

SCREW COMPRESSORS FOR HT APPLICATIONS

Rottenburg, April 2021
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SCREW COMPRESSOR FOR HT APPLICATIONS

SELECTION OF PARTS THAT NEED TO BE CONSIDERED IN DRY-F

// O-rings / gaskets / plastics

- Pressure relief valve
- Check valve
- Shut-off valves, etc.

// Mechanical parts

- Bearings (HT version)
- Schrader valves
- Sight glass, etc.

// Oil

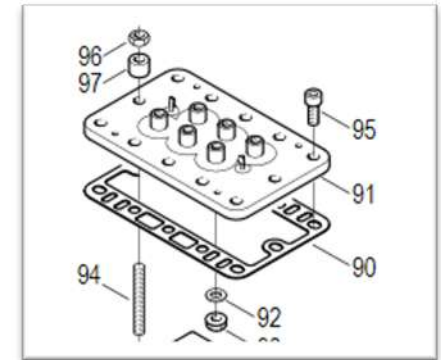
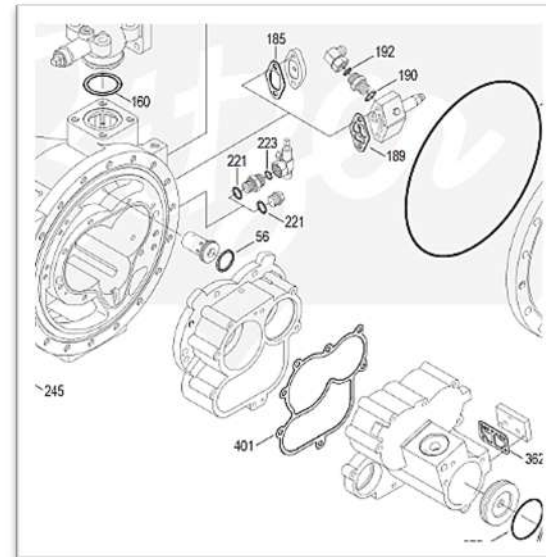
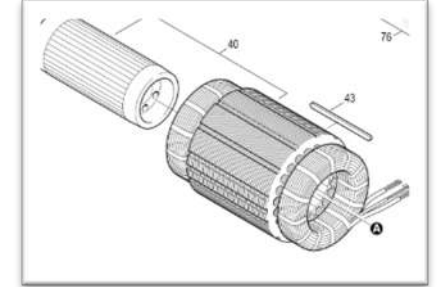
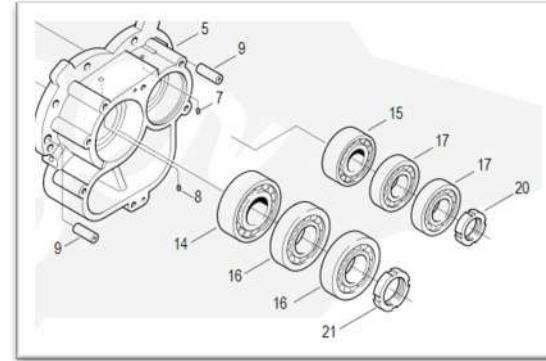
- POE / PAO / PAG / Other ?
- Daniel plots > +100°C?

// Painting „BITZER green“

- 2K-painting

// Electrical parts

- Solenoid valves
- Motor (HT version)
- Terminal plate
- Internal cables
- Motor protection device
- Oil level control OLC, etc.

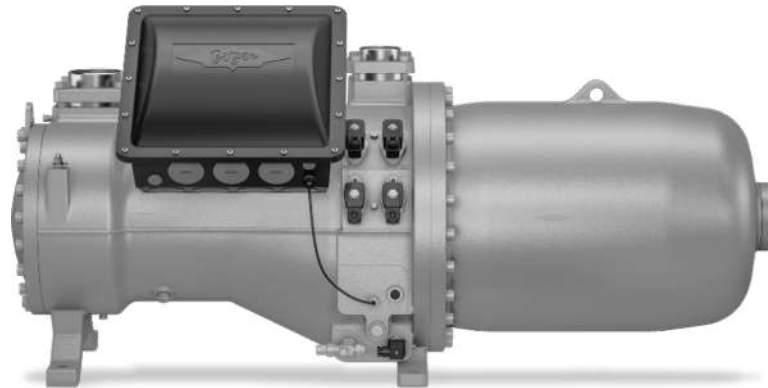


CSH2T NEW COMPRESSOR GENERATION FOR HT APPLICATIONS



// General features

- SST max up to +75°C
- → max SGT up to +100°C (compressor inlet)
- → max DGT up to +140°C (compressor outlet)
- Operates with HFO HT Refrigerants



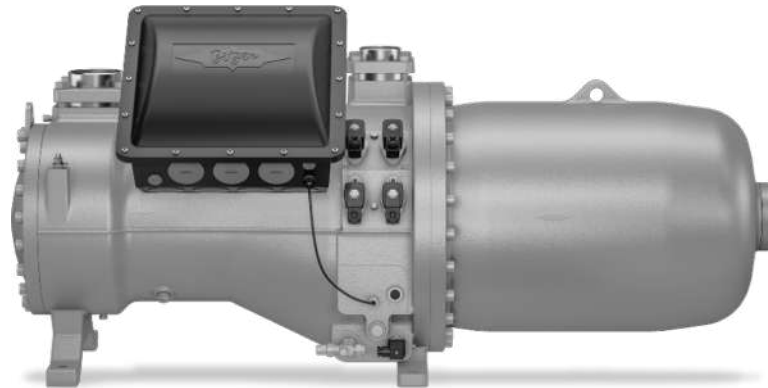
BITZER has started first field tests to gain more experience.

CSH2T NEW COMPRESSOR GENERATION FOR HT APPLICATIONS



// Field tests started with EEAB member Geelen Counterflow

- Hybrid dryers (gas + HP) for petfood and aquafeed
- Locations in South Korea (1200kWth), China (2400kWth) and Norway (3350kWth)
- Operating point to/tc = 35°C/122°C





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