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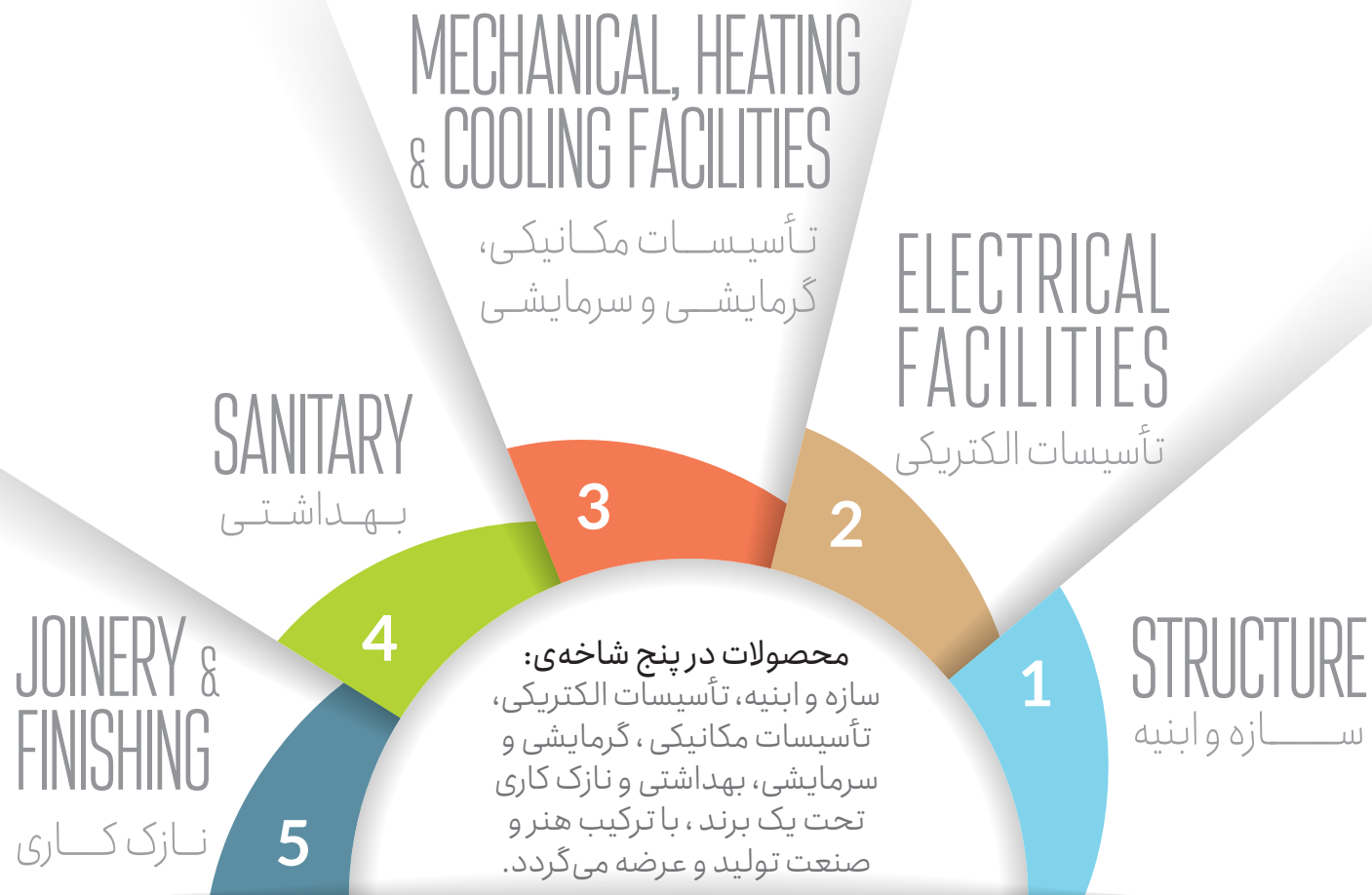
درباره کتروا

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.



Chiller & Mini Chiller

چیلر و مینی چیلر





7 Series Air-cooled Compression Chiller

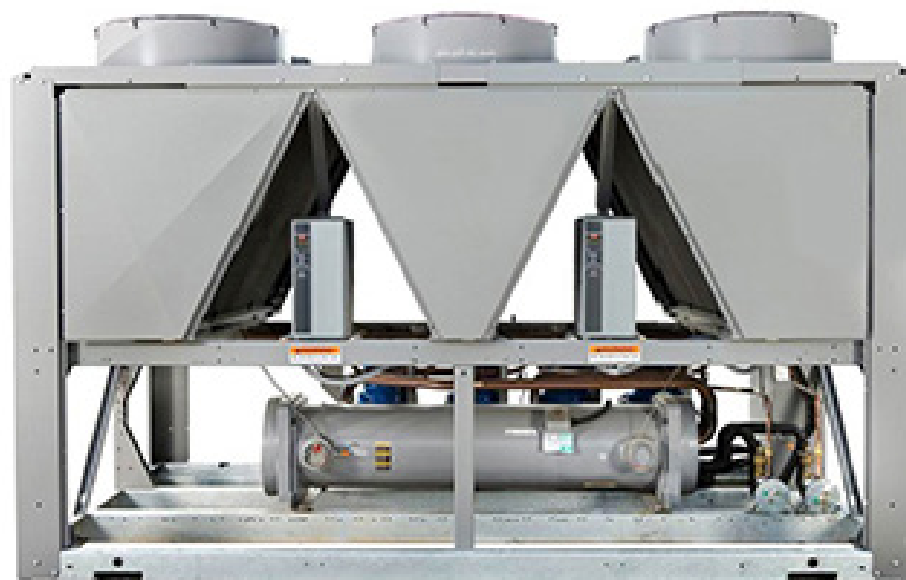
- Available in capacities of 10 to 1000 tons of refrigeration
- Equipped with a scroll or screw compressor according to the refrigeration capacity and the type of customer request
- Equipped with advanced intelligent electronic control circuit
- Condenser with high passing surface to increase efficiency and reduce noise
- Steel body with furnace color
- Ability to install cascade and internal network
- Shell and tube or plate evaporator according to order
- Has suitable thermal insulation to minimize energy loss from low temperature surfaces
- It has two separate circuits in order to increase efficiency and reduce the possibility of repairs and maintenance
- Ability to connect to building management system (BMS) and network
- In line with today's technology
- Low noise, high efficiency and low energy consumption
- Very suitable dimensions for minimum occupied space
- Equipped with an electronic fault-finding system
- Production in higher capacities up to 1000 tons is possible

Specification Table of Chiller with Scroll Compressor

جدول مشخصات چیلر با کمپرسور اسکرال

Weight (kg)	Height (mm)	Width (mm)	Length (mm)	Input and output connection size (inch)	Power consumption (kw)	Number of condenser fans (Number)	Number of refrigerant circuit (Number)	Refrigerant	Refrigeration Capacity (ton)	Specifications
									Unit	Type
500	1800	800	1500	1 _{1.2}	10.5	2	2	R22/R407C	10	710
550	1800	800	1500	1 _{1.2}	12	2	2	R22/R407C	12	712
650	1800	800	1700	2	15.5	2	2	R22/R407C	15	715
750	1800	800	2000	2	21	2	2	R22/R407C	20	720
950	1800	800	2000	2 _{1.2}	26	2	2	R22/R407C	25	725
1100	1800	1400	2200	2 _{1.2}	32	2	2	R22/R407C	30	730
1300	1800	1400	2500	3	42	2	2	R22/R407C	40	740
1450	1800	1400	2700	3	52	2	2	R22/R407C	50	750

Air-cooled / water-cooled chiller with scroll or screw compressors, which has two separate circuits in order to reduce the risk of repairs and maintenance, as well as optimize energy consumption at half-load times, equipped with a separate air-cooled / water-cooled V-type condenser converter. It is an axial fan with high life and good sound, and the condenser surface is designed with an engineering reliability factor so that the chiller can work with higher efficiency and also increase the life of the parts due to the reduction of working pressure. The evaporator shell is made of steel with appropriate thickness, which is divided into one or two separate parts in terms of refrigerant flow. R22, R134a refrigerants are defined as standard, and R407C refrigerant can also be ordered as an option. The performance of the chiller is controlled by the advanced control system at any moment to ensure optimal operation. Protection circuits are included to ensure correct working conditions at the highest standard level.



Specification Table of Chiller with Screw Compressor

جدول مشخصات چیلر با کمپرسور اسکرو

Air-cooled / water-cooled chiller with scroll or screw compressors, which has two separate circuits in order to reduce the risk of repairs and maintenance, as well as optimize energy consumption at half-load times, equipped with a separate air-cooled / water-cooled V-type condenser converter. It is an axial fan with high life and good sound, and the condenser surface is designed with an engineering reliability factor so that the chiller can work with higher efficiency and also increase the life of the parts due to the reduction of working pressure. The evaporator shell is made of steel with appropriate thickness, which is divided into one or two separate parts in terms of refrigerant flow. R22, R134a refrigerants are defined as standard, and R407C refrigerant can also be ordered as an option. The performance of the chiller is controlled by the advanced control system at any moment to ensure optimal operation. Protection circuits are included to ensure correct working conditions at the highest standard level.

Specification Table of Chiller with Screw Compressor

جدول مشخصات چیلر با کمپرسور اسکرو

Weight (kg)	Height (mm)	Width (mm)	Length (mm)	Power consumption (kw)	Input and output connection size (inch)	Number of condenser fans (Number)	Number of refrigerant circuit (Number)	Refrigerant	Refrigeration Capacity (ton)	Specifications	
										Unit	Type
1500	2500	2200	2400	59	4	4	1	R22/R407C	60		760
1900	2500	2200	3600	72	4	6	1	R22/R407C	70		770
2200	2500	2200	3600	81	4	6	2	R22/R407C	80		780
2300	2500	2200	4800	91	4	8	2	R22/R407C	90		790
2500	2500	2200	4800	103	5	8	2	R22/R407C	100		7100
2700	2500	2200	4800	113	5	8	2	R22/R407C	110		7110
2950	2500	2200	4800	119	5	8	2	R22/R407C	120		7120
3100	2500	2200	4800	138	6	8	2	R22/R407C	140		7140
3500	2500	2200	7200	163	6	12	2	R22/R407C	160		7160
3750	2500	2200	7200	183	6	12	2	R22/R407C	180		7180
3900	2500	2200	7200	200	6	12	2	R22/R407C	200		7200
4300	2500	2200	8400	216	6	14	2	R22/R407C	220		7220
4800	2500	2200	9600	230	6	16	2	R22/R407C	240		7240
5100	2500	2200	9600	256	6	16	2	R22/R407C	260		7260
5300	2500	2200	9600	283	6	16	2	R22/R407C	280		7280
5600	2500	2200	9600	297	6	16	2	R22/R407C	300		7300

Series 3 Air-cooled Mini Chiller

- Capacity of 2 to 7.5 tons of refrigeration
- 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
- Equipped with a scroll compressor
- Equipped with automatic expansion valve
- It has a circulating water pump and an expansion source
- Low noise, high efficiency and low energy consumption
- Very suitable dimensions for minimum occupied space
- Condenser with high passing surface to increase efficiency and reduce noise
- Cascading installation capability





Series 3 Air Cooled Mini Chiller

مینى چیلر هوا خنک سری ۳

PLUS has:

Accumulator, receiver, liquid line solenoid valve, refrigerant safety valve, liquid line sight glass and refrigerant gas valve in order to repair the device

SMART has:

Inverter compressor, electric expansion valve, oil separator and all the features of the plus type device



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