

FORM H-2 MANUFACTURER'S DATA REPORT FOR ALL TYPES OF BOILERS  
EXCEPT WATERTUBE AND THOSE MADE OF CAST IRON  
As Required by the Provisions of the ASME Code Rules, Section IV

Page 1 of 2

1. Manufactured and certified by Lochinvar, LLC, 300 Maddox Simpson Parkway, Lebanon, Tennessee, 37090  
(name and address of manufacturer)

2. Manufactured for STOCK  
(name and address of purchaser)

3. Location of installation UNKNOWN  
(name and address)

4. Unit identification HEX ASSY,ASME,FB2501 (OF2.5) 20362589 thru 20362590 L1294.1234567890 100287447 (100311141) 362589-362590 2020  
(complete boiler, superheater, (manufacturer's serial no.) (CRN) (drawing no.) (National Bd. no.) (year built)  
waterwall, economizer, etc.)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design conforms to ASME Code, Section IV, 2019 N/A  
(year) [addenda (as applicable) (date)] (Code Case no.)

Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report

(name of part, item number, manufacturer's name, and identifying stamp)

6. Shells or drums 1 SA516-70 0.250" 2' 8.25" 4' 11.74" N/A N/A  
(no.) (material spec., gr.) (thickness) (inside diameter) [length (overall)] (inside diameter) [length (overall)]

7. Joints WELDED 85% WELDED 1  
[long. (seamless, welded)] [eff. (compared to seamless)] [girth (seamless, welded)] (no. of shell courses)

8. Tubesheet SA240-316L 0.375" Tube holes 138 (1.684")  
(material spec., grade) (thickness) (number and diameter)

9. Tubes: No. 138 SA249-316L U Diameter 1.66" Length 45.725" Gauge 0.039"  
(material spec., grade) (straight or bent) (if various, give max. and min.) (or thickness)

10. Heads SA516-70 0.375" FLAT N/A  
(material spec. no.) (thickness) (flat, dished, ellipsoidal) (radius of dish)

11. Furnace SA240-316L 0.375" 1 30.67" 14.25" 14.25" PLAIN Seams WELDED  
(material spec., gr.) (thickness) (no.) [size (O.D. or W x H)] [length (each section)] (total) [type (plain, corrugated, etc.)] [type (seamless, welded)]

12. Staybolts N/A  
(no.) [size (diameter)] (material spec., gr.) (size) (telltale) (net area) [pitch (horizontal and vertical)] (MAWP)

13. Stays or braces:

Location	Material Spec.	Type	Number and Size	Pitch	Total Net Area	Fig. HG-343 L/I	Dist. Tubes to Shell	MAWP
(a) F.H. above tubes								N/A
(b) R.H. above tubes								N/A
(c) F.H. below tubes								N/A
(d) R.H. below tubes								N/A
(e) Through stays								N/A

14. Other parts: 1. N/A 2. N/A 3. N/A  
(brief description, i.e. dome, boiler piping)

1. N/A

2. N/A

3. N/A  
(material spec., grade, size, material thickness, MAWP)

15. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	No.	Diameter or Size	Type	How Attached	Material	Nominal Thickness	Reinforcement Material	Location
Handhole	N/A		NA		NA			
Manhole	N/A							
CLEANOUT	1	1 1/2" NPT	COUPLING	WELDED	SA105,3M	3000#	NONE	SHELL
RELIEF	1	1 1/2" NPT	COUPLING	WELDED	SA105,3M	3000#	NONE	OUTLET
OUTLET	1	4" NPS	PIPE	WELDED	ERW SA53-B.	SCH. 40	NONE	SHELL
INLET	1	4" NPS	PIPE	WELDED	ERW SA53-B.	SCH. 40	NONE	SHELL
DRAIN	1	1 1/2" NPT	COUPLING	WELDED	SA105,3M	3000#	NONE	SHELL
SPARE	1	3/8" NPT	COUPLING	WELDED	SA182,3M	3000#	NONE	SHELL
SPARE	2	4" NPS	B. FLANGE	WELDED	SA105	150#	NONE	INLET/OUTLET PIPE
SPARE	2	3/8" NPT	COUPLING	WELDED	SA105,3M	3000#	NONE	OUTLET

Additional Nozzles - See Attached H-6...

Manufactured by **Lochinvar, LLC, 300 Maddox Simpson Parkway, Lebanon, Tennessee, 37090**Mfr's Serial No. **20362589 thru 20362590**National Board No. **362589-362590**

16. Boiler supports 2 LUGS WELDED  
 (no.) [type (saddles, legs, lugs)] [attachment (bolted or welded)]

17. MAWP 160 psi Based on SEC. IV, HG-301.1 Heating surface 241.0 sq. ft. Shop hydro. test 240 psi  
 (Code par. and/or formula) (total) (complete boiler)

18. Maximum water temperature 210° F

19. Remarks **Lochinvar Engineering Drawing No. 2000538470 Rev. G**  
**Gussets - P1 Welded**  
**Water Baffle/ SA240, UNS531603/ Welded to Furnace on water side.**  
**Bracket, Blower Attachment/ SA1011-CS (TYPE B)/ Welded to Shell.**  
**-WATER IN/OUT CONNECTION IS CONSIDERED AS A WELDING END CONNECTION ACC. TO ASME SEC. IV PREAMBLE. WATER**  
**IN/OUT CONNECTION IS WELDED TO AN ADDITIONAL PIPE ENDED WITH ASME B16.5 FLANGE 4" (SA105 FFSO,150#)**  
**FLANGE WELDED TO PIPE ACC TO FIG. 2-4 (3a) ASME SEC. VIII, DIV 1, EDITION 2017**  
**- RELIEF VALVE CONNECTION IS LOCATED AT OUTLET FLANGE CONNECTION.**  
**- BOILER IS SUPPLIED WITHOUT ANY ADDITIONAL INSTRUMENTS, FITTINGS AND CONTROLS WHICH ARE REQUIRED ACC.**  
**TO ASME SEC. IV ARTICLE 6. ALL OF THEM SHALL BE INSTALLED BY CUSTOMER PRIOR TO OPERATION.**  
**- WASHOUT OPENINGS SHALL BE CLOSED BY A REMOVABLE PLUG OR PIPING TO ALLOW INSPECTION. 1-1/2" NPT PIPE**  
**FITTINGS IN ACCORDANCE WITH ANSI/ASME B1634/ASTM A126 (CLASS 125 AT 210F) OR 1-1/2" NPT SCH. 40 PIPE**  
**(SA53, GR. B) MAY BE USED.**

### CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this data report are correct and that all details of design, material, construction, and workmanship of this boiler conform to Section IV of the ASME BOILER AND PRESSURE VESSEL CODE.

"H" Certificate of Authorization no. 26858 expires January 22, 2022

Date 11/09/2020 Signed *Stephen White* Name Lochinvar, LLC  
 (by representative) (manufacturer that constructed and certified boiler)

### CERTIFICATE OF SHOP INSPECTION

Boiler constructed by Lochinvar, LLC at 300 Maddox Simpson Parkway, Lebanon, Tennessee, 37090  
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and employed by OneCIS Insurance Company  
 have inspected parts of this boiler referred to as data items 5,6,7,8,11,12

and have examined this Manufacturer's Partial Data Reports for items \_\_\_\_\_  
 and state that, to the best of my knowledge and belief, the manufacturer has constructed this boiler in accordance with the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the boiler described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 11/11/2020 Signed *Kurt S. Saffner* Commission: 14320  
 (Authorized Inspector) (National Board Authorized Inspector Commission Number)

### CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the field assembly construction of all parts of this boiler conforms with the requirements of SECTION IV of the ASME BOILER AND PRESSURE VESSEL CODE.

"H" Certificate of Authorization no. \_\_\_\_\_ expires \_\_\_\_\_

Date \_\_\_\_\_ Signed \_\_\_\_\_ Name \_\_\_\_\_  
 (by representative) (assembler that certified and constructed field assembly)

### CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and employed by \_\_\_\_\_

have compared the statements in this Manufacturer's Data Report with the described boiler and state that the parts referred to as data items \_\_\_\_\_, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief, the manufacturer and/or the assembler has constructed and assembled this boiler in accordance with the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE. The described boiler was inspected and subjected to a hydrostatic test of \_\_\_\_\_.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the boiler described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date \_\_\_\_\_ Signed \_\_\_\_\_ Commission \_\_\_\_\_  
 (Authorized Inspector) (National Board Authorized Inspector Commission Number)

Form and version: H2-13

FORM H-6 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET  
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section IV

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(manufacturer's serial no.)

L1294.1234567890NTY 100287447 (100311141) 362589-362590 2020  
(CRN) (drawing no.) (National Board no.) (year built)

Data Report Item Number	Remarks
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15. Nozzles, inspection and safety valve openings: (cont'd.)

Purpose (inlet, outlet, drain, etc.)	No.	Diameter or Size	Type	How Attached	Material	Nominal Thickness	Reinforcement Material	Location
SPARE	2	3/4" NPT	COUPLING	WELDED	SA105,3M	3000#	NONE	OUTLET
SPARE	1	1/2" NPT	COUPLING	WELDED	SA105,3M	3000#	NONE	OUTLET
SPARE	1	3/8" NPT	COUPLING	WELDED	SA105,3M	3000#	NONE	INLET

Certificate of Authorization: Type H No. 26858

Expires January 22, 2022

Date 11/09/2020 Name Lochinvar, LLC  
(manufacturer)

Signed Stephen White

Date 11/11/2020 Name Kurt D. Stiffman  
(authorized inspector)

Commission 14320  
(National Board Authorized Inspector Commission Number)