extent are:

All parts and services not explicitly indicated as item or object, in particular:

- Transport to place of installation, disassembly and reassembly, if transport to place of erection in completely assembled condition is impossible due to insufficient openings or access ways.
- Eventually necessary civil work such as bricklaying, foundation work, painting.
- Connecting pipes at cooling tower water side, fresh water feed, inlets and outlets.
- Pumps and fittings.
- Helpers for assembly.
- Tools and lifting devices.
- Eventually necessary additional sound attenuating measures.
- Electric switch cabinet.
- Electric installation.
- Measuring and control technique.
- PTC-resistor for electric motors. However, should PTC-resistors be installed as standard, they can be connected expertly.
- Assembly and commissioning costs on site.
- Commissioning of components not supplied by us.
- Crane rails and hooks for maintenance work.
- Acceptance test of cooling tower performance according to DIN 1947 or VDMA 24419.
- Acceptance after on-site installation.
- Insulation of piping, fittings and insulation of possibly existing cold water vessels.
- Test and commissioning of on-site control and switchboard plant. The manufacturer of the switchboard plant is responsible for the proper function.
Advisory service, subsequent work and the corresponding delays can only be executed against separate invoicing.