

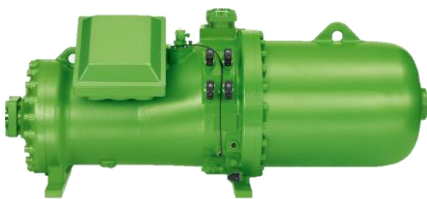


SALES INFORMATION

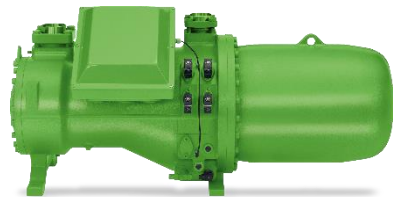
0174-2018 // 2018-Mar-12 // CSH.6 HIGH EFFICIENCY COMPACT COMPRESSOR

CSH.6

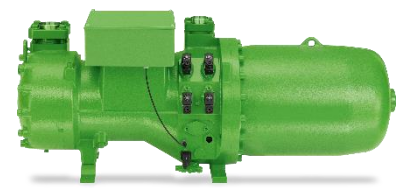
NEW HIGH EFFICIENCY COMPACT SCREW COMPRESSOR SERIES FOR USE IN AIR-COOLED A/C CHILLERS



CSH96..



CSH86..



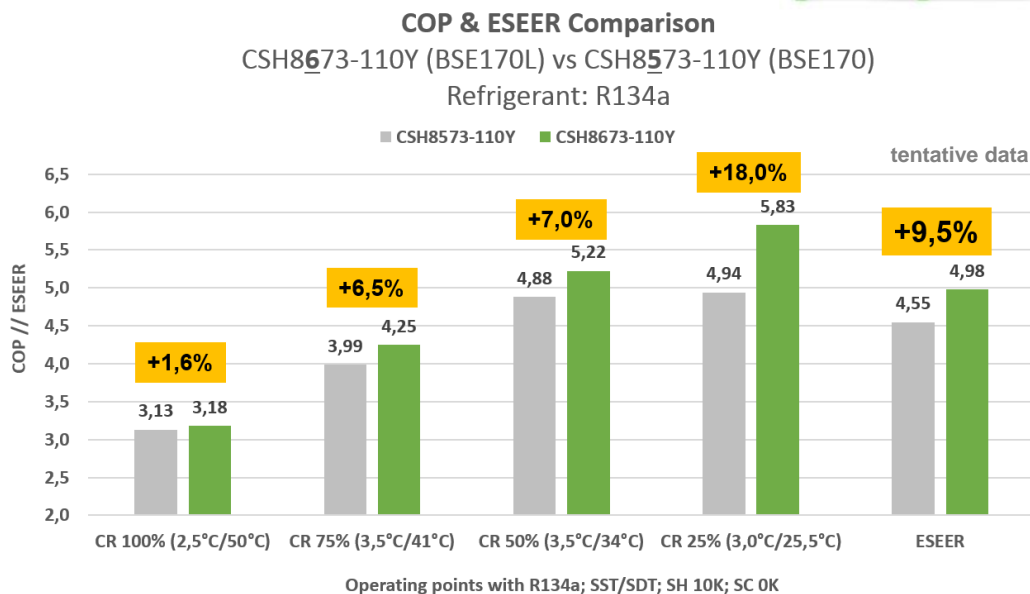
CSH76..

The new BITZER CSH.6 series enables OEM screw chiller manufactures to design and produce A/C chillers that fulfill the mandatory MEPS of the European Chiller Energy Efficiency Standard **EU 2016/2281 Tier 1** (into effect since 01. January 2018).

Note: The CSH.6 series is an extension of the product range for compact screw compressor and will not replace the standard CSH.5. The standard CSH.5 and its unique features is still available.

Efficiency comparison

Example: COP/ESEER new CSH8673-110Y vs Standard CSH8573-110Y





SALES INFORMATION

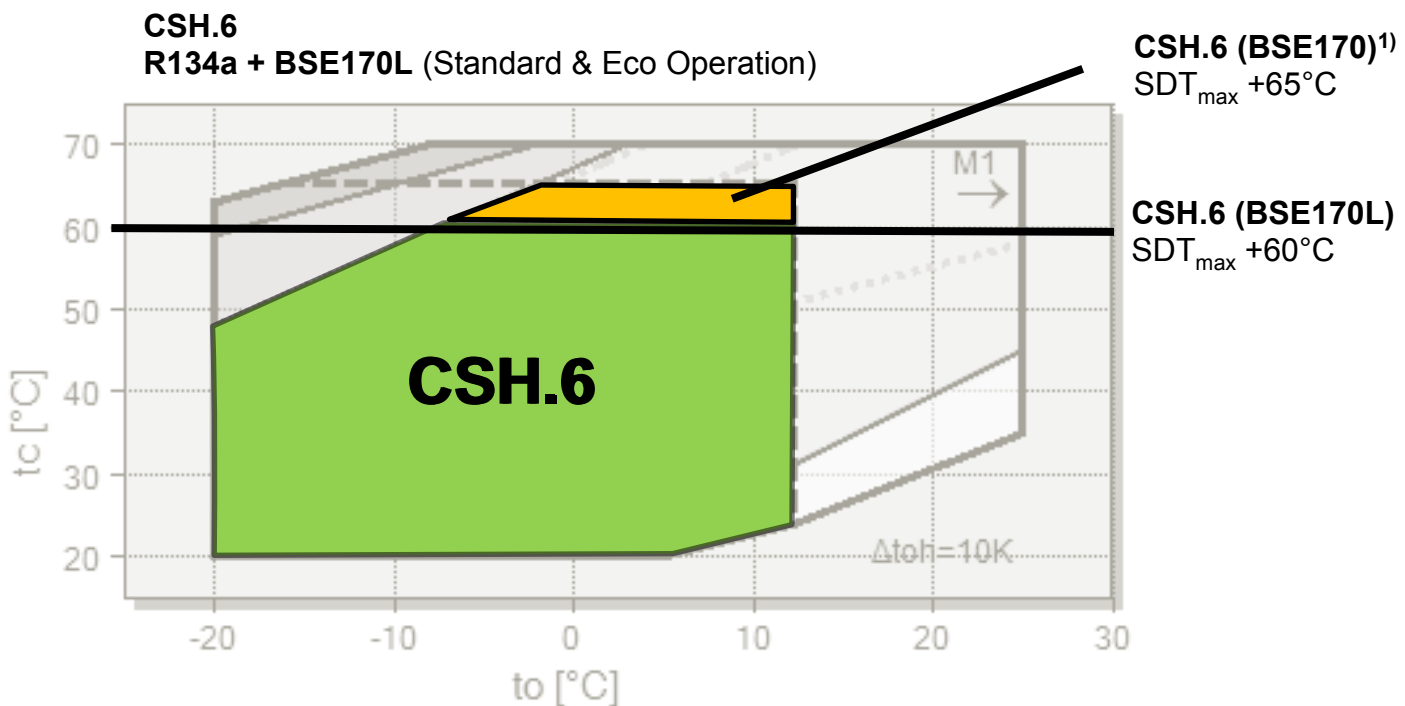
0174-2018 // 2018-Mar-12 // CSH.6 HIGH EFFICIENCY COMPACT COMPRESSOR

Product range

CSH96 series	Displacement m ³ /h at 50/60Hz	CSH86 series	Displacement m ³ /h at 50/60Hz	CSH76 series	Displacement m ³ /h at 50/60Hz
CSH96113-320Y	1120/1351				
CSH96103-280Y	1015/1225				
CSH9693-240Y	910/1098	CSH8693-140Y	535/646	CSH7693-90Y	336/406
CSH9683-210Y	805/972	CSH8683-125Y	470/567	CSH7683-80Y	295/356
CSH9673-180Y	700/845	CSH8673-110Y	410/495	CSH7673-70Y	258/311
CSH9663-160Y	615/742				

Application Envelope

The CSH.6 application envelope is adapted to generic operating conditions of air-cooled A/C chillers under the European Ecodesign Directive EU 2016/2281.



¹⁾ CSH.6 with BSE170: slightly reduced efficiency

Refrigerants

- R134a, R513A, R450A (Safety group A1)
- R1234ze(E), R1234yf (Safety group A2L)



SALES INFORMATION

0174-2018 // 2018-Mar-12 // CSH.6 HIGH EFFICIENCY COMPACT COMPRESSOR

Main features

- Volume ratio (Vi) adapted to generic operating conditions of A/C chiller designs under the Ecodesign Directive EU 2016/2281
- New optimized slider / pressure flange geometry-combination
- New optimized capacity slider geometry
 - Reduced internal pressure drop
- Low viscosity oil BSE170L as standard
 - Reduced internal friction
- Motor
 - Motor designed & adapted to air-cooled A/C chiller application
- Economiser operation

Selected accessories

- Wide variety of suction and discharge bushes and shut-off valves
- Motor for special voltages (see ST-410)
- Oil charge:
 - Standard BSE170L (SDT max +60°C)
 - Option BSE170 (SDT max +65°C)
- ECO adapter with shut-off valve
 - Fixed ECO-Port, full load only (CR=100%)
- Motor protection devices
 - Analog to CSH.5
- Sound jacket

Availability

- Start of order processing
 - March 2018 (MCE2018)