

1700°C Muffle Furnace

1700°C Muffle Furnace



LMF-J10 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ (Molybdenum disilicide) vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J10
Power	5.200 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	3 L
Net Weight	96 kg
Gross weight	116 kg
Max. Current	2 x 12 A

Thermal Rate	3 °C - 20 °C
Heating Program	4 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	4
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sideways
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	527 x 980 x 794 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	115 x 150 x 175 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	467 x 920 x 634 mm

LMF-J11 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J11
Power	5.200 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	3 L
Net Weight	96 kg
Gross weight	116 kg
Max. Current	2 x 12 A

Thermal Rate	3 °C - 20 °C
Heating Program	8 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	6
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sideways
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	527 x 980 x 794 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	115 x 150 x 175 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	467 x 920 x 634 mm

LMF-J12 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J12
Power	5.200 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	3 L
Net Weight	96 kg
Gross weight	116 kg
Max. Current	2 x 12 A

Thermal Rate	3 °C - 20 °C
Heating Program	16 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	5
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sidewards
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	527 x 980 x 794 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	115 x 150 x 175 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	467 x 920 x 634 mm

LMF-J20 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J20
Power	8.900 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	6 L
Net Weight	110 kg
Gross weight	133 kg
Max. Current	2 x 20 A

Thermal Rate	3 °C - 20 °C
Heating Program	4 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	4
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sidewards
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	562 x 1015 x 839 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	150 x 185 x 220 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	502 x 955 x 679 mm

LMF-J21 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J21
Power	8.900 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	6 L
Net Weight	110 kg
Gross weight	133 kg
Max. Current	2 x 20 A

Thermal Rate	3 °C - 20 °C
Heating Program	8 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	6
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sideways
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	562 x 1015 x 839 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	150 x 185 x 220 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	502 x 955 x 679 mm

LMF-J22 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J22
Power	8.900 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	6 L
Net Weight	110 kg
Gross weight	133 kg
Max. Current	2 x 20 A

Thermal Rate	3 °C - 20 °C
Heating Program	16 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	5
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sidewards
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	562 x 1015 x 839 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	150 x 185 x 220 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	502 x 955 x 679 mm

LMF-J30 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J30
Power	10.000 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	9 L
Net Weight	136 kg
Gross weight	162 kg
Max. Current	2 x 23 A

Thermal Rate	3 °C - 20 °C
Heating Program	4 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	4
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sidewards
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	582 x 1035 x 1029 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	170 x 205 x 260 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	522 x 975 x 869 mm

LMF-J31 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J31
Power	10.000 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	9 L
Net Weight	136 kg
Gross weight	162 kg
Max. Current	2 x 23 A

Thermal Rate	3 °C - 20 °C
Heating Program	8 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	6
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sideways
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	582 x 1035 x 1029 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	170 x 205 x 260 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	522 x 975 x 869 mm

LMF-J32 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J32
Power	10.000 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	9 L
Net Weight	136 kg
Gross weight	162 kg
Max. Current	2 x 23 A

Thermal Rate	3 °C - 20 °C
Heating Program	16 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	5
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sidewards
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	582 x 1035 x 1029 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	170 x 205 x 260 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	522 x 975 x 869 mm

LMF-J40 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J40
Power	9.200 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	16 L
Net Weight	165 kg
Gross weight	195 kg
Max. Current	3 x 26 A

Thermal Rate	3 °C - 20 °C
Heating Program	4 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	4
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sidewards
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	612 x 1085 x 1084 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	200 x 255 x 315 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	522 x 1025 x 924 mm

LMF-J41 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J41
Power	9.200 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	16 L
Net Weight	165 kg
Gross weight	195 kg
Max. Current	3 x 26 A

Thermal Rate	3 °C - 20 °C
Heating Program	8 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	6
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sidewards
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	612 x 1085 x 1084 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	200 x 255 x 315 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	522 x 1025 x 924 mm

LMF-J42 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J42
Power	9.200 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	16 L
Net Weight	165 kg
Gross weight	195 kg
Max. Current	3 x 26 A

Thermal Rate	3 °C - 20 °C
Heating Program	16 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	5
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sidewards
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	612 x 1085 x 1084 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	200 x 255 x 315 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	522 x 1025 x 924 mm

LMF-J50 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J50
Power	14.300 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	30 L
Net Weight	185 kg
Gross weight	219 kg
Max. Current	3 x 39 A

Thermal Rate	3 °C - 20 °C
Heating Program	4 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	4
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sidewards
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	662 x 1140 x 1159 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	250 x 310 x 390 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	602 x 1080 x 999 mm

LMF-J51 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J51
Power	14.300 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	30 L
Net Weight	185 kg
Gross weight	219 kg
Max. Current	3 x 39 A

Thermal Rate	3 °C - 20 °C
Heating Program	8 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	6
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sidewards
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	662 x 1140 x 1159 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	250 x 310 x 390 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	602 x 1080 x 999 mm

LMF-J52 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J52
Power	14.300 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	30 L
Net Weight	185 kg
Gross weight	219 kg
Max. Current	3 x 39 A

Thermal Rate	3 °C - 20 °C
Heating Program	16 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	5
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sidewards
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	662 x 1140 x 1159 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	250 x 310 x 390 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	602 x 1080 x 999 mm

LMF-J60 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J60
Power	19.500 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	60 L
Net Weight	195 kg
Gross weight	234 kg
Max. Current	3 x 54 A

Thermal Rate	3 °C - 20 °C
Heating Program	4 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	4
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sidewards
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	732 x 1250 x 1219 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	320 x 420 x 450 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	672 x 1190 x 1059 mm

LMF-J61 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J61
Power	19.500 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	60 L
Net Weight	195 kg
Gross weight	234 kg
Max. Current	3 x 54 A

Thermal Rate	3 °C - 20 °C
Heating Program	8 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	6
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sidewards
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	732 x 1250 x 1219 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	320 x 420 x 450 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	672 x 1190 x 1059 mm

LMF-J62 model of muffle furnace is a microprocessor controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. With heating elements MoSi₂ vertically aligned next to the side walls, S and B type thermocouple, dual sheet housing for low outer surface temperature, it is perfect for continuous and maximum working temperature of 1700 °C. Having user friendly menu in 4 line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- PID controller
- LCD display that shows current and target temperature
- Optimum insulation properties
- 4, 8, 16 step heating program available
- MoSi₂ heating elements vertically aligned next to the side walls
- Accurate temperature measurement and control using S and B type thermocouple
- Unique electronic design and software
- Durable inside lining made of high quality light insulating bricks and ceramic fibre board
- Dual shell housing for low outer surface temperature
- Current limit control for safe operation
- Provision of sound warning as the step changes and at the end of the program
- Equipped with step indicator
- Instantaneous energy consumption indicator
- Step indicator
- Total working hour counter
- Descriptive error indicator
- Control unit over heating sensor
- Open door sensor
- Provision of automatic power cutoff to the heating element if the control unit/ control card is over heated
- User friendly operating menu

Specifications:

Model no.	LD-LMF-J62
Power	19.500 W
Chimney	Standard without fan
Display	4 x 20" LCD
Capacity	60 L
Net Weight	195 kg
Gross weight	234 kg
Max. Current	3 x 54 A

Thermal Rate	3 °C - 20 °C
Heating Program	16 step
Heating element	MoSi ₂ (Molybdenum disilicide)
Housing Coating	Epoxy powder coating
Housing Material	Steel Sheet
Max. Temperature	1700 °C
Program Memories	5
Thermocouple Type	B Type
Burst Heating Mode	Yes
Lockable Door Handle	Sidewards
Measurement Accuracy	± 1 °C
Skip the Waiting Step	Yes
Door Insulation Material	Ceramic Fibre Board
Heating Element Placement	Vertically aligned next to the side walls
Inner Insulation Material	Ceramic Fibre Board
Auto Start at Certain Date	Yes
Gross Dimension (W x H x D)	732 x 1250 x 1219 mm
Show Remaining Waiting Time	Yes
Temperature Control Accuracy	± 1 °C (can vary at low temperatures)
Front Face Insulation Material	Insulating Fire Brick
Inner Chamber Dimension (W x H x D)	320 x 420 x 450 mm
Inner Volume Temperature Homogeneity	± 10 °C
Product Outer Dimension (W x H x D)	672 x 1190 x 1059 mm

Muffle Furnace LD-LMF-J13 is a microprocessor-controlled furnace that is uniquely designed with optimum heat insulation properties and is ideal for ashing of food, plastic and other organic materials. Having user friendly menu in 4-line display for easy operation and current limit control for safe operation, it is designed for minimal space requirement in the laboratory and is equipped with instantaneous energy consumption indicator, total working hour counter, control unit overheating sensor etc.

Features:

- Mirror-finished stainless-steel furnace opening that resists discoloration even after long-term use
- Vacuum-formed polycrystalline mullite fibre chamber for highly efficient thermal insulation
- Double-shell structure with air-layer insulation and dual air-guiding channels for improved heat dissipation
- High-purity silicon-molybdenum heating elements, equipped with a standard exhaust chimney
- High-precision programmable temperature controller with imported sensors and a voltage-regulating module
- Comprehensive safety features, including leakage protection, thermocouple failure detection, automatic power-off when the door opens, over-temperature protection, and audible/visual alarm system
- Lockable handle and quick-detachable design for easy maintenance and servicing
- Supplied with insulated gloves, crucible tongs, and an alumina load-bearing plate as standard accessories

Applications:

It is designed for sintering, melting, and analysing metallic, non-metallic, and various compound materials in laboratories at universities, research institutions, and industrial and mining facilities.

Specifications:

Model no.	LD-LMF-J13
Timer	0-9999 min
Sensor	B-type Thermocouple
Volume	4 L
Net Weight	80 kg
Outer Shell	Cold rolling steel with electrostatic spraying exterior
Chamber Size	150 × 150 × 150 mm
Control Mode	Intelligent Microcomputer PID Control

Display Mode	5 Keys Setting
Exhaust Hole	Dipez2, Dep18
Gross Weight	100 kg
Heating Power	5.5 KW
Current Rating	AC220V, 50Hz
Safety Devices	Overtemperature alarm, leakage protection, door opening heating cut-off
Heating Element	HHR Silicon Molybdenum Rod
Operation Function	Constant Value Operation or Program Operation
Maximum Temperature	1700°C (long-term continuous working temperature)
Additional Functions	Heating start stop button, sensor fault alarm, temperature overshoot self-setting, temperature correction
Temperature Accuracy	±1°C
Furnace Body Material	HHR Polycrystalline Mullite Fiber
Packing Size (W×H×D)	760 × 955 × 1310 mm
Temperature Controller	LCD Imported Program Controller (P Type)
Temperature Resolution	1°C
Exterior Size (W×H×D)	600 × 815 × 1100 mm
Heating Time to Max Temp	< 40 minutes

Muffle Furnace LD-LMF-J53 is a high-temperature laboratory furnace designed for applications requiring controlled heating. It features high-temperature-resistant polycrystalline mullite fibre insulation for accurate temperature measurement and control.

Features:

- High-temperature-resistant polycrystalline mullite fibre insulation
- MoSi₂ heating elements for high-temperature operation
- High-precision B-type thermocouple
- Double-shell housing with ventilation channels
- Standard exhaust chimney for gas discharge and ashing applications
- Door safety mechanism with power interruption when opened
- Over-temperature protection with audible and visual alarm
- Thermocouple failure protection
- Leakage protection
- Standard insulation gloves, crucible tongs and alumina bearing plate included

Applications:

It is suitable for high-temperature laboratory applications such as ashing, heat treatment, calcination, ceramic processing, material testing, thermal treatment and high-temperature research.

Specifications:

Model no.	LD-LMF-J53
Controller	30-segment programmable temperature controller
Net Weight	270 kg
Exhaust Port	Outer diameter Ø22 mm; inner diameter 18 mm
Furnace Type	High-temperature ceramic-fibre muffle furnace
Gross Weight	320 kg
Power Supply	AC 380 V, 50 Hz
Chamber Volume	36 L
Housing Finish	Surface spray treatment
Heating Element	MoSi ₂ (Molybdenum Disilicide)
Housing Material	Cold-rolled steel plate
Furnace Insulation	High-temperature-resistant polycrystalline mullite fibre

Temperature Sensor	B-type thermocouple
Maximum Temperature	1700°C
Temperature Accuracy	±1°C
Temperature Resolution	1°C
Variable Hearth Volume	Yes
Packing Dimensions (W × L × H)	910 × 1265 × 1460 mm
External Dimensions (W × L × H)	750 × 1065 × 1250 mm
Heating Time to Maximum Temperature	≤140 min
Long-Term Continuous Operating Temperature	1650°C

Muffle Furnace LD-LMF-J54 is a high-temperature laboratory furnace designed for applications requiring controlled heating. It features high-temperature-resistant polycrystalline mullite fibre insulation for accurate temperature measurement and control.

Features:

- Shell is made of metal Q235 low-carbon steel
- Side-opening furnace door structure
- Multi-layer insulation design, composed of lightweight alumina ceramic fiber and high-quality insulation board backing
- Door safety protection to cut heating power when opened

Applications:

Suitable for sintering, calcination, ceramic processing, powder metallurgy, nanomaterial research, semiconductor material processing and high-temperature heat treatment.

Specifications:

Model no.	LD-LMF-J54
Control Mode	SCR/SSR
Heating Rate	1-15°C/min
Power Supply	220 V, 7 kW
Thermocouple	B Type
Heating Element	MoSi ₂ rods
Chamber Insulation	Polycrystalline alumina ceramic fiber
Maximum Temperature	1700°C
Programmable Periods	32 time periods
Temperature Accuracy	±1°C
Door Safety Protection	Yes
Temperature Controller	Intelligent microcomputer PID
Chamber Size (W × D × H)	250 × 320 × 250 mm
Over-temperature Protection	Yes
Thermocouple-break Protection	Yes
Continuous Working Temperature	1600°C
External Dimensions (W × D × H)	610 × 730 × 970 mm

