

# Box-Resistance Furnaces

DRYING OVEN

LABORATORY INCUBATOR

MUFFLE FURNACE

WATER DISTILLER

WATER BATH & OIL BATH

HEATING MANTLE

STIRRER

MIXER & SHAKER

HEATING PLATE & SAND BATH

DIGESTION APPARATUS & METAL BATH

NITROGEN SAMPLE CONCENTRATOR

CLEAN BENCH

STERILIZER

VACUUM PUMP

FILTRATION

GRINDER

COLONY COUNTER

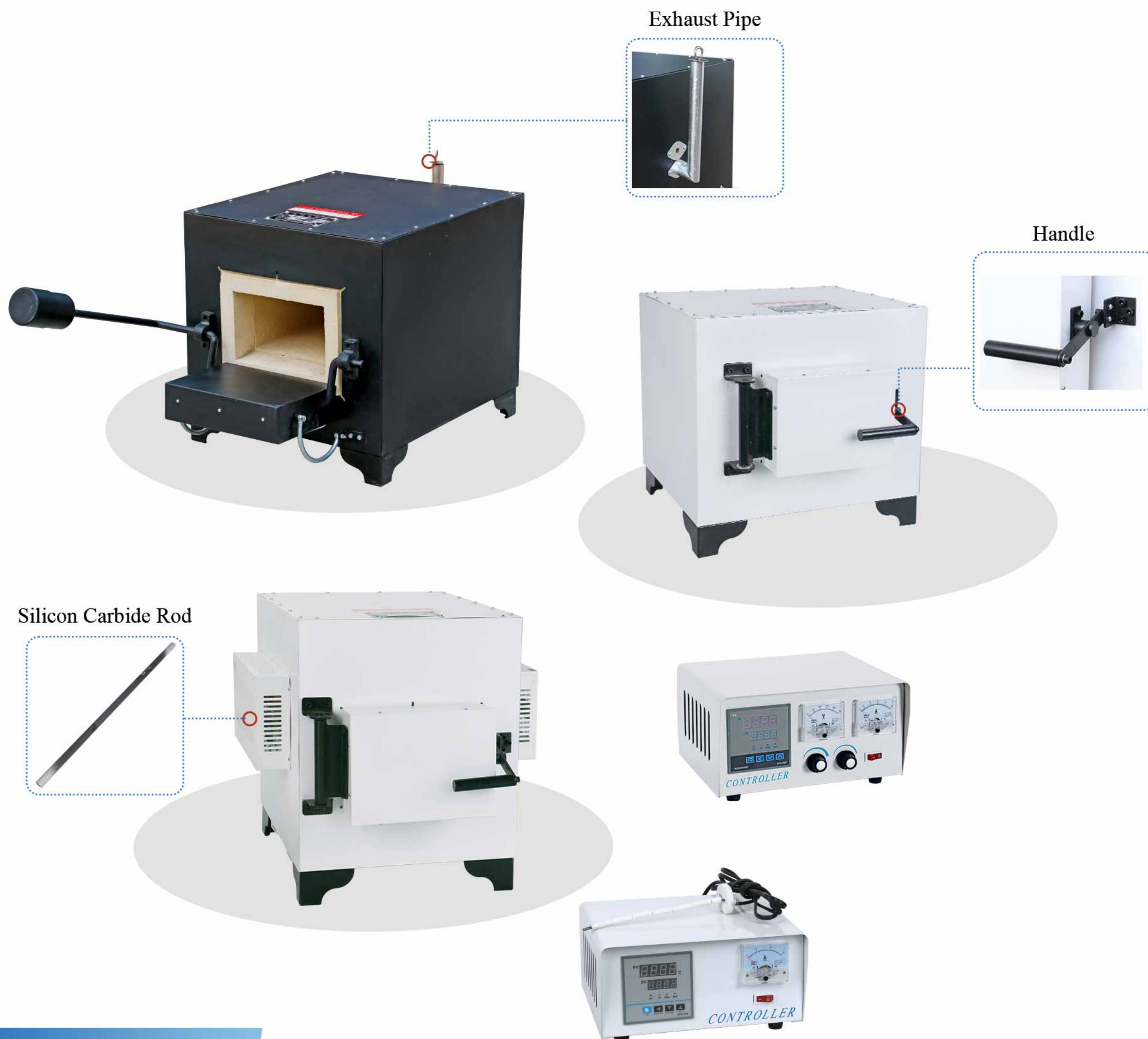
DRYER

CENTRIFUGE

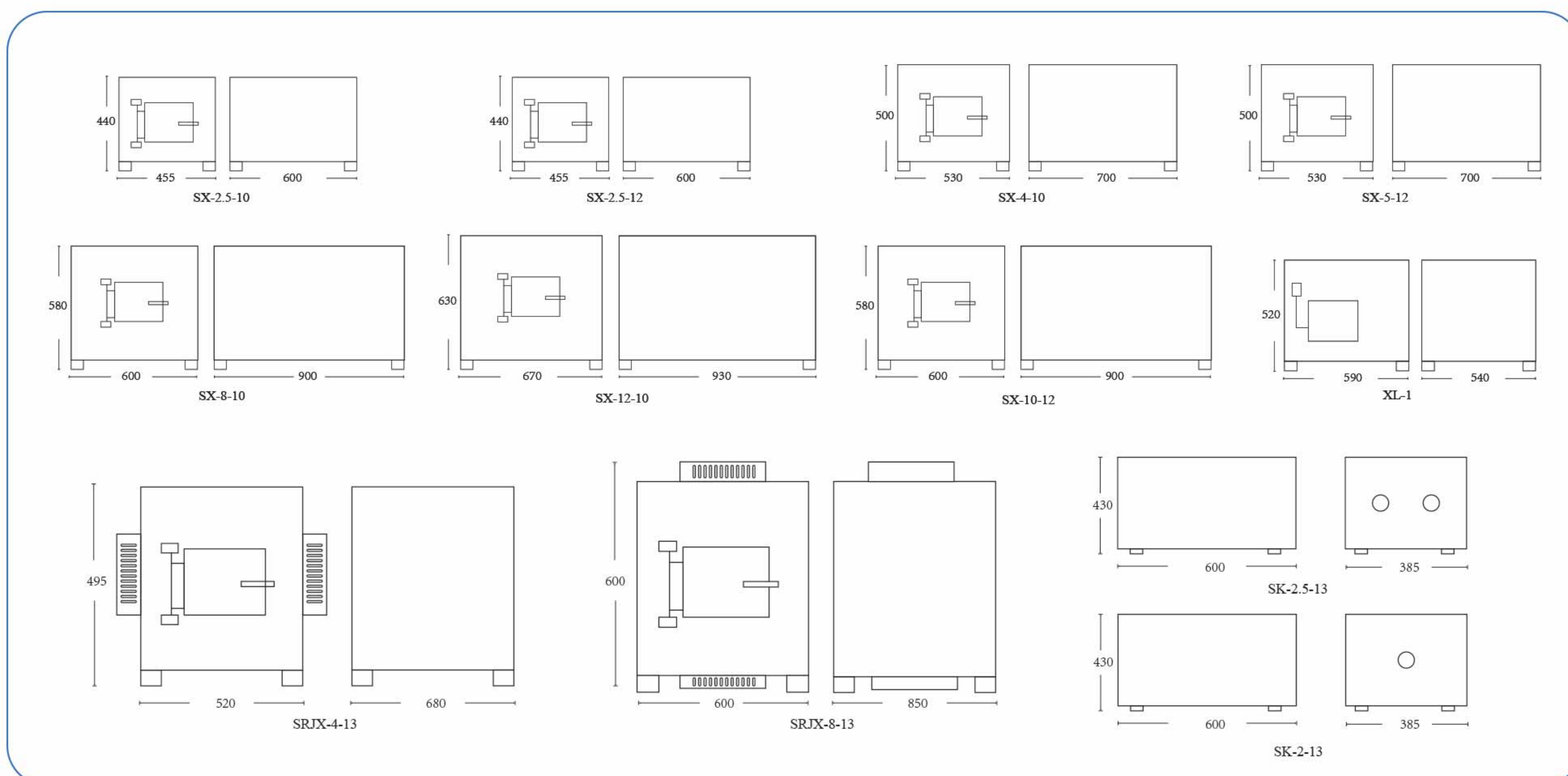
ELECTRIC FURNACE

LIFTING TABLE

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## Dimension(mm)



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The box-resistance furnaces used in element determination and heating in heat treatment of steel, such as hardening, annealing and tempering of laboratories, industrial mining enterprise, scientific research unit and colleges. The high temperature muffle furnace could be used in high temperature heating of metal, sintering, dissolution and analysis of ceramic.



● Industrial / mining enterprises ● Laboratory ● Scientific Research Units ● Small Steel Quenching ● Metal ● Ceramic

### Characteristics:

- The box-resistance furnaces adopt the cold rolling steel spraying exterior. Lifting and horizontal moving type door ensure the inner temperature evenness and no leakage under the high temperature.
- PID controller or Programmable controller as requirement. Controller has the function of timing and over-temperature protection.
- Medium temperature box adopts enclosed firepot. The spiral electric alloy wire coil as heating component coiled on the furnace walls. It is efficient and durable.
- High-temperature tubular furnace adopts high temperature proof combustion tube, and takes Silicon Carbide Rod as heating component to fix on the firepot exterior.
- High-temperature box-resistance furnace takes Silicon Carbide Rod as heating component to fix inside the firepot.
- The heat preservation material adopts 0.4-0.6 light cellular heat insulator stick and alumina silica cell cotton, it has lower thermal storage and heat conductivity factor, large thermal storage in firepot, heating fast, the furnace surface temperature is low and high effective.

### Major Technical Parameters:

Model	Rated power(kW)	Max Temp. (°C)	Rated voltage	Phases	Temp. rising time	Capacity	Size of inner chamber (W*D*H)(mm)	Size of Exterior (W*D*H)(mm)	Material of inner chamber	NW/GW(kgs)
SX-2.5-10	2.5	1000	AC220V 50Hz	Single	≤60	2	200*120*80	600*455*440	High Alumina Refractories	49/52
SX-4-10	4	1000	AC220V 50Hz	Single	≤80	7	300*200*120	700*530*500	High Alumina Refractories	91/94
SX-8-10	8	1000	AC380V 50Hz	Three	≤90	16	400*250*160	900*600*580	High Alumina Refractories	147/153
SX-12-10	12	1000	AC380V 50Hz	Three	≤100	30	500*300*200	930*670*630	High Alumina Refractories	197/202
SX-2.5-12	2.5	1200	AC220V 50Hz	Single	≤120	2	200*120*80	600*455*440	High Alumina Refractories	50/53
SX-5-12	5	1200	AC220V 50Hz	Single	≤135	7	300*200*120	700*530*500	High Alumina Refractories	91/93.8
SX-10-12	10	1200	AC380V 50Hz	Three	≤150	16	400*250*160	900*600*580	High Alumina Refractories	198/201
SRJX-4-13	4	1300	AC220V 50Hz	Single	≤250	4	250*150*100	680*520*495	High Alumina Refractories	92/96
SRJX-8-13	8	1300	AC380V 50Hz	Three	≤350	18	500*200*180	850*600*600	High Alumina Refractories	68/75
SK-2.5-13	2.5	1300	AC220V 50Hz	Single	≤60		φ22*2	385*600*430	High Alumina Refractories	20/26.4
SK-2-13	2	1300	AC220V 50Hz	Single	≤60		φ22*1	385*600*430	High Alumina Refractories	21/27
XL-1	4	1000	AC220V 50Hz	Single	≤80	8	325*200*125	540*590*520	High Alumina Refractories	68/75
Operation Function	Auto tuning function, Offset value setting, Timing function									
Safety Device	Over temperature sound-light alarm									
Optional	LCD controller, LCD programable control, Chimney, USB port, Printer port									