

# EC TYPE-EXAMINATION CERTIFICATE

Application of the  
Council Directive 97/23/EC of 29 May 1997 on Pressure Equipment, as amended, and Swedish ordinance AFS 1999:4

CERTIFICATE NO.: **13-608257-00**

This Certificate consists of 2 pages

THIS IS TO CERTIFY THAT THE EQUIPMENT

**Pressure vessel**

WITH THE TYPE DESIGNATION/EQUIPMENT DESCRIPTION

**Getinge HS33-60**

MANUFACTURED BY

**Getinge Skärhamn AB**

is found to comply with the requirements in Annex I, Essential Safety Requirements  
and EN13445:2009 + C4:2012

The equipment has been examined with respect to the procedure of conformity assessment as  
described in Module B

APPLICATIONS

Equipment Category: I

Design Pressure min/max: -1/2.7 bar(g)

Design Temp. range: 0-140 °C

Fluid: Steam

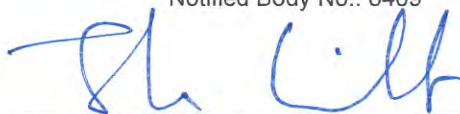
Further details of the product and conditions for the certification are given overleaf.

This Certificate is valid until: 2023-03-21

MÖLNDAL, 2013-03-21

**Inspecta Sweden AB**

Notified Body No.: 0409



Johan Lidström

Design Review Engineer

Notice: The statement is subject to terms and conditions, if any, overleaf. Any significant changes in design or construction of the product, the quality system or amendments to the AFS 1999:4 (Directive 97/23/EC) or Standards referenced above may render this statement invalid. The product liability rests with the manufacturer or his representative in accordance with the AFS 1999:4 (Directive 97/23/EC), as amended.

## EC TYPE-EXAMINATION CERTIFICATE

CERTIFICATE NO.: 13-608257-00

### TYPE APPROVAL DOCUMENTS

Drawings:

4839387 rev. -	4837301 rev. I	4839820 rev. -	4839821 rev. -
48320083 rev. -	-----	-----	-----

PMA: DNV PMA Sheet/Plate/Strip according to EN12392 EN AW-5754 condition H 111, DNV PMA A2-70 according to EN-ISO 3506 rev. 1.

WPQR: 271KAB683 rev. 1, DEKRA-1945, DEKRA-1946

### SUPPORTING DOCUMENTS

WPS: Trestad Laser AB: WPS 5392, WPS 5407, WPS 5428, WPS 12001

Getinge HS33-100 User manual

- Operating instructions <sup>1)</sup> Yes  No  rev. D
- Risk analysis <sup>1)</sup> Yes  No  HS33 100 PV riskanalys

### LIMITATIONS

### SCOPE OF DESIGN REVIEW

Permanent joining <sup>1)</sup>

- Welding – methods (procedures) Yes  See above
- Welding – personnel approval Yes  No
- Non destructive testing – personnel approval Yes  No

Additional load cases

- External loads Yes  No
- Fatigue <sup>2)</sup> Yes  No  50 000 cykles -1.0 to 2.3 barg
- Design temperature within creep range Yes  No

### TESTS CARRIED OUT

MÖLNDAL, 2013-03-21

**Inspecta Sweden AB**

Jacob Persson  
Design Review Engineer

#### Notes:

- 1) Items not included in the scope of design review shall be verified by an inspector of the Notified Body that issues the final certificate.
- 2) If fatigue has not been taken into account, the max. no. of cycles shall be verified according to the relevant design standard.