

Felzer nordAQUA FCCS

air-cooled chillers, heat pumps and CCU, scroll compressors



7.6 - 41.5 kW (cooling capacity for chiller)
14.3 - 41.5 kW (cooling capacity for CCU)
7.9 - 47.5 kW (heating capacity for heat pumps)

R410a refrigerant.

Scroll inverter version is available.

Low (up to -15°C) liquid leaving temperature chiller version is available for operation at up to -30°C outdoor temperature.

Versions

nordAQUA FCCS - air-cooled chiller, standard version;

nordAQUA FCCS R - air to water reversible heat pump;

nordAQUA FCCS CU - condensing unit.

Felzer nordAQUA FCC

air-cooled chillers, scroll compressors



56.8 - 170.0 kW (cooling capacity)

R410a refrigerant.

Scroll inverter version is available.

Low (up to -15°C) liquid leaving temperature chiller version is available for operation at up to -30°C outdoor temperature.

Versions

nordAQUA FCC - air-cooled chiller, standard version;

Felzer nordAQUA FCM

air-cooled chillers, heat pumps and CCU, scroll compressors



54.03 - 808.2 kW / 58.0 - 890.5 kW (cooling capacity: standard / HE);
55.2 - 434.6 / 58.0 - 479.5 kW (cooling capacity: CCU / CCU HE);
56.5 to 851.6 / 60.4 to 939.4 kW (heating capacity: standard / HE)

Scroll inverter version is available.

R410a refrigerant.

R290 refrigerant version on reciprocating compressors is available.

Low (up to -15°C) liquid leaving temperature chiller version is available for operation at up to -30°C outdoor temperature.

Versions

nordAQUA FCM - air-cooled chiller – “cooling only”;

nordAQUA FCM R - reversible heat pump;

Felzer nordAQUA FCQ chillers

water-cooled chillers, ground source heat pumps, scroll compressors



27.5 - 747.0 kW (cooling capacity for chiller)
23.5 - 658.5 kW (cooling capacity for condenserless version FCN);
31.5 to 848.9 kW (heating capacity for heat pumps)

Scroll inverter version is available;

High (upto 78°C) leaving water temperature heat pump version is available;

Low (upto -15°C) liquid leaving temperature chiller version is available;

Versions

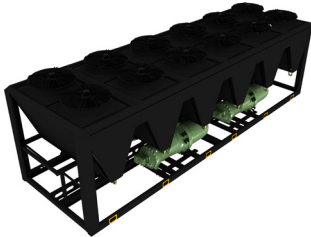
nordAQUA FCQ - standard version (available with integrated free cooling system);

nordAQUA FCQ HP - water-to-water heat pump;

nordAQUA FCN - condenserless version.

Felzer nordAQUA FWM

air-cooled chillers, screw compressors



168 - 1 778 kW (cooling capacity)

R134a refrigerant.

R1234ze refrigerant versions are available.

Screw Inverter version is available.

Low (upto -15°C) liquid leaving temperature chiller version are available for up to -30°C operation.

Felzer nordAQUA FWQ chillers

water-cooled chillers, ground source heat pumps, screw compressors



216 - 1 398 kW (cooling capacity for chiller);

263 - 1 708 kW (heating capacity for heat pumps)

R134a refrigerant.

R1234ze refrigerant versions are available.

Screw Inverter version is available.

Low (upto -15°C) liquid leaving temperature chiller version is available

Versions

nordPOWER FWQ - water-cooled liquid chiller, standard version;

nordPOWER FWQ HP - heat pump;

nordPOWER FWN - condenserless chiller.

Felzer byteCOOL close control units

direct expansion, scroll compressors



General description

1) Felzer byteCOOL direct expansion units: FX-A / FX-B

Units with integrated compressors for operation with outdoor remote condenser (A) or drycooler (B).

2) Felzer byteCOOL chilled water: FY-C

Units without compressors for operation with externally produced chilled water or liquid.

3) Felzer byteCOOL dual source units: FZ-AC

Contains two different and independent cooling circuits: first circuit with integrated compressor shall be connected to a remote air-cooled condenser and second circuit without compressors connected to a remote liquid chiller.

4) Felzer byteCOOL dual source units: FZ-BC

Contains two different and independent cooling circuits: first circuit with compressors shall be connected to the outdoor drycooler, and second circuit without compressors shall be connected to the external chiller.

5) Felzer byteCOOL indirect free cooling units: FZ-BF

The unit normally works as Direct Expansion water-cooled unit, but it shifts to Indirect Free Cooling working mode as soon as the outdoor temperature is low enough to allow it.

6) Felzer byteCOOL dual source units: FZ-CC

Units without integrated compressors are equipped with two completely independent chilled water circuits to assure 100% stability.