TES™ Energy Saving Heating Boilers

- ★ Low Profile & Energy Saving Design
- ★ Gas or Oil Fired Burner Applicable

TES Heating Boiler in Different Housing Design

Features & Advantages:

- **COMPACT LOW PROFILE DESIGN**
  TES enrgy saving Steel Boiler is designed compact small and have low profile, Ideal for household use or use on boats, farms and small commercial applications.
- **ENERGY SAVING FOR OIL GAS ENERGY**
  It has high back pressure, tubular three-way exhaust gases and horizontal operation. It's examined regarding its dimensions of the combustion chamber,the cross-section of tubes, fully exploit heat during combustion with minimum loss.
- **QUIET & NOISELESS OPERATION**
  The boiler owns special new turbolating exhaust gas flow, increasing performance & decreasing back pressure. Accordance with the coating insulation & covers, assure the most noiseless operation.
- **ELECTRONIC CONTROL PANEL**
  The control panel is modern design in operation including a burner thermostat, circulation pump thermostat, safety thermostat, main switch, indicators & of water temperature indication element.The control panel, according to the client's preference,could be either mechanic or electronic in digital indication and microprocessor.
- **GOOD INSULATION MINMUM HEAT LOSS**
  The insulation of TES boilers is double new series. Made of 50 mm thickness glass wool, assures the smooth operation without loss and the steady temperature.
- **EASY MAINTENANCE**
  TES steel boiler maintenance is simple with easy access to all parts as it has a door with hinges opens right or left so that the access in the burning body and the front tube plate is immediate. Ther's a cleaning residues of combustion at rear end of the smoke collector.
- **HIGH EFFICIENCY FOR GAS OIL ENERGY**
  Perfect oil or gas combustion is ensured due to the ultra modern combustion chamber design,the exhaust gases turbolators made of steel and the ergonomic construction and these result to a product with the most modern specifications. The 91% - 93% efficiency assures energy saving with the most minimum exhaust gases to the pipe and the environment.

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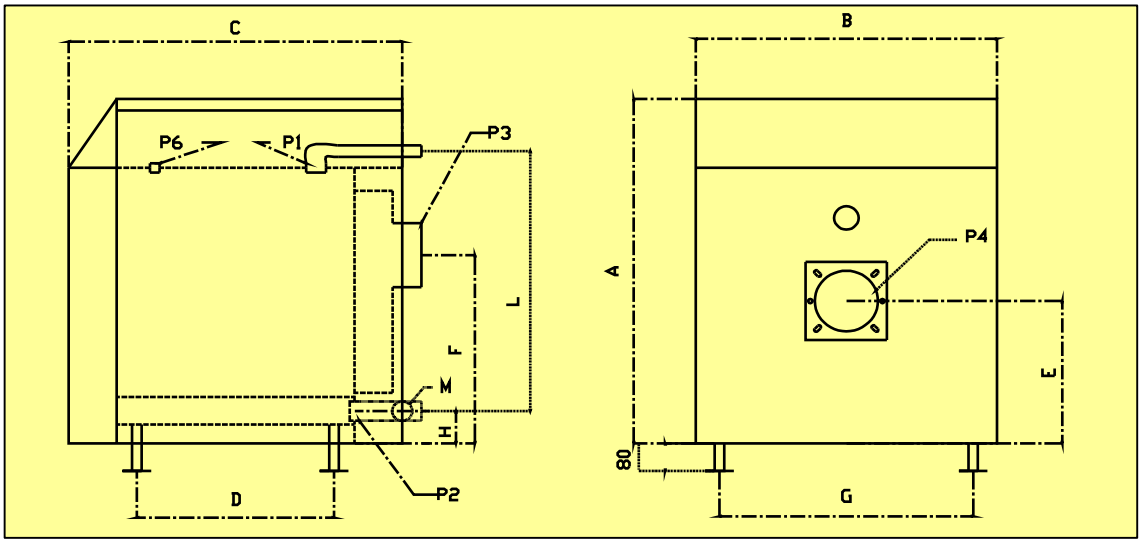
Model Numbers & Specifications

Model	Nominal Capacity		Operating Range	Combustion Chamber volume	Heated Surface	Internal Pressure Drop	Content or Water	Max Working Pressure	Pressurise
	kW	Mcal/h	Mcal/h	Lt	M²	(△T=15℃)mmH₂O	H₂O Lt	bar	mmH₂O
TES-20	23.5	20.21	15-20.2	20.5	0.85	20	35.5	4	2-4
TES-30	35	30.1	20-30.1	24.5	1.05	20	40.9	4	2-4
TES-40	46.7	40.16	30-40.1	32.5	1.45	20	50.8	4	2-4
TES-50	58.3	50.13	40-50.1	40.5	1.65	30	61.7	4	2-4
TES-60	68	58.48	50-58.5	48.5	2.05	30	71.8	4	4-6
TES-70	81.6	70.17	60-70.1	52.5	2.25	40	102.5	4	4-6
TES-80	93.2	80.15	70-80.1	65.5	2.65	50	112.5	4	4-6
TES-100	116.5	100.29	90-100.2	78.5	3.15	60	122.5	4	6-10
TES-120	139.7	120.14	100-120.1	91.5	3.65	70	134.5	4	6-10
TES-140	163	140.18	120-140.1	144.5	4.15	80	214.5	4	8-15
TES-160	186.2	160.13	140-160.1	161.5	4.65	90	246.5	4	8-15
TES-180	209.6	180.17	160-180.1	174.5	5.15	100	266.5	4	10-20
TES-200	233.3	200.63	180-200.6	205.5	6.05	120	284.5	4	10-20

Product Mesurements & Sizes

Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	L (mm)	M (inch)	P1.P2 (inch)	P3 (mm)	P4 (mm)	P6 (mm)	KG	KG *
TES-20	720	660	630	360	425	410	530	180	540	½"	1¼"	140	100	⅓"	116	135
TES-30	720	660	660	412	425	410	530	180	540	½"	1¼"	140	100	⅓"	122	139
TES-40	720	660	760	512	425	410	530	180	540	½"	1¼"	140	100	⅓"	140	158
TES-50	720	660	860	612	425	410	530	180	540	½"	1¼"	140	100	⅓"	152	170
TES-60	720	660	960	712	425	410	530	210	540	½"	1⅓"	140	100	⅓"	168	186
TES-70	800	760	910	662	495	480	590	210	650	½"	1⅓"	160	100	⅓"	200	225
TES-80	800	760	990	762	495	480	590	210	650	½"	1⅓"	160	100	⅓"	215	240
TES-100	800	760	1,120	862	495	480	590	280	650	½"	2"	160	125	⅓"	223	248
TES-120	800	760	1,190	962	495	480	590	280	650	½"	2"	160	125	⅓"	256	281
TES-140	900	890	960	1340	500	530	700	280	710	½"	2"	193	130	⅓"	360	410
TES-160	900	890	1,060	1440	500	530	700	320	710	½"	2"	193	130	⅓"	390	440
TES-180	900	890	1,160	1550	500	530	700	320	710	½"	2⅓"	193	130	⅓"	415	465
TES-200	900	890	1,310	1650	500	530	700	320	710	½"	2⅓"	193	130	⅓"	440	490



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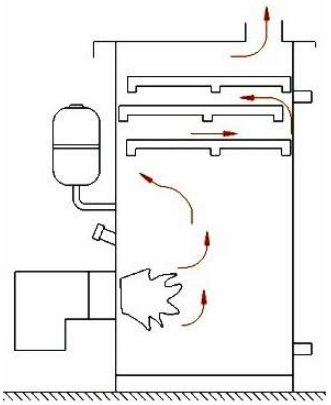
TES™ Compact Steel Heating Boiler

Key Features:

- ★ Made of Steel 37-2/DIN 17100, Ideal Material for Boilers
- ★ Three-Way Exhaust During Interlayer, Fully Exploit Heating with Minimum Loss



Features & Advantages:

- COMPACT LOW PROFILE DESIGN
- ENERGY SAVING FOR OIL GAS ENERGY
- QUIELT & NOISELESS OPERATION
- CONTROL PANEL WITH ON/OFF SWITCH AND TEMPERATURE INDICATOR
- GOOD INSULATION MINIMUM HEAT LOSS
- EASY MAINTENANCE
- HIGH EFFICIENCY FOR GAS OIL ENERGY

Model Numbers & Specifications

Model No.	C-20	C-30	C-40
Output Power (Kcal/H.) :	20.000 Kcal/h	30.000 Kcal/h	40.000 Kcal/h
Test Pressure (Bar) :	6 Bar	6 Bar	6 Bar
Max Working Pressure (Bar) :	4 Bar	4 Bar	4 Bar
Max Working Temperature (°C) :	90°C	90°C	90°C
Diameter (mm) :	98 mm	118 mm	138 mm
Housing Width (mm) :	680	770	830
Housing Depth (mm) :	450	510	560
Housing Height (mm) :	990	990	990

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TES™ Heat Pump Water Heater

Product Introduction:

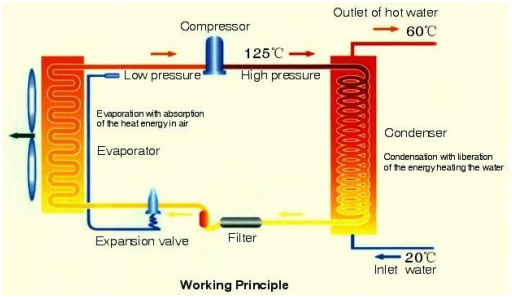
- **WHY HEAT PUMP**

  Heat Pump Water Heaters are revolutionizing the way we heat water. TES Heat Pump is a new generation, clear new energy heat exchanger water heater super energy saving equipment for household life water heating or swimming pool heating. TES commercial heating pump also suitable for commercial heating usage.

  The heat pump only need very small energy to transfer large amount of free heat energy from the around air into domestic water to heat up water for our use. It save more than 60% energy cost than an full electric water heater. So, it's the revolutionary energy saving heating equipment.

- **HEAT PUMP STRUCTURE**

  We use an Expansion Valve to control heat exchange,an Evaporator to absorb the heat energy in environment air a Compressor to change low pressure to high pressure,a Condenser to transfer heat energy into inlet cold water, Heat it up and make outlet hot water, an air filter may be builted in to clean the air.



Model Numbers & Specifications

Model No.	HH-15	HH-24	HH-40
Heating Power (W)	8000	11000	19000
Coefficient of Performance (COP)	4	4	4
Storage Capacity (L/H)	180	240	400
Output Water Temperature (°C)	38°C-60°C	38°C-60°C	38°C-60°C
Rated Input Power (W)	1900	2750	4750
Maximum Input Power (W)	2300	3000	5500
Rated Input Current (A)	9	4.5	8.5
Maximum Input Current (A)	11	5.4	9.8
Noise DB (A)	48	58	60
Input/Output Pipe	DN15	DN25	DN32
External Dimensions (mm)	740x520x690	728x728x762	826x826x968
Product Gross Weight (Kgs)	65Kgs	91Kgs	136
Application Environment (°C)	0°C-40°C	0°C-40°C	0°C-40°C

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TES -- Professional Manufacturer Of Environment Friendly Equipments

FROME GREECE TO CHINA

Zhuhai Tianke Energy Saving Equipment Manufactory Co., Ltd. was invested by an experienced business man from Greece, who had owned over 25 years successful business activity in Europe. In 2004, he came to China and set up a series of new factories.

TES CHINA FACTORY PROFILE

TES currently have 2 factories, occupies an area of more than 40,000 square meters, with more than 200 employees and a Research & Development department center of more than 20 engineers.

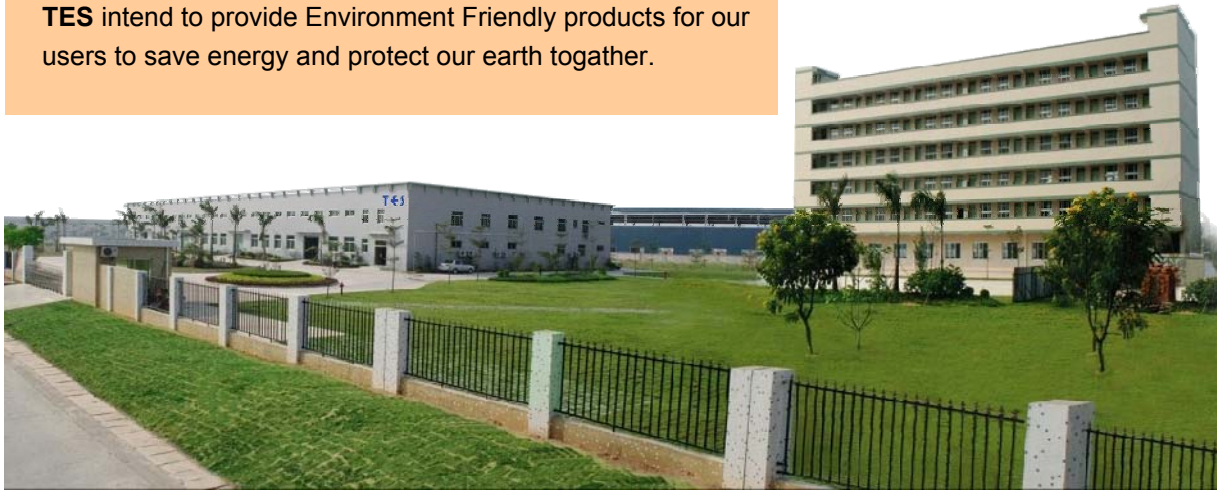
TES factory have many series of stamping, welding, surface painting and assembly producing lines. TES have complete control of product's design and construction to guarranty the quality of every product.

TES operate the ISO9001:2008 international standard quality control system. All TES products comply with CE & RoHS directive, the solar thermal collector water heaters passed the EN 12975-2 & ISO 9806-1 directive standard tests.

More than 80% of TES green energy product & energysaving products were exported to Europe & Australasia countries, with buyer's brands or TES brand.

TES do not only utilize European advanced technology and a perfect management system but also concerned in the human factor. We provide the most excellent conditions of living and working so as to ensure our products will be consumable. We are able to provide the best quality and service in order to keep our customers fully satisfied.

TES intend to provide Environment Friendly products for our users to save energy and protect our earth togather.



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The TES Company Principles

The TES company principles have been, and continue to be an very important guidelines for our success. The TES principles provide the guide to our daily endeavours – within our company and in our market sector.

TOP QUALITY

Products quality is our first principle, product's quality is also the base that grows our company & gained reputation from our buyers. We set up a full line of quanlity control system to inspect every part of our products before delivering out of the factory gate.

INNOVATION

We are the technological trendsetter & trailblazer for our users.

TES have a leading work team to practice new technologies.

RESPONSIBILITY

We ensure all our processes are environmentally compatible and encourage the use of renewable forms of energy. We are committed to fulfilling our economical, ecological and social responsibilities.

RELIABILITY

We were and will always be a reliable business partners. Our products are energy-efficient and easy to handle. They offer a high class standard & a long service life. Tthey are designed with an eye to the future.

INTERNATIONAL ORIENTATION

We think and act globally. Our products are designed comply with international standards & meet the environment friendly guidelines. We intend to be the best environment friendly equipments products manufacturer in our world.

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