

# Approval Certificate



This is to certify, that the undernoted products have been approved in accordance with the relevant requirements of the GL Approval System.

Certificate No. 36 864 - 12 HH

Company Bitzer Kühlmaschinenbau GmbH  
Werk Rottenburg-Ergenzingen  
Mercedesstraße 24-28  
72108 Rottenburg, GERMANY

Product Semi-Hermetic Screw Compressor

Type HS85

Technical Data / Application  
Application Air Conditioning, Provision Cooling  
Cargo Refrigeration  
Refrigerant R134a, R407C, R404A, R507A, R22  
M.A.W.P. 28 bar

Casing Material EN-GJL-250 Spheroidal Graphite  
Screw Rotor Material EN-GJS-600-3, EN-GJS-500-7,  
EN-GJS-400-3 (only female rotor)

Performance- and technical data see manufacturers data sheet  
Compressors intended for essential services\* are to be subjected to a performance test at the manufacturer's works under supervision of GL and are to be presented for final inspection.

Approval Standard I-1-2 Seagoing ships - Machinery installations; Edition 2010  
I-1-10 Seagoing ships - Refrigerating Installations; Edition 2000

Documents General Drawing HS 8581/91, Dwg No: 200007432-00-002, 20000 7432-00-003  
Pressure relief valve P = 34 bar, Dwg No: 361106-020-7-07

Remarks \* Essential services: Cargo refrigerating installations and reliquefaction plants

Valid until 2017-01-30

File No. XI.B.10

**Germanischer Lloyd**

Hamburg, 2012-01-23

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