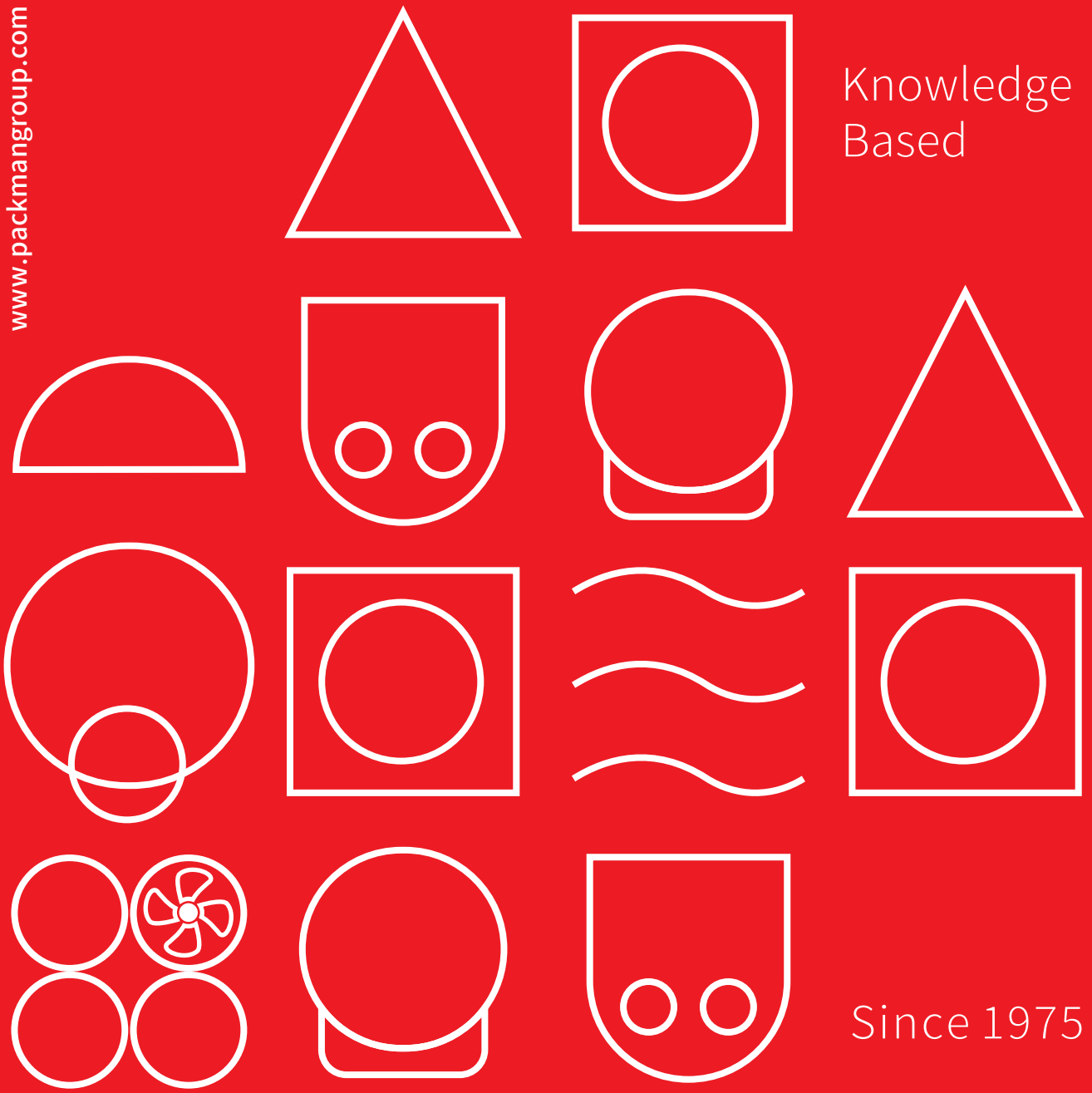


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PACKMAN
Industrial Group

 Coal Fuel Hot Water Boiler
powered by PACKMAN industrial group



Coal Fuel Hot Water Boiler

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Product Description

A coal-fired boiler is a heating boiler and efficient heating system widely used in industrial applications. It harnesses the energy stored in coal to produce steam or hot water for heating, power generation, and other industrial processes. With its long-standing history and technological advancements, the coal-fired boiler continues to provide a dependable and cost-effective solution for heat generation in diverse industries.

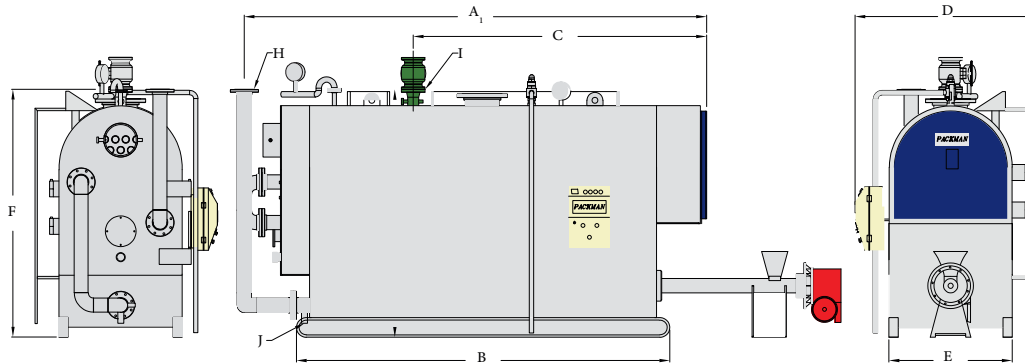
A coal-fired boiler is a type of combustion system that utilizes pulverized coal as the primary fuel source. The boiler comprises a furnace or combustion chamber where coal is burned, generating intense heat. This heat is then transferred to water-filled tubes within the boiler, resulting in the production of steam or hot water. The steam or hot water is subsequently used for various industrial applications.

Applications of Coal-Fired Boilers

Power Generation: Coal-fired boilers have been traditionally used in power plants to generate electricity. The heat produced by burning coal in the boiler is used to convert water into steam, which drives steam turbines to generate power. These boilers are designed to operate continuously, ensuring a reliable and stable power supply to the grid.

Industrial Processes

Coal-fired boilers are widely employed in industries that require a significant amount of heat for their processes. They are commonly used in sectors such as oil refining, chemical manufacturing, paper and pulp production, textile manufacturing, and food processing. These boilers provide the necessary thermal energy for heating, drying, and other industrial operations.



Model	Unit	PHWB-CA-250	PHWB-CA-325	PHWB-CA-400	PHWB-CA-500	PHWB-CA-600	PHWB-CA-700	PHWB-CA-800	PHWB-CA-1000	PHWB-CA-1200	
Boiler Capacity	kw	250	325	400	500	600	700	800	1000	1200	
Lengths											
Overall	A1	mm	1960	2160	2360	2500	2650	2810	2970	3300	3520
Skid	B	mm	1570	1570	1950	2050	2190	2350	2500	2800	3000
Boiler Head to Water Outlet	C	mm	1120	1320	1470	1620	1730	1800	1900	2180	2360
Widths											
Overall	D	mm	1300	1300	1300	1600	1600	1600	1600	1680	1680
External Skid Width	E	mm	900	900	900	1100	1100	1100	1100	1180	1180
Heights											
Water Outlet FLG. to Ground	F	mm	1590	1590	1590	1980	1980	1980	1980	2100	2100
Skid I-Beam Size (IPN)	G	mm	120	120	120	140	140	140	140	160	160
Connections											
Water Return	I	in	3"	3"	3"	3"	4"	4"	4"	4"	4"
Water Outlet	H	in	3"	3"	3"	3"	4"	4"	4"	4"	4"
Drain	J	in	1"	1"	1"	1"	1"	1"	1"	1 1/2"	1 1/2"
Stack I.D.	K	in	8"	8"	8"	8"	10"	10"	10"	10"	10"
Minimum Boiler Room Clearances											
Front Clearance	-	mm	1570	1690	1970	2130	2300	2450	2600	3000	3200
Rear Clearance	-	mm	800	800	800	1000	1000	1000	1000	1200	1200
Side Clearance	-	mm	500	500	500	700	700	700	700	1000	1000

PACKMAN GROUP

History

The Packman Company was founded in February 1975, and was soon afterwards registered in companies Registration Office. In early years the Packman construction and service branch focused on building installations. Different mega power plants were built by cooperating with Brown Boveri and Asseck companies in 1976.

The company started its official activities in construction of High-Pressure Vessels such as Hot-Water Boilers, Steam Boilers , Storage Tanks, Softeners and Heat Exchangers from 1984.

Packman Company is one of the first companies which supplied the high quality and standard hot water boilers to the customers.

Packman has exported its products to countries such as Uzbekistan, United Arab Emirates and other countries in the Middle East. It is one of the largest producers of hot-water and steam boilers in the Middle East.

Now we are proud to announce that the Packman industrial group has five major sub-brands that have product titles in all field of HVAC equipment and engineering services, and we do not know this success except with the help and support of our customers.

1. Construction Services Industry Association
2. Industry Association
3. Construction Companies' Syndicate
4. Technical Department Association
5. Mechanical Engineering Association
6. Engineering Standard Association

Departements:

Sales Deps:

- ∩ Power Plant & Petrochemical
- ∩ Industrial
- ∩ Hospitally Service
- ∩ Commercial & Residential
- ∩ Sport Complex & Pool

Technical Deps:

- ≡ Manufacturing R&D
- ≡ Innovation Center
- ≡ EPC Execute Unit
- ≡ Product Develop Unit
- ≡ Sales Engineering Dep.

Others:

- ≈ After Sales Service
- ≈ Project Control
- ≈ Financial Office
- ≈ Commercial Office
- ≈ Marketing Department



PACKMAN GROUP Brands



PACKMAN
Industrial Group

Designer & manufacturer of Condensing, Hot Water, Steam, Hot Oil & Waste Heat Boilers, Heat Exchangers, Autoclave Pressure & Storage Vessels & etc



GREENMAN
Green mindset, green future

Engineering & Designing Commercial Greenhouse Plant, CO2 Dosing System, Flue gas Condenser & Special HVAC Systems, Sustainable Agriculture & etc



ROMAN
Water solution

Designer & manufacturer Reverse Osmosis Plant & Package, Water Treatment, Softener & Filters and Chemical Dosing Systems & etc



RAADMAN
a look to the future

Designer & manufacturer of Industrial Mono & Dual Block Gas, LPG, Light & Heavy Oil Burners, Premixed & Postmixed Burners, Watertube burners, Process burners, Special application burners & Combustion Solutions & etc



CHILLMAN
Coolest hvac around

Designer & manufacturer of Air & Water Cooled Chillers, Air Handling Units, Fancoil, HVAC Equipment, Cold Storage Room & etc



1. Isfahan Factory



2. Vilashahr Factory



3. Parand Factory



4. Parand (2) Factory



5. Bonyad Factory

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GREENMAN



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