

# TYPE APPROVAL CERTIFICATE

**This is to certify:****That the Air Compressor**

with type designation(s)

**5207, 5209, 5212.mk2 and 5236.mk2, 5417, 5437 and 5437.8B2, 5437**

Issued to

**Gardner Denver Ltd****Bradford, West Yorkshire, United Kingdom**

is found to comply with

**DNV GL rules for classification – High speed and light craft****DNV GL rules for classification – Ships****Application :****Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.****Type****5207, 5209, 5212.mk2 and 5236.mk2  
5417, 5437 and 5437.8B2  
5437****Max. working press.:****40 Bar G  
350 Bar G  
300 Bar G****Operating media:****Air  
Air  
Heliox**Issued at **Høvik** on **2018-11-22**This Certificate is valid until **2023-06-30**.for **DNV GL**DNV GL local station: **Manchester**Approval Engineer: **Tage Olav Alexander Strøm****Oddvar Deinboll  
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.



Job Id: **262.1-010686-3**  
Certificate No: **TAM000010W**

## Product description

Reciprocating Air Compressors

Type: 5437, and 5437.8B2

Type: 5207, 5209, 5212.mk2, 5236.mk2 and 5417.

## Application/Limitation

Operating medium: Air / Heliox

Safety valve set value[barg]:

| Type                  | <b>5437 Air</b> | <b>5437 Heliox</b> | <b>5437.8B2 Air</b> |
|-----------------------|-----------------|--------------------|---------------------|
| 1 <sup>st</sup> stage | 3,8             | 10                 | Na                  |
| 2 <sup>nd</sup> stage | 24              | 44                 | 44                  |
| 3 <sup>rd</sup> stage | 117             | 165                | 165                 |
| 4 <sup>th</sup> stage | 385             | 330                | 385                 |

Operating medium: Air

| Type                  | <b>5207</b> | <b>5209</b> | <b>5212m k2</b> | <b>5236 Mk2</b> | <b>5417</b> |
|-----------------------|-------------|-------------|-----------------|-----------------|-------------|
| 1 <sup>st</sup> stage | 6,9         | 6,9         | 7,1             | 6,3             | 4,5         |
| 2 <sup>nd</sup> stage | 44          | 44          | 44              | 44              | 24          |
| 3 <sup>rd</sup> stage |             |             |                 |                 | 100         |
| 4 <sup>th</sup> stage |             |             |                 |                 | 385         |

## Type Approval documentation

### Marking of product

The product shall be marked with manufacturer's name or trademark and type number identification.

### Periodical assessment

For retention of the type approval, a DNV GL surveyor shall perform an assessment after 2 years and after 3.5 years, to verify that the conditions of the type approval are complied with. A renewal assessment will be performed at renewal of the certificate.

In cases where the type approved product is manufactured at other companies, the periodical assessment shall verify that the type approval applicant has a quality control system for consistent production at their licensees/subcontractors. Furthermore, periodical assessment shall be carried out randomly at these companies.

### Other conditions

The approval does not include the prime mover

END OF CERTIFICATE