

Product comprehensive sample book



Yantai Myneng Machinery Equipment Co., Ltd.

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Steam boiler

Once-Through Steam Boiler	0 2 P
Modular Steam Water-Tube Boiler	0 4 P
Packaged Water-Tube Steam Boiler	0 6 P
Packaged Saturated Water-Tube Boiler	0 8 P
Ø RION _ Ø7	1 0 P
Ø RION _ Ø6	1 2 P
Integrated Condensing Steam Boiler	1 4 P

Hot water boiler

QX S Water-Tube Hot Water Boiler	1 6 P
SZ S Water-Tube Hot Water Boiler	1 8 P
THALIA T 7	2 0 P
THALIA T 6	2 4 P
DUAL D6	2 8 P
HER OLD H7	3 0 P
HER OLD H6	3 2 P
IRISH I7	3 4 P
IRISH I6	3 6 P
CALO C6	3 8 P
VAL A RIE V6	4 0 P

Others

DUAL (over 5 . 6MW)	4 2 P
Outdoor Hot Water Boiler	4 4 P
Skid-Mounted Modular Boiler	4 6 P
High-Voltage Electrode Boiler	4 8 P



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Steam boiler

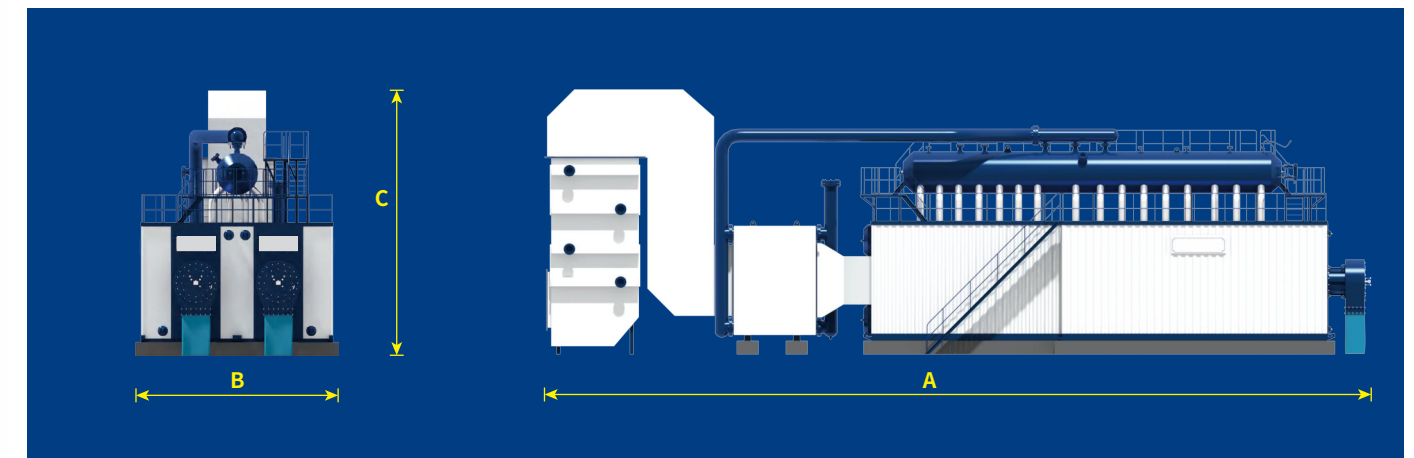
Once-Through Steam Boiler Rated Evaporation Capacity:

80t/h~150t/h



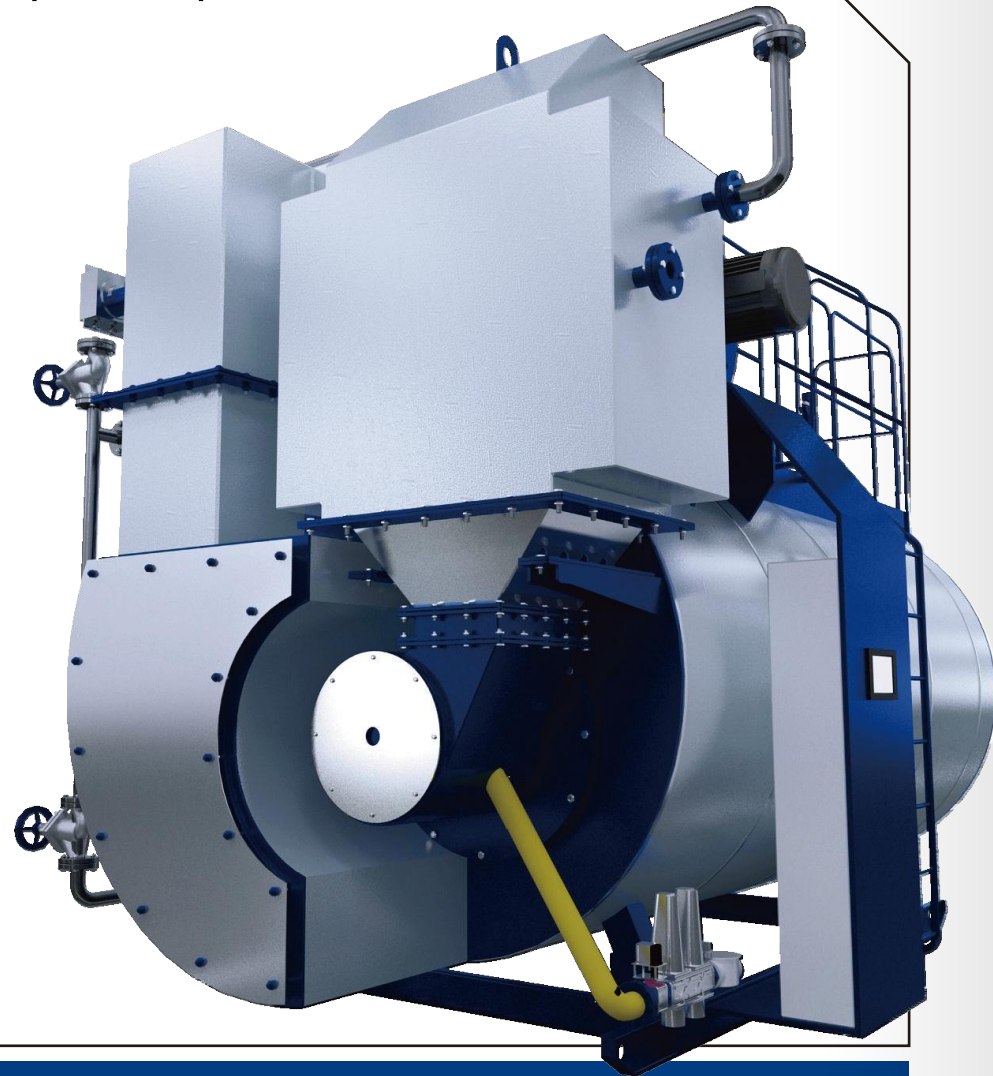
1. A large header tank is specially set up separately, which not only ensures more reliable water circulation but also provides a larger space for steam generation, resulting in better steam quality.
2. The tube bundle and the membrane wall of the boiler are only 50% of those of the bulk boiler, significantly reducing the risk of vibration during operation.
3. After complete combustion, the flame passes through the furnace part - the convection part - the economizer - the condenser and directly to the chimney. The gas route has no bends, and the overall resistance of the boiler is small, with no vibration risk.
4. The boiler is fabricated and inspected in the factory and is divided into three major parts: the furnace body, the economizer and the condenser. It can be put into use directly after connecting the pipelines on site.

Due to the bidding characteristics of water tube boilers, the parameters in the table below are for reference only;
The parameters in this table are based on superheated steam.;

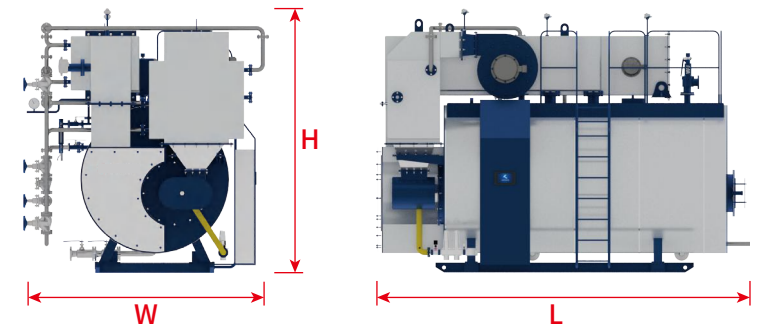


Model Number			NSZS80-1.25-Y(Q)	NSZS100-1.25-Y(Q)	NSZS130-1.25-Y(Q)	NSZS150-1.25-Y(Q)
SIZE	A	mm	24000	26500	28000	29000
	B	mm	6400	7000	7500	8000
	C	mm	8000	8480	8600	8600
Rated evaporation capacity		t/h	80	100	130	150
Electric power of feedwater pump		kW	75	90	132	160
Wind turbine power output		kW	2*110	2*132	2*180	2*220
supply gas pressure		mbar	500	500	500	500
Fuel consumption	Diesel fuel	kg/h	5096	6115.2	7949.7	9172.8
	Heavy oil	kg/h	5298.2	6357.84	8265.2	9536.8
	Natural gas	Nm³/h	4185.7	5022.84	6530	7534.2
	Urban gas	Nm³/h	10940	13128	17066.4	19692
	Liquefied petroleum gas	Nm³/h	1969.2	2363	3071.9	3544.5
Rated steam pressure		MPa	1.25	1.25	1.25	1.25
Rated steam temperature		℃	194	194	194	194
Inlet pipe - DN		mm	DN125	DN150	DN150	DN150
Main steam outlet-DN		mm	DN250*2	DN250*3	DN250*3	DN250*4
Secondary steam outlet		mm	DN40	DN40	DN40	DN40
Manual blow-off port - DN		mm	DN50	DN50	DN50	DN50
Continuous blowdown outlet - DN		mm	DN40	DN50	DN50	DN50
Safety valve interface - DN		mm	DN200*2	DN250*2	DN250*3	DN250*3
General Motors	power supply:380V /50Hz Thermal efficiency:≥99% Water supply temperature:20/104℃ Exhaust gas temperature:≤70℃					
	★ Micro-positive pressure chamber combustion method, fully automatic proportional regulation ★ The fuel consumption figure is the one after the condenser has been installed. ; ★ Fuel calorific value: 9140 kcal per Nm³ for natural gas, 4500 kcal per Nm³ for urban gas, and 24998 kcal per Nm³ for liquefied petroleum gas. ; ★ Due to continuous technological improvements, changes may occur without prior notice.					

Distributed steam boiler
Rated Evaporation Capacity:
2t/h~30t/h



1. The 07 boiler uses the air preheater to preheat the combustion-supporting air, providing hot air for combustion. By raising the temperature of the combustion-supporting air above the dew point, it fundamentally solves the instability phenomenon caused by condensate water in the combustion system and improves the combustion efficiency.
2. By using the air preheater, it can be flexibly applied for the recovery of low-grade heat, addressing issues such as the increase in flue gas temperature and the decrease in efficiency after condensate water recovery.
3. The 07 boiler is a product specifically designed for the condensate water recovery industry, capable of meeting various water supply conditions.
4. Fangkuai can provide users with a complete and professional condensate water recovery system solution.



Product parameters		07-2000	07-4000	07-6000	07-8000	07-10000	07-15000	07-20000	07-25000	07-30000
ated evaporation capacity	t/h	2	4	6	8	10	15	20	25	30
Distribution power	Kw	12	22	34	52	56	79	110	134	150
Distribution power	Kpa	15-20	15-20	20-25	20-25	20-30	30-40	30-40	30~40	30~40
Gas connection diameter	mm	DN50	DN50	DN100	DN100	DN100	DN125	DN125	DN150	DN200
The diameter of the main steam valve	mm	DN65	DN100	DN125	DN150	DN150	DN200	DN200	DN200	DN250
Inlet diameter	mm	DN40	DN50	DN50	DN50	DN50	DN65	DN65	DN65	DN80
Discharge outlet diameter	mm	DN40	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
The diameter of the safety valve	mm	DN50	DN60	DN65	DN65	DN80	DN100	DN100	DN100	DN125
Chimney (height × width)	mm	460*340	440*645	540*648	740*692	740*870	740*1260	925*1190	925*1190	1090*1490
Transportation weight	t	8.47	15.84	17.65	24.7	28.23	31.88	40.26	45.26	58.06
Operating weight	t	10.66	20.6	23.55	32.96	36.43	47.08	56.96	65.24	81.82
Water capacity	m ³	2.19	4.76	5.9	8.26	8.2	15.2	16.7	19.98	23.76
Installation dimensions - Length	mm	4652	5798	6056	6973	7063	8145	8152	8652	8400
Installation dimensions - Width	mm	2810	3472	3658	3857	3650	5274	4800	4800	5950
Installation dimensions - Height	mm	2929	3680	4087	4460	4764	5164	5650	5650	5800

Rated feedwater temperature: 20°C; Thermal efficiency: 103.8% Rated steam pressure: 1.25 Mpa Saturated steam temperature: 194°C Power supply requirement: 380V/50Hz

Quite a lot of heat value	×10 ⁴ kcal	129.05	258.09	387.13	516.18	645.22	967.84	1290.45	1613.06	1935.67
Rated air consumption	Nm ³ /h	136.02	272.04	408.05	544.07	680.1	1020.14	1360.18	1700.23	2040.27

Rated feedwater temperature: 90°C; Thermal efficiency: 97% Rated steam pressure: 1.25 Mpa Saturated steam temperature: 194°C Power supply requirement: 380V/50Hz

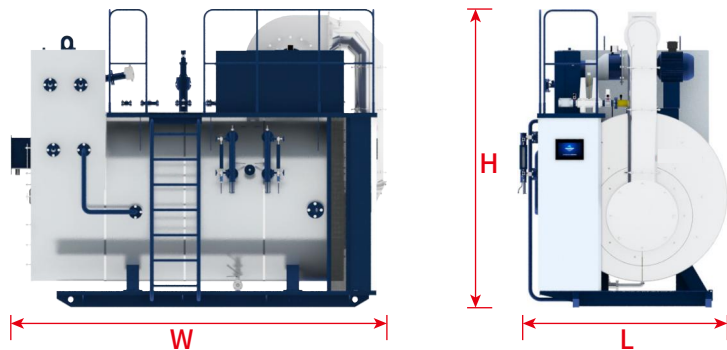
Quite a lot of heat value	$\times 10^4 \text{ kcal}$	115.06	230.12	345.18	460.24	575.3	862.95	1150.59	1438.24	1725.89
Rated air consumption	Nm^3/h	129.78	259.56	389.34	519.12	648.9	973.34	1297.79	1622.24	1946.69

The natural gas low-temperature heat value is calculated at 9140 kcal/Nm³.
Due to continuous technological improvements, any changes will not be notified. For detailed parameters, please contact us for further information.

All-premixed steam boiler
Rated Evaporation Capacity:
2t/h~30t/h



- 1. The water capacity of the product is small and the steam output is fast. The corresponding time is about 16 minutes, which is significantly shorter than that of ordinary boilers.
- 2. The full premixed planar combustion technology is adopted, with high combustion efficiency and nitrogen oxide emissions lower than 30mg/m³. It can also meet the requirements of Class I areas in China.
- 3. Coupling technology integrates the full premixed combustion technology and the wing tube heat transfer technology, achieving a thermal efficiency of up to 103.44%.
- 4. The planar combustion technology combined with the wing technology significantly reduces the volume while ensuring the heat transfer efficiency. The floor area is reduced by approximately 50% compared to boilers of the same steam output.
- 5. Cloud service support ensures the safe operation of the boiler. Combined with the corrosion resistance of the boiler material and the reasonable design of the structure, it ensures its service life.



Product parameters		Ø6-2000	Ø6-3000	Ø6-4000	Ø6-6000	Ø6-8000	Ø6-10000
Rated evaporation capacit	t/h	2	3	4	6	8	10
Rated steam pressure	MPa	1.25	1.25	1.25	1.25	1.25	1.25
Saturated steam temperatur	°C	194	194	194	194	194	194
Distribution powe	kW	9	15	15	23	34	37
Gas consumption	Nm³/h	137.6	207.91	278.2	414.69	552.74	692.12
Gas pressure	kPa	15~30	18~30	20~30	20~30	25~35	30~35
Gas connection diameter	mm	DN65	DN80	DN80	DN100	DN125	DN125
Steam outlet diamete	mm	DN65	DN80	DN100	DN125	DN125	DN150
Safety valve diameter	mm	DN50	2×DN50	2×DN50	2×DN65	2×DN65	2×DN80
Water inlet diameter	mm	DN40	DN40	DN40	DN50	DN50	DN50
Surface discharge pipe diameter	mm	DN20	DN20	DN20	DN20	DN20	DN20
Bottom sewage discharge diameter	mm	DN40	DN40	DN40	DN50	DN50	DN50
Exhaust gas outlet size	mm	584×264	710×410	580×280	920×360	960×420	960×460
Water Volume	m³	1.7	2.96	3.3	4.98	5.97	7.94
Transportation weight	t	4.4	6.3	8.1	10.4	13.1	15.6
Operating weight	t	6.1	9.98	11.4	15.4	19.05	23.6
Overall dimensions - Length	mm	3455	4030	4170	4910	6797	7155
Overall dimensions - Widt	mm	2015	2220	2435	2435	2587	2820
Overall dimensions - Height	mm	2960	3170	3250	3545	3702	3970

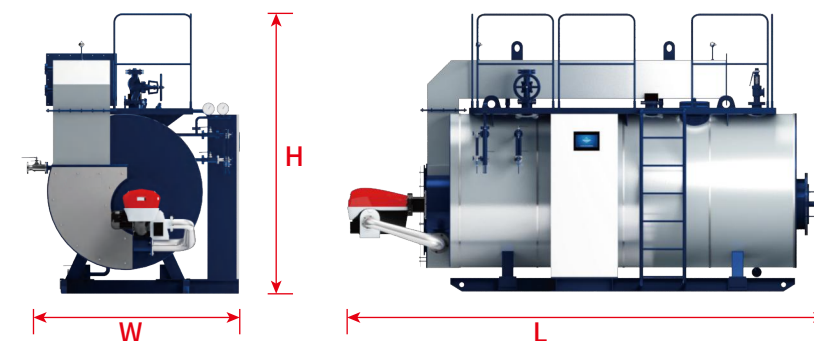
The natural gas low-temperature heat value is calculated at 9140 kcal/Nm³.
Due to continuous technological improvements, any changes will not be notified. For detailed parameters, please contact us for further information.

Integrated condensing steam boiler

Rated Evaporation Capacity:
1t/h~30t/h



1. The new wing tube replaces the traditional one, which enhances heat transfer efficiency, improves thermal efficiency and lowers exhaust temperature.
2. With a large steam space and an in-built steam-water separation device, it ensures the dryness and quality of steam, reduces water volume and enables faster steam generation time.
3. Fully new technology support, the boiler volume is reduced by 40%.
4. The energy saver and condenser are integrated, featuring a small size and strong fouling capacity.
5. The boiler has a high degree of automation control, high reliability in operation and simple, intuitive operation.



Product parameters		WNS1 1.0-Y、Q	WNS2 1.25-Y、Q	WNS3 1.25-Y、Q	WNS4 1.25-Y、Q	WNS6 1.25-Y、Q	WNS8 1.25-Y、Q	WNS10 1.25-Y、Q	WNS15 1.25-Y、Q	WNS20 1.25-Y、Q	WNS25 1.25-Y、Q	WNS30 1.25-Y、Q
Rated Evaporation capacity	t/h	1	2	3	4	6	8	10	15	20	25	30
Rated Steam pressure	Mpa	1.0	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Rated Inlet water temperature	℃	20	20	20	20	20	20	20/104	20/104	20/104	20/104	20/104
Total power consumption	kw	6	8.5	15	15	22	30.5	38	67	91.5	127.5	143
Rated Thermal efficiency	%	102.47	102.12	102.61	102.8	102.83	102.62	102.41	102.79	103.08	102.53	102.45
Gas consumption	Nm³/h	71.69	140.60	217.32	274.85	412.14	550.69	689.78	1033.749	1378.099	1722.63	2067.23
Breathing out	DN	DN50	DN65	DN80	DN100	DN125	DN125	DN150	DN200	DN200	DN200	DN250
Safety valve interfac	DN	DN40	DN50	DN50*2	DN50*2	DN65*2	DN65*2	DN80*2	DN100*2	DN100*2	DN100*2	DN125*2
Inlet	DN	DN25	DN40	DN40	DN50	DN50	DN50	DN50	DN65	DN65	DN65	DN80
Waste discharge outlet	DN	DN40	DN40	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50	DN50
Smokestack	mm	460*220	460*340	460*420	460*497	760*474	760*684	760*870	960*889	960*1183	960*1183	1090*1490
Lengtha	mm	4258	5118	5330	5946	6030	7122	8160	8125	8863	9365	8900
Width	mm	2565	2565	2844	2943	3252	3413	3468	4035	4212	4212	5950
Height	mm	2929	2929	3412	3312	3688	4114	4310	4743	5177	5177	5800
Floor area	m²	10.92	13.13	15.16	17.50	19.61	24.31	28.30	32.78	37.33	39.45	52.96
Net weight	t	6.36	7.50	9.29	9.88	13.07	17.03	20.07	26.08	35.88	40.88	53.09
Full water weight	t	7.72	9.69	13.45	13.95	18.68	25.69	29.27	42.10	55.55	61.86	76.85
Volume of water	L	1360	2190	4160	4070	5610	8660	9200	16020	19670	20980	23760

Combustion regulation method: Ratio of air to fuel ratio adjustment Rated steam temperature: 194°C; Power supply requirement: 380V / 50Hz; Natural gas calorific value: Calculated based on 9140 kcal/Nm³

Due to continuous technological improvements, any changes will not be notified. For detailed parameters, please contact us for further information.



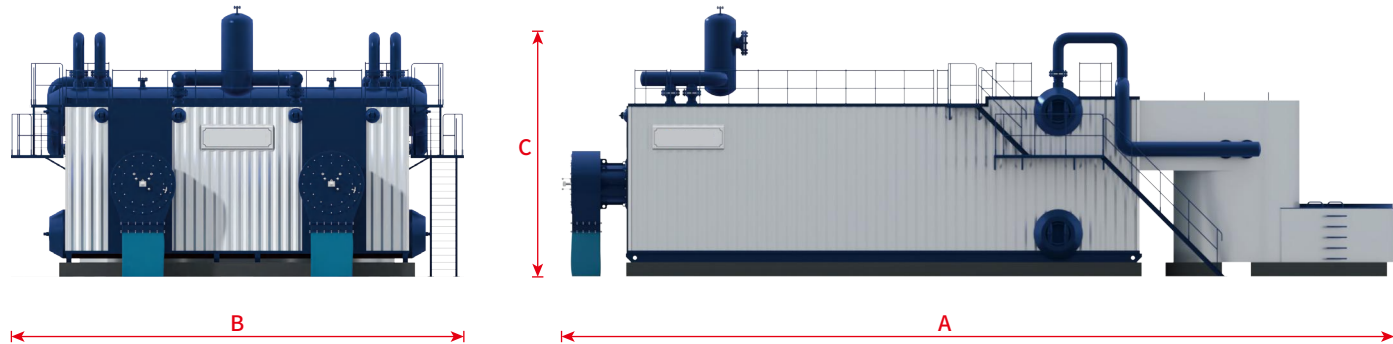
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Hot Water Section

QX S type hot water pipe boiler

Rated heating capacity : 58MW~210MW

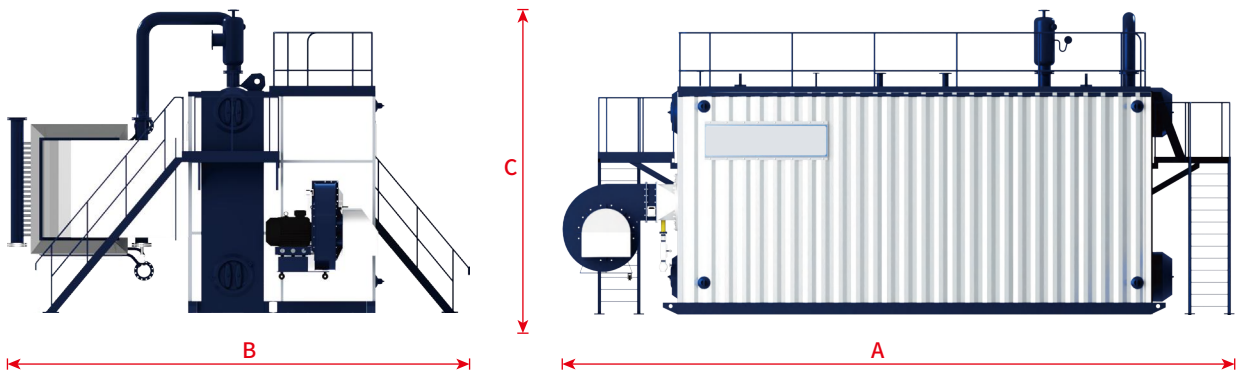
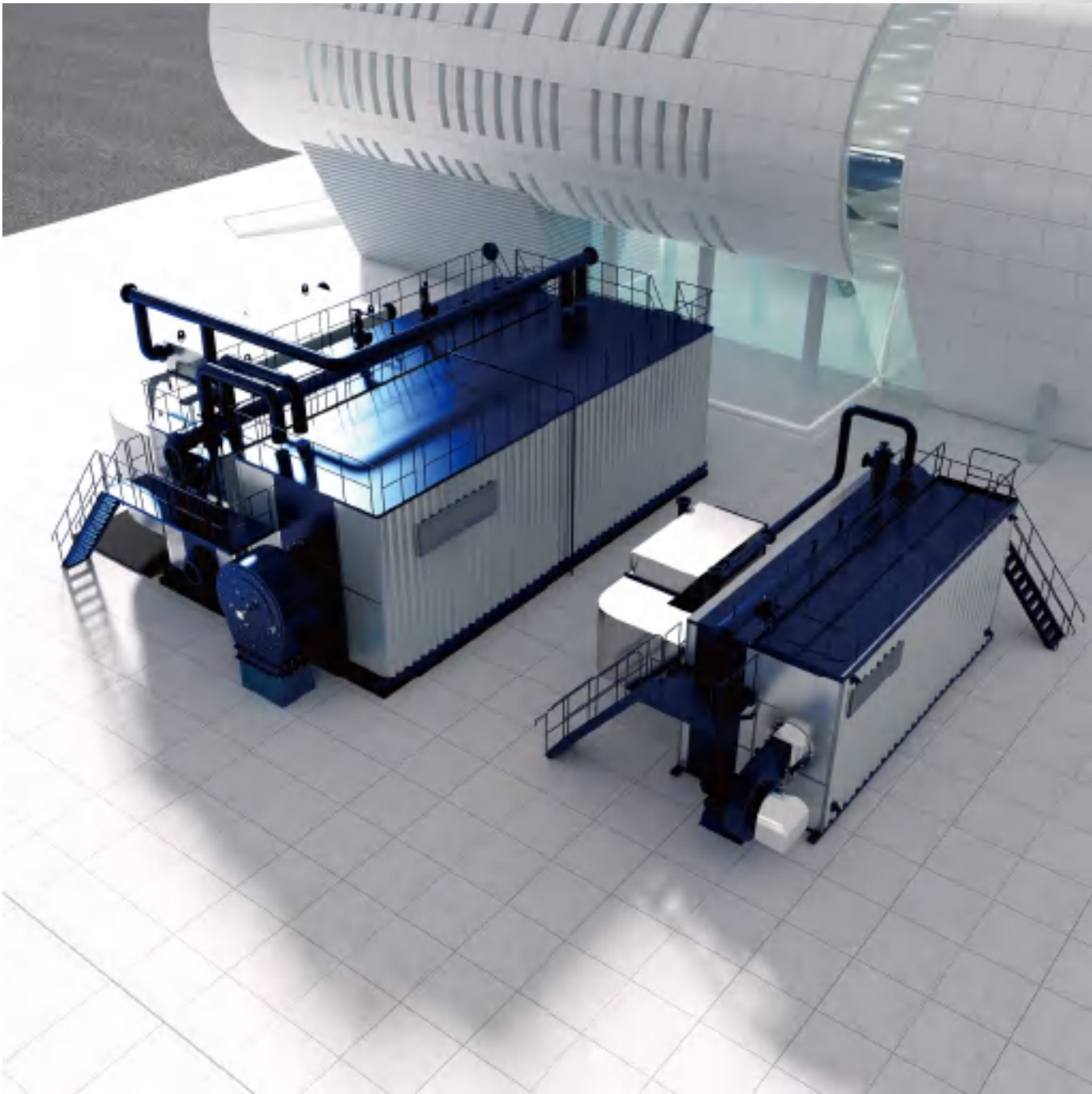


Project Model Number			QXS58-1.6 /130/70-Y(Q)	QXS70-1.6 /130/70-Y(Q)	QXS116-1.6 /130/70-Y(Q)	QXS140-1.6 /130/70-Y(Q)	QXS210-1.6 /130/70-Y(Q)
SIZE	A	mm	21500	22600	21620	23000	24000
	B	mm	4300	4800	9600	10600	15000
	C	mm	6450	6500	8200	8200	8200
Rated heating power		MW	58	70	116	140	210
Rated discharge pressure		MPa	1.6	1.6	1.6	1.6	1.6
Supply pressure	Natural gas	mbar	500	500	500	500	500
	Urban gas	mbar	500	500	500	500	500
	Liquefied petroleum gas	mbar	500	500	500	500	500
Fuel consumption	Diesel fuel	kg/h	5028.7	6069.1	10060.6	12138	18207
	Heavy oil	kg/h	5236.5	6319.9	10437	12639.8	18960
	Natural gas	Nm ³ /h	5672.7	7065	11345.4	14130	21195
	Urban gas	Nm ³ /h	12698.6	15325.9	25397.2	30651.8	45978
	Liquefied petroleum gas	Nm ³ /h	4955.5	5980.8	9911	11961.6	17940
Fran-PN		MPa	2.5	2.5	2.5	2.5	2.5
Inlet/outlet of water supply/drainage -DN		mm	400	400	600	600	800
Manual sewage discharge outlet-DN		mm	50	50	50	50	50
Safety valve interface-DN		mm	200*2	200*2	200*4	250*2+200*2	250*2+200*2
Smoke exhaust interface size		mm	Φ2000	Φ2400	Φ2000*2	Φ2400*2	Φ2400*2
General Motors	Power supply:380V/50Hz		★ Micro-positive pressure chamber combustion method, fully automatic proportional regulation				
	Thermal efficiency:≥97%		★ The fuel consumption is the figure after the condenser is installed;				
	Steam supply temperature: 70℃		★ Fuel calorific value: 9140 kcal/Nm ³ for natural gas, 4500 kcal/Nm ³ for urban gas, and 24998 kcal/Nm ³ for liquefied petroleum gas.				
	Water outlet temperature: 70℃		★ Due to continuous technical improvements, any changes will be made without notice.				

Due to the nature of the bidding for water-tube boilers, the parameters listed in the table below are for reference only.

SZ S type hot water pipe boiler

Rated heating capacity : 14MW~70MW



Project Model Number			SZS14-1.25 /130/70-Y(Q)	SZS21-1.6 /130/70-Y(Q)	SZS29-1.6 /130/70-Y(Q)	SZS46-1.6 /130/70-Y(Q)	SZS58-1.6 /130/70-Y(Q)	SZS64-1.6 /130/70-Y(Q)	SZS70-1.6 /130/70-Y(Q)
Form			integrated	integrated	integrated	integrated	split-type integrated	split-type integrated	split-type integrated
SIZE	A	mm	11190	12750	13650	16200	18500	18500	20610
	B	mm	7650	7740	8330	10020	11100	12790	12850
	C	mm	5200	5280	5470	5690	6190	6280	6880
	Rated heating power		MW	14	21	29	46	58	64
Rated discharge pressure		MPa	1.25	1.6	1.6	1.6	1.6	1.6	1.6
Supply pressure	Natural gas	mbar	300	450	450	450	500	500	500
	Urban gas	mbar	300	450	450	450	500	500	500
	Liquefied petroleum gas	mbar	300	450	450	450	500	500	500
Fuel consumption	Diesel fuel	kg/h	1211.5	1820.2	2513.8	3957.9	5028.7	5498.8	6021.7
	Heavy oil	kg/h	1259.4	1894.9	2617.4	4103.5	5258.5	5709.2	6252.1
	Natural gas		1358.6	2044.2	2823.6	4426.7	5672.7	6158.9	6744.6
	Urban gas		2759.5	4152.0	5735.0	8991.1	11521.9	12509.4	13699.0
Fran-PN		MPa	1.6	2.5	2.5	2.5	2.5	2.5	2.5
Inlet/outlet of water supply/drainage -DN		mm	200	250	250	400	400	400	400
Manual sewage discharge outlet-DN		mm	50	50	50	50	50	50	50
Safety valve interface-DN		mm	125	150	150	200	200	200	200
Smoke exhaust interface size		mm	1050*1400	1054*1300	1050*2050	1525*2445	1370*2450	2445*2045	1890*2445
General Motors	Power supply:380V/50Hz		★ Micro-positive pressure chamber combustion method, fully automatic proportional regulation						
	Thermal efficiency:≥97%		★ The fuel consumption is the figure after the condenser is installed;						
	Steam supply temperature: 70℃		★ Fuel calorific value: 9140 kcal/Nm³ for natural gas, 4500 kcal/Nm³ for urban gas, and 24998 kcal/Nm³ for liquefied petroleum gas.						
	Water outlet temperature: 70℃		★ Due to continuous technical improvements, any changes will be made without notice.						

Due to the nature of the bidding for water-tube boilers, the parameters listed in the table below are for reference only.

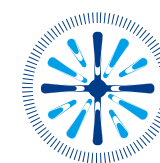


THALIA_T7

FIRLow nitrogen vacuum hot water boiler
Rated heating capacity:3500kW~200000kW



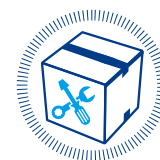
Low nitrogen and oxygen emissions
 $\text{Nox} < 30 \text{mg/m}^3$



Wing technology
High heat exchange efficiency



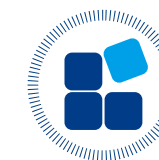
FIR combustion technology
Internal circulation of flue gas



Minimalist installation method
Overall design and on-site commissioning



Humanized control system
High degree of automation

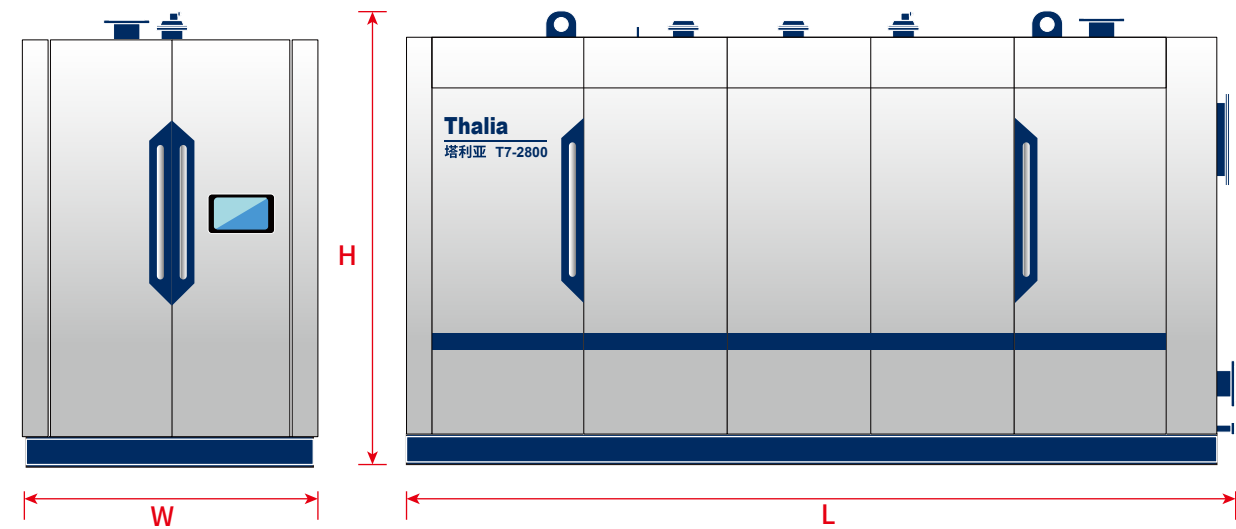


Intelligent modular system
Automatically adjust the operation combination

THALIA_
T7

Note:
Power supply requirement: 380V / 50Hz;
Thermal efficiency: 107% (low-temperature operation condition)
Burning regulation method: variable frequency electronic proportional control;
Natural gas low calorific value: 9140 kcal/Nm³;
Due to continuous technological optimization, the above parameters are for reference only.
The detailed parameters shall be subject to the drawings.

The pressure of the heat exchange equipment can respond to the user's special requirement of 1.6 MPa.



Model Number	Rated heating capacity	SIZE			Valve group diameter	Chimney	Operating weight			Distribution power	Common vacuum $\Delta t = 10^{\circ}\text{C}$ inlet and outlet water temperature $\leq 85^{\circ}\text{C}$	Common vacuum $\Delta t = 20^{\circ}\text{C}$ inlet and outlet water temperature $\leq 110^{\circ}\text{C}$	Common vacuum $\Delta t = 25^{\circ}\text{C}$ inlet and outlet water temperature $\leq 110^{\circ}\text{C}$	Heat exchanger Pipe diameter	Gas consumption	Natural gas pressure
		length	width	height												
Unit	kW	mm	mm	mm	mm	mm	t			kW	m ³ /h	m ³ /h	m ³ /h	mm	Nm ³ /h	kPa
T7-3500	3500	6550	1730	2720	50	550	11.2			15	300	150	120	200	312.2	20-30
T7-3850	3850	6550	1730	2720	50	550	11.6			15	330	165	132	200	341.9	20-30
T7-4200	4200	6550	1730	2720	50	550	11.9			15	360	180	144	200	372.3	20-30
T7-4900	4900	7060	1800	2765	65	600	13.3			15	420	210	168	250	434.4	20-30
T7-5600	5600	7060	1800	2765	65	600	13.7			22	480	240	192	250	497.1	25-35
T7-6300	6300	7080	1900	2885	80	700	16.1			22	540	270	216	250	559.2	25-35
T7-7000	7000	7080	1900	2885	80	700	16.7			22	600	300	240	250	622.6	25-35
T7-8400	8400	7200	1900	3000	80	850	18.8			30	720	360	288	300	747.8	25-35
T7-10500	10500	8370	2300	3375	100	850	24.8			55	900	450	360	300	934.6	25-35
T7-14000	14000	9000	2400	3835	100	1050	29.1			75	1200	600	480	300	1246.2	25-35
T7-21000	21000	9000	2600	3950	150	1150	55.8			110	1800	900	720	300	1869.6	30-40
T7-29000	29000	10690	3800	4070	150	1500	61			132	2400	1200	960	350	2491.8	35-45
T7-58000	58000	10690	6800	4260	150×2	2100	120			132×2	4800	2400	1920	500	4982.6	40-50

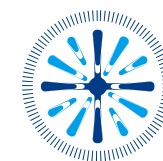


THALIA_T7

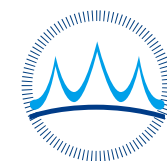
All-mix vacuum hot water boiler
Rated heating capacity:350kW~7000kW



Low nitrogen and oxygen emissions
 $\text{Nox} < 30 \text{mg/m}^3$



Wing technology
 High heat exchange efficiency



FIR combustion technology
 Internal circulation of flue gas



Minimalist installation method
 Overall design and on-site commissioning



Humanized control system
 High degree of automation

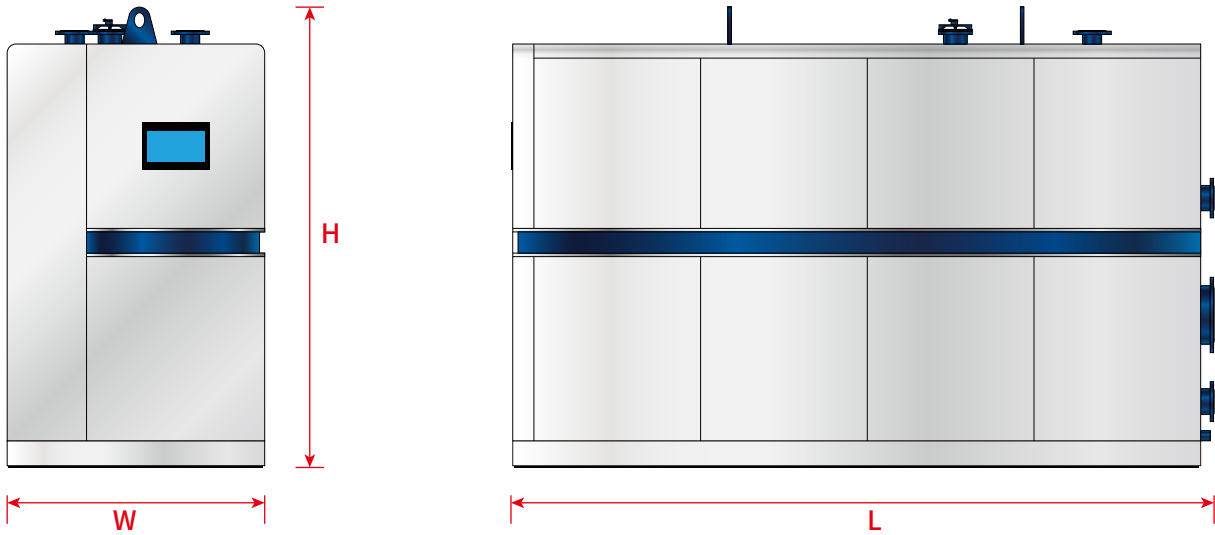


Intelligent modular system
 Automatically adjust the operation combination

THALIA_
T6

Remarks:
This parameter takes the condensing type as the reference standard.
Thermal efficiency is 105% (107% under low-temperature working conditions), and the combustion regulation mode is proportional control.
The low calorific value of natural gas is calculated as 9,140 kcal/Nm³.
Due to continuous technological optimization, the above parameters are for reference only. The detailed parameters shall be subject to the drawings.

The standard circuit of the heat exchanger unit is a single circuit, and non-standard circuits can be customized according to the actual needs of customers. Models T6-1925 and above are available with a low gas pressure configuration for optional selection.

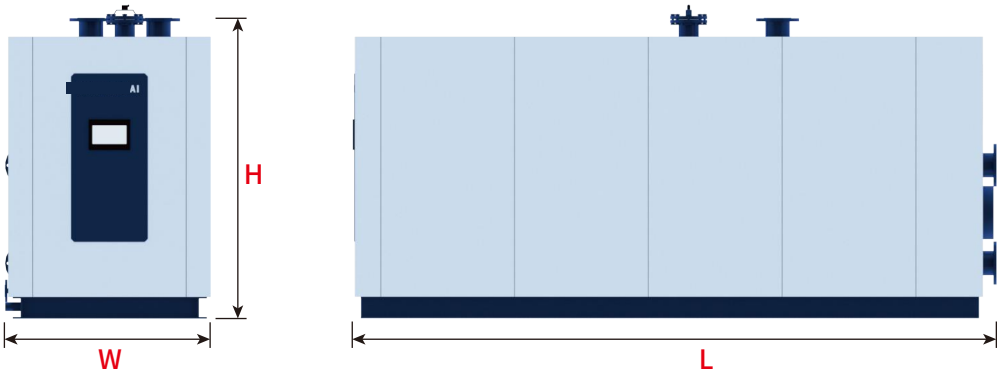


Model Number	Rated heating capacity	SIZE			Gas interface nominal diameter DN	chimney	operating weight	power supply requirements	power distribution capacity	△t=10℃ Inlet water temperature Outlet water temperature: 50℃ / 60℃	△t=20℃ Inlet/Outlet water temperature: 40/60℃ or 60/80℃	△t=25℃ Inlet water temperature Outlet water temperature: 60℃ / 85℃	Heat exchanger nozzle nominal diameter DN	Natural Gas Consumption	Dynamic Pressure Before Gas Valve
		length	width	height											
Unit	kW	mm	mm	mm	mm	mm	t	V/HZ	kW	m³/h	m³/h	m³/h	mm	Nm³/h	kPa
T6-350	350	2440	860	1510	25	200	1.55	220/50	2.2	30	15	12	65	31.4	0.8 ~ 5
T6-465	465	2440	860	1510	25	200	1.58	220/50	2.2	40	20	16	80	41.7	0.8 ~ 5
T6-580	582	3105	1130	1730	50	300	2.89	220/50	2.8	50	25	20	100	52	0.8 ~ 5
T6-700	700	3105	1130	1730	50	300	3.02	220/50	2.8	60	30	24	100	62.7	0.8 ~ 5
T6-930	930	3030	1400	1950	50	350	4.08	380/50	4.3	80	40	32	125	83.3	3 ~ 5
T6-1160	1163	3030	1400	1950	50	350	4.104	380/50	4.3	99	50	40	125	103.9	3 ~ 5
T6-1400	1400	3280	1400	1950	50	350	4.65	380/50	5.3	120	60	48	150	124.7	3 ~ 5
T6-1745	1745	3895	1420	2050	65	350	5.09	380/50	8.5	150	75	60	150	152.8	8 ~ 30
T6-2100	2100	4120	1570	2275	80	450	7.02	380/50	6.5	180	90	72	200	188.2	9 ~ 30
T6-2330	2326	4120	1570	2275	80	450	7.08	380/50	6.5	200	100	80	200	208.8	9 ~ 30
T6-2800	2800	4120	1570	2275	80	450	7.15	380/50	8.5	240	120	96	200	248.4	9 ~ 30
T6-3500	3500	4520	1820	2540	100	550	9.27	380/50	12	300	150	120	250	310.5	18 ~ 30
T6-4200	4200	4520	1820	2540	100	550	9.47	380/50	12	362	181	144	250	372.6	18 ~ 30
T6-5600	5600	6000	1985	2745	125	700	13.1	380/50	19.5	480	240	192	250	497.2	25 ~ 30
T6-7000	7000	6200	1985	2745	125	700	13.7	380/50	23	600	300	240	250	621.5	25 ~ 30

DUAL
D6

Double-effect deep condensation vacuum hot water boiler
Heating range:700kW-4200kW

The exhaust gas temperature of 20°C = High-efficiency, low-nitrogen, energy-saving and gas-saving + Low-carbon environmentally friendly and no thermal pollution + Suitable material for chimney can be PVC



Model	Unit	D6-700	D6-1400	D6-2100	D6-2800	D6-3500	D6-4200
Rated heat output	KW	700	1400	2100	2800	3500	4200
Hot water production 10/60°C	t/h	12	24	36	48	60	72
Natural gas consumption	Nm³/h	59.9	119.1	179.8	237.3	296.6	355.9
Dynamic pressure at the front of the gas valve	kpa	0.8~5	3~5	9~30	9~30	18~30	18~30
Gas interface diameter	DN(mm)	50	50	80	80	100	100
Gas pipeline diameter<	DN(mm)	50	80	80	80	100	100
Flue Size	DN (mm)	300	350	450	450	550	550
Operating Weight	t	3.12	4.83	7.27	7.43	10.37	10.87
Shipping Weight	t	2.79	4.04	6.29	6.45	8.87	9.39
Length	mm	4500	4780	5720	5720	6520	6520
Width	mm	1130	1400	1570	1570	1820	1820
Height	mm	1880	2150	2575	2575	2940	2940
Power Distribution Capacity	KW	9.8	19.8	20.5	36.5	51	56
Heat Exchanger Nozzle Diameter	DN(mm)	100	150	200	200	250	250
Type A Heat Exchanger	Δt = 10 °C, with an inlet/outlet water temperature of 50/60 °C, suitable for floor heating and central air - conditioning heating.						
Circulating Water Volume	m³/h	60	120	180	240	300	362
Pressure Loss	kpa	34	32	53	60	55	61
Type B Heat Exchanger	Δt = 20 °C, with inlet/outlet water temperatures of 40/60 °C or 60/80 °C, suitable for domestic hot water.						
Circulating Water Volume	m³/h	30	60	90	120	150	181
Pressure Loss	kpa	25	23	36	46	45	51
★ Due to continuous technological optimization, the above parameters are for reference only. Detailed parameters shall be subject to the drawings. ★ The standard circuit of the heat exchanger unit is a single - circuit. Non - standard circuits can be customized according to the actual needs of customers. ★ Models D6 - 1925 and above are available with a low - gas - pressure configuration for selection.		Power Supply: 380 V / 50 Hz Thermal Efficiency: 112% (under specific working conditions) Rated Pressure of Heat Exchanger: 1.6 MPa					Combustion Regulation Mode: Ratio control Lower Heating Value of Natural Gas: 9140 kcal/Nm³



HEROLD -H7

Diffusion-type Atmospheric Pressure Hot Water Boiler
Rated heating capacity: 4200kW~14000kW

1. After full combustion, the flame travels from the furnace section smoke tubes condenser directly to the chimney. The flue gas path has no turns, resulting in low overall boiler resistance and no risk of vibration.
2. By comprehensively considering the relevant properties of combustion and heat transfer, avoiding isolated operation and improving power density, the temperature difference between the exhaust gas and return water can be controlled within 10°C.
3. With a full wet-back structure, no refractory concrete is used in the entire boiler. The feather pipes are directly connected for easy front-and-back cleaning. Thanks to the fire-tube structure, there is no risk of tube explosion.
4. The overall packaging design reduces the decibel level of inlet air noise. Combined with the vibration-free single-return structure and the application of internal/external flue gas circulation technology, it eliminates troubles caused by vibration and noise.
5. The furnace body, condenser, and burner are integrated and shipped after factory debugging. On-site installation only requires connecting water, electricity, and gas, which shortens installation time and reduces workload.
6. The boiler has a small footprint and low height, and does not require a separate fan room.



Technical Parameters	Unit	H7-4200	H7-7000	H7-8400	H7-10500	H7-14000
Rated Heating Capacity	kW	4200	7000	8400	10500	14000
Natural Gas Consumption	Nm ³ /h	382.3	677.2	812.6	934.6	1245.6
Natural Gas Pressure	KPa	25-30	30-35	30-35	30-35	30-35
Power Distribution Capacity	kW	18.5	22	22	45	45
Power Supply Requirements	V/Hz	380/50	380/50	380/50	380/50	380/50
Circulating Water Volume : 10°C	m ³ /h	360	600	720	900	1200
Circulating Water Volume : 20°C	m ³ /h	180	300	360	450	600
Circulating Water Volume : 25°C	m ³ /h	144	240	288	360	480
Thermal Efficiency	%	105~107	105~107	105~107	105~107	105~107
Length	mm	6510	7160	7660	8150	8940
Width	mm	1840	2210	2310	3380	2675
Height	mm	3180	3595	3695	4380	4050
Gas Valve Group Bore Size	mm	DN80	DN100	DN100	DN125	DN125
Chimney Diameter	mm	550	700	700	850	900
Transport Weight	t	8.6	9.7	10.3	14.1	16.9
Inlet/Outlet Diameter	mm	DN200	DN250	DN250	DN300	DN300
Sewage/Drainage Outlet Diameter	mm	DN50	DN50	DN50	DN50	DN50

Lower heating value of natural gas: 9140 kcal/Nm³.

Due to continuous technological optimization, the above parameters are for reference only.
For detailed parameters, please refer to the drawings.

HEROLD -H6

Constant-pressure hot water boiler with fully premixed fuel
Rated heating capacity: 350kW~7000kW



The H 6 series boilers of Helid adopt advanced fully premixed planar combustion technology to increase the heat load of the furnace chamber and reduce the generation of NOx in the high-temperature type. For the flow-heated surfaces, a combination of large-space natural convection and forced convection is used to ensure uniform erosion of the heated surfaces and lower the requirements for boiler water quality. The heated surfaces at the low-temperature end adopt the unique Ultratenn technology, which greatly reduces the flue gas temperature of the boiler and improves the condensation rate of the flue gas. The boiler efficiency is significantly enhanced. This boiler type is an overall layout condensing boiler based on rigorous thermal theory calculations and years of experience in thermal layout network design, and it uses CFD (numerical simulation) technology. Compared with traditional condensing boilers, its floor area is reduced by more than 40%, saving infrastructure investment costs. This boiler type is highly suitable for low-temperature heating systems and solves the chronic problems of low-load operation and low-temperature corrosion in hot water boiler systems.

IRISH-I7



Diffusion-type pressure-bearing hot water boiler Rated heating capacity 4200kW~14000kW

By adopting the FIR combustion technology, the NO_x content is $\leq 30\text{mg}/\text{Nm}^3$; the emission concentration of smoke dust is low, and the Lenggerman blackness is at level I;

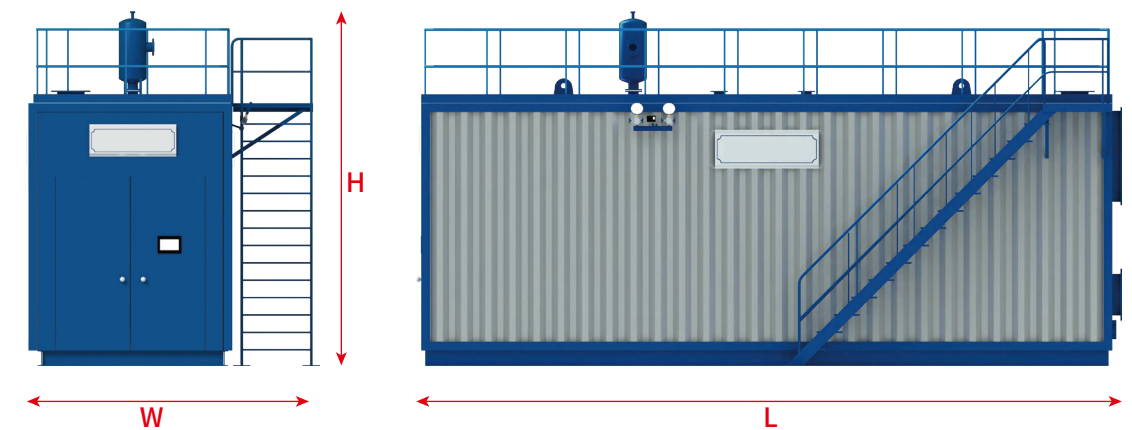
The inlet temperature of flue gas to the front tube sheet is low, which improves its working conditions;

The furnace body adopts wing tubes, with sufficient heat exchange area and meeting the heat exchange efficiency;

A condenser is provided, and the residual heat of flue gas is utilized in a stepwise manner, significantly improving the thermal efficiency; The layout of the heated surfaces of the tube sheet and the structure are optimized to enhance the performance of the boiler.

The furnace required for the FIR combustion is relatively short, which can significantly reduce the volume of the boiler; the heat exchange surface of the wing tube is large, and under the same effect, it can effectively reduce the volume of the boiler;

The condenser and the rear smoke box are integrated into one, further reducing the overall volume of the boiler; compared with ordinary boilers, the volume of I7 is reduced, and the advantage becomes more obvious as the tonnage increases.;



Technical Parameters	Unit	I7- 4200	I7- 5600	I7- 7000	I7- 10500	I7- 14000
Rated Heat Output	kW	4200	5600	7000	10500	14000
Rated Working Pressure	Mpa	1.0	1.0	1.0	1.0	1.0
Thermal Efficiency	%	97~106	97~106	97~106	97~106	97~106
Power Supply Rating	kW	15	22	37	55	75
Power Supply	V/Hz	380/50	380/50	380/50	380/50	380/50
Natural Gas Dynamic Pressure	kPa	30-40	30-40	30-40	30-40	30-40
Natural Gas Consumption	nm^3/h	372.3	497.5	622.6	934.6	1246.2
Circulating Water Volume at 10°C	m^3/h	360	480	600	900	1200
Circulating Water Volume at 20°C	m^3/h	180	240	300	450	600
Circulating Water Volume at 25°C	m^3/h	144	192	240	360	480
Inlet/Outlet Water Pipe Diameter	mm	DN150	DN200	DN200	DN300	DN300
Blowdown Pipe Diameter	mm	DN50	DN50	DN50	DN50	DN50
Gas Inlet Pipe Diameter	mm	DN65	DN65	DN80	DN100	DN125
Chimney Diameter	mm	550	600	700	850	1050
Length	mm	7259	7773	7878	8220	8950
Width	mm	2400	2605	2605	2850	3080
Height	mm	2716	2768	2846	3050	3120
Operating Weight	t	12.3	13.7	17.5	25.8	32.5

★ The lower heating value of natural gas is calculated as $38.3\text{MJ}/\text{Nm}^3$.

★ Due to continuous technological improvements, any changes will be made without prior notice.

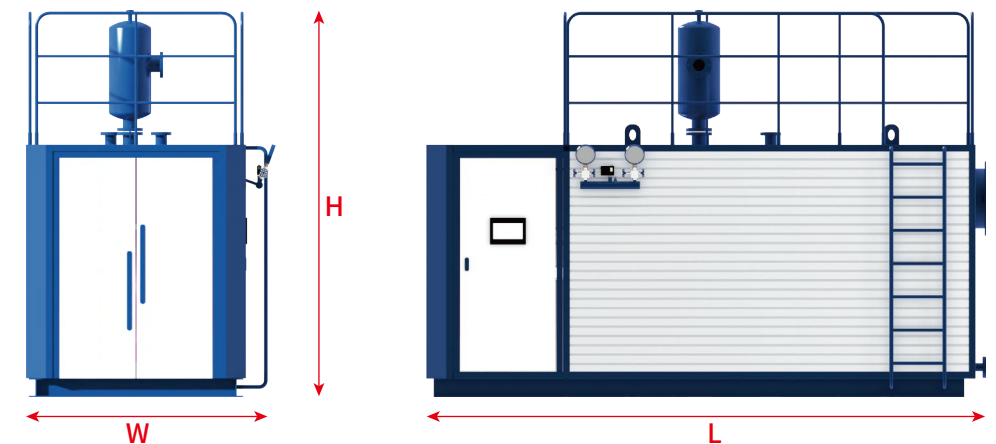
IRISH-I6



Fully Premixed Pressurized Hot Water Boiler Rated Heat Output: 2100kW~7000kW

Adopts premixed planar combustion technology, with $\text{NO}_x \leq 30 \text{ mg/Nm}^3$.
Low smoke and dust emission concentration, with Ringelmann blackness at Grade I.
Uniform temperature gradient in the furnace ensures superior heat absorption and transfer efficiency.
The furnace body uses feather pipes, providing sufficient heat exchange area to meet heat exchange efficiency requirements.
Equipped with a condenser to achieve cascade utilization of flue gas waste heat, significantly improving thermal efficiency.

Planar combustion requires a shorter furnace, which can significantly reduce the boiler volume.
Feather pipes have a large heat exchange area, effectively reducing the boiler volume under the same thermal effect.
The condenser is integrated with the rear smoke box to further minimize the overall boiler volume.
Compared with ordinary condensing hot water boilers, the I6 model reduces volume by approximately 60%.



Technical Parameters	Unit	I6- 2100	I6-28 00	I6-42 00	I6-56 00	I6-7 000
Rated Heat Output	kW	2100	2800	4200	5600	7000
Rated Working Pressure	Mpa	1.0	1.0	1.0	1.0	1.0
Thermal Efficiency	%	97~106	97~106	97~106	97~106	97~106
Power Supply Rating	kW	5.5	7.5	11	22	22
Power Supply	V/Hz	380/50	380/50	380/50	380/50	380/50
Natural Gas Dynamic Pressure	kPa	30-40	30-40	30-40	30-40	30-40
Natural Gas Consumption	nm^3/h	203.8	271.2	371.5	496.2	622.1
Circulating Water Volume at 10°C	m^3/h	180	240	360	480	600
Circulating Water Volume at 20°C	m^3/h	90	120	180	240	300
Circulating Water Volume at 25°C	m^3/h	72	96	144	192	240
Inlet/Outlet Water Pipe Diameter	mm	DN125	DN150	DN150	DN200	DN200
Blowdown Pipe Diameter	mm	DN50	DN50	DN50	DN50	DN50
Gas Inlet Pipe Diameter	mm	DN80	DN80	DN100	DN125	DN125
Chimney Diameter	mm	450	450	550	600	700
Length	mm	4608	4608	5250	5700	5870
Width	mm	1920	1920	2400	2605	2605
Height	mm	2362	2362	2716	2768	2846
Operating Weight	t	6.8	6.9	9.8	11.1	13.8

★ The lower heating value of natural gas is calculated as 38.3 MJ/Nm^3 .
★ Due to continuous technological improvements, any changes will be made without prior notice.



CALO_ C6

Commercial Low-NOx Gas Hot Water Boiler

Rated Heat Output: 120 kW ~ 1400 kW
(Pressurized, Exemption from Inspection, Direct Heating Supply for Heating)

Model		C6-120	C6-170	C6-230	C6-350	C6-470	C6-700	C6-1050	C6-1160	C6-1400
Thermal Rated Power	kW	120	170	230	350	470	700	1050	1160	1400
Rated Working Pressure	Mpa	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Power Supply Requirements	V/Hz	220/50							380/50	
Gas Dynamic Pressure	kPa	2~3	2~3	2~3	3~5	3~5	3~5	5~10	5~10	5~10
Valve Group Pipe Diameter	mm	1 [″]	1 [″]	1 [″]	1 [″]	1 [″]	DN32	2 [″]	2 [″]	2 [″]
Length	mm	695	820	820	925	925	1100	1260	1260	1260
Width	mm	600	740	740	845	845	980	1130	1130	1130
Height	mm	2100	2125	2125	2185	2185	2375	2480	2480	2480
Inlet/Outlet Water Connection	mm	DN65	DN65	DN65	DN80	DN80	DN100	DN100	DN100	DN100
Safety Valve Port	mm	DN25	DN25	DN25	DN40	DN40	DN40	DN65	DN65	DN65
Blowdown Outlet / Drain Outlet	mm	DN40	DN40	DN40	DN40	DN40	DN40	DN40	DN40	DN40
Smoke Exhaust Outlet	mm	159	159	159	219	219	219	300	300	300

★ The lower heating value of natural gas is based on 38.3MJ/Nm³.
★ Due to continuous technological improvements, any changes will be made without prior notice.
★ All models support non-condensing performance.



VALARIE_V6

Commercial Volumetric Gas Hot Water Boiler

Rated Heat Output: 58 kW, 73 kW, 99 kW
(Capable of Directly Generating Domestic Water)

Technical Parameters	Unit	V6-58	V6-73	V6-99
Rated Input Heat Load	kW	58	73	99
	kcal/h	50000	63000	85000
Relative Water Temperature Rise Rate (L/h)	20°C	2495	3139	4260
	35°C	1425	1795	2433
	65°C	770	965	1310
Gas Consumption T (2000 Pa)	m ³ /h	4.97	6.6	8.92
Thermal Efficiency	%	106.5	106.5	106.5
Storage Capacity	L	385	385	465
Weight	kg	380	390	430
Electrical Power	W	<200	<390	<390
Working Pressure	Mpa	1.0	1.0	1.0
Total Height	mm	2000	2000	2000
Furnace Body Diameter	mm	708	708	846
Body Height	mm	1710	1710	1710
Inlet Water Connection Height	mm	460	460	460
Outlet Water Connection Height	mm	1590	1590	1590
Inlet/Outlet Water Pipe Size	mm	DN40	DN40	DN40/DN50
Gas Inlet Connection Height	mm	1960	1960	1960
Gas Inlet Pipe Size	mm	DN20	DN20	DN20
Safety Valve Connection Height	mm	1590	1590	1590
Safety Valve Pipe Size	mm	DN20	DN20	DN20
Blowdown Valve Pipe Size	mm	DN40	DN40	DN40
Smoke Exhaust Outlet Diameter	mm	φ110	φ110	φ110

★ The rated input heat load is calculated based on the lower heating value of gas at 36 MJ/m³.
★ Due to continuous technological improvements, any changes will be made without prior notice.

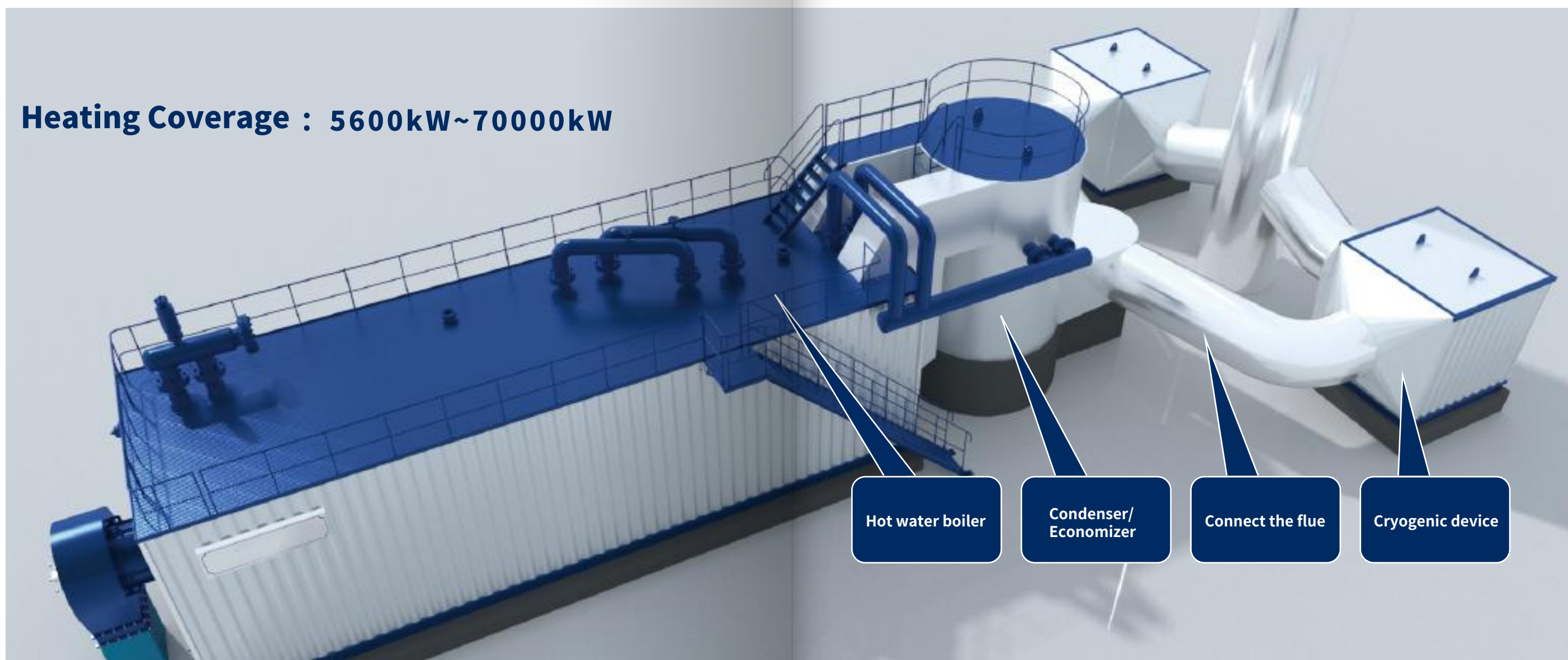


Yantai Myneng Machinery Equipment Co., Ltd.



Expansion Section

Heating Coverage : 5600kW~70000kW

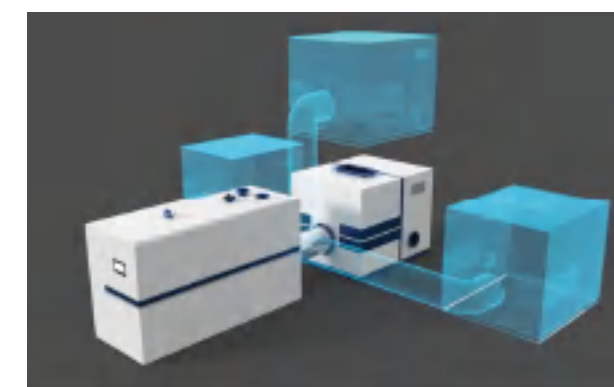


Dual

Dual - effect deep - condensation hot - water boiler - split type



Split-type Deep Cooler



Flexible Layout

Outdoor hot water boiler

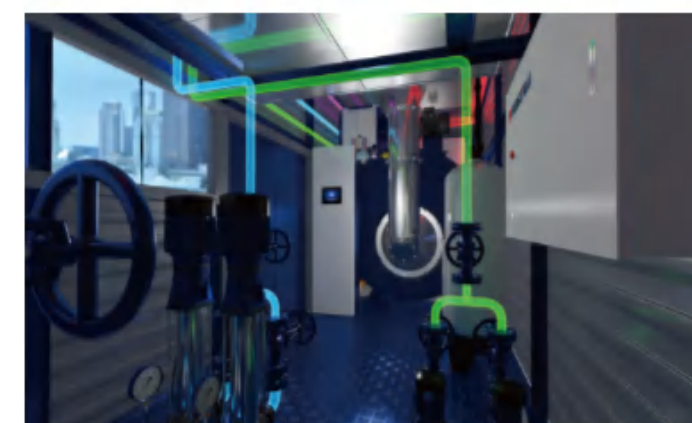
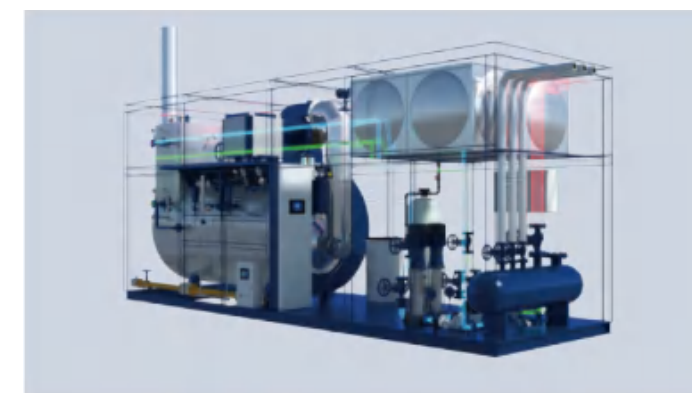
Heat supply range: 350 kW ~ 7000 kW



Product Features

1. After factory assembly and debugging, the product is delivered. On-site use only requires connecting water, electricity, and gas.
2. Reasonable structural design and good sealing performance, with features such as windproof, rainproof, and prevention of insects and rodents.
3. The exterior is made of anti-corrosion board + plastic spraying, with strong resistance to acid rain, salt spray, and corrosion, ensuring a long service life.
4. The product has a small footprint (comparable to indoor units), low input cost, and is easy to move.
5. Internal auxiliary machines can be equipped according to actual needs to meet the personalized requirements of different users.
6. The electric control cabinet is independently built-in, and the operation screen is designed with a protective window to prevent rain and moisture.
7. A built-in gas alarm can give advance warnings in case of large gas leaks, eliminating potential safety hazards.
8. Remote control system services can be equipped as needed, saving time and effort.
9. Pipeline tracing can be added according to user needs to avoid pipeline risks in extreme weather.

It can be used outdoors, and the internal space is designed to be spacious and ventilated.



Box-type skid-mounted boiler

Hot water boiler: 350kW ~ 4200kW

Steam boiler: 1t/h ~ 6t/h

A skid-mounted boiler integrates boilers, corresponding auxiliary machines, valve groups, equipment, pressure-bearing pipelines, etc., into a complete heating system by fixing them together.

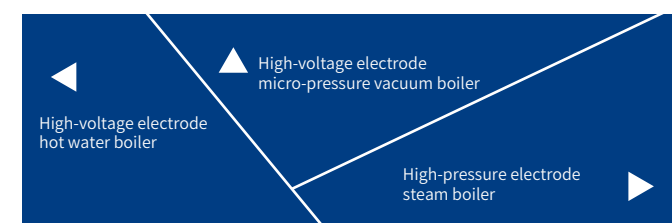
The product is fully installed and tested before delivery, featuring mobility, no on-site installation required, and a compact structure. It can be operated by simply connecting "gas, water, and electricity" pipelines on site.

Skid-mounted boilers are widely applicable to users in need of boiler heating, such as oilfields, construction sites, mobile units, and outdoor operations. They not only provide convenience to users but also save them significant installation costs.



High-Voltage Electrode Boiler

Power range: 2 - 60 MW



Product Features

Cylinder-type electrode heating structure, three-phase connection, Y-shaped connection; The main components of the boiler are assembled in the factory, saving a lot of on-site installation time.
Small volume, light weight, sufficient output, safe and reliable operation, advanced technology.
Convenient installation, simple foundation construction, low investment, and easy maintenance.
The boiler is equipped with complete automatic control, automatic adjustment, and safety protection devices, featuring simple operation.
High-voltage insulation between the inner and outer cylinders ensures electrical safety.

