



# DET NORSKE VERITAS

## TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. **M-12357**

This is to certify that the  
**Refrigerant Compressor**

with type designation(s)

**CMO 24, CMO 26, CMO 28, CMO 34, CMO 36, CMO 38, TCMO 28, TCMO 38, , HPO 24, HPO 26, HPO 28**

Manufactured by

**Johnson Controls Denmark ApS**  
**Høbjerg, Denmark**

is found to comply with  
**Det Norske Veritas' Rules for Classification of Ships**

Application

**Type**

**CMO 24, CMO 26, CMO 28, CMO 34, CMO 36, CMO 38, TCMO 28, TCMO 38**

**HPO 24, HPO 26, HPO 28**

**Max. working press.:**

**HP (discharge side) : 28 bar LP  
(suction side) : 20 bar**

**HP (discharge side) : 50 bar LP  
(suction side) : 25 bar**

**Operating media**

**R22, R134A, R290, R404A, R407C,  
R600A, R717, R1270**

**R744, R507**

This Certificate is valid until **2017-12-31**.

Issued at **Høvik** on **2013-08-21**

DNV local station: **Aalborg**

Approval Engineer: **Svein-Olav Hannevik**

for **Det Norske Veritas AS**



Digitally Signed By: **Sollie, Terje**

Location: **DNV Høvik, Norway**

Signing Date: **21.08.2013** on behalf of

**Torbjørn Lie**  
**Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.