



FRIGOR-TEC
Cooling to the point



STANDARDFRIGOR – Industrial water cooled unit FVWC

www.frigortec.com



Water Cooled Unit	FVWC05	FVWC10	FVWC20	Benefits
Nominal cooling capacity ¹⁾ [Ton] [kw]	5 17.5	10 35	20 70	Full cooling capacity in wide temperature range
Temperature range [°F] [°C]	-22 to +140 -30 to +60	-22 to +140 -30 to +60	-22 to +140 -30 to +60	Reliable operation in a wide temperature range
Industrial air fans [cfm] ²⁾ [m ³ /h] ³⁾	2.700 4.000	4.500 6.200	9.000 12.400	Increased static pressure and air flow for a better air circulation
Dimension [inch (L x W x H)] [mm] (L x W x H)	42 x 23 x 74 1.067 x 584 x 1.880	42 x 32 x 76 1.067 x 813 x 1.930	84 x 32 x 76 2.130 x 813 x 2.057	Robust powder coated steel frame designed for corrosive environment
CO₂-equivalent R134a [kg] R513A	5.720 2.524	11.440 5.048	21.450 9.465	Environmental friendly refrigerant
Air Filter	Industrial air filter			Enhanced filter surface for extended maintenance intervals
Condenser	Tubular heat exchanger			Extended maintenance intervals and easy cleaning
Evaporator	Coated Evaporator			Extended fin space and coating for extended maintenance intervals

Electrical heater available on request.

FVWC30 / FVWC40: 30 Ton and 40 Ton units available. Please ask for technical information!

¹⁾ With 80 °F / 27 °C indoor temperature, 52% relative indoor air humidity and 86 °F / 30 °C water temperature

²⁾ 60 Hz

³⁾ 50 Hz

Refrigerant

Type:

R134a

R513A

GWP value:

1.430

631

Subject to technical change.



STANDARDFRIGOR FVWC

The watercooled unit STANDARDFRIGOR FVWC is designed for a long lasting and reliable operation in extreme conditions. It is especially designed for conditioning of electrical equipment in large control rooms. The discharge of the thermal load (condenser) is absorbed by the cold water system.

Starting from size FVWC10 the machine part (compressor and tubular heat exchanger) can be separated from the climate part (fan and evaporator). The industrial unit FVWC can be used in limited mounting space and smaller sized doors of the control room.

The long lasting design and corrosion protection of the STANDARDFRIGOR assures a reliable and efficient production process.

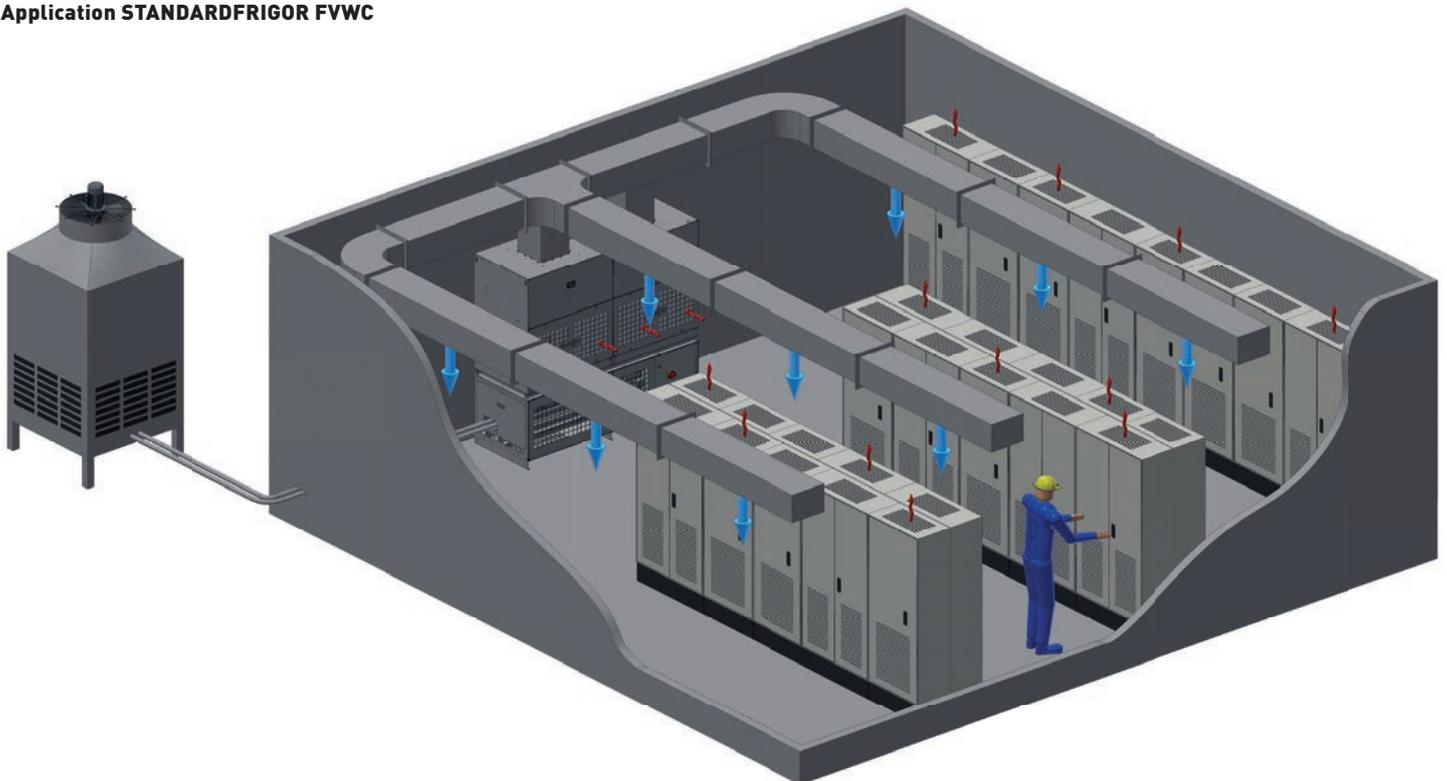
Technical features:

- Tubular heat exchanger (condenser) for a more reliable operation with waste water and comfortable cleaning
- Corrosion-resistant coating of heat exchange and copper pipes
- Corrosion-resistant housing available for installation in aggressive atmospheres

- Robust sheet-steel construction, designed for extreme shock-loads
- Industrial components for 24/7 operation
- Painted with acid- and alkaline-resistant paint



Application STANDARDFRIGOR FVWC



The FrigorTec GmbH is certified with DIN EN ISO 9001:2000.
TÜV acceptance testing in our plant.

An additional check at the installation site is not usually necessary for the compact device STANDARDFRIGOR.

We pass on only what we have produced by our own hands.



In the main plant in Amtzell, Germany all products made by FrigorTec GmbH are developed, constructed and produced. Every device passes a quality inspection with test runs before delivery. FrigorTec solutions are sold in over 84 countries through our worldwide distribution network.

SERVICE
(24/7)



Our service keeps the units maintained and ensures the spare parts supply - worldwide.
service@frigortec.de

Grain cooling
GRANIFRIGOR™

Crane air conditioning
CRANEFRIGOR™

Standard cooling
STANDARDFRIGOR

Special solutions
SHELTERFRIGOR

Insect heat treatment
DEBUGGER

Hay dryer
AGRIFRIGOR™

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