

Power Plant Boiler Market Report by Type (Pulverized Fuel Boiler, Circulation Fluidized Bed Boiler, and Others), Technology (Subcritical, Supercritical, Ultra-Supercritical), Fuel Type (Coal, Oil, Gas, and Others), Input Capacity (250 MMBtu/Hr), and Region 2024-2032

<https://marketpublishers.com/r/P3FD638F1105EN.html>

Date: April 2024

Pages: 138

Price: US\$ 3,899.00 (Single User License)

ID: P3FD638F1105EN

Abstracts

The global power plant boiler market size reached US\$ 19.9 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 28.5 Billion by 2032, exhibiting a growth rate (CAGR) of 3.9% during 2024-2032.

A power plant boiler is a type of mechanical equipment that produces steam by heating water and utilizes it to generate energy. The boiler is incorporated in a furnace that burns fossil fuels and creates heat which gets transferred to water to form steam. Over the years, the efficiency of these boilers has increased significantly, with some systems having a fuel-to-steam efficiency as high as 90%. The shape and size of these boilers depend upon their utility and they are primarily installed in power stations and industries with steam-based or hot water operations. The different types of power plant boilers include circulating fluidized boilers, multi-tube boilers and pulverized boilers, each having their distinct purpose and application.

The rising energy demand across the globe is a key factor driving the growth of the market. To meet this ever-increasing demand, governments of various nations are heavily investing in the development of existing power plants and the construction of new facilities. Rapid urbanization, coupled with industrialization in the emerging

countries, has further fueled the demand for power plant boilers. Additionally, growing concerns for carbon emissions, along with an increasing demand for highly efficient energy solutions, have led to technological advancements in the manufacturing and functioning of boilers. Moreover, increasing reliance on electronic appliances such as air conditioners, microwave ovens, and washing machines has increased the energy requirements in both developing and developed nations, which is projected to boost the product demand further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global power plant boiler market report, along with forecasts at the global and regional level from 2024-2032. Our report has categorized the market based on type, technology, fuel type and input capacity.

Breakup by Type:

- Pulverized Fuel Boiler
- Circulation Fluidized Bed Boiler
- Others

Breakup by Technology:

- Subcritical
- Supercritical
- Ultra-Supercritical

Breakup by Fuel Type:

- Coal
- Oil
- Gas
- Others

Breakup by Input Capacity:

- 10-50 MMBtu/Hr
- 50-100 MMBtu/Hr
- 100-250 MMBtu/Hr
- > 250 MMBtu/Hr

Breakup by Region:

North America

Asia Pacific

Europe

Middle East and Africa

Latin America

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Babcock & Wilcox, AMEC Foster Wheeler, Dongfang Electric, General Electric, Doosan Heavy Industries & Construction, BHEL, Mitsubishi Hitachi Power Systems, Siemens, IHI Corporation, Thermax, etc.

Key Questions Answered in This Report

1. How big is the global power plant boiler market?
2. What is the expected growth rate of the global power plant boiler market during 2024-2032?
3. What are the key factors driving the global power plant boiler market?
4. What has been the impact of COVID-19 on the global power plant boiler market?
5. What is the breakup of the global power plant boiler market based on the type?
6. What is the breakup of the global power plant boiler market based on the technology?
7. What is the breakup of the global power plant boiler market based on fuel type?
8. What are the key regions in the global power plant boiler market?
9. Who are the key players/companies in the global power plant boiler market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL POWER PLANT BOILER MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Breakup by Type
- 5.5 Market Breakup by Technology
- 5.6 Market Breakup by Fuel Type
- 5.7 Market Breakup by Input Capacity
- 5.8 Market Breakup by Region
- 5.9 Market Forecast

6 MARKET BREAKUP BY TYPE

- 6.1 Pulverized Fuel Boiler
 - 6.1.1 Market Trends

- 6.1.2 Market Forecast
- 6.2 Circulation Fluidized Bed Boiler
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Others
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast

7 MARKET BREAKUP BY TECHNOLOGY

- 7.1 Subcritical
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Supercritical
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Ultra-Supercritical
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast

8 MARKET BREAKUP BY FUEL TYPE

- 8.1 Coal
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Oil
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Gas
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Others
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast

9 MARKET BREAKUP BY INPUT CAPACITY

- 9.1 9.1.1 Market Trends
- 9.1.2 Market Forecast

9.2 10-50 MMBtu/Hr

9.2.1 Market Trends

9.2.2 Market Forecast

9.3 50-100 MMBtu/Hr

9.3.1 Market Trends

9.3.2 Market Forecast

9.4 100-250 MMBtu/Hr

9.4.1 Market Trends

9.4.2 Market Forecast

9.5 > 250 MMBtu/Hr

9.5.1 Market Trends

9.5.2 Market Forecast

10 MARKET BREAKUP BY REGION

10.1 North America

10.1.1 Market Trends

10.1.2 Market Forecast

10.2 Asia Pacific

10.2.1 Market Trends

10.2.2 Market Forecast

10.3 Europe

10.3.1 Market Trends

10.3.2 Market Forecast

10.4 Middle East and Africa

10.4.1 Market Trends

10.4.2 Market Forecast

10.5 Latin America

10.5.1 Market Trends

10.5.2 Market Forecast

11 SWOT ANALYSIS

11.1 Overview

11.2 Strengths

11.3 Weaknesses

11.4 Opportunities

11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTER'S FIVE FORCES ANALYSIS

- 13.1 Overview
- 13.2 Bargaining Power of Buyers
- 13.3 Bargaining Power of Suppliers
- 13.4 Degree of Competition
- 13.5 Threat of New Entrants
- 13.6 Threat of Substitutes

14 PRICE ANALYSIS

15 COMPETITIVE LANDSCAPE

- 15.1 Market Structure
- 15.2 Key Players
- 15.3 Profiles of Key Players
 - 15.3.1 Babcock & Wilcox
 - 15.3.2 AMEC Foster Wheeler
 - 15.3.3 Dongfang Electric
 - 15.3.4 General Electric
 - 15.3.5 Doosan Heavy Industries & Construction
 - 15.3.6 BHEL
 - 15.3.7 Mitsubishi Hitachi Power Systems
 - 15.3.8 Siemens
 - 15.3.9 IHI Corporation
 - 15.3.10 Thermax

List Of Tables

LIST OF TABLES

Table 1: Global: Power Plant Boiler Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Power Plant Boiler Market Forecast: Breakup by Type (in Billion US\$), 2024-2032

Table 3: Global: Power Plant Boiler Market Forecast: Breakup by Technology (in Billion US\$), 2024-2032

Table 4: Global: Power Plant Boiler Market Forecast: Breakup by Fuel Type (in Billion US\$), 2024-2032

Table 5: Global: Power Plant Boiler Market Forecast: Breakup by Input Capacity (in Billion US\$), 2024-2032

Table 6: Global: Power Plant Boiler Market Forecast: Breakup by Region (in Billion US\$), 2024-2032

Table 7: Global: Power Plant Boiler Market: Competitive Structure

Table 8: Global: Power Plant Boiler Market: Key Player

List Of Figures

LIST OF FIGURES

Figure 1: Global: Power Plant Boiler Market: Major Drivers and Challenges

Figure 2: Global: Power Plant Boiler Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Power Plant Boiler Market: Breakup by Type (in %), 2023

Figure 4: Global: Power Plant Boiler Market: Breakup by Technology (in %), 2023

Figure 5: Global: Power Plant Boiler Market: Breakup by Fuel Type (in %), 2023

Figure 6: Global: Power Plant Boiler Market: Breakup by Input Capacity (in %), 2023

Figure 7: Global: Power Plant Boiler Market: Breakup by Region (in %), 2023

Figure 8: Global: Power Plant Boiler Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 9: Global: Power Plant Boiler Industry: SWOT Analysis

Figure 10: Global: Power Plant Boiler Industry: Value Chain Analysis

Figure 11: Global: Power Plant Boiler Industry: Porter's Five Forces Analysis

Figure 12: Global: Power Plant Boiler (Pulverized Fuel Boiler) Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 13: Global: Power Plant Boiler (Pulverized Fuel Boiler) Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 14: Global: Power Plant Boiler (Circulation Fluidized Bed Boiler) Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 15: Global: Power Plant Boiler (Circulation Fluidized Bed Boiler) Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 16: Global: Power Plant Boiler (Other Types) Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 17: Global: Power Plant Boiler (Other Types) Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 18: Global: Power Plant Boiler (Subcritical) Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 19: Global: Power Plant Boiler (Subcritical) Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 20: Global: Power Plant Boiler (Supercritical) Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 21: Global: Power Plant Boiler (Supercritical) Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 22: Global: Power Plant Boiler (Ultra-Supercritical) Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 23: Global: Power Plant Boiler (Ultra-Supercritical) Market Forecast: Sales Value

(in Billion US\$), 2024-2032

Figure 24: Global: Power Plant Boiler (Coal) Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 25: Global: Power Plant Boiler (Coal) Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 26: Global: Power Plant Boiler (Oil) Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 27: Global: Power Plant Boiler (Oil) Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 28: Global: Power Plant Boiler (Gas) Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 29: Global: Power Plant Boiler (Gas) Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 30: Global: Power Plant Boiler (Other Fuel Types) Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 31: Global: Power Plant Boiler (Other Fuel Types) Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 32: Global: Power Plant Boiler (Figure 33: Global: Power Plant Boiler (Figure 34: Global: Power Plant Boiler (10-50 MMBtu/Hr) Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 35: Global: Power Plant Boiler (10-50 MMBtu/Hr) Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 36: Global: Power Plant Boiler (50-100 MMBtu/Hr) Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 37: Global: Power Plant Boiler (50-100 MMBtu/Hr) Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 38: Global: Power Plant Boiler (100-250 MMBtu/Hr) Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 39: Global: Power Plant Boiler (100-250 MMBtu/Hr) Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 40: Global: Power Plant Boiler (> 250 MMBtu/Hr) Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 41: Global: Power Plant Boiler (> 250 MMBtu/Hr) Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 42: North America: Power Plant Boiler Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 43: North America: Power Plant Boiler Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 44: Europe: Power Plant Boiler Market: Sales Value (in Billion US\$), 2018 &

2023

Figure 45: Europe: Power Plant Boiler Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 46: Asia Pacific: Power Plant Boiler Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 47: Asia Pacific: Power Plant Boiler Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 48: Middle East and Africa: Power Plant Boiler Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 49: Middle East and Africa: Power Plant Boiler Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 50: Latin America: Power Plant Boiler Market: Sales Value (in Billion US\$), 2018 & 2023

Figure 51: Latin America: Power Plant Boiler Market Forecast: Sales Value (in Billion US\$), 2024-2032

I would like to order

Product name: Power Plant Boiler Market Report by Type (Pulverized Fuel Boiler, Circulation Fluidized Bed Boiler, and Others), Technology (Subcritical, Supercritical, Ultra-Supercritical), Fuel Type (Coal, Oil, Gas, and Others), Input Capacity (< 10 MMBtu/Hr, 10-50 MMBtu/Hr, 50-100 MMBtu/Hr, 100-250 MMBtu/Hr, > 250 MMBtu/Hr), and Region 2024-2032

Product link: <https://marketpublishers.com/r/P3FD638F1105EN.html>

Price: US\$ 3,899.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/P3FD638F1105EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970