

Fume Hood

LDS Series

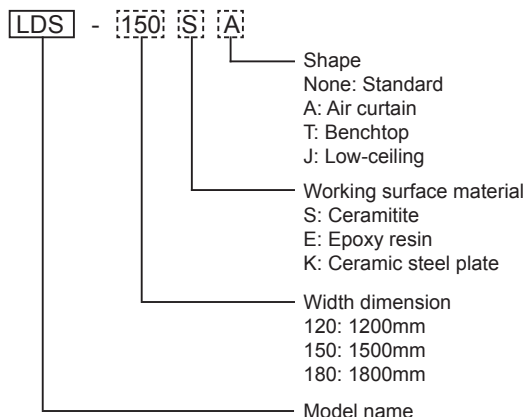


LDS150

Fume hood with fixed exhaust air volume

- Main unit is made of steel, chemical resistant powder coating applied; excellent fire resistance
- Non-asbestos, non-combustible veneer interior with excellent chemical and heat resistance
- Selectable work surface material
- Storage located in the lower base (not applicable to benchtop type)
- Equipped with multi-slit baffle to efficiently exhaust harmful gas in the fume hood
- Safety features include door drop prevention stopper, ventilator delay timer and exhaust blower activation monitor
- Outlets and switches are located at an easy operating height
- Selectable air speed meter, which digitally displays the front air speed and exhaust air volume (option)

Model Guide



Common specifications

Exterior	Cool-milling steel, chemical-resistant baked paint finish
Interior	Non-asbestos, non-combustible decorative board (baffle plate: multi-slit type)
Glass window	Reinforced glass, 6mm thickness, balance weight type
Water faucet	Single goose neck type, 1pc.
Outlet	AC115V 15A with dual grounding wire (dropout prevention) 1pc.
Fluorescent lamp	120/150 model 32W, 180 model 40W, 1pc. each
Safety feature	Door drop prevention stopper, ventilator delay timer, exhaust blower activation monitor

Individual Specifications

Standard type	LDS-120	LDS-150	LDS-180
Standard discharge air quantity (m³/min)	12	16	19
Static pressure within the machine Pa (mmH₂O)	30 (3)	59 (6)	79 (8)
External dimensions (W x D x H mm)	1200 x 750 x 2400	1500 x 750 x 2400	1800 x 750 x 2400
Weight (kg)	~290	~330	~370

Air curtain type	LDS-120A	LDS-150A	LDS-180A
Standard discharge air quantity (m³/min)	12	16	19
Static pressure within the machine Pa (mmH₂O)	30 (3)	59 (6)	79 (8)
Air flow (m³/min)	8.4	11.2	13.3
Air flow pressure within the machine Pa (mmH₂O)	20 (2)	35 (3.6)	49 (5)
Air flow duct	Each duct PVC with I.D.400mm O.D.100mm, connected with a half flange		
Applicable air supply duct	PVC with I.D.211mm O.D.216mm		
External dimensions (W x D x H mm)	1200 x 750 / 1020 x 2600	1500 x 750 / 1020 x 2600	1800 x 750 / 1020 x 2600
Weight (kg)	~340	~380	~440

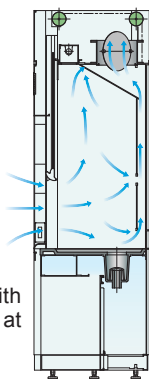
Benchtop type	LDS-120T	LDS-150T	LDS-180T
Standard discharge air quantity (m³/min)	12	16	19
Static pressure within the machine Pa (mmH₂O)	30 (3)	59 (6)	79 (8)
External dimensions (W x D x H mm)	1200 x 750 x 1550	1500 x 750 x 1550	1800 x 750 x 1550
Weight (kg)	~130	~150	~170

Low-ceiling type	LDS-120J	LDS-150J	LDS-180J
Standard discharge air quantity (m³/min)	10	13	16
Static pressure within the machine Pa (mmH₂O)	25 (2.5)	39 (4)	59 (6)
External dimensions (W x D x H mm)	1200 x 750 x 2100	1500 x 750 x 2100	1800 x 750 x 2100
Weight (kg)	~280	~320	~360

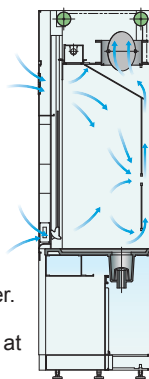
	Dimension drawing (mm)	Exhaust duct plan	Piping plan
	Frontage : A 1200 : 960 1500:1260 1800:1560	Frontage : B 1200 : 600 1500:750 1800:900	W: Water supply (1/2B) D: Drainage (1 1/2B) E1: Electricity1ø 100V E2: Electricity3ø 200V
Standard type		 Exhaust duct dia.: ø261~ø267 (PVC)	
Air curtain type		 Exhaust duct dia.: ø261~ø267 (PVC) Intake duct: 400 x 100 (PVC)	
Benchtop type		 Exhaust duct dia.: ø261~ø267 (PVC)	
Low-ceiling type		 Exhaust duct dia.: ø261~ø267 (PVC)	

Airflow

- **Window open:**
Efficient exhaust with constant air velocity at front opening



- **Window narrow open:**
Front air velocity is faster. Exhaust air volume is controlled by air bypass at top gallery



⚠ Attention

- Please select exhaust fan according to operating location and conditions.
- Not explosion-proof structure, please pay attention to conditions to be used.
- Interior material and chemical resistance of the working surface, please refer to selection table.
- Keep electric heating lower than 2kW.
- Avoid perchloric acid.