TECHNICAL DATA SHEET

FBE Series:
FB-012-E

12 kW
Electric Steam Boiler

Fulton's FBE is a compact and reliable electric steam boiler capable of producing high-quality steam with nearly 100% efficiency. It is a clean running, combustion-free boiler with an ASME-M Stamp "Miniature Boiler" Certification. The compact design allows for use in small installation locations. The FBE is best used in applications that require high quality steam and a highly efficient boiler.

STANDARD FEATURES:

- Vertical heat exchanger
- Thick wall construction
- 99% Operating efficiences
- 100 PSIG maximum allowable working pressure
- Can be trimmed 15, 50, or 100 PSIG
- Operating and high pressure limit switches
- NEMA 1 enclosure with locking electrical panel
- Zero NOx emissions
- Incoloy elements
- Stainless steel cabinet
- Low water light
- MM-150 float type level control
- MM-150 PLWCO with auto reset
- Probe type ALWCO with manual reset
- 5 year pressure vessel warranty expandable up to 10 years**

OPTIONS:

- ☐ Element step sequencer
- ☐ Stainless steel pressure vessel
- ☐ Auto bottom blowdown
- ☐ Boiler alarm package
- ☐ Control circuit transformer
- ☐
- ☐
- ☐

PROJECT DETAILS:

Project Name		City, State (Province)	
Date Submitted		Engineer of Record	
Fulton Representative		Contractor	

LISTINGS & COMPLIANCE:

- ASME Section I code, "M" stamp
- UL approved
- CSD-1 and CSA Controls
- Exceeds AHRAE 90.1 efficiency requirements

TRIM KIT ITEMS:

- ASME Safety Relief Valve
- Pressure Gauge
- Installation, Operation and Maintenance Manual
- Gauge Glass and Protector Rods

NOTE:
Information provided in this document is based on standard boiler configurations only. Custom configurations may result in deviations.
** With engineered system per Fulton warranty statement

CAPACITIES:

FBE		FB-012-E
Unit Size	**HP**	**1.2**
	kW	**12**
Rated Output	**BTU/hr**	**40,840**
Steam Output F&A 212 F 0 PSIG	**lbs/hr**	**42**
	kg/hr	*19*

CONNECTION SIZES:

FBE		FB-012-E	
Trim		**15 PSI**	**100 PSI**
Steam Outlet	**inches**	**1/2**	**1/2**
	mm	*13*	*13*
Feedwater Inlet	**inches**	**1/2**	**1/2**
	mm	*13*	*13*
Bottom Blowdown	**inches**	**1**	**1**
	mm	*25*	*25*
Water Column Drain	**inches**	**1**	**1**
	mm	*25*	*25*
Safety Valve Inlet x Outlet	**inches**	**1/2 x 3/4**	**3/4 x 1**
	mm	*13 x 19*	*19 x 25*

ELECTRICAL REQUIREMENTS:

FBE		FB-012-E				
Electrical Supply	**Volts**	**208**	**240**	**380**	**480**	**575**
	ø	*3*	*3*	*3*	*3*	*3*
	Hz	*60*	*60*	*60*	*60*	*60*
Short Circuit Current Rating	**Amps**	**5,000**	**5,000**	**5,000**	**5,000**	**5,000**
NEMA Rating		**1**	**1**	**1**	**1**	**1**
Full Load Amps (FLA)*	**Amps**	**34**	**29**	**19**	**15**	**12**

*FLA is subject to change based on options, consult factory for job specific FLA

WEIGHTS & VOLUMES:

FBE		FB-012-E
Water Capacity	**gallons**	**4**
	liters	*15*
Dry Weight	**lbs**	**151**
	kg	*68*
Operating Weight	**lbs**	**184**
	kg	*82*

ELEMENTS:

FBE	FB-012-E
Number Of Elements:	**QTY (1)** **12 KW**

DIMENSIONS:
Refer to the Product Data Submittal Drawing for dimensions.