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## درباره کتروا

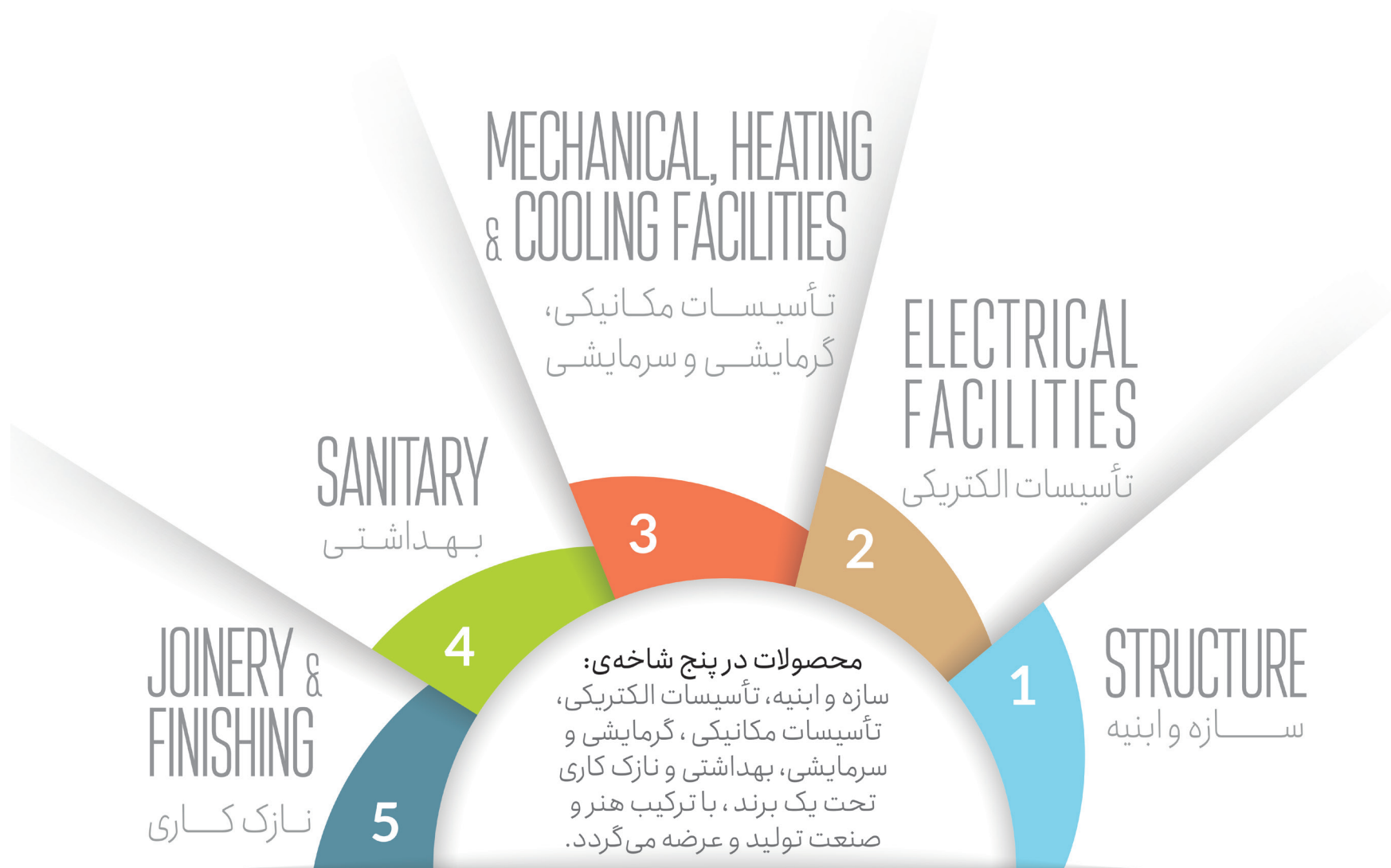
تأمین مصالح و تجهیزات پروژه‌های ساختمانی همواره یکی از مهم‌ترین دغدغه‌های سازندگان و مدیران پروژه‌هاست. اهمیت این مسئله نشأت گرفته از تأثیر مستقیم آن بر زمان بندی پروژه، هزینه تمام شده ساخت و ارزش ساختمان نهایی است.

تیم کتروا با هدف تسهیل فرایند تأمین کالاهای ساختمانی و با در نظر گرفتن مسئولیت اجتماعی خود، سامانه‌ای جامع و برخط را ایجاد نموده است. در این سامانه، سازندگان قادر خواهند بود برای پروژه‌های ساختمانی خود، زمان بندی تأمین مصالح و تجهیزات را آماده نمایند و براساس این برنامه، سفارش تأمین کالا داشته باشند. این سفارش‌ها با مقایسه کالاهای متنوع موجود در سامانه انجام می‌گیرد.

انبوه سازان، مهمترین مشتریان هدف کتروا هستند و کتروا تلاش می‌کند با برنامه ریزی منطقی برای سازندگان و با ارائه مدل خرید نقدی و اعتباری، تأمین و تحویل به موقع کالا را به مصرف کننده ارائه نماید.

تأمین کالاهای ساختمانی برای بازارهای صادراتی، یکی دیگر از اهداف اصلی کتروا است. کتروا قصد دارد بازار سنتی و غیرشفاف را به بازاری مدرن، پرسرعت و دقیق تبدیل نماید که در آن خریداران با مناسب ترین قیمت به کالاهای با کیفیت مدنظر خود دست یابند.

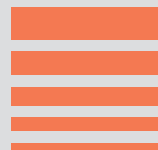




:Products are produced and supplied in five branches  
Structure, Electrical Facilities, Mechanical, Heating & Cooling Facilities,  
.Sanitary, Joinery & Finishing., combining art and industry



## Package and Condensing Boiler پکیج و دیگ چگالش





## Package and Condensing Boiler Series 2

- Equipped with radiation premix burner.
- The ability to adjust the temperature of the heating circuit according to the outside temperature.
- Ability to install cascade and internal network.
- Stainless steel heat exchanger.
- Small, silent and light weight.
- Quick and easy installation.
- Equipped with temperature, flow and water pressure safety sensors.
- Module or gradual adjustment of automatic flame according to energy consumption.
- Equipped with pump anti-seize system, water anti-freeze and electronic fault finder.
- Ability to connect to building management system (BMS) and network.
- Equipped with an advanced intelligent digital control system.
- Available in two types of packages and pots.
- Resistant to acids from sour gases.

## Dimensions of the Installation Site

اندازه های محل نصب

Model	Depth(mm)	The size of the center of the chimney from the top view of the device (mm)
226	370	110
230	370	130
235	370	150
240	400	200
245	450	220
250	450	250

## Specifications

مشخصات

## Technical Specifications

مشخصات فنی

Model	Heating Power (Kw)	Thermal Efficiency		Thermal Efficiency % (30% partial load)	Pressure (bar)	Dewatering Volume (Litre)	Natural Gas Consumption (m3/hr)	Maximum Chimney Temperature (50/30) °C	Weight of the Device without Water (Kg)
		Max(50/30)°C	Max(80/60)°C						
226	26	105	97.51	108.6	0.5-3	2.8	2.6	68	36
230	30	105	97.3	108.2	0.5-3	3.1	3	68	37
235	35	105	97.91	109.3	0.5-3	3.4	3.5	70	38
245	45	105	97.91	109.3	0.5-3	4	4.5	70	42
250	50	105	97.91	109.3	0.5-3	4.3	5	70	45



### **Ground Condensing Package and Boiler Series 4**

- Low fuel consumption with 107% thermal efficiency
- Compatibility with the environment
- Stainless steel heat exchanger
- Quick and easy installation
- In line with today's technology
- Module or gradual adjustment of automatic flame according to energy consumption
- Equipped with pump anti-seize system, water anti-freeze and electronic fault finder
- Ability to connect to building management system (BMS) and network
- Equipped with an advanced intelligent digital control system
- Resistant to acids from sour gases
- Ability to install cascade up to 30 devices (9600 kW in an engine room) in an intelligent way
- Small, silent, high dewatering volume and light weight
- Equipped with a control panel and safety sensors for temperature and water flow
- Equipped with Pre mix burner
- Pressure (bar)



## Sizes of the Installation Site Based on the Production Series

اندازه های محل نصب بر اساس سری ساخت

Model	Height (mm)	Width (mm)	Depth (mm)	The size of the heating pipes (inch)			Gas pipe size (inch)	Chimney diameter (mm)	The size of the center of the chimney from the side and back of the device (mm)	
	A	B	C	D	E	F	G	H	I	J
407	1745	605	705	1 1/4	1 1/4	1 1/4	3/4	φ80	120	600
412	1745	695	810	1 1/4	1 1/4	1 1/4	3/4	φ100	120	600
422	1775	825	955	2	2	2	1	φ160	160	825
432	1800	945	1100	DN65 PN10	DN65 PN10	DV65 PN10	1	φ200	160	950

## Specifications

مشخصات

## Technical Specifications

مشخصات فنی

Model	Heating Power			Thermal Efficiency		Thermal Efficiency % (30% partial load)	Pressure (bar)	Natural Gas Consumption (m3/hr)	Maximum Chimney Temperature		Dewatering Volume (Litre)	Weight of the Device without Water (Kg)
	Kw	Kcal/hr	Btu/hr	Max(50/30)°C	Max(80/60)°C	Max(50/30)°C			(50/30) °C	(80/60) °C		
407	70	60,000	240,000	102	98.3	107	0.8-6	7	42	67	160	212
412	125	108,000	432,000	102	98.3	107	0.8-6	12	42	67	265	280
422	220	190,000	760,000	102	98.5	107	0.8-6	22	45	67	380	410
432	320	275,000	1,100,000	102	98.5	107	0.8-6	32	45	67	530	540

**DEIQM**  
CERTIFICATION SERVICES  
**CERTIFICATE**

THE MANAGEMENT SYSTEM OF  
**TOSEE VA TAMIN BANA GOSTAR ASIA SAZEH CO. (KETROWA)**

NO.477, BETWEEN 1ST AND 2ND VAHID ST., SHAHID BEHESHTI BLVD., BAGHESTAN HWY., SHAHRJAR, TEHRAN PROVINCE, IRAN

has been assessed and certified as meeting the requirements of

**ISO 14001:2015**

Environmental management system

**FOR THE FOLLOWING ACTIVITIES**

Comprehensive Supplier of Building Materials

CERTIFICATE REGISTRATION NO.: QM5933306  
ORIGINAL CERTIFICATION DATE: MAY 07, 2025  
CURRENT CERTIFICATION DATE: MAY 07, 2025  
CERTIFICATE EXPIRY DATE: MAY 07, 2028  
THIS CERTIFICATE REMAINS VALID SUBJECT TO SATISFACTORY SURVEILLANCE AUDITS.

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Authorized Signatory  
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**ISO 45001:2018**

Occupational health and safety management system

**FOR THE FOLLOWING ACTIVITIES**

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**ISO 9001:2015**

Quality management system

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**IMS**

ISO 9001:2015 , ISO 14001:2015 , ISO 45001:2018

**FOR THE FOLLOWING ACTIVITIES**

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