

# East Company

for Electrical &  
Mechanical  
Industries





# Our Business Comapny Profile

East Company is one of the Electrical and Mechanical Industries Companies in Egypt, it has been Founded in 1990 by Engineer Talaat Thabet.



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# ABOUT OUR COMPANY

The company specializes in the manufacture of steam boilers and hot water and also specializes in the work of heating swimming pools and has a precedent for honorable work, both at the level of the public or private sector and investment. Our company holds the approval of the General Authority for Manufacturing of steam and hot water boilers.

We have group of qualified elite engineers and technicians Who are supporting in carrying out installations and maintenance work and providing all after-sales services for boilers

All our boiler products are manufactured and tested under the supervision of the Engineering Consultation Center - the Faculty of Engineering, Ain Shams University.



## Our Vision

To become one of the leading companies in the Middle East region and Africa by delivering highest quality, distinguished solutions and continuously creating value for our stakeholders through an integrated team by building strong commitment to our dear customers with the most modern technology that driven their business effectively.



# Our Mission

We dedicated to providing premium equipment and technical services by epitomizing safety and efficiency.



## Development

Responsive to customer needs.



## Relationship

Delivering optimal solution, and value-added services.

## — Our Values —

**Committed to quality, Committed for you.**

# Our Target Industries

The company specializes in the manufacture of steam boilers and hot water and also specializes in the work of heating swimming pools.



**Factories**



**Hospitals**



**Hotels**



**Clubs**

## Our Divisions



**Heating Systems**



**Oil Tanks**



**Solar Heaters**



**Services**

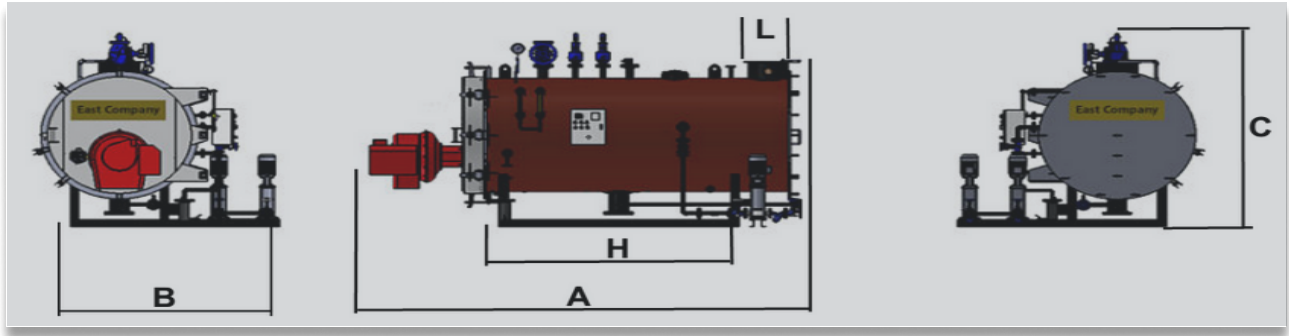


# Heating Systems

- Our boilers are fit to your manufacture and the service needs, we customize the boiler with the suitable needs of your industry or service depends on your requirements.
- Made in Egypt under the supervision of the Ministry of Industry, with the approval of civil defense and European specifications. All of the boiler's components are imported from our suppliers starting from carbon steel sheet metal, similes pipes, automatic burners, pumps, valves, level controls, pressure controls, pressure gages and components of control panel.
- Robust design and construction for long life total package incorporates combustion equipment and all necessary fittings.
- Working pressure available options up to 25 bar.
- Our boilers are three pass wet back, which can deliver the most efficiency.
- Light weight, hinged front door and removable rear doors.
- All models subjected to independent third-party inspection during manufacture.
- Shells are stress relieved after welding and fully tested before dispatch.

# Steam Boilers

East boilers are the popular option for small to medium applications and designed for a long-term investment with easy maintenance. It is the smart choice for those who need steam storage and hot water.



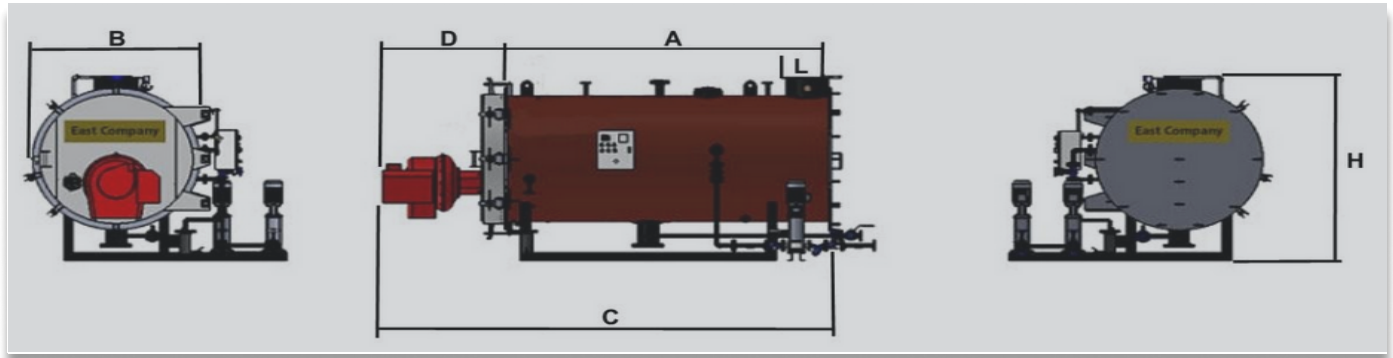
Boiler Duty KGS/HR F&A 100° C	500	1000	1500	2000	2500	3000	4000	5000	6000	7000	8000
Power Duty Kw	314	627	940	1255	1568	1881	2508	3135	3762	4389	5016
Overall Length (A)	3500	4500	4700	4900	5100	5300	5900	6100	6600	6900	8800
Overall width (B)	1800	2100	2250	2235	2500	2650	2900	3000	3200	3300	3400
Overall Height (C)	2000	2300	2700	2800	2900	3000	3100	3200	3600	3800	4000
Base Centers (H)	1900	2000	2100	2200	2200	2400	2600	2800	3000	3200	3400
Minimum Chimney l/DIA (L)	220	250	270	330	360	380	420	480	550	580	600
Stop Valve Size	40	50	65	80	80	100	100	100	100	125	125
Safety Valve Size (Inlet)	25	25	32	40	40	40	40	40	50	50	50
Blowdown Valve Size	40	40	40	40	40	40	40	40	40	40	40
Feed Water Valve Size	25	25	25	25	32	32	40	40	40	50	50
Oil Fuel Consumption KG/HR	31	62	93	124	155	186	248	310	372	434	496
Steam Space Volume m <sup>3</sup>	0.35	0.50	0.7	0.85	1.1	1.37	1.56	1.80	1.90	2.00	2.50
Transport weight KGS	3800	5200	6300	7500	8500	10500	11600	14000	17000	20000	23000
Water Weight TI NWL KGS	2000	3200	4500	4900	5000	6600	8400	9000	10000	11000	12000
Foundation Weight KGS	5800	8400	10800	12400	13500	17100	20000	23000	27000	31000	35000

- Material steel plate, ends, shell, furnace, reversal chamber are according to Germany standers DIN 17155 grad H11 OR equivalent BS 150-161 grad 26 A&B OR AFNOR A36 – 205 grad A42 – CP – USA ASTM A515 grad 55.
- Welding according to American welding society AWS A 5,1. Welding electrode AWS A 5,1 E7018, E6013. Welding string AWS A 5,18 ER705 – 6 submerged ARG welding and Flux AWS A 5,17 F7 A4-EL12 submerged ARC welding.
- Further data sheets for other boilers outputs are available on request.



# Water Boilers

The boiler capacity in thousands kcal/hr, example: boiler model SH 35 has a capacity of 35000 kcal/hr.



BOILER MODEL SH*	SH 35	SH 75	SH 150	SH 200	SH 300	SH 450	SH 600	SH 750	SH 900	SH 1200	SH 1600	SH 1800
A- Length of boiler	80	100	150	150	205	255	305	305	355	405	405	455
B- Width of boiler	70	90	90	100	130	155	170	180	180	180	190	200
C- Overall length	150	160	200	230	285	355	370	385	435	485	485	535
D- Burner extension	30	40	40	50	50	70	70	80	80	80	90	90
H- Overall height	120	130	130	140	170	195	210	240	260	260	270	280
L- Exhaust outlet size	22	25	27	33	36	38	42	48	55	58	60	60
Fuel consumption in kg/hr	4	9	18	24	38	54	72	90	108	145	191	228
Water flow rate at 40°C difference in m <sup>3</sup> / hr	0.875	1.875	3.75	5	7.5	11.25	15	18.75	22.5	30	37.5	45
Maximum working pressure kg/cm <sup>2</sup>	10	10	10	10	10	10	10	10	10	10	10	10
Test pressure in kg/cm <sup>2</sup>	16	16	16	16	16	16	16	16	16	16	16	16
Weight of boiler (dry) in kg	300	350	550	850	1500	2500	3500	5000	7000	8000	9000	10000
Weight of boiler (full of water) in kg	550	750	1000	1500	3000	4500	6000	8000	11000	12000	13000	14000

—Dimension in cm & approximate

- The heating surface of the boiler is designed based on heat flux 18000 kcal/hr.
- Boiler thermal efficiency based on a lower calorific value of fuel of 9650 kcal/hr is 87%.
- Oil burners, gas burners and dual fuel are available.

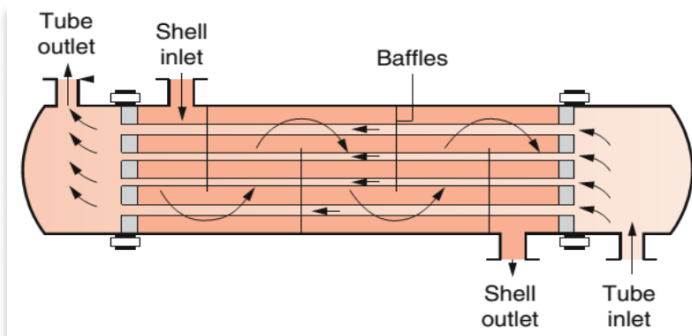
# Water Softener

Water softener removes hard water minerals, like calcium and magnesium, which can cause scaling and damage in the boiler tubes. Acting as an insulator, scale deposits can prevent proper heat transfer, decrease boiler efficiency, and lead to costly downtime and even premature boiler failure.

We are supplying your service the best brand of water softening with the best quality to make sure that our boilers can lead to many years of reliable boiler system performance.



# Heat Exchangers



Shell and tube heat exchangers are considered one among the most effective type of heat exchangers. These heat exchangers have a cylindrical shell with a bundle of tubes. The tubes are made from thermally conductive materials, which allow heat exchange between the hot fluids flowing outside the tubes and the coolant flowing through the tubes.

We are expert in designing and manufacture vertical and horizontal of heat exchangers, this depends on your application and requirement needs, we are designing the heat exchanger in different capacities, installation, weight, and size which plays important roles in the selection of the final design. Our heat exchangers work in high efficiency due to the best material we use according to the technical specifications in order to deliver the required temperature.





# Calorific Storage Tanks

Storage tanks are containers that hold liquids for large and medium used for the short- or long-term storage of hot water.



In case your needs required hot water, we design the Calorific tank to connect it with your steam boiler and the design includes the pipes, valves and calculations to make sure that there are no losses and to deliver the hot water with the certain temperature required.

Storage tanks are available in many shapes, vertical and horizontal cylindrical; open top and closed top; flat bottom, cone bottom, slope bottom and dish bottom.

# Oil Tanks

If your enterprise has no natural gas supply, we can design oil tanks with high quality material for oil storages.

Oil tanks made of high black carbon steel with 6 millimeter up to 18 millimeter thickness and with different size. It can be float or submerge tank, depends on your required.

Oil storage tanks are daily or monthly tanks.



# Solar Heaters

Solar water heaters also called solar domestic hot water systems can be a cost-effective way to generate hot water for your home and for service.

It can be used in any climate, and the fuel they use sunshine is free. Solar water heating is a technology that every homeowner can use to save on utility bills.

We design the heaters according to your needs with different capacities, up to 400 liter per day.



# Services

we can raise up the efficiency of any boiler, maintenance for pipe lines, supply and installation for spare parts, provide the design ,calculations and solutions for feed water supply and any other plans that we can setup together.



## Expertise

We are in the market for more than thirty years so we are expert in the boilers and heating systems, that's why we can deliver integrated technical solutions incase you have any issues in your facility.



## Guarantee

We provide one year guarantee after sale against manufacture defects.



## Engineers

Our qualified engineers and technicians team at East Company can deliver the best service for your organization.

Our  
Valuable  
Customers

## Hotels



## Universities



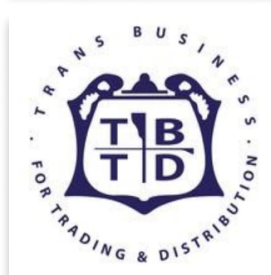
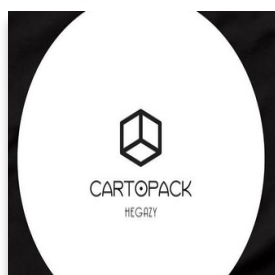


Our  
Valuable  
Customers

## Hospitals



## Factories



# Our Valuable Customers

## Clubs



# Our Suppliers





## GET IN TOUCH

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# Thank you



## **East Company**

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