



Confirmation of Product Type Approval

Company Name: GALI INTERNACIONAL, S.A.

Address: P.I. MAS D'EN CISAJOSEP TURA, 508181-SENTMENAT BARCELONA Spain

Product: Starter, Pneumatic

Model(s): A15, A17, A25, A27, A28, A45, A47, A47Z, A48, S30, S38

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	25-0035694-PDA	22-JUL-2025	21-JUL-2030
Manufacturing Assessment (MA)	23-5602253	09-JAN-2023	18-DEC-2027
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

Air Starter for Internal Combustion Engines and Gas Turbines.

Description

Pneumatic air starter for motor ratings as per details in the field ratings.

Ratings

A15 :

Maximum Working Pressure: 30 bar

Maximum Power: 15 kW @4000 rpm

Maximum Torque: 66 Nm @0 rpm

A17:

Maximum Working Pressure: 40 bar

Maximum Power: 16.5 kW @4000 rpm

Maximum Torque: 88 Nm @0 rpm

A25:

Maximum Working Pressure: 30 bar

Maximum Power: 25 kW @3500 rpm

Maximum Torque: 133 Nm @0 rpm

A27:

Maximum Working Pressure: 40 bar

Maximum Power: 30 kW @2800 rpm

Maximum Torque: 188 Nm @0 rpm

A28:

Maximum Working Pressure: 30 bar

Maximum Power: 27 kW @2750 rpm

Maximum Torque: 225 Nm @0 rpm

A45:

Maximum Working Pressure: 30 bar

Maximum Power: 66 kW @2300 rpm

Maximum Torque: 540 Nm @0 rpm

A47:

Maximum Working Pressure: 30 bar

Maximum Power: 66 kW @2300 rpm

Maximum Torque: 540 Nm @0 rpm

A47Z:

Maximum Working Pressure: 30 bar

Maximum Power: 66 kW @2300 rpm

Maximum Torque: 540 Nm @0 rpm

A48:

Maximum Working Pressure: 40 bar

Maximum Power: 95 kW @2200 rpm

Maximum Torque: 925 Nm @0 rpm

S30:

Maximum Working Pressure: 30 bar

Maximum Power: 41.5 kW @2500 rpm

Maximum Torque: 305 Nm @0 rpm

S38:

Maximum Working Pressure: 30 bar

Maximum Power: 42 kW @2500 rpm

Maximum Torque: 360 Nm @0 rpm

Service Restrictions

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

Comments

- The matching of the Engine and Air Starter must be conducted by the part responsible for the Engine's Systems, considering the performance curves and their minimums, to ensure the Air Starter System complies with ABS Rules for Building and Classing Marine Vessels (MVR) 4-6-5/9 and ABS Rules for Building and Classing Offshore Units (OR) 4-2-6/9.

- The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes, Drawings and Documentation

Drawing No. 5115068, Pressure part, Revision: 0, Pages: 1

Drawing No. 5125068, Pressure part, Revision: 0, Pages: 1

Drawing No. 51306403, Pressure part, Revision: 0, Pages: 1

Drawing No. 5145068, Pressure part, Revision: 0, Pages: 1

Drawing No. 5147068, Pressure part, Revision: 0, Pages: 1

Drawing No. 5148000-DCO, 5148000-DCO, Revision: -, Pages: -

Drawing No. 5148000-DCO, 5148000-DCO, Revision: 0, Pages: 1

Drawing No. A15-A17, A15-A17, Revision: -, Pages: -

Drawing No. A25-A27, A25-A27, Revision: -, Pages: -

Drawing No. A45, A45, Revision: -, Pages: -

Drawing No. A45-prototype-test, A45-prototype-test, Revision: -, Pages: -

Drawing No. A47-A47Z-A48, A47-A47Z-A48, Revision: -, Pages: -

Drawing No. A47Z-test-picture, A47Z-test-picture, Revision: -, Pages: -

Drawing No. Inlet bends, Inlet bends, Revision: -, Pages: -

Drawing No. Test device, Test device, Revision: -, Pages: -

Drawing No. 5115-PDS, Pneumatic Starter A15 - Performance Data, Revision: A, Pages: 1

Drawing No. 5117-PDS, Pneumatic Starter A17 - Performance Data, Revision: B, Pages: 1

Drawing No. 5125-PDS, Pneumatic Starter A25 - Performance Data, Revision: A, Pages: 1

Drawing No. 5127-PDS , Pneumatic Starter A27 - Performance Data , Revision: C, Pages: 1

Drawing No. 5148-PDS, Pneumatic Starter A48 - Performance Data, Revision: B, Pages: 1

Drawing No. 5218-DCO, A28 CW / CCW AIR STARTER, Revision: RD, Pages: 1

Drawing No. 5125068, INLET BEND, Revision: RA, Pages: 1

Drawing No. 5127134, MAIN VALVE HOUSING (CW), Revision: RA, Pages: 1

Drawing No. 5127180, EXHAUST ELBOW, Revision: RA, Pages: 1

Drawing No. 5127634, MAIN VALVE HOUSING (CCW), Revision: RA, Pages: 1

Drawing No. 5128001, INTERMEDIATE BODY, Revision: RA, Pages: 1

Drawing No. 5128124, MOTOR BODY (CW), Revision: RA, Pages: 1

Drawing No. 5128601, INTERMEDIATE BODY (CCW), Revision: RA, Pages: 1

Drawing No. 5128624, MOTOR BODY (CCW), Revision: RA, Pages: 1

Documents No. 5115068-A, Pressure test instruction, Revision: 0, Pages: 1

Documents No. 5125068-A, Pressure test instruction, Revision: 0, Pages: 1

Documents No. 51306403-A, Pressure test instruction, Revision: 0, Pages: 1

Documents No. 5145068-A, Pressure test instruction, Revision: 0, Pages: 1

Documents No. 5147068-A, Pressure test instruction, Revision: 0, Pages: 1

Documents No. A15-test-picture, A15-test-picture, Revision: -, Pages: -

Documents No. A17-test-picture, A17-test-picture, Revision: -, Pages: -

Documents No. A25-test-picture, A25-test-picture, Revision: -, Pages: -

Documents No. A27-test-picture, A27-test-picture, Revision: -, Pages: -

Documents No. A45-test-picture, A45-test-picture, Revision: -, Pages: -

Document No. -, Test English Description, Revision: B, Pages: 4

Test No. A15-A17 pressure tests at GALI dated 18 Jan 2019, A15-A17 pressure tests, Revision: -, Pages: -

Test No. A15-prototype-test at GALI dated 18 Jan 2019, A15-prototype-test, Revision: -, Pages: -

Test No. A17-prototype-test at GALI dated 18 Jan 2019, A17-prototype-test, Revision: -, Pages: -

Test No. A25-A27 pressure tests at GALI dated 18 Jan 2019, A25-A27 pressure tests, Revision: -, Pages: -

Test No. A25-prototype-test at GALI dated 18 Jan 2019, A17-prototype-test, Revision: -, Pages: -

Test No. A27-prototype-test at GALI dated 18Jan 2019, A27-prototype-test, Revision: -, Pages: -

Test No. A45 pressure tests at GALI dated 18 Jan 2019, A45 pressure tests , Revision: -, Pages: -

Test No. A47-A47Z-A48 pressure tests at GALI dated 18 Jan 2019, A47-A47Z-A48 pressure tests, Revision: -, Pages: -

Test No. A47Z-prototype-test at GALI dated 18 Jan 2019, A47Z-prototype-test, Revision: -, Pages: -

Test No. A48-prototype-test at GALI dated 18 Jan 2019, A48-prototype-test, Revision: -, Pages: -

Test No. 250430HM-D-C31-01_231_1, PNEUMATIC STARTER TEST REPORT / EN 10204 3.1 (14 May 2025) at GALI INTERNACIONAL S.A. [C/Josep Tura, 5; 08181 Sentmenat (Barcelona); SPAIN], Revision: 0, Pages: 1

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 21/Jul/2030 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

ABS Rules

2025 ABS Rules for Conditions of Classification, 1A-1-4/7.7, 1A-1-A3, 1A-1-A4, which covers the following:

2025 ABS Rules for Building and Classing Marine Vessels (MVR), 4-6-5/9.1, 4-6-5/9.3, 4-6-5/9.5, 4-6-5/9.7, 4-6-5/9.9, 4-6-5/9.11.

2025 Rules for Conditions of Classification, 1B-1-4/9.7, 1B-1-A2, 1B-1-A3, which covers the following:

2025 ABS Rules for Building and Classing Offshore Units (OR): 4-2-6/9.1, 4-2-6/9.3, 4-2-6/9.5, 4-2-6/9.7, 4-2-6/9.9, 4-2-6/9.11.

International Standards

NA

EU-MED Standards

NA

National Standards

NA

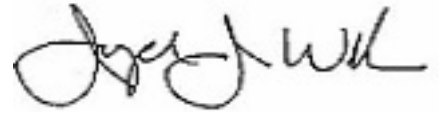
Government Standards

NA

Other Standards

NA





Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 08-Sep-2025 5:04

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.