



## SHEET METAL CABINET



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# ABOUT US

**100<sup>+</sup>**  
Working personnel

**30<sup>+</sup>**  
R&D personnel

Wuxi Custom Mechanical Technology Co., LTD, with the short name of KDM or KADEMU, was established in 2016, and it mainly manufactures all types of metal enclosures and cabinets such as standard and non-standard industrial control cabinets, stainless steel cabinets, aluminum enclosures, non-standard operation consoles, IT cabinets and so on. Our company has a professional team with rich experience and superb skills, with a total of nearly 100 employees, 30% of which are research and development personnel. It is a manufacturing enterprise that integrates research and development, production, and sales.

With the unremitting efforts of all employees, KDM has leapt into the international market and gradually becomes one of the gold manufacturers with considerable production scale and advanced production equipment. Our products are sold world wide, such as Korea, Japan, Canada, USA, Singapore, Germany, and so on.

KDM is also ISO9001 certified, BSCI and SMETA audited and certified. Our products are RoHS and REACH compliant. KDM products are with many certifications, such as CE, IP66, IP65, IP55, UL, IK, Nema and so on. Our engineers can design and improve the products based on different applications.



Customer first



Integrity management



Team assistance

# DEVELOPMENT HISTORY

**2016**

Established in 2016

**2017**

In 2017, KDM started cooperating with Samsung of South Korea, and developed the fire escape ladder.

**2018** 

In 2018, KDM was selected as the high-tech enterprise of Jiangsu province, with 2 million US dollars in sales.

**2019**

In 2019, the product obtained SGS certification for IP66 testing.

**2020** 

In 2020, KDM got the CE certification and expanded into the European market with the sales of 3 million sales in US dollars.

**2021**

In 2021, KDM entered the USA and Canada market, with total sales 5.5 million in US dollars.

**2022**

In 2022, KDM got the title of innovative enterprise of Jiangsu province, and reached the sales of 7 million in US dollars in total.

**2023**

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# CORPORATE HONORS



KDM always adheres to the motto of best quality and best service, and puts great importance on the quality. We've got ISO9001, IP66, IP65, CE, BSCI, SEMTA audit and so on.

50  
TERM

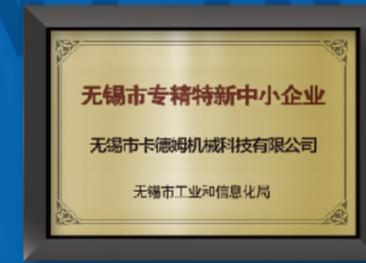
Utility patent

4  
TERM

Patented invention

With diligent research and cooperation with oversea customers, KDM obtained 4 national invention patents, and 50 application patents. We also win the awards like Jiangsu Science and Tech Enterprise, National High Tech Enterprise and so on.

# PATENT HONORS





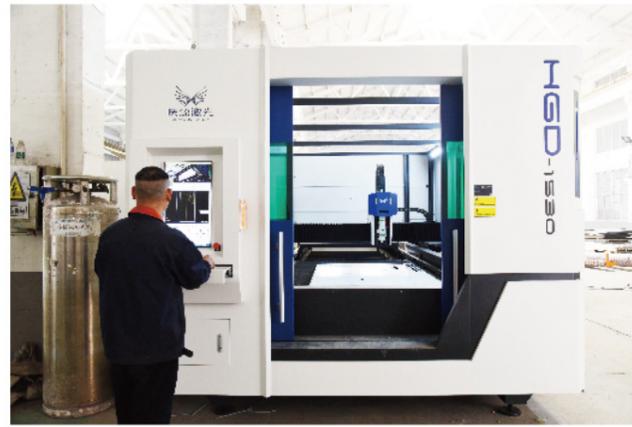
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With continuous expansion, besides the business in China, we also sell our products to many oversea countries, like Japan, South Korea, India, Singapore, Australia, New Zealand, Saudi Arabia, Canada, USA and so on.

# SALES NETWORK

# EQUIPMENT

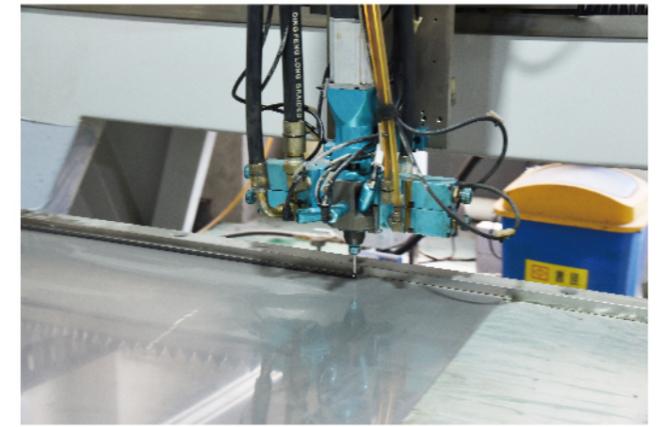
KDM owns 8000 square meters plant, and has machines like 6000W laser cutting machines, Yawei 32 station CNC punching machines, Yawei CNC bending machines, laser welding machines, laser robot welding machines, high speed PU dispensing machines and so on. We also have all types of testing and inspection tools, like film thickness gauge, salt spray testing box and so on.



3000W Fiber Laser Cutting Machine



32 Station CNC Punching Machine



PU Dispensing Machine



CNC Bending Machine



Multi Functional Welding Platform



Polishing And Drawing Machine



PROFESSION

CREATIVITY

QUALITY

# FUTURE PROSPECTS



Making great projects with advanced technology, talents and management system in the sheet metal industry. With keen sense to enter the advanced industry and occupy the market with good technology.

## STRUGGLE



Break through the self, across the new life.

On the basis of stabilizing existing talents, the company continuously absorbs technology personnel with strong technical capabilities to join, hoping to drive the efforts and progress of existing employees and strengthen research and development capabilities.

## PEACE



When people unite, Mount Tai will move.

In terms of company management, we should combine the management model of the older generation and establish a modern management mechanism to ensure that workers work happily and return home safely.

## STRIVE



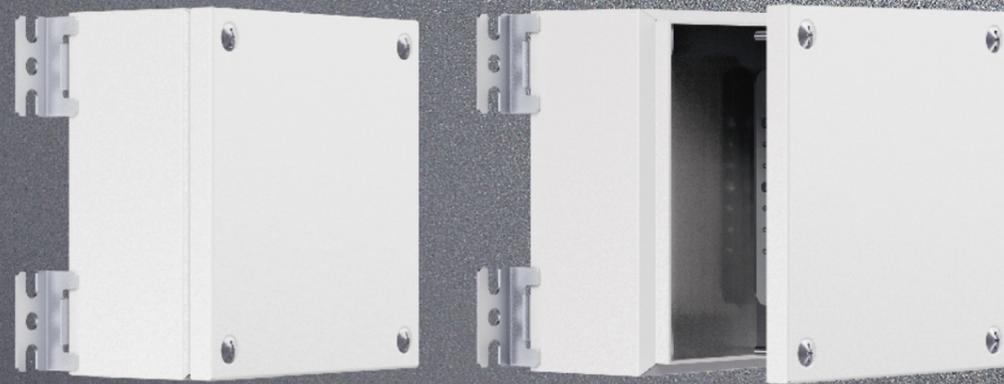
Carrying inner ideals and dreams.

Establish and improve a reward and punishment system, and create a clean and orderly working environment.

# PRODUCT INTRODUCTION



KL Junction Box



UL CE IP65 IEC EX

## KL Junction Box

It is a simple and practical junction box, made of materials including carbon steel, galvanized steel, or aluminum with powder coating, SS304, or SS316L. There are two types of structures. One is single door and the other is visible window door. The bottom plate comes in two forms: a guide rail frame and a mounting plate. Due to the compact size, the door is often fixed with four KL special screws. A square nut fixing bracket is welded inside the box. The door panel of the KL junction box has the PU foam sealing, which has excellent water and dust proof performance.

### MATERIAL

Box: 0.8-1.5mm  
 Door: 0.8-1.5mm  
 Mounting Plate:  
 2.0mm galvanized plate

### SURFACE TREATMENT

Powder Coating  
 ( Smooth Surface, Orange Peel Textured Surface, Sand Textured Surface ), Stainless Steel Brushed Hair Line Surface

### STANDARD COLOR

RAL7035、RAL7032

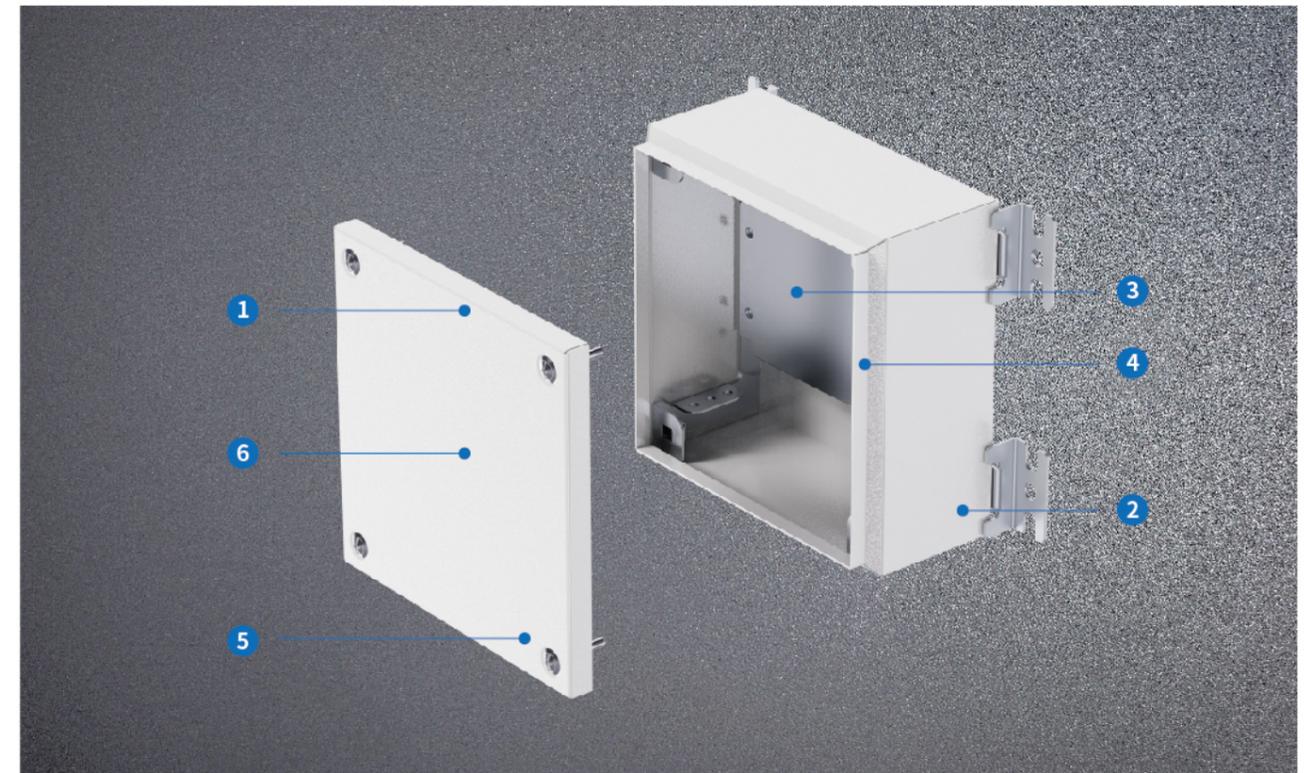
### IP RATING

IP54、IP65

### CERTIFICATION

UL、CE、IK08

## PRODUCT STRUCTURE



- ① The earth studs are welded respectively on the enclosure and door panel.
- ② We can make custom holes in 4 corners of the back panel for enclosure mounting directly, or add mounting bracket at the back.
- ③ We can make holes on mounting plate for easy electrical parts mounting.
- ④ The multiple bendings at the opening edge strengthens the box, and avoid the water and dust ingress.
- ⑤ With special nylon gasket washer, KL enclosure has a high IP rating.
- ⑥ PU foaming at the back of door ensures the box' s IP rating.

## COMMON SIZE

Size (mm)								
High	100	150	150	200	200	300	300	400
Width	100	150	200	200	300	300	500	400
Deep	80	120	120	80	120	120	120	120



## — ACCESSORY SELECTION

### 01 Fasten screw



**KL-LS-01**

Material:  
Zinc alloy and SS304



**KL-LS-02**

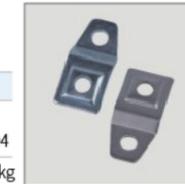
Material:  
Zinc alloy and SS304

### 02 Wall mounted components



**KBG-01**

Material:  
Zinc alloy and SS304  
Load capacity:1200kg



**KBG-02**

Material:  
Zinc alloy and SS304  
Load capacity: 150kg

AE Control Box



## AE Control Box

It is a universal electrical cabinet box for both indoor and outdoor use. The material can be carbon steel, aluminum or galvanized steel with powder coating, and stainless steel. The design can be single door, double door, visible window door, and inner and outer double door. The rails behind the door can be used for internal wires layouts or wire ducts fixing. At the same time, it can also increase the strength of the door, making it sturdy and stable. The AE compact control box comes in a variety of sizes, with heights ranging from 200mm to 1000mm and widths ranging from 200mm to 1200mm.

### MATERIAL

Box: 0.8-1.5mm  
 Door: 1.2-2.0mm  
 Mounting Plate:  
 2.0-3.0mm galvanized plate

### SURFACE TREATMENT

Powder Coating  
 (Smooth Surface, Orange Peel  
 Textured Surface, Sand Textured  
 Surface), Stainless Steel Brushed  
 Hair Line Surface

### STANDARD COLOR

RAL7035, RAL7032

### IP RATING

IP54, IP55, IP65

### CERTIFICATION

UL, CE, IK08

## PRODUCT STRUCTURE



- ① Wall Mounting Brackets: With this bracket, the box can be fixed on the wall or the equipment.
- ② The rail height at the back of door can be adjustable for easy wire fixing.
- ③ The left and right of back door is welded with rails for wiring fixing and also to strengthen the door.
- ④ PU foaming at the back of door ensures the box' s IP rating.
- ⑤ The galvanized steel mounting plate can be custom made per customers' requirements.
- ⑥ The multiple bending at the opening edge strengthens the box, and avoid the water and dust ingress.

## COMMON SIZE

Size (mm)									
High	200	300	300	400	400	500	600	1000	
Width	200	300	400	400	600	500	800	1200	
Deep	100	200	200	200	300	200	300	400	



## ACCESSORY SELECTION

### 01 Lock and Latch



**KMS-705**  
Material:  
Zinc alloy and SS304



**KMS-715**  
Material:  
Zinc alloy and SS304



**KMS-763**  
Material:  
Zinc alloy and SS304  
Features:  
Can be equipped  
with a padlock, Add  
anti-theft function



**KMS-720**  
Material: Zinc alloy



**KMS-843**  
Material:  
Zinc alloy and SS304



**KMS-307**  
Material:  
Zinc alloy and SS304

### 02 Hinge



**KCL-101**  
Material:  
Zinc alloy and SS304  
Load: 400N  
Door Opening angle:180°



**KCL-237**  
Material:  
Zinc alloy and SS304  
Load:1295N  
Door Opening angle:90°



**KCL-253-1**  
Material: SS304  
Load:745N  
Door Opening angle:180°



**KCL-109**  
Material: Zinc alloy  
Load:2500N  
Door Opening angle:180°

### 03 Wall mounted components



**KBG-01**  
Material:  
Zinc alloy and SS304  
Bearing:1200kg



**KBG-02**  
Material:  
Zinc alloy and SS304  
Bearing:150kg

### 04 Visualization window

- 1.Perspex
- 2.PC Glass: 2-3 times durability than Perspex
- 3.Temper Glass: Easy to break, but durable for aging issue



ES Control Enclosure



- UL
- CE
- IP65
- IEC Ex

## ES Control Enclosure

The ES control box material can be stainless steel or mild steel, with the plinth made out of one full steel plate. The design can be single door, double door, visible window door, and inner and outer double door. The box body is with 10-folding method which is sturdy in structure. In addition, ES design is resistant to the torque strength and can be lifted in parts in a quick way. The modular holes inside the enclosure facilitate the easy and quick assembly through crossbeams and vertical beams. The installation accessories for PS and ES are universal which allows for wider design scope.

### MATERIAL

Box: 1.5-2.0mm  
 Door: 2.0-3.0mm  
 Mounting Plate:  
 2.0-3.0mm galvanized plate

### SURFACE TREATMENT

Powder Coating  
 (Smooth Surface, Orange Peel Textured Surface, Sand Textured Surface), Stainless Steel Brushed Hair Line Surface

### STANDARD COLOR

RAL7035, RAL7032

### IP RATING

IP54, IP55

### CERTIFICATION

UL, CE, IK08

## PRODUCT STRUCTURE



- ① With additional nylon washer, the eye bolts will not scratch the surface coating.
- ② The hinge is concealed for easy assembling and dissembling. The max. door opening is 130°.
- ③ The square rail welded at the back of the door facilitate the wiring setting and also mounting plate setting at the back of door. It also makes the door sturdy in structure.
- ④ The side panel is a ten-folding profile which is sturdy and suitable for heavy electrical parts setting.
- ⑤ C profile mounting plate is easy for setting up and taking off. It also avoids hurting the hands when setting.
- ⑥ The gland plates at the bottom is made up of 3 pieces which is easy to move and for cable setting.

## COMMON SIZE

Size (mm)									
High	1200	1600	1600	1800	2000	2000	2000	2200	
Width	600	600	600	600	800	1000	1200	1400	
Deep	400	400	500	500	600	600	600	600	



## ACCESSORY SELECTION

### 01 Lock



**KMS-830**  
Material:  
Zinc alloy and SS304  
Rotate the handle  
to open the door



**KMS-821**  
Material:  
Zinc alloy and SS304  
Key rotation to  
open the door



**KMS-867**  
Material:Zinc alloy  
Beautiful appearance



**KMS-834**  
Material:Zinc alloy



**KMS-843**  
Material:  
Zinc alloy and SS304

### 02 Hinge



**KCL-201**  
Material:  
Zinc alloy and SS304  
Load:800N  
Door Opening angle:90°



**KCL-203**  
Material:  
Zinc alloy and SS304  
Load:1295N

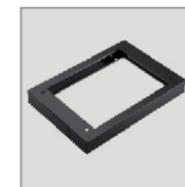


**KCL-230**  
Material:Zinc alloy  
Load:1000N  
Door Opening angle:180°



**KCL-109**  
Material:Zinc alloy  
Load:2500N  
Door Opening angle:180°

### 03 Base



**KDZ-01**  
Material:  
Steel plate and SS304  
T=2.0mm



**KDZ-02**  
Material:  
Steel plate and SS304  
T=2.0mm  
Detachable, convenient  
for forklift loading and  
unloading

### 04 Visualization window

- 1.Perspex
- 2.PC Glass: 2-3 times durability than Perspex
- 3.Temper Glass: Easy to break, but durable for aging issue





PS Control Cabinet

CE 3PL IP65

## PS Control Cabinet

This is a air tight, sturdy and light weight enclosure. The material can be mild steel or stainless steel. The design can be single door, double door, visible window door, and inner and outer double door. The PS style enclosure maximizes the usage room, and has great modular extension function. This allows for easy and efficient assembly. It is suitable for electrical control, equipment control, manufacturing projects and so on.

### MATERIAL

Box: 1.5-2.0mm  
 Door: 2.0-3.0mm  
 Mounting Plate:  
 2.0-3.0mm galvanized plate

### SURFACE TREATMENT

Powder Coating  
 (Smooth Surface, Orange Peel Textured Surface, Sand Textured Surface), Stainless Steel Brushed Hair Line Surface

### STANDARD COLOR

RAL7035, RAL7032

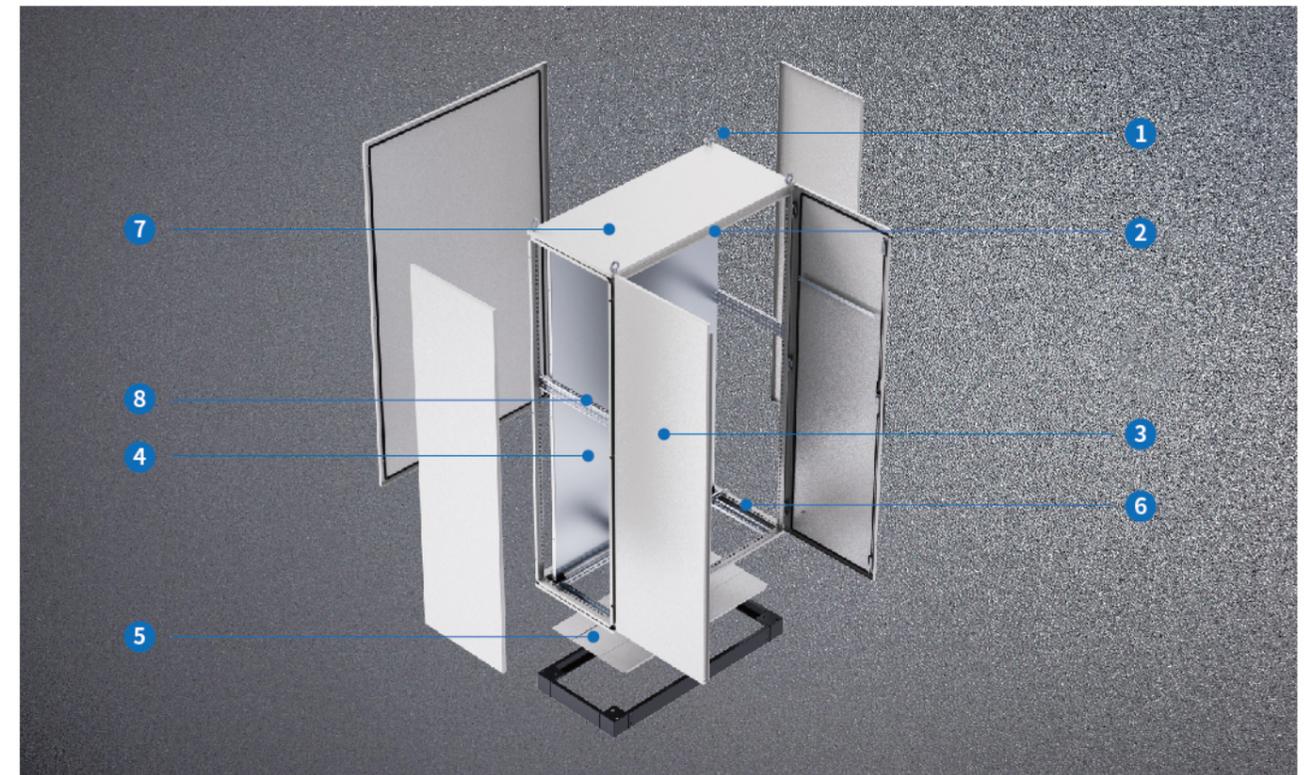
### IP RATING

IP54, IP55, IP65

### CERTIFICATION

CE, IK08

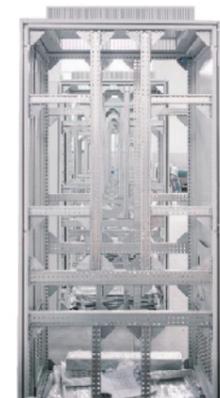
## PRODUCT STRUCTURE



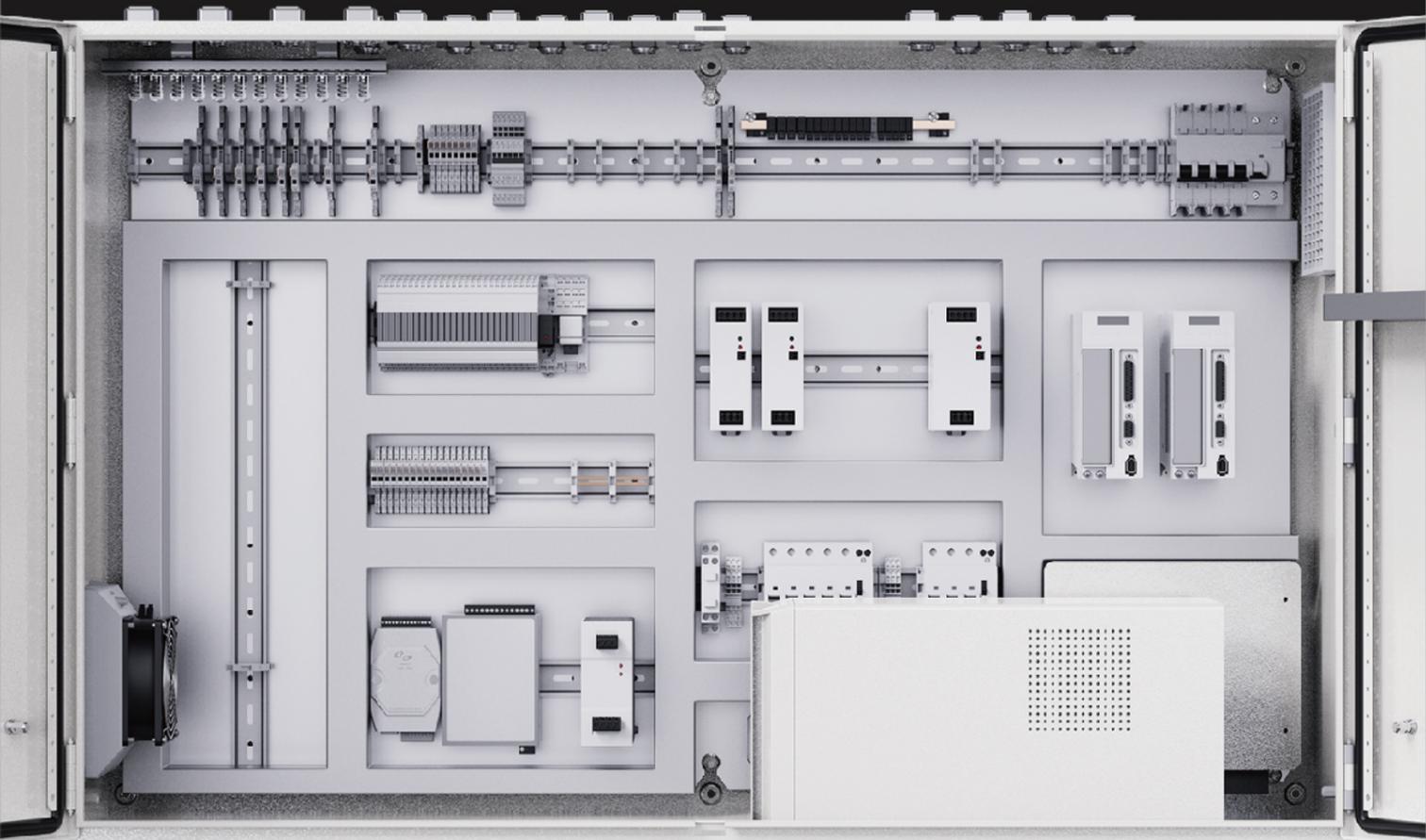
- ① With additional nylon washer, the eye bolts will not scratch the surface painting.
- ② The enclosure body frame, as the core of the enclosure, is made out of nine-folding profile. With this, it is sturdy and also easy for quick operating and assembly due to the holes in the frames.
- ③ Double door design. One door leaf has additional bending with rubber sealing. The other door leaf is fixed onto this door when locking to ensure the tightness.
- ④ C profile mounting plate is easy for setting up and taking off. It also avoids hurting the hands when setting.
- ⑤ The gland plates at the bottom is made up of 6 pieces which is easy to move and for cable setting.
- ⑥ The mounting plate can slide into the enclosure rail through nylon block from the front face for setting. It can be adjustable based on the holes on the profile of rails.
- ⑦ The top panel can be taken off to allow for the big electrical parts setting from the top.
- ⑧ The additional horizontal bars in side face can facilitate the wire setting, and also increases the sturdiness of the frame.

## COMMON SIZE

Size (mm)					
High	1800	2000	2000	2000	2000
Width	800	800	1000	1200	1200
Deep	500	600	600	600	800



A frame with modular holes provides unlimited possibilities for the installation and wiring of components.



## ACCESSORY SELECTION

### 01 Lock and Latch



**KMS-830**  
Material:  
Zinc alloy and SS304  
Rotate the handle  
to open the door  
IP54



**KMS-821**  
Material:  
Zinc alloy and SS304  
Key rotation to  
open the door  
IP40



**KMS-867**  
Material:Zinc alloy  
Beautiful appearance  
IP54



**KMS-834**  
Material:Zinc alloy  
IP54



**KMS-843**  
Material:  
Zinc alloy and SS304  
IP65

### 02 Hinge



**KCL-201**  
Material:  
Zinc alloy and SS304  
Load:800N  
Door Opening angle:90°



**KCL-203**  
Material:  
Zinc alloy and SS304  
Load:1295N



**KCL-230**  
Material:Zinc alloy  
Load:1000N  
Door Opening angle:180°

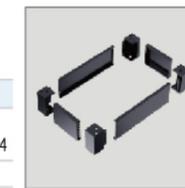


**KCL-109**  
Material:Zinc alloy  
Load:2500N  
Door Opening angle:180°

### 03 Base



**KDZ-01**  
Material:  
Steel plate and SS304  
T=2.0mm



**KDZ-02**  
Material:  
Steel plate and SS304  
T=2.0mm  
Detachable, convenient  
for forklift loading and  
unloading

### 04 Visualization window

1.Organic glass

2.PC glass

Its service life is 2-3 times longer  
than that of organic glass

3.Tempered glass

Fragile but not easily aged



TS Control Cabinet



CE 3PL IP65

## TS Control Cabinet

Compared with PS control cabinet, the TS cabinet is sturdier in due to 16 bending profile. It also has the better impact resistance, and higher air tightness and flexibility. With this structure, the TS control cabinet has extra 50mm space in width and depth, which offers additional 15% extra room than PS control cabinets.

### MATERIAL

Box: 1.5-2.0mm  
 Door: 2.0-3.0mm  
 Mounting Plate:  
 2.0-3.0mm galvanized plate

### SURFACE TREATMENT

Powder Coating  
 (Smooth Surface, Orange Peel Textured Surface, Sand Textured Surface), Stainless Steel Brushed Hair Line Surface

### STANDARD COLOR

RAL7035, RAL7032

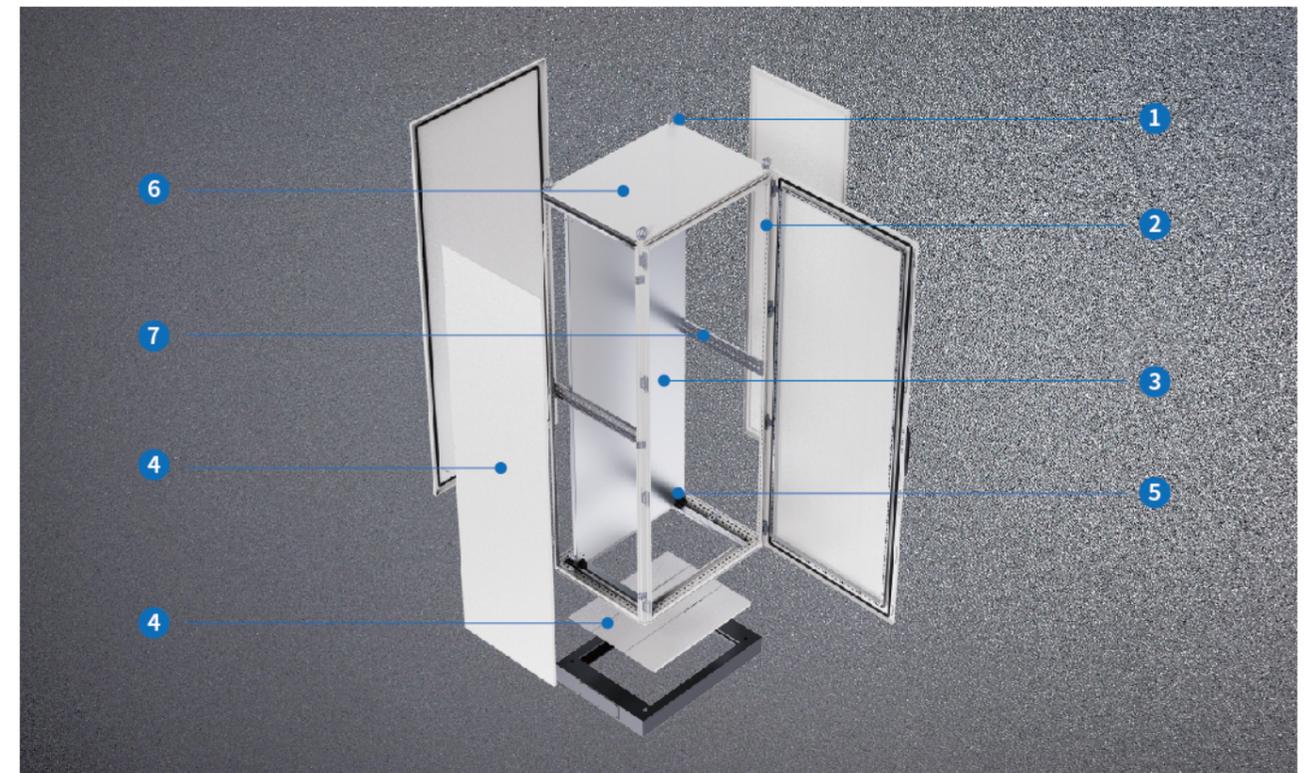
### IP RATING

IP54, IP55, IP65

### CERTIFICATION

CE, IK08

## PRODUCT STRUCTURE



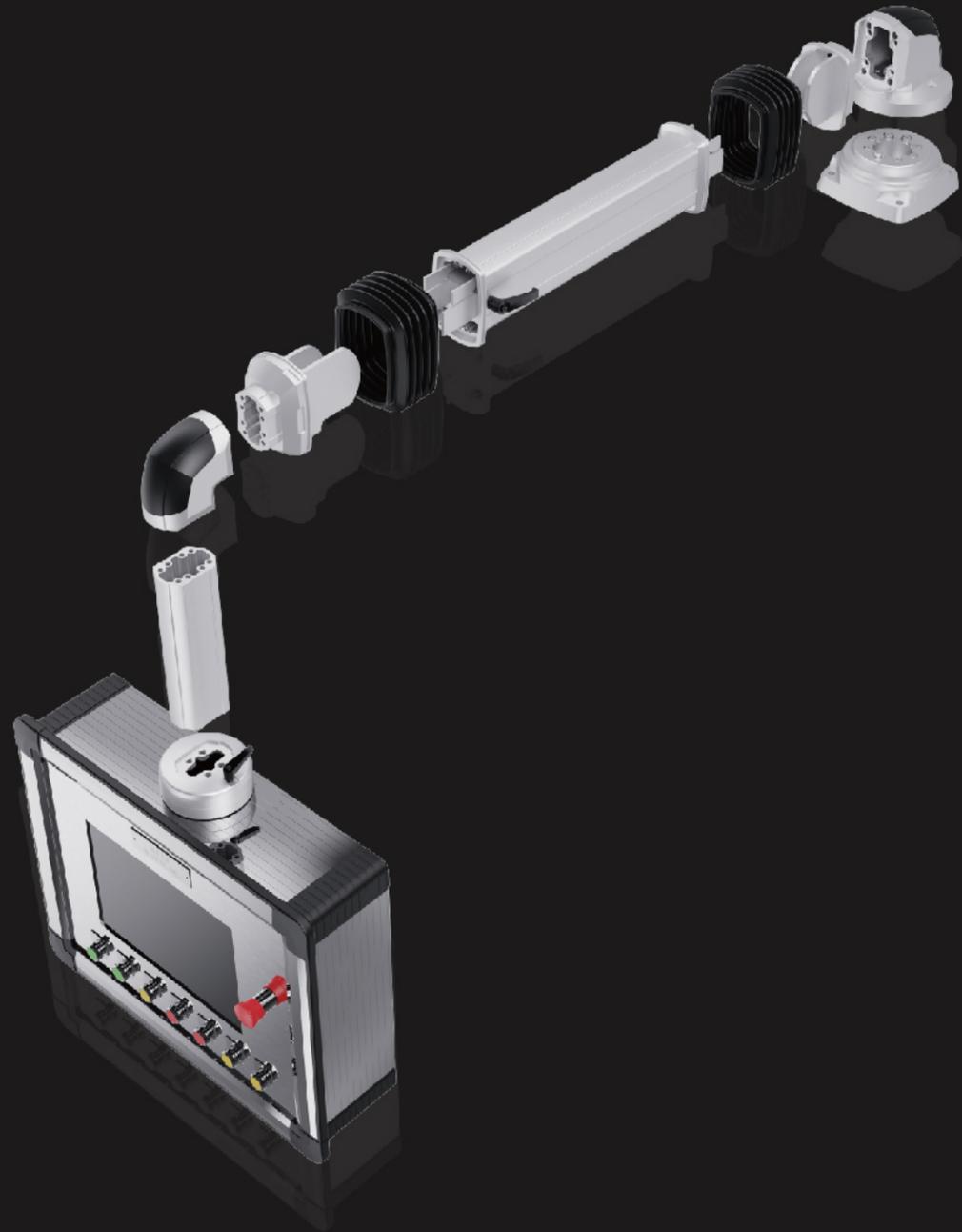
- ① With additional nylon washer, the eye bolts will not scratch the surface painting.
- ② The enclosure body frame, as the core of the enclosure, is made out of 16-folding profile. With this, it is sturdy and also easy for quick operating and assembly due to the holes in the frames.
- ③ The C profile mounting plate is easy for setting up and taking off. It also avoids hurting the hands when setting.
- ④ The gland plates at the bottom is made up of 6 pieces which is easy to move and for cable setting.
- ⑤ The mounting plate can slide into the enclosure rail through nylon block from the front face for setting. It can be adjustable based on the holes on the profile of rails.
- ⑥ The top panel can be taken off to allow for the big electrical parts setting from the top.
- ⑦ The additional horizontal bars in side face can facilitate the wire setting, and also increases the sturdiness of the frame.

## COMMON SIZE

Size (mm)					
High	1800	2000	2000	2000	2000
Width	800	800	1000	1200	1200
Deep	500	600	600	600	800



The framework design of the PS cabinet allows for arbitrary assembly between cabinets.



## ACCESSORY SELECTION

### 01 Lock and Latch



**KMS-867**  
Material: Zinc alloy  
Beautiful appearance

IP54



**KMS-868**  
Material: Zinc alloy  
Key rotation for opening and locking

IP40



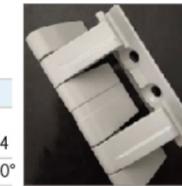
**KMS-TS002**  
Material: Zinc alloy  
TS double opening inner door lock

IP54

### 02 Hinge



**KCL-301**  
Material: Zinc alloy and SS304  
Opening angle:130°

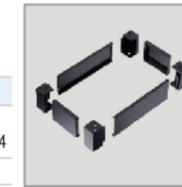


**KCL-302**  
Material: Zinc alloy and SS304  
Opening angle:180°

### 03 Base



**KDZ-01**  
Material: Steel plate and SS304  
T=2.0mm



**KDZ-02**  
Material: Steel plate and SS304  
T=2.0mm  
Detachable, convenient for forklift loading and unloading

### 04 Visualization window

1.Organic glass

2.PC glass

Its service life is 2-3 times longer than that of organic glass

3.Tempered glass

Fragile but not easily aged



AP  
Inclined  
Operation  
Console



CE 2PL IP65

## AP Inclined Operation Console

The AP inclined operation console is with human-machine function integrated. The material can be mild steel or stainless steel. The top panel can be opened and fixed by pneumatic rod. The cabinet can be made with double front door or double rear door for easy operation. The AP inclined operation cabinet is widely used in many areas due to its excellent appearance and function.

### MATERIAL

Box: 0.8-1.5mm  
Door: 2.0-2.5mm  
Mounting Plate:  
2.0-3.0mm galvanized plate

### SURFACE TREATMENT

Powder Coating  
(Smooth Surface, Orange Peel  
Textured Surface, Sand Textured  
Surface), Stainless Steel Brushed  
Hair Line Surface

### STANDARD COLOR

RAL7035、RAL7032

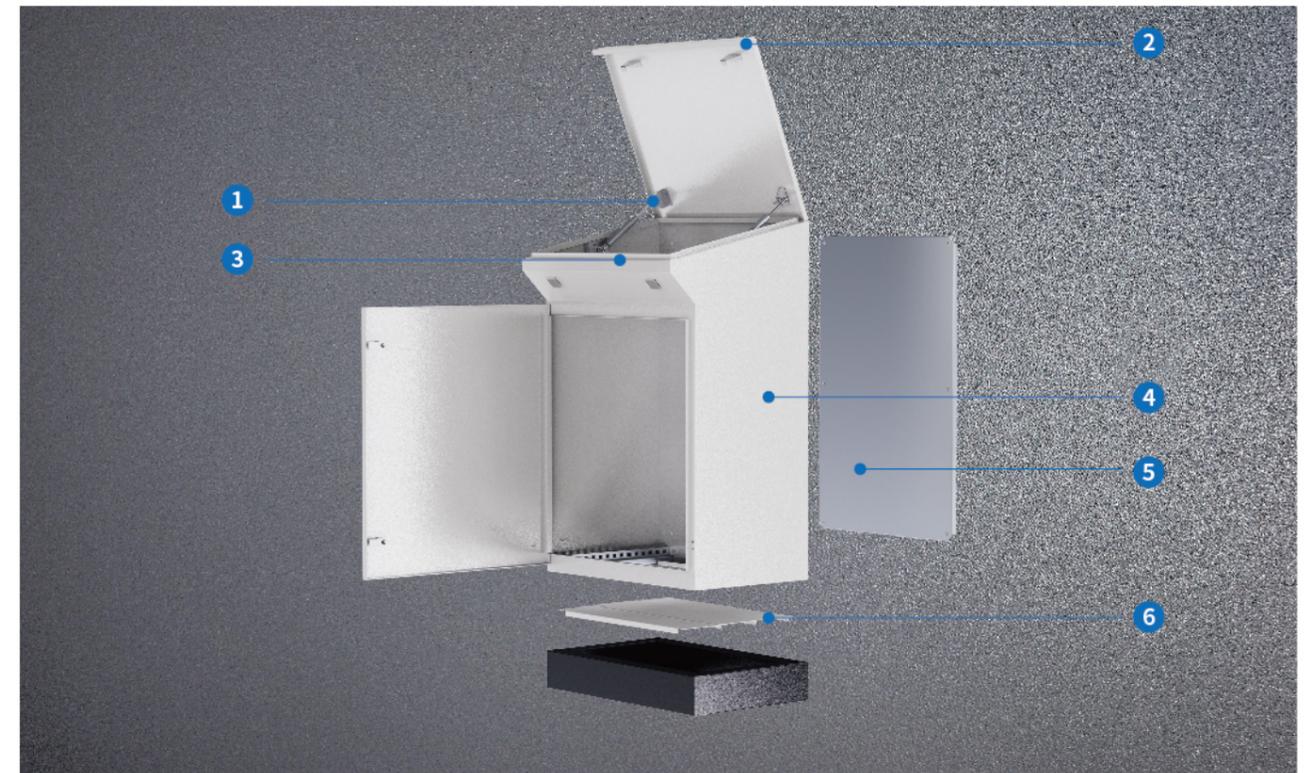
### IP RATING

IP54

### CERTIFICATION

CE、IK08

## PRODUCT STRUCTURE



- ① The top panel can be opened and fixed by the pneumatic rod. The pneumatic rod can be selected based on the size of top panel and weight of electrical setting.
- ② The bending at the top panel facilitates the opening and closing.
- ③ Multiple bendings at the opening area helps avoid the dust and water ingress.
- ④ The side panels and back panel is made out of one steel plate which is sturdy.
- ⑤ The mounting plate is made out of 2mm galvanized steel. It can be adjustable in depth at interval of 25mm.
- ⑥ The gland plates at the bottom is made of 3pcs which is easy for moving and cable setting.

## COMMON SIZE

Size (mm)								
High	950	950	950	950	950	950	950	950
Width	600	800	1000	1200	800	1000	1200	1400
Deep	490	400	490	490	600	600	600	600

TP  
Piano Style  
Operation  
Console



CE 2PL IP65

## TP Piano Style Operation Console

The TP piano style operation console is consisted of 3 parts. It has a simple structure, and is easy for operating. It can be disassembled and combined easily. The material can be mild steel or stainless steel. All surface panels can be opened and supported by pneumatic rods for easy operation. It is of low cost and multiple functions which leads to the high efficiency.

### MATERIAL

Box: 0.8-1.5mm  
Door: 2.0-2.5mm  
Mounting Plate:  
2.0-3.0mm galvanized plate

### SURFACE TREATMENT

Powder Coating  
(Smooth Surface, Orange Peel  
Textured Surface, Sand Textured  
Surface), Stainless Steel Brushed  
Hair Line Surface

### STANDARD COLOR

RAL7035, RAL7032

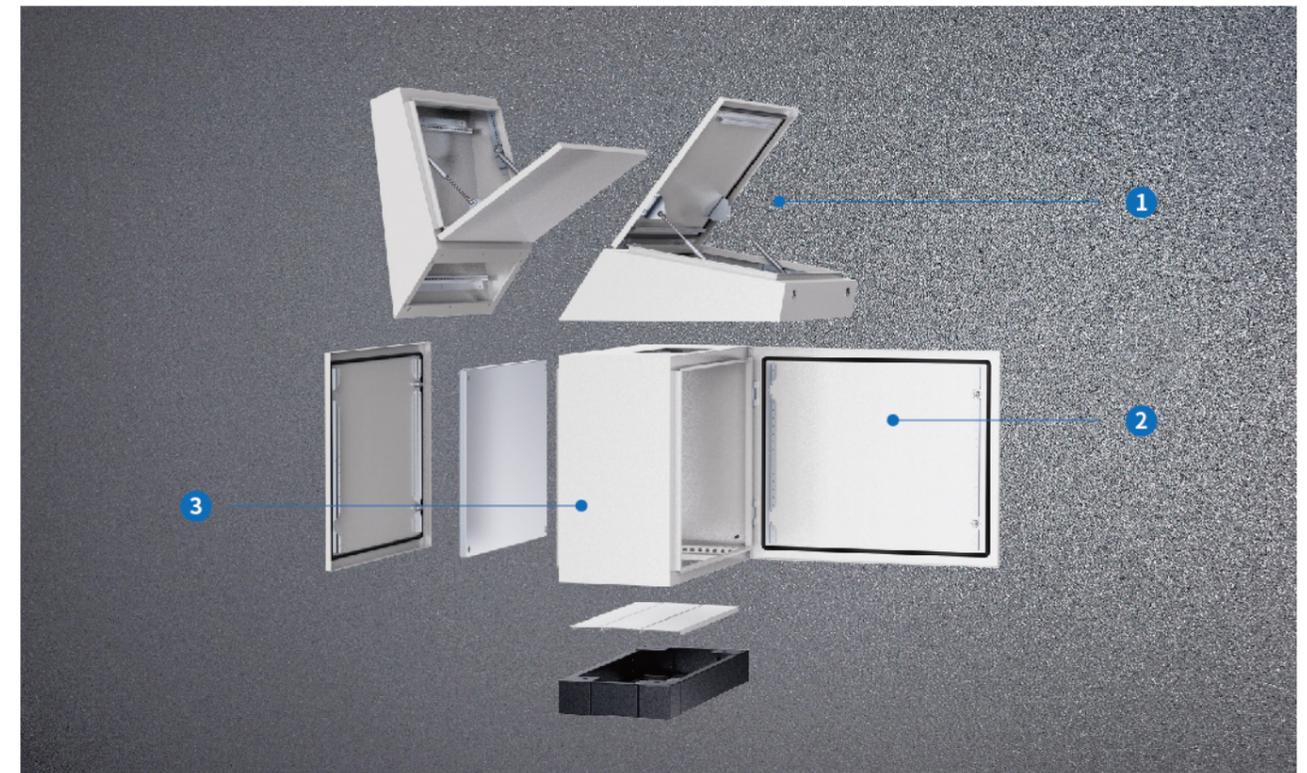
### IP RATING

IP54

### CERTIFICATION

CE, IK08

## PRODUCT STRUCTURE



### ① Top Section

- Box Part
- The door panel is fixed with hinges, and pneumatic rod
- The bottom is open for easy cable setting

### ② Middle Section

- Box Part
- The door panel is fixed with hinges, and pneumatic rod for automatic setting and unlocking
- Open setting design for easy cable setting

### ③ Bottom Section

- Top of box part is open
- Single or double door setting
- 2.5mm galvanized steel mounting plate included
- Open bottom for easy cable setting



— ACCESSORY SELECTION



TP Piano Style Operating Console (3 Parts)

High	650+235+675	650+235+675	650+235+675	650+235+675	650+235+675
Width	600	800	1000	1200	1600
Deep	750	750	750	750	750



TP Piano Style Operating Console (2 Parts)

High	235+675	235+675	235+675	235+675	235+675
Width	600	800	1000	1200	1600
Deep	750	750	750	750	750



TP Piano Style Operating Console (1 Part)

High	675	675	675	675	675
Width	600	800	1000	1200	1600
Deep	400	400	400	400	400



Outdoor Insulation Cabinet Type 1

CE 3PL IP65

## Outdoor Insulation Cabinet Type 1

The outdoor insulation cabinets are used for public facilities and are placed outdoors for a long time. Due to the weather change, the inside of common enclosure is affected by the high or low temperature. This will affect the working efficiency and life expectancy of facility. The insulation must be considered.

The insulation reduces the effect caused by temperature change, maintains the steady temperature inside the cabinet. This ensures the normal working of the equipment inside the cabinet. Besides the heat insulation, the insulation material we use is also fire resistant and moisture proof.

### MATERIAL

Box: 1.5mm  
 Door: 2.0 mm  
 Mounting Plate:  
 2-2.5mm galvanized plate

### SURFACE TREATMENT

Powder Coating  
 (Smooth Surface, Orange Peel Textured Surface, Sand Textured Surface), Stainless Steel Brushed Hair Line Surface

### STANDARD COLOR

RAL7035, RAL7032

### IP RATING

IP65

### CERTIFICATION

CE, IK08

## PRODUCT STRUCTURE



- ① Equipped with a fan at the top to dissipate heat. The interior of the rain cap only has a recessed design, effectively waterproof
- ② Equipped with insulation cotton on both sides
- ③ Insulation cotton fixing plate (galvanized)
- ④ Insulation cotton (t=20mm)

## COMMON SIZE

Size (mm)				
High	1200	1600	1800	2000
Width	600	600	800	800
Deep	600	600	600	600



Outdoor Insulation Cabinet Type II

CE 3PL IP65

## Outdoor Insulation Cabinet Type II

The additional panel, or the baffle, helps reduce the effect caused by high temperature. This additional panel also protects the main enclosure from damage caused by wind and sand. It is an economical insulation cabinet and normally used in dry desert area.

### MATERIAL

Box: 1.5mm  
 Door: 2.0 mm  
 Mounting Plate:  
 2-2.5mm galvanized plate

### SURFACE TREATMENT

Powder Coating  
 (Smooth Surface, Orange Peel Textured Surface, Sand Textured Surface), Stainless Steel Brushed Hair Line Surface

### STANDARD COLOR

RAL7035, RAL7032

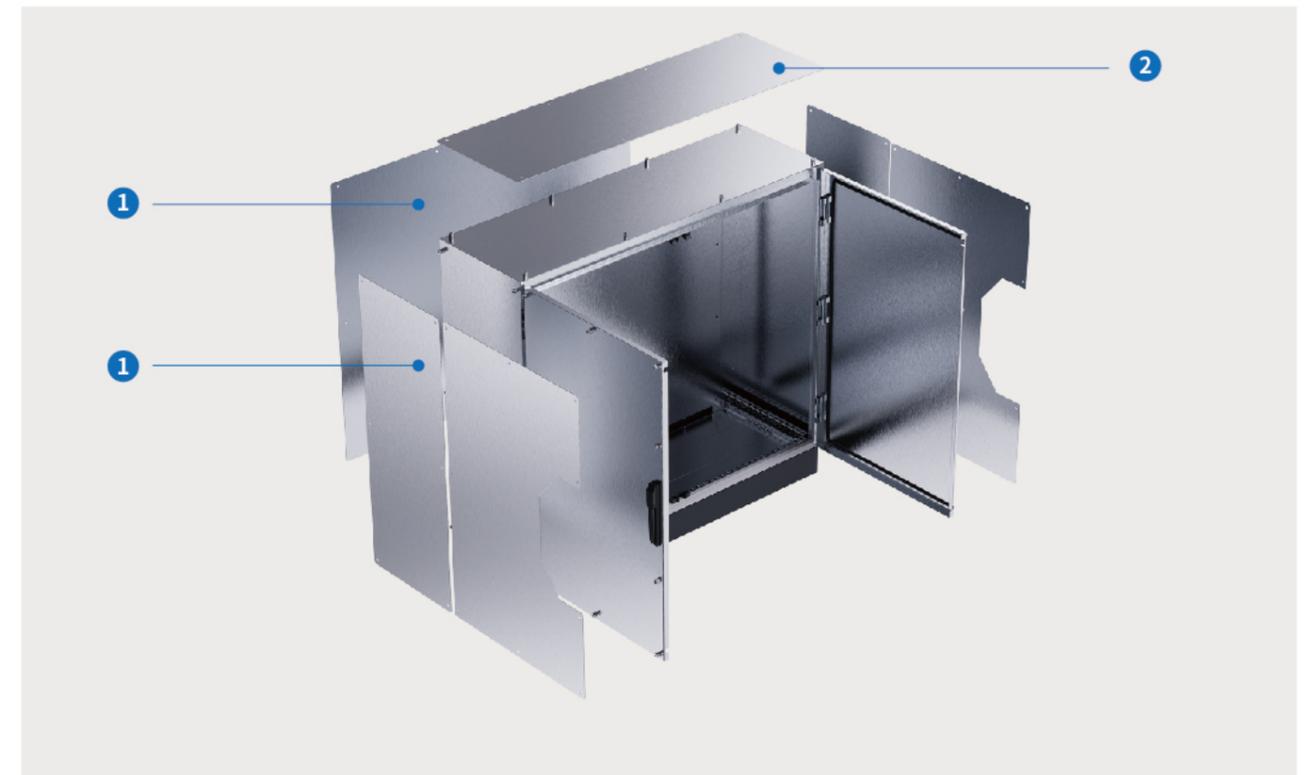
### IP RATING

IP65

### CERTIFICATION

CE, IK08

## PRODUCT STRUCTURE



① The surrounding baffles can provide insulation and protection

② The top baffle can provide insulation and rain protection

## COMMON SIZES

Size (mm)				
High	1200	1200	1600	1600
Width	1000	1000	1000	1200
Deep	400	600	400	600



IT Network Cabinet - Front and Rear Mesh Door

CE 3PL IP41

## IT Network Cabinet - Front and Rear Mesh Door

### MATERIAL

Box: 1.5mm  
 Panel: 2.0mm  
 Mounting Plate:  
 2-2.5mm galvanized plate

### COLOUR

Black RAL9005

### IP RATING

The cabinet meets IP41

### SCOPE OF SUPPLY

Box frame, top plate, front door, rear door, and one pair of corner gauges at the front and rear respectively  
 Three point comfortable door lock (with key)

### CERTIFICATION

CE, IK08

### VENTILATION RATE OF MESH DOOR

Basic 78%, maximum 85%

### Cabinet height 2000mm, width 600mm

Height (H) mm	2000	2000	2000	2000	2000	2000
Width (W) mm	600	600	600	600	600	600
Depth (D) mm	600	800	900	1000	1100	1200
Door opening method	Front single mesh door, rear double mesh door, door axis on the right					
Angle rail mode	42U, 19 "Installation standard 19", adjustable distance between front and rear installation planes					
Side panel thickness mm	1.2	1.2	1.5	1.5	1.5	1.5

### Cabinet height 2000mm, width 800mm

Height (H) mm	2000	2000	2000	2000	2000	2000
Width (W) mm	800	800	800	800	800	800
Depth (D) mm	600	800	900	1000	1100	1200
Door opening method	Front single mesh door, rear double mesh door, door axis on the right					
Angle rail mode	42U, 19 "Installation standard 19", adjustable distance between front and rear installation planes					
Side panel thickness mm	1.2	1.2	1.5	1.5	1.5	1.5

### Cabinet height 2200mm, width 600mm

Height (H) mm	2200	2200	2200	2200	2200	2200
Width (W) mm	600	600	600	600	600	600
Depth (D) mm	600	800	900	1000	1100	1200
Door opening method	Front single mesh door, rear double mesh door, door axis on the right					
Angle rail mode	42U, 19 "Installation standard 19", adjustable distance between front and rear installation planes					
Side panel thickness mm	1.2	1.2	1.5	1.5	1.5	1.5

### Cabinet height 2200mm, width 800mm

Height (H) mm	2200	2200	2200	2200	2200	2200
Width (W) mm	800	800	800	800	800	800
Depth (D) mm	600	800	900	1000	1100	1200
Door opening method	Front single mesh door, rear double mesh door, door axis on the right					
Angle rail mode	42U, 19 "Installation standard 19", adjustable distance between front and rear installation planes					
Side panel thickness mm	1.2	1.2	1.5	1.5	1.5	1.5



IT Network Cabinet -Front Glass Door, Rear Mesh Door

CE 3PL IP41

## IT Network Cabinet -Front Glass Door, Rear Mesh Door

### MATERIAL

Box: 1.5mm  
 Panel: 2.0mm  
 Mounting Plate:  
 2-2.5mm galvanized plate

### COLOUR

Black RAL9005

### IP RATING

The cabinet meets IP2X

### SCOPE OF SUPPLY

Box frame, top plate, front door, rear door, and one pair of corner gauges at the front and rear respectively  
 Three point comfortable door lock (with key)

### CERTIFICATION

CE, IK08

### VENTILATION RATE OF MESH DOOR

Basic 78%, maximum 85%

### Cabinet height 2000mm, width 600mm

Height (H) mm	2000	2000	2000	2000	2000	2000
Width (W) mm	600	600	600	600	600	600
Depth (D) mm	600	800	900	1000	1100	1200
Door opening method	Front single opening glass door, rear double opening mesh door, door axis on the right					
Angle rail mode	42U, 19" installation standard (19" adjustable to 21" standard installation plane), 19"/21" front and rear installation plane distance adjustable					
Side panel thickness mm	1.2	1.2	1.5	1.5	1.5	1.5

### Cabinet height 2000mm, width 800mm

Height (H) mm	2000	2000	2000	2000	2000	2000
Width (W) mm	800	800	800	800	800	800
Depth (D) mm	600	800	900	1000	1100	1200
Door opening method	Front single opening glass door, rear double opening mesh door, door axis on the right					
Angle rail mode	42U, 19" installation standard (19" adjustable to 21" standard installation plane), 19"/21" front and rear installation plane distance adjustable					
Side panel thickness mm	1.2	1.2	1.5	1.5	1.5	1.5

### Cabinet height 2200mm, width 600mm

Height (H) mm	2200	2200	2200	2200	2200	2200
Width (W) mm	600	600	600	600	600	600
Depth (D) mm	600	800	900	1000	1100	1200
Door opening method	Front single opening glass door, rear double opening mesh door, door axis on the right					
Angle rail mode	42U, 19" installation standard (19" adjustable to 21" standard installation plane), 19"/21" front and rear installation plane distance adjustable					
Side panel thickness mm	1.2	1.2	1.5	1.5	1.5	1.5

### Cabinet height 2200mm, width 800mm

Height (H) mm	2200	2200	2200	2200	2200	2200
Width (W) mm	800	800	800	800	800	800
Depth (D) mm	600	800	900	1000	1100	1200
Door opening method	Front single opening glass door, rear double opening mesh door, door axis on the right					
Angle rail mode	42U, 19" installation standard (19" adjustable to 21" standard installation plane), 19"/21" front and rear installation plane distance adjustable					
Side panel thickness mm	1.2	1.2	1.5	1.5	1.5	1.5

Fan and Filter



Fan and Filter

Easy to open and replace filter without using any tools. The back side of filter has setting nuts for fitting fans of different sizes. All nuts are stainless steel.



KDM9903.230



KDM9903.300



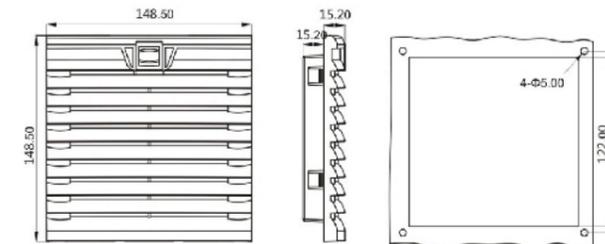
KDM99 Series Fans and Filters

Filter material: ABS

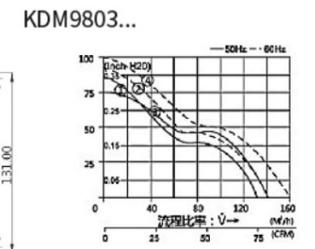
Flame retardant level: UL94-V0

IP level: IP54

DIMENSION



POWER CHARACTERISTIC CURVE



MODEL	KDM9903/120.230				KDM9903/120.115			
Colour	RAL7035	RAL7032	RAL7035	RAL7032	RAL7035	RAL7032	RAL7035	RAL7032
Material code	1014001	1014002	1014003	1014004	1014005	1014006	1014007	1014008
Axial fan	ZF-120S-230		ZF-120B-230		ZF-120S-115		ZF-120B-115	
Rated working voltage (V/Hz)	230/50/60				115/50/60			
Air flow rate, free blowing	105/120m³/h							
Air flow rate, outlet filter	1 x KDM9903:71/82m³/h				2 x KDM9903:85/98m³/h			
Axial flow fan	Automatic shielded pole motor							
Rated current (A)	0.12/0.10				0.24/0.23			
Power (watts)	19/14				18/15			
Noise level (decibels)	36/40							
Working temperature range	-10°C ~ +55°C							
Export filtration model	KDM9903:(RAL7035/RAL7032)1014009/1014010							

Note: Standard PA66 plastic mesh cover is required. If you need special voltage or other mesh covers, please contact our company for inquiries



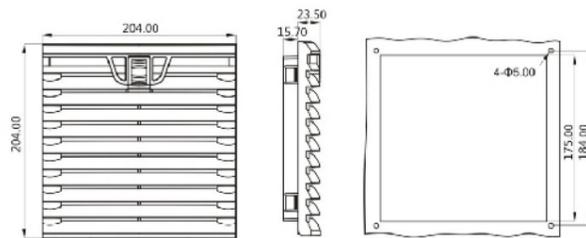
## KDM99 Series Fans and Filters

Filter material: ABS

Flame retardant level: UL94-V0

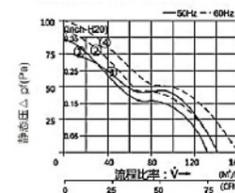
IP level: IP54

### DIMENSION



### POWER CHARACTERISTIC CURVE

KDM9904...



MODEL	KDM9904/120.230		KDM9904/150.230		KDM9904/120.115		KDM9904/150.115	
Colour	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032
Material code	1014011 1014012	1014013 1014014	1014015 1014016	1014017 1014018	1014019 1014020	1014021 1014022	1014023 1014024	1014025 1014026
Axial fan	ZF-120S-230	ZF-120S-230	ZF-150S-230	ZF-150B-230	ZF-120S-115	ZF-120B-115	ZF-150S-115	ZF-150B-115
Rated working voltage (V/Hz)	230/50/60				115/50/60			
Air flow rate, free blowing	120/128m³/h							
Air flow rate, outlet filter	1 x KDM9904:71/82m³/h				2 x KDM9904:85/98m³/h			
Axial flow fan	Automatic shielded pole motor							
Rated current (A)	0.12/0.10		0.25		0.24/0.23		0.50	
Power (watts)	10/14		36		19/15		36	
Noise level (decibels)	43/50		58		43/50		58	
Working temperature range	-10°C ~ +55°C							
Export filtration model	KDM9904:(RAL7035/RAL7032)1014027/1014028							

Note: Standard PA66 plastic mesh cover is required. If you need special voltage or other mesh covers, please contact our company for inquiries

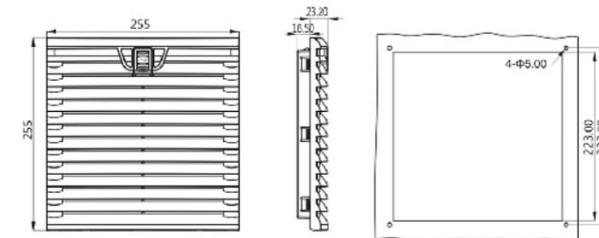
## KDM99 Series fans and filters

Filter material: ABS

Flame retardant level: UL94-V0

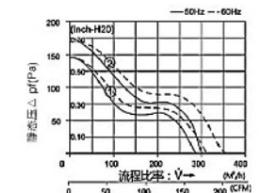
IP level: IP54

### DIMENSION



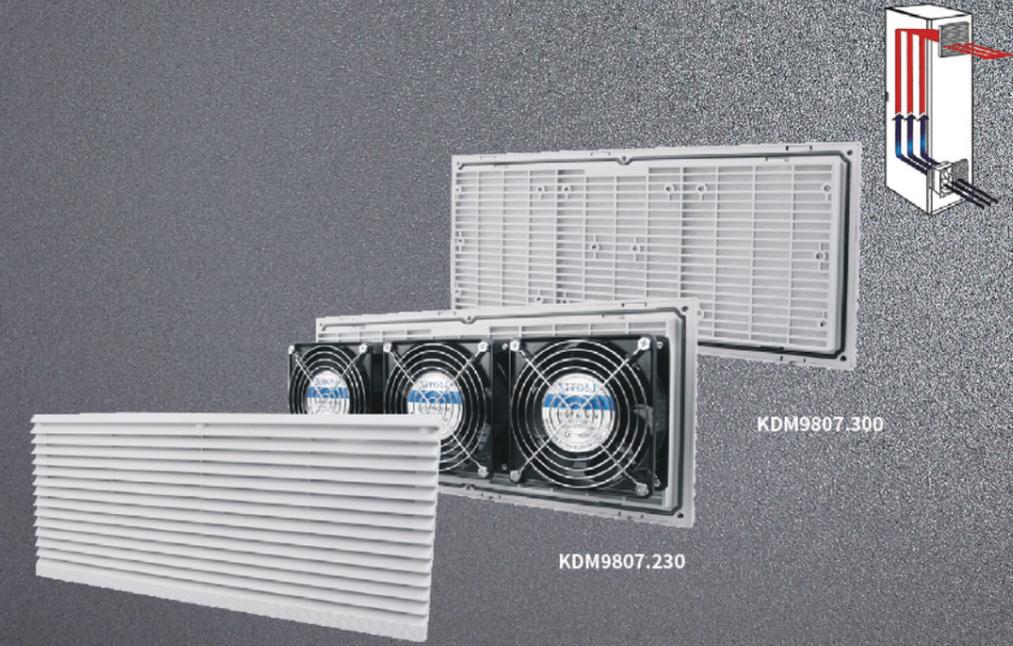
### POWER CHARACTERISTIC CURVE

KDM9905...



MODEL	KDM9905/150.230		KDM9905/220.230		KDM9905/150.115		KDM9905/220.115	
Colour	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032
Material code	1014029 1014030	1014031 1014032	1014033 1014034	1014035 1014036	1014037 1014038	1014039 1014040	1014039 1014040	1014040
Axial fan	ZF-150S-230	ZF-150B-230	ZF-220B-230	ZF-150S-115	ZF-150B-115	ZF-220B-115	ZF-220B-115	ZF-220B-115
Rated working voltage (V/Hz)	230/50/60				115/50/60			
Air flow rate, free blowing	190/220m³/h							
Air flow rate, outlet filter	1 x KDM9905:170/205m³/h				2 x KDM9905:210/235m³/h			
Axial flow fan	Automatic shielded pole motor							
Rated current (A)	0.25	0.25	0.45	0.50	0.50	0.50	0.90	0.90
Power (watts)	36	36	65	36	36	65	65	65
Noise level (decibels)	58/65							
Working temperature range	-10°C ~ +55°C							
Export filtration model	KDM9905:(RAL7035/RAL7032)1014041/1014042							

Note: Standard PA66 plastic mesh cover is required. If you need special voltage or other mesh covers, please contact our company for inquiries



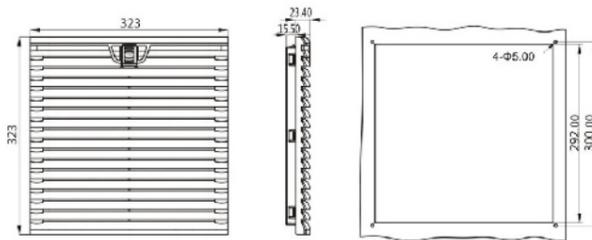
## KDM99 Series Fans and Filters

Filter material: ABS

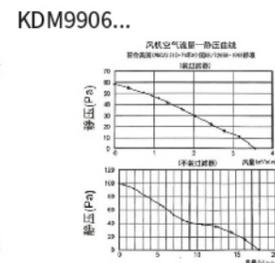
Flame retardant level: UL94-V0

IP level: IP54

### DIMENSION



### POWER CHARACTERISTIC CURVE



MODEL	KDM9906/150.230		KDM9906/250.230		KDM9906/150.115		KDM9906/250.115	
colour	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032	RAL7035 RAL7032
Material code	1014043 1014044	1014045 1014046	1014047 1014048	1014049 1014050	1014051 1014052	1014053 1014054		
Axial fan	ZF-150S-230	ZF-150B-230	ZF-250B-230	ZF-150S-115	ZF-150B-115	ZF-250B-115		
Rated working voltage (V/Hz)	230/50/60			115/50/60				
Air flow rate, free blowing	960/1020m³/h							
Air flow rate, outlet filter	1 x KDM9906:738/784m³/h				2 x KDM9906:856/909m³/h			
Axial flow fan	Automatic shielded pole motor							
Rated current (A)	0.25/0.23	0.25/0.23	0.25	0.48/0.55	0.48/0.55	0.55		
Power (watts)	35/38	35/38	60	41/38	41/38	60		
Noise level (decibels)	59/68							
Working temperature range	-10°C ~ +55°C							
Export filtration model	KDM9906:(RAL7035/RAL7032)1014055/1014056							

Note: Standard PA66 plastic mesh cover is required. If you need special voltage or other mesh covers, please contact our company for inquiries

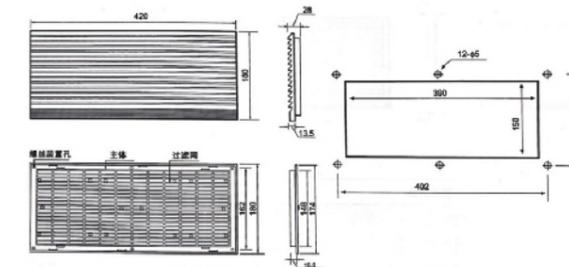
## KDM98 Series Fans and Filters

Filter material: ABS

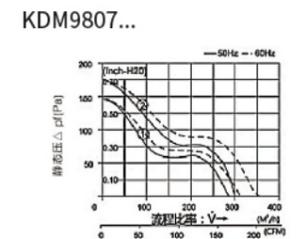
Flame retardant level: UL94-V0

IP level: IP54

### DIMENSION



### POWER CHARACTERISTIC CURVE



MODEL	KDM9807.230		KDM9807.300	
Colour	RAL7035	RAL7032	RAL7035	RAL7032
Material code	1013057	1013058	1013059	1013060
Effective air volume	100m³/MIN			
Maximum wind speed	2.0M/SEC			
Dust removal rate	80%			
Pressure loss range	6.7-20INCH-H2O			
Scope of use	Indoor-10°C+85°C			
Export filtration model	KDM9807:(RAL7035/RAL7032)1013061/1013062			

Note: This fan can be installed with three ZF-120-230 fans or two ZF-150-230 fans at the same time. Its feature is good installation flexibility and wide applicability.

Do not use pneumatic tools or other high torque tools during installation.



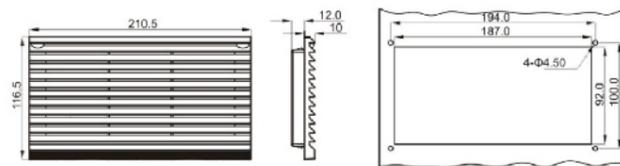
## KDM98 Series Fans and Filters

Filter material: ABS

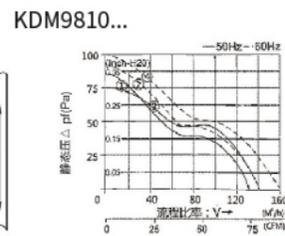
Flame retardant level: UL94-V0

IP level: IP54

### DIMENSION



### POWER CHARACTERISTIC CURVE



MODEL	KDM9810.230				KDM9810.115			
Colour	RAL7035		RAL7032		RAL7035		RAL7032	
Material code	1013069	1013070	1013071	1013072	1013073	1013074	1013075	1013076
Axial fan	ZF-92S-230				ZF-92S-115			
Rated working voltage (V/Hz)	230/50/60				115/50/60			
Air flow rate, free blowing	120m <sup>3</sup> /h							
Axial flow fan	Automatic shielded pole motor							
Rated current (A)	0.07/0.06				0.12/0.1			
Power (watts)	5.5/5.3				11/13			
Noise level (decibels)	36/38							
Working temperature range	-10°C ~ +55°C							
Export filtration model	KDM9810:(RAL7035/RAL7032)1013077/1013078							

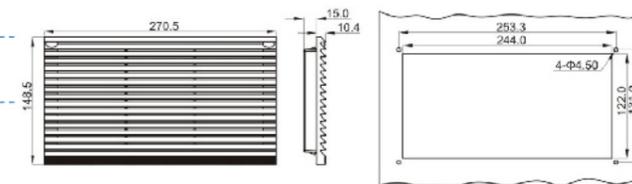
## KDM98 Series Fans and Filters

Filter material: ABS

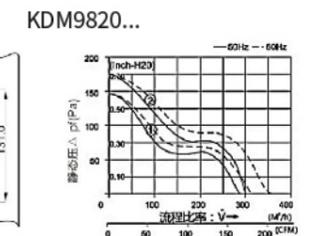
Flame retardant level: UL94-V0

IP level: IP54

### DIMENSION



### POWER CHARACTERISTIC CURVE



MODEL	KDM9820.230				KDM9820.115			
Colour	RAL7035		RAL7032		RAL7035		RAL7032	
Material code	1013079	1013080	1013081	1013082	1013083	1013084	1013085	1013086
Axial fan	ZF-120S-230		ZF-120B-230		ZF-120S-115		ZF-120B-115	
Rated working voltage (V/Hz)	230/50/60				115/50/60			
Air flow rate, free blowing	210/220m <sup>3</sup> /h							
Axial flow fan	Automatic shielded pole motor							
Rated current (A)	0.12/0.1				0.24/0.23			
Power (watts)	19/14				18/15			
Noise level (decibels)	43/50							
Working temperature range	-10°C ~ +55°C							
Export filtration model	KDM9820:(RAL7035/RAL7032)1013087/1013088							

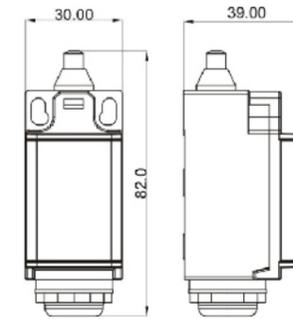
Note: This fan can be installed with two ZF-120-230 fans at the same time, characterized by good installation flexibility and wide applicability.

Do not use pneumatic tools or other high torque tools during installation.

Cabinet Electronic Lighting



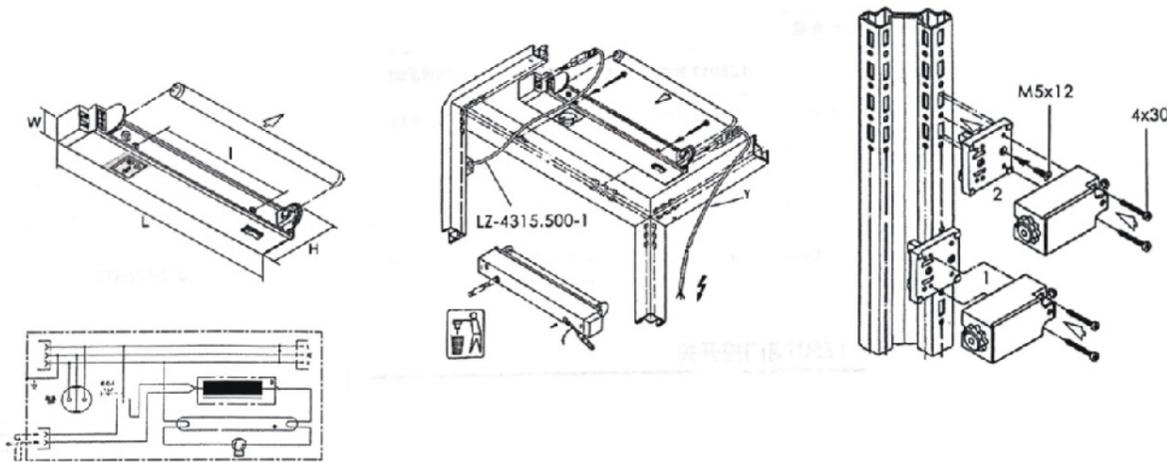
- Small volume highlight
- Smooth movements and stable performance
- 1 million switch lifespan
- High performance flame retardant PA



MODEL	KDM-LED7W
Material code	3010021
Voltage (V)	180-230(VAC)
Power (W)	7
Light quantity (LM)	>600
Color temperature (K)	V-1
Service life (h)	20000
Working temperature (C)	12W
Weight (g)	170
Size (mm)	30*39*82
Switching mode	Travel (door control) switch
Installation method	Screw installation
Line length (m)	2
Protection level	IP20
Power interface	Positive and negative poles (L/N)
Operation frequency	Mechanical: 120 times/minute Electrical: 30 times/minute

Cabinet Electronic Lighting

DIMENSIONAL DRAWING



Door control switch and power cord  
Material code 3010029

Power cord  
Material code 3010030

MODEL	KDM-6W.230	KDM-6W.230-C	KDM-6W.024	KDM-6W.024-C	KDM-12W.230	KDM-12W.230-C	KDM-12W.024	KDM-12W.024-C
Material code	3010021	3010022	3010023	3010024	3010025	3010026	3010027	3010028
Size (LxWxH)	390x30x45				500x30x45			
Fixed method	Screw fixation	Magnet fixation	Screw fixation	Magnet fixation	Screw fixation	Magnet fixation	Screw fixation	Magnet fixation
Lamp body material	Aluminum+PC							
surface treatment	Oxidation							
Flame retardant grade (plastic)	V-1							
source	Constant current							
Input power	6W				12W			
input voltage	110V-20V(Currency)		12V-48V(Currency)		110V-20V(Currency)		12V-48V(Currency)	
frequency	50/60							
Input current	65mA							
Power consumption	6kW/h							
Luminous flux	500LM							
Color temperature	6500+575K							
service life	20.000h							
ambient temperature	-30~+50°C							
Human body induction	6W lamp J230V can be equipped with human body sensing							

MODEL	KDM10-1/2		KDM14-1/2		KDM18-1/2		KDM30-1/2	
Logistics code	3010001	3010005	3010002	3010006	3010003	3010007	3010004	3010008
Length (L) mm	425		450		685		990	
Width (W) mm	50		50		50		50	
Height (H) mm	117		117		117		117	
Installation hole center distance (I)	224		275		400		600	
Power (Pw)	10w		14w		18w		30w	
Voltage (V)	230		230		230		230	

Note: If special voltage is required, please contact our company for inquiries- 1 is a national standard socket- 2 is a European standard socket.

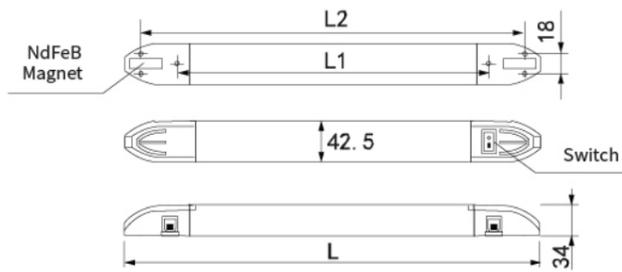
LED cabinet lights



### KDM-A series

- A newly designed electrical cabinet light with beautiful appearance and strong practicality: widely used in cabinets, electrical cabinets, control rooms and other places, using high light efficiency SMDLED, with a long service life; Aluminum alloy body, good heat dissipation, low temperature, PC diffusion lampshade makes the light more uniform and soft. Multiple installation methods are available, and built-in wiring is used for easy use.

#### DIMENSIONAL DRAWING



#### DETAIL DRAWING

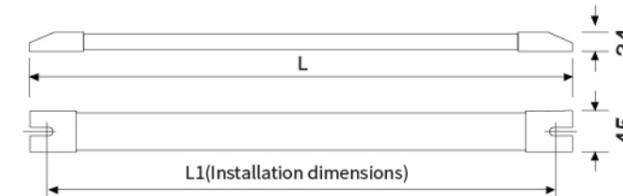


MODEL	KDM -2408A	KDM -11008A	KDM -22008A	KDM -2412A	KDM -11012A	KDM -22012A	KDM -2418A	KDM -11018A	KDM -22018A	KDM -2421A	KDM -11021A	KDM -22021A
Nominal power	8W			12W			18W			21W		
Using light sources	SMDLED			SMDLED			SMDLED			SMDLED		
Window size	200mm			300mm			400mm			550mm		
voltage	DC24V	AC110V	AC220V									
Light source luminous flux	960lm			1440lm			2160lm			2520lm		
Color temperature	4000K/6400K			4000K/6400K			4000K/6400K			4000K/6400K		
Lampshade material	PC			PC			PC			PC		
Length dimension L	340mm			440mm			540mm			690mm		
Installation size L1	325mm			425mm			525mm			675mm		
Installation size L2	300mm			400mm			500mm			650mm		

### KDM-B series

- A newly designed electrical cabinet light with beautiful appearance and strong practicality, widely used in cabinets, electrical cabinets, control rooms, and other places. It adopts high light efficiency SMDLED and has a long service life; Aluminum alloy body, good heat dissipation, low temperature, PC diffused lampshade makes the light more uniform and soft: multiple installation methods are available, and built-in wiring is used for easy use.
- It has water proof function for wider applications

#### DIMENSIONAL DRAWING



#### DETAIL DRAWING



MODEL	KDM -2408B	KDM -11008B	KDM -22008B	KDM -2412B	KDM -11012B	KDM -22012B	KDM -2418B	KDM -11018B	KDM -22018B	KDM -2421B	KDM -11021B	KDM -22021B
Nominal power	8W			12W			18W			21W		
Using light sources	SMDLED			SMDLED			SMDLED			SMDLED		
Window size	200mm			300mm			400mm			550mm		
voltage	DC24V	AC110V	AC220V									
Light source luminous flux	960lm			1440lm			2160lm			2520lm		
Color temperature	4000K/6400K			4000K/6400K			4000K/6400K			4000K/6400K		
Lampshade material	PC			PC			PC			PC		
Length dimension L	310mm			410mm			510mm			660mm		
Installation size L1	280mm			380mm			480mm			630mm		

Industrial  
Air-  
conditioning



## Industrial Air Conditioning

The communication module, power block, PLC, frequency converter, drive system and other modules of the industrial automation control cabinet produce a large amount of heat during the working process. The cabinet air conditioning and fan filters provide a reasonable working temperature and humidity environment for the cabinet, while isolating dust and moisture inside and outside the cabinet environment. The use of control cabinet modules and equipment in a suitable environment enhances service life and reliability of the control system.

Wall  
Mounted  
Air-  
conditioning



## Wall Mounted Air-conditioning

(320W-750W)

### PRODUCT FEATURES

- Integrated temperature display and control
- High temperature alarm function, optional door position switch
- Equipped with alarm signal output function, simple power and signal line connection
- Long channel design of air inlet and outlet, safe airflow circulation, effectively eliminating hot spots
- Rotary compressor with high refrigeration output
- High voltage protector ensures safe and stable operation of air conditioning

### SHELL COLOR

RAL 7035

### SCOPE OF SUPPLY

Including installation of fasteners  
Standard Chinese and English user manual

### IP, IEC60529 Compliance

- External circulation protection level IP34
- Internal circulation protection level IP55

MODEL	Refrigeration power300W		Refrigeration power500W	
	KDM9.0320.230	KDM8.0320.230	KDM9.0500.230	KDM8.0500.230
Built in condensate evaporator	—	—	—	—
Effective cooling capacity W, L35/L35	320W	320W	500W	500W
According to DIN14511 L35/L50	180W	180W	300W	300W
Rated voltage V/Hz	230V/50-60HZ	230V/50-60HZ	230V/50-60HZ	230V/50-60HZ
Rated current A	1.6A	1.6A	2.0A	3.4A
Starting current A	3.0A	3.0A	5.0A	6.4A
Energy consumption W, L35/L35	260W	260W	380W	380W
According to DIN3168 L35/L50	280W	280W	420W	420W
Refrigerant/kg	R134A /0.105	R134A /0.105	R134A/0.35	R134A/0.35
Height (H) mm	560		650	
Width (W) mm	290		320	
Depth (D) mm	200		230	
Maximum allowable working pressure MP	2.8			
Safety level EN60529	IP55			
material quality	Galvanized steel plate			
Installation method	External mounted (side mounted/door mounted)			
colour	RAL7035			
Factory set temperature	35°C			
Operating environment temperature range	+10.....+55°C			
Wiring method	Plug and play type terminal blocks with plugs			

MODEL	Refrigeration power750W	
	KDM9.0750.230	KDM8.0750.230
Built in condensate evaporator	—	—
Effective cooling capacity W, L35/L35	750W	750W
According to DIN14511 L35/L50	500W	500W
Rated voltage V/Hz	230V/50-60HZ	230V/50-60HZ
Rated current A	2.2A	3.6A
Starting current A	5.6A	7.4A
Energy consumption W, L35/L35	480W	480W
According to DIN3168 L35/L50	530W	530W
Refrigerant/kg	R134A /0.38	R134A /0.38
Height (H) mm	650	650
Width (W) mm	320	320
Depth (D) mm	230	230
Maximum allowable working pressure MP	2.8	
Safety level EN60529	IP55	
material quality	Galvanized steel plate	
Installation method	External mounted (side mounted/door mounted)	
colour	RAL7035	
Factory set temperature	35°C	
Operating environment temperature range	+10.....+55°C	
Wiring method	Plug and play type terminal blocks with plugs	

Wall Mounted Air-conditioning



## Wall Mounted Air-conditioning

(1200W-1600W)

### PRODUCT FEATURES

- Integrated temperature display and control
- High temperature alarm function, optional door position switch
- Equipped with alarm signal output function, simple power and signal line connection
- Long channel design of air inlet and outlet, safe airflow circulation, effectively eliminating hot spots
- Rotary compressor with high refrigeration output
- High voltage protector ensures safe and stable operation of air conditioning

### SHELL COLOR

RAL 7035

### SCOPE OF SUPPLY

Including installation of fasteners  
Standard Chinese and English user manual

### IP, IEC60529 Compliance

External circulation protection level IP34  
Internal circulation protection level IP55

		Refrigeration power1200W			
MODEL		KDM9.1200.230	KDM8.1200.230	KDM9.1200.380	KDM8.1200.380
Built in condensate evaporator		—	—	—	—
Effective cooling capacity W,	L35/L35	1200W	1200W	1200W	1200W
According to DIN14511	L35/L50	775W	775W	775W	775W
Rated voltage V/Hz		230V/50-60HZ	230V/50-60HZ	380V/50-60HZ	380V/50-60HZ
Rated current A		4.0A	6.2A	2.0A	3.3A
Starting current A		12A	15A	12A	15A
Energy consumption W,	L35/L35	650W	650W	650W	650W
According to DIN3168	L35/L50	760W	760W	760W	760W
Refrigerant/kg		R134A /0.55	R134A /0.55	R134A /0.55	R134A /0.55
Height (H) mm		1000		1000	
Width (W) mm		400		400	
Depth (D) mm		250		250	
Maximum allowable working pressure MP		2.8			
Safety level EN60529		IP55			
material quality		Galvanized steel plate			
Installation method		External mounted (side mounted/door mounted)			
colour		RAL7035			
Factory set temperature		35°C			
Operating environment temperature range		+10.....+55°C			
Wiring method		Plug and play type terminal blocks with plugs			

		Refrigeration power1600W			
MODEL		KDM9.1600.230	KDM8.1600.230	KDM9.1600.380	KDM8.1600.380
Built in condensate evaporator		—	—	—	—
Effective cooling capacity W,	L35/L35	1600W	1600W	1600W	1600W
According to DIN14511	L35/L50	1100W	1100W	1100W	1100W
Rated voltage V/Hz		230V/50-60HZ	230V/50-60HZ	380V/50-60HZ	380V/50-60HZ
Rated current A		4.4A	6.6A	2.2A	3.5A
Starting current A		13A	16A	13A	16A
Energy consumption W,	L35/L35	745W	745W	745W	745W
According to DIN3168	L35/L50	830W	830W	830W	830W
Refrigerant/kg		R134A /0.61	R134A /0.61	R134A /0.61	R134A /0.61
Height (H) mm		1000		1000	
Width (W) mm		400		400	
Depth (D) mm		250		250	
Maximum allowable working pressure MP		2.8			
Safety level EN60529		IP55			
material quality		Galvanized steel plate			
Installation method		External mounted (side mounted/door mounted)			
colour		RAL7035			
Factory set temperature		35°C			
Operating environment temperature range		+10.....+55°C			
Wiring method		Plug and play type terminal blocks with plugs			

Wall Mounted Air-conditioning



## Wall Mounted Air-conditioning

(2000W-2500W)

### PRODUCT FEATURES

- Integrated temperature display and control
- High temperature alarm function, optional door position switch
- Equipped with alarm signal output function, simple power and signal line connection
- Long channel design of air inlet and outlet, safe airflow circulation, effectively eliminating hot spots
- Rotary compressor with high refrigeration output
- High voltage protector ensures safe and stable operation of air conditioning

### SHELL COLOR

RAL 7035

### SCOPE OF SUPPLY

Including installation of fasteners  
Standard Chinese and English user manual

### IP, IEC60529 Compliance

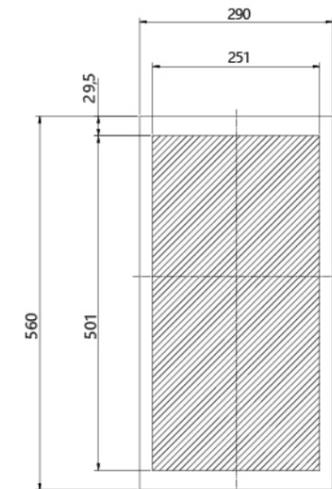
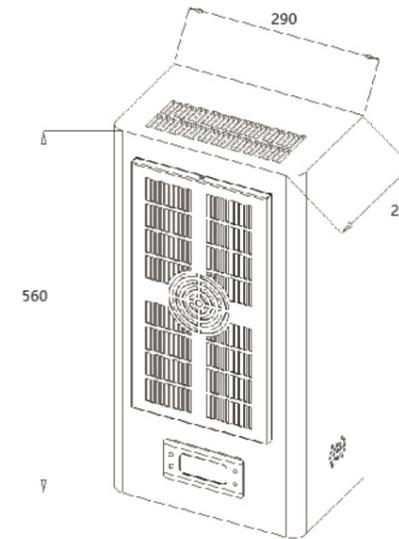
External circulation protection level IP34  
Internal circulation protection level IP55

		Refrigeration power2000W			
MODEL		KDM9.2000.230	KDM8.2000.230	KDM9.2000.380	KDM8.2000.380
Built in condensate evaporator		—	—	—	—
Effective cooling capacity W,	L35/L35	2000W	2000W	2000W	2000W
According to DIN14511	L35/L50	1450W	1450W	1450W	1450W
Rated voltage V/Hz		230V/50-60HZ	230V/50-60HZ	380V/50-60HZ	380V/50-60HZ
Rated current A		4.6A	6.8A	2.6A	3.9A
Starting current A		22A	25A	22A	24A
Energy consumption W,	L35/L35	825W	825W	825W	825W
According to DIN3168	L35/L50	1085W	1085W	1085W	1085W
Refrigerant/kg		R134A /0.75	R134A /0.75	R134A /0.75	R134A /0.75
Height (H) mm		1200		1200	
Width (W) mm		400		400	
Depth (D) mm		265		265	
Maximum allowable working pressure MP		2.8			
Safety level EN60529		IP55			
material quality		Galvanized steel plate			
Installation method		External mounted (side mounted/door mounted)			
colour		RAL7035			
Factory set temperature		35°C			
Operating environment temperature range		+10.....+55°C			
Wiring method		Plug and play type terminal blocks with plugs			

		Refrigeration power2500W			
MODEL		KDM9.2500.230	KDM8.2500.230	KDM9.2500.380	KDM8.2500.380
Built in condensate evaporator		—	—	—	—
Effective cooling capacity W,	L35/L35	2500W	2500W	2500W	2500W
According to DIN14511	L35/L50	1850W	1850W	1850W	1850W
Rated voltage V/Hz		230V/50-60HZ	230V/50-60HZ	380V/50-60HZ	380V/50-60HZ
Rated current A		6.4A	8.6A	4.0A	5.3A
Starting current A		25A	28A	24A	26A
Energy consumption W,	L35/L35	1325W	1325W	1325W	1325W
According to DIN3168	L35/L50	1485W	1485W	1485W	1485W
Refrigerant/kg		R134A /0.82	R134A /0.82	R134A /0.82	R134A /0.82
Height (H) mm		1200		1200	
Width (W) mm		400		400	
Depth (D) mm		265		265	
Maximum allowable working pressure MP		2.8			
Safety level EN60529		IP55			
material quality		Galvanized steel plate			
Installation method		External mounted (side mounted/door mounted)			
colour		RAL7035			
Factory set temperature		35°C			
Operating environment temperature range		+10.....+55°C			
Wiring method		Plug and play type terminal blocks with plugs			

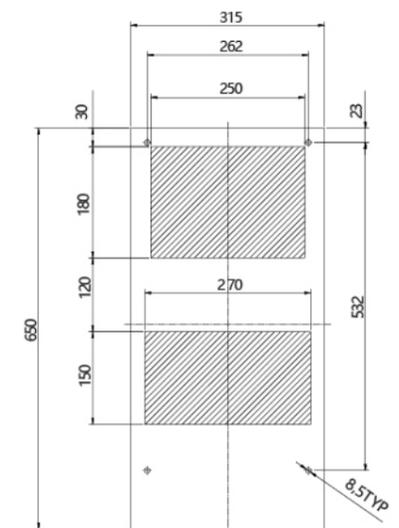
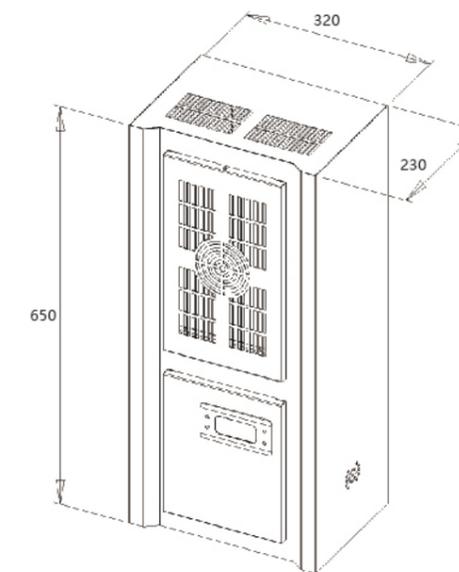
## Matrix Pro 320W

### INSTALLATION SIZES



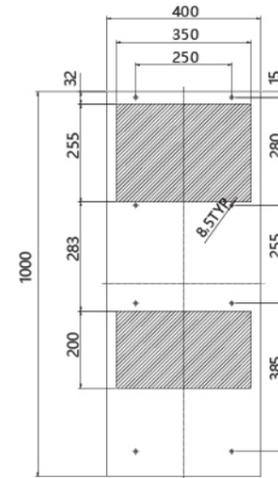
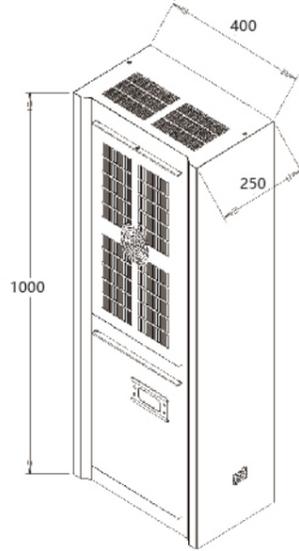
## Matrix Pro 500W-750W

### INSTALLATION SIZES



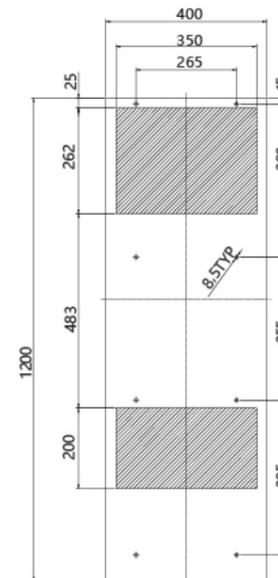
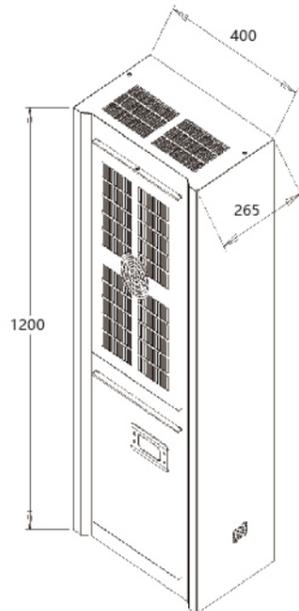
## Matrix Pro 1200W-1600W

### INSTALLATION SIZES

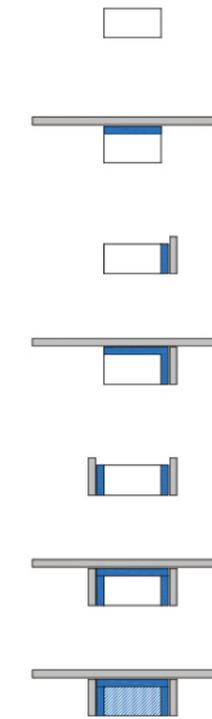


## Matrix Pro 2000W-2500W

### INSTALLATION SIZES



### COOLING CAPACITY CALCULATION



Cabinet placement without obstruction

$$S=1.8 \cdot H \cdot W + 1.8 \cdot H \cdot D + 1.4 \cdot W \cdot D$$

There is obstruction on the back of the cabinet

$$S=1.4 \cdot H \cdot W + 1.8 \cdot H \cdot D + 1.4 \cdot W \cdot D$$

There is obstruction on one side of the cabinet

$$S=1.8 \cdot H \cdot W + 1.4 \cdot H \cdot D + 1.4 \cdot W \cdot D$$

There is obstruction on one side and back of the cabinet

$$S=1.4 \cdot H \cdot W + 1.4 \cdot H \cdot D + 1.4 \cdot W \cdot D$$

There are obstructions on both sides of the cabinet

$$S=1.8 \cdot H \cdot W + 1.0 \cdot H \cdot D + 1.4 \cdot W \cdot D$$

There are obstructions on both sides and back of the cabinet

$$S=1.4 \cdot H \cdot W + 1.0 \cdot H \cdot D + 1.4 \cdot W \cdot D$$

The cabinet is only covered by the front door

$$S=1.4 \cdot H \cdot W + 1.0 \cdot H \cdot D + 0.7 \cdot W \cdot D$$

### AIR CONDITIONING SELECTION PARAMETERS AND COOLING CAPACITY CALCULATION

MAIN RELATED PARAMETERS	CODE	UNIT	
The effective surface area of the cabinet	S	m <sup>2</sup>	$Q_k = Q_v - Q_s$ $Q_s = k \cdot S \cdot (T_i - T_m)$ K conventional value 55W/mK The calculation standard is based on IEC60890/-VDE660, and it is recommended to reserve more than 20%. The cooling capacity of the air conditioner will be related to the filter screen, the cleanliness of the condensate, and the position of the air conditioner outlet.
The heat transfer coefficient of the cabinet	K	W/m <sup>2</sup> K	
Set temperature inside the cabinet	T <sub>i</sub>	°C	
Environmental temperature (max)	T <sub>m</sub>	°C	
Total heat dissipation of electrical components	Q <sub>v</sub>	W	
Conducting heat on the surface of the cabinet	Q <sub>s</sub>	W	
Refrigeration power	Q <sub>k</sub>	W	
IP protection level	IP55		

Comfort Operation Box



## Comfort Operation Box

### MATERIAL QUALITY

Box: Aluminum extruded profile 6063  
 Corner components: Zinc alloy  
 Handle fixing part: Zinc alloy front panel  
 Rear door: 3mm aluminum plate

### OPTIONAL ACCESSORIES

Handle kit  
 Keyboard holder  
 Door opening method: front and rear door opening

### COLOUR

Aluminum profile: anodized aluminum oxide in its natural color  
 Corner component: RAL7035  
 Handle kit: silver gray  
 Front and rear doors: brushed and oxidized

### PROTECTION LEVEL

Front and rear dumpling chain door opening: IP54  
 Screw fixed back panel: IP65

Note: The panel opening size and box size can be customized according to user needs

PRODUCT MODEL	FRONT PANEL WIDTH	FRONT PANEL HEIGHT	INSTALLATION DEPTH
KDM-E-63838152	380mm	380mm	152mm
KDM-E-64545152	450mm	450mm	152mm
KDM-E-65050152	500mm	500mm	152mm
KDM-E-66060152	600mm	600mm	152mm
KDM-E-65240152	520mm	400mm	152mm
KDM-E-65250152	520mm	500mm	152mm
KDM-E-65260152	520mm	600mm	152mm
KDM-E-65240191	520mm	400mm	191mm
KDM-E-65250191	520mm	500mm	191mm
KDM-E-65260191	520mm	600mm	191mm

## Economy Operation Box

### MATERIAL QUALITY

Box: Aluminum extruded profile 6063  
 Corner components: Zinc alloy  
 Handle fixing part: Zinc alloy  
 Rear door: 3mm aluminum plate

### OPTIONAL ACCESSORIES

Handle kit  
 Keyboard holder

### COLOUR

Aluminum profile: anodized aluminum oxide in its natural color  
 Corner component: RAL7035  
 Handle kit: silver gray  
 Front and rear doors: brushed and oxidized

### PROTECTION LEVEL

Front and rear dumpling chain door opening: IP54  
 Screw fixed back panel: IP65

Note: The panel opening size and box size can be customized according to user needs

PRODUCT MODEL	FRONT PANEL WIDTH	FRONT PANEL HEIGHT	INSTALLATION DEPTH
KDM-C-63030100	300mm	300mm	100mm
KDM-C-63838100	380mm	380mm	100mm
KDM-C-64545100	450mm	450mm	100mm
KDM-C-65050100	500mm	500mm	100mm
KDM-C-66060100	600mm	600mm	100mm
KDM-C-63838150	380mm	380mm	150mm
KDM-C-64545150	450mm	450mm	150mm
KDM-C-65050150	500mm	500mm	150mm
KDM-C-66060150	600mm	600mm	150mm

CANTILEVER SYSTEM

KDM-6085



**Supporting profiles**  
59\*85mm  
Material: Aluminum profile



**Box coupling components**  
Used for supporting arm connection 120 \* 65mm  
Material: Cast aluminum  
Rotation angle: 320 °



**Box assembly**  
Used for supporting arm connection with a diameter of 130mm  
Material: Cast aluminum  
Rotation angle: 320 °



**90° angle adapter**  
Used for supporting arm connection with a diameter of 130mm  
Material: Cast aluminum  
Rotation angle: 320 °



**Tilt angle adapter+100°/-60°**  
Used for supporting arm connection 120\*65mm  
Material: Iron  
Rotation angle: 320 °



**Angle adapter 90°**  
Used to support arm type 60  
Combination to Type 40  
Material: Iron



**Intermediate connector**  
Material: Cast aluminum  
Rotation angle: 320 °



**Top mounted connector**  
Horizontal outlet  
Material cast aluminum  
Rotation angle: 320 °



**Top mounted connector**  
Vertical outlet  
Material: Cast aluminum  
Rotation angle: 320 °



**Wall mounted connector 60 type**  
Horizontal outlet  
Material: Cast aluminum  
Rotation angle: 320 °



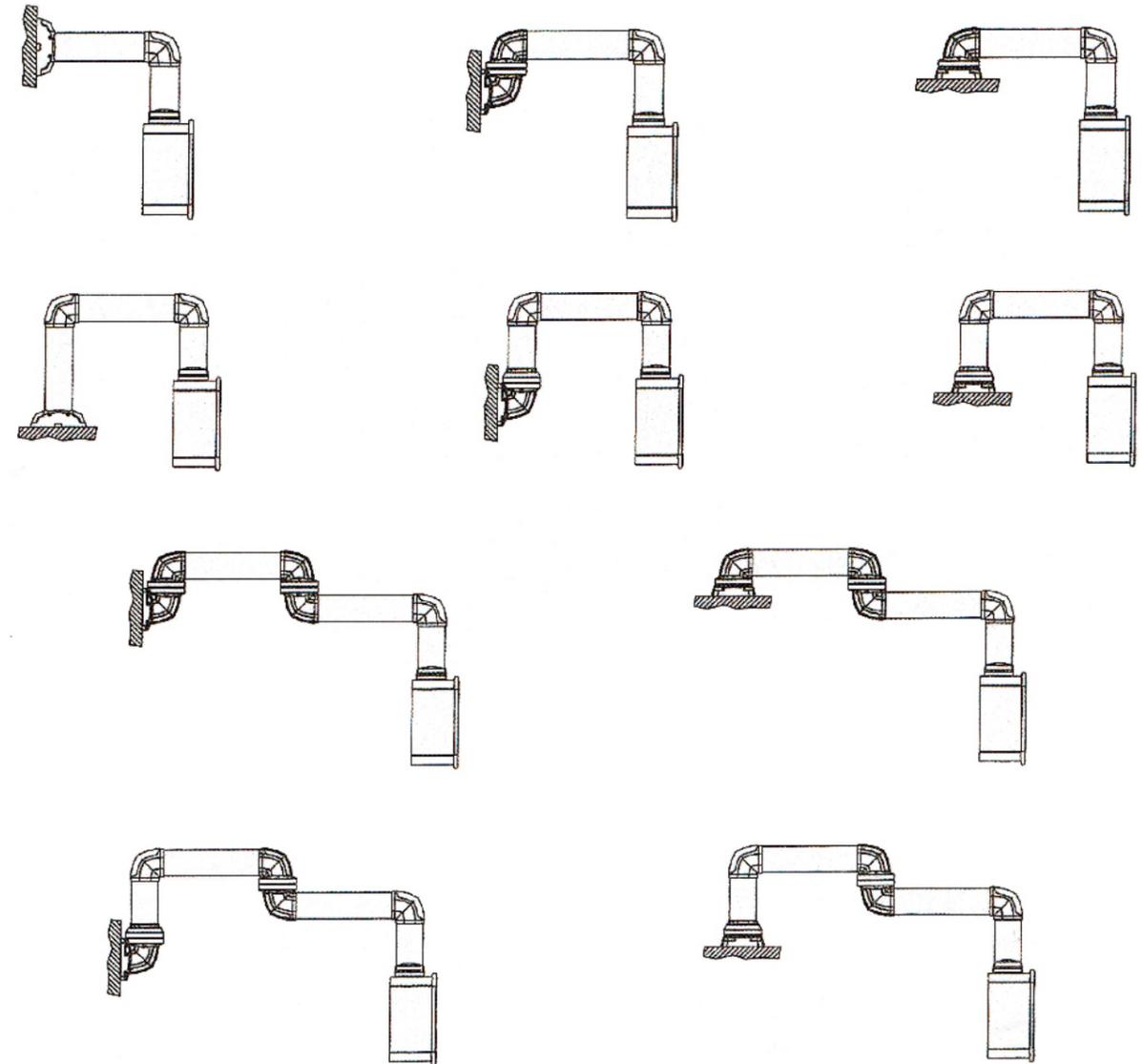
**Wall mounted connector 60 type**  
Vertical outlet  
Material: Cast aluminum  
Rotation angle: 320 °



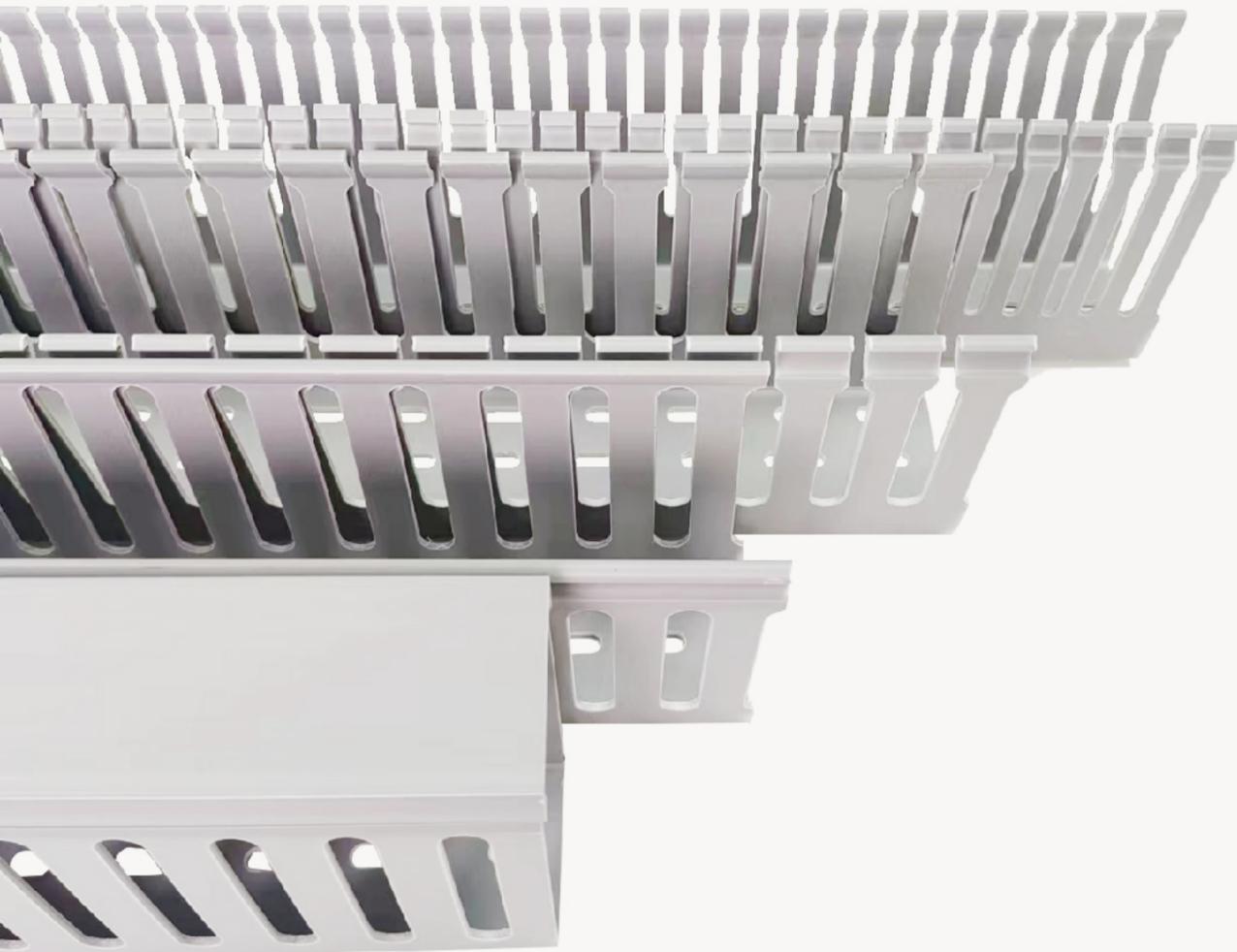
**Angle fixing piece 90°**  
Material: Cast aluminum

EXAMPLE OF CONFIGURATION

The following cases and demonstrations are just a small part of many possible configuration options

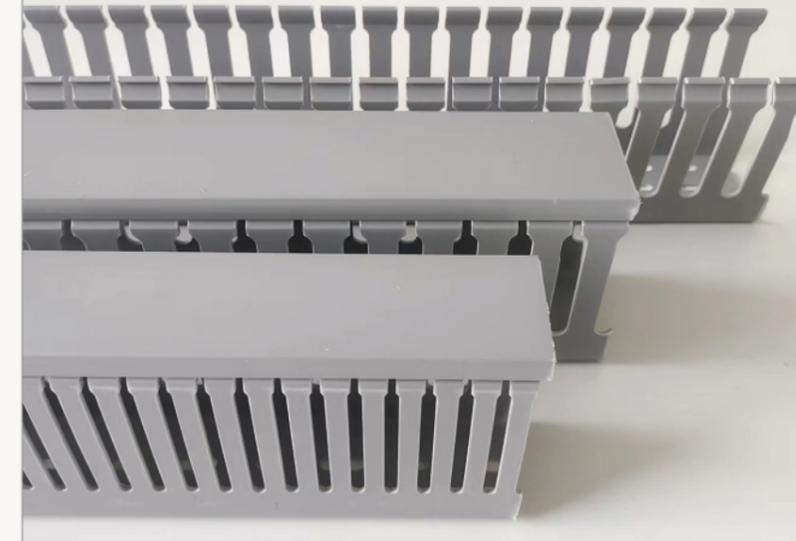


Insulated wiring Duct



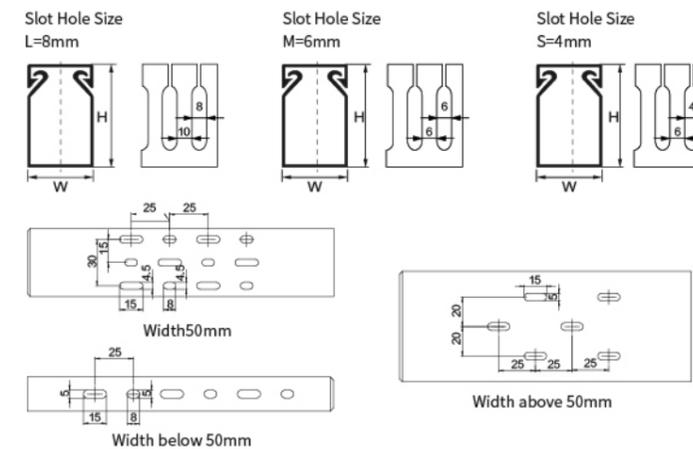
## Insulated Wiring Duct

Insulated wiring duct is a safe, reliable, and durable wiring equipment suitable for wiring work in various electrical engineering. Its excellent performance and characteristics can meet the wiring requirements in different environments, providing strong guarantees for the stable operation of electrical engineering.



## Insulated Wiring Duct

### DIMENSIONAL DRAWING



### PRODUCT INTRODUCTION

**Product Material:** Made of hard PVC material, environmentally friendly and pollution-free, free from toxic substances such as lead.

**Product Certification:** European CE, environmental RoHS.

**Fire Rating:** UL94V-0, low smoke and low halogen, non combustible when exposed to fire, excellent fire resistance and insulation.

**Product Structure:** composed of a groove bottom and a groove cover, with outlet holes on both sides of the bottom groove.

**Working Temperature:** -20 ° C-65 ° C.

**Usage:** First fix the bottom groove, install the required wires into the groove, and cover the groove cover.

**Product Features:**

1. The combination of the reverse buckle groove cover and the groove body design will not come off, and the joint surface will be smooth, without cutting hands or damaging nearby wiring.
2. The wiring groove is not easily broken, deformed, or discolored within 65°C, and assembly is time-saving and convenient.

**More Options:** Gray represents regular inventory products, standard length: 2 meters/piece

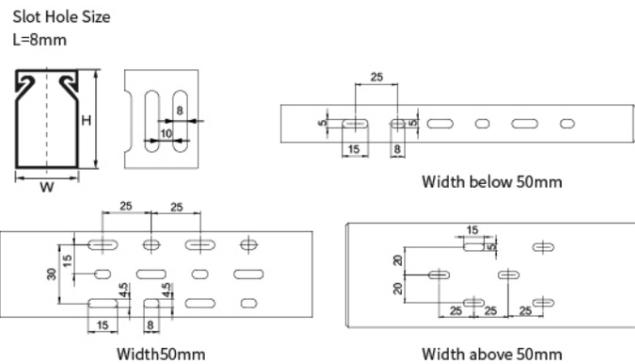
Unit:mm

Type	Specifications		Cable outlet	Line capacity (Expressed in 2.0 square meters)		
	W	H		Wires to be Contained		
KDM-25*25	25	25	S	10-25pcs		
KDM-25*30	25	30		15-25pcs		
KDM-30*30	30	30		30-40pcs		
KDM-35*35	35	35		35-50pcs		
KDM-25*40	25	40		20-25pcs		
KDM-40*40	40			60-70pcs		
KDM-60*40	60			100-115pcs		
KDM-80*40	80			120-135pcs		
KDM-25*50	25	50		2M/piece	20-25pcs	
KDM-35*50	35				40-60pcs	
KDM-40*50	40		45-75pcs			
KDM-50*50	50		80-90pcs			
KDM-60*50	60		100-120pcs			
KDM-80*50	80		160-180pcs			
KDM-25*60	25	60	M	40-45pcs		
KDM-30*60	30			50-60pcs		
KDM-40*60	40			100-115pcs		
KDM-50*60	50			100-120pcs		
KDM-60*60	60			120-135pcs		
KDM-80*60	80			180-210pcs		
KDM-25*65	25			65	2M/piece	40-65pcs
KDM-33*65	33					60-75pcs
KDM-45*65	45	110-120pcs				
KDM-65*65	65	180-200pcs				
KDM-25*80	25	80	L	100-120pcs		
KDM-30*80	30			105-125pcs		
KDM-35*80	35			110-130pcs		
KDM-40*80	40			140-160pcs		
KDM-50*80	50			160-180pcs		
KDM-60*80	60			180-210pcs		
KDM-80*80	80			240-290pcs		
KDM-100*80	100			260-350pcs		
KDM-120*80	120			280-380pcs		
KDM-25*100	25			100	2M/piece	120-150pcs
KDM-33*100	33	130-165pcs				
KDM-40*100	40	130-175pcs				
KDM-50*100	50	220-250pcs				
KDM-60*100	60	140-290pcs				
KDM-80*100	80	260-350pcs				
KDM-100*100	100		330-400pcs			
KDM-120*100	120		380-480pcs			



## Sealed Insulated Wiring Duct

### DIMENSIONAL DRAWING



### PRODUCT INTRODUCTION

**Product Material:** Made of hard PVC material, environmentally friendly and pollution-free, free from toxic substances such as lead.

**Product Certification:** European CE, environmental RoHS.

**Fire Rating:** UL94V-0, low smoke and low halogen, non combustible when exposed to fire, excellent fire resistance and insulation.

**Product Structure:** composed of a groove bottom and a groove cover, with outlet holes on both sides of the bottom groove.

**Working Temperature:** -20 °C-65 °C.

**Usage:** First fix the bottom groove, install the required wires into the groove, and cover the groove cover.

**Product Features:**

1. The combination of the reverse buckle groove cover and the groove body design will not come off, and the joint surface will be smooth, without cutting hands or damaging nearby wiring.
2. The wiring groove is not easily broken, deformed, or discolored within 65°C, and assembly is time-saving and convenient.

**More Options:** Gray represents regular inventory products, standard length: 2 meters/piece

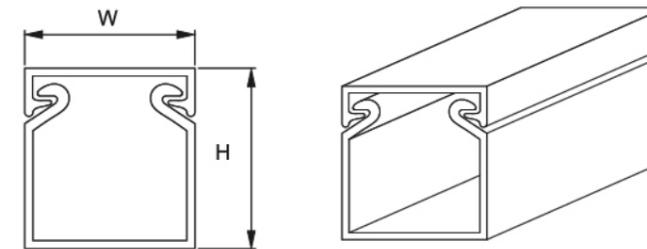
Unit:mm

Type	Specifications		Cable outlet	Line capacity (Expressed in 2.0 square meters)
	W	H		Wires to be Contained
KDM-25*25	25	25		10-25pcs
KDM-25*30	25	30		15-25pcs
KDM-30*30	30	30		30-40pcs
KDM-35*35	35	35		35-50pcs
KDM-25*40	25	40		20-25pcs
KDM-40*40	40		60-70pcs	
KDM-60*40	60		100-115pcs	
KDM-80*40	80		120-135pcs	
KDM-25*50	25	50		20-25pcs
KDM-35*50	35		40-60pcs	
KDM-40*50	40		45-75pcs	
KDM-50*50	50		80-90pcs	
KDM-60*50	60		100-120pcs	
KDM-80*50	80		160-180pcs	
KDM-25*60	25	60	8	40-45pcs
KDM-30*60	30		50-60pcs	
KDM-40*60	40		100-115pcs	
KDM-50*60	50		100-120pcs	
KDM-60*60	60		120-135pcs	
KDM-80*60	80		180-210pcs	
KDM-25*65	25	65		40-65pcs
KDM-33*65	33		60-75pcs	
KDM-45*65	45		110-120pcs	
KDM-65*65	65		180-200pcs	
KDM-25*80	25	80		100-120pcs
KDM-30*80	30		105-125pcs	
KDM-35*80	35		110-130pcs	
KDM-40*80	40		140-160pcs	
KDM-50*80	50		160-180pcs	
KDM-60*80	60		180-210pcs	
KDM-80*80	80		240-290pcs	
KDM-100*80	100		260-350pcs	
KDM-120*80	120		280-380pcs	
KDM-25*100	25	100		120-150pcs
KDM-33*100	33		130-165pcs	
KDM-40*100	40		130-175pcs	
KDM-50*100	50		220-250pcs	
KDM-60*100	60		140-290pcs	
KDM-80*100	80		260-350pcs	
KDM-100*100	100		330-400pcs	
KDM-120*100	120		380-480pcs	



## Sealed Insulated Wiring Duct

### DIMENSIONAL DRAWING



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**Product Certification:** European CE, environmental RoHS.

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**Working Temperature:** -20°C-65°C.

**Usage:** First fix the bottom groove, install the required wires into the groove, and cover the groove cover.

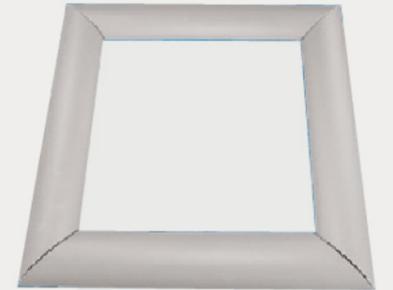
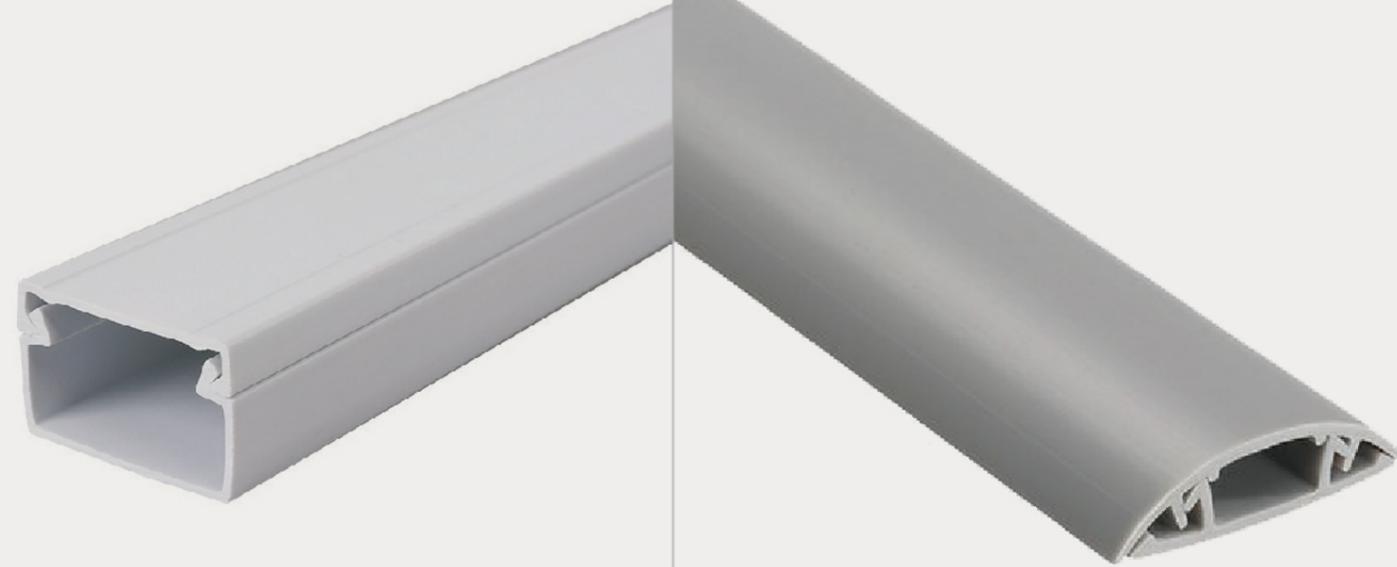
**Product Features:**

1. The combination of the reverse buckle groove cover and the groove body design will not come off, and the joint surface will be smooth, without cutting hands or damaging nearby wiring.
2. The wiring groove is not easily broken, deformed, or discolored within 65°C, and assembly is time-saving and convenient.

**More Options:** Gray represents regular inventory products, standard length: 2 meters/piece

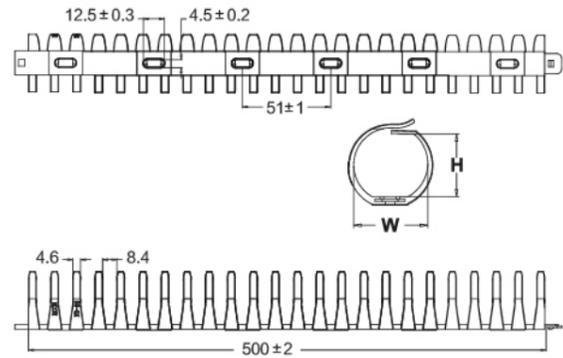
Unit:mm

Type	Specifications		Cable outlet	Line capacity (Expressed in 2.0 square meters)
	W	H		Wires to be Contained
KDM-25*25	25	25		10-25pcs
KDM-25*30	25	30		15-25pcs
KDM-30*30	30	30		30-40pcs
KDM-35*35	35	35		35-50pcs
KDM-25*40	25	40		20-25pcs
KDM-40*40	40		60-70pcs	
KDM-60*40	60		100-115pcs	
KDM-80*40	80		120-135pcs	
KDM-25*50	25	50		20-25pcs
KDM-35*50	35		40-60pcs	
KDM-40*50	40		45-75pcs	
KDM-50*50	50		80-90pcs	
KDM-60*50	60		100-120pcs	
KDM-80*50	80		160-180pcs	
KDM-25*60	25	60		40-45pcs
KDM-30*60	30		50-60pcs	
KDM-40*60	40		100-115pcs	
KDM-50*60	50		100-120pcs	
KDM-60*60	60		120-135pcs	
KDM-80*60	80		180-210pcs	
KDM-25*65	25	65	无	40-65pcs
KDM-33*65	33		60-75pcs	
KDM-45*65	45		110-120pcs	
KDM-65*65	65		180-200pcs	
KDM-25*80	25	80	2M/piece	100-120pcs
KDM-30*80	30		105-125pcs	
KDM-35*80	35		110-130pcs	
KDM-40*80	40		140-160pcs	
KDM-50*80	50		160-180pcs	
KDM-60*80	60		180-210pcs	
KDM-80*80	80		240-290pcs	
KDM-100*80	100		260-350pcs	
KDM-120*80	120		280-380pcs	
KDM-25*100	25	100		120-150pcs
KDM-33*100	33		130-165pcs	
KDM-40*100	40		130-175pcs	
KDM-50*100	50		220-250pcs	
KDM-60*100	60		140-290pcs	
KDM-80*100	80		260-350pcs	
KDM-100*100	100		330-400pcs	
KDM-120*100	120		380-480pcs	



Resistant tread pattern

## Sealed Insulated Wiring Duct



### PRODUCT INTRODUCTION

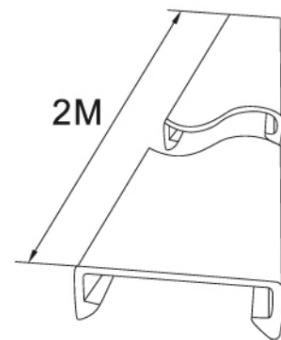
**Product Material:** UL qualified nylon raw material, made of fire-resistant 94V-2, with an additional 94V0 flame-retardant type.

**Product Features:** There are connection points on both sides of the trunking that can be extended and fixed with double-sided tape or screws.

Unit:mm

Specifications	Width (mm)	Height (mm)	Length (mm)
FD-20	20	15	50
FD-30	29	25	
FD-40	38	35	

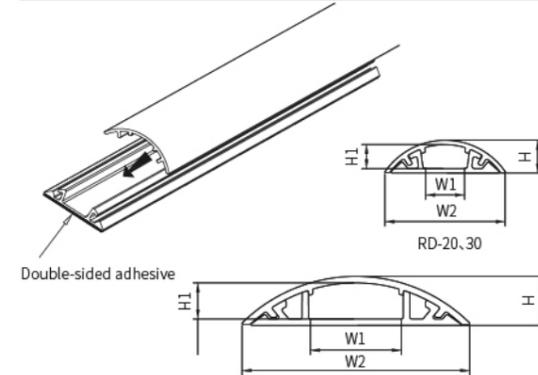
## Insulation Wiring Duct Cover



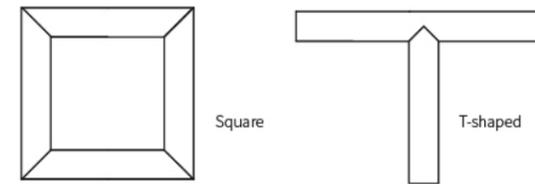
Insulation wiring duct cover		
Model	Width	Length
W-25	25	2M
W-30	30	
W-33	33	
W-35	35	
W-40	40	
W-45	45	
W-50	50	2M
W-60	60	
W-65	65	
W-80	80	
W-100	100	
W-120	120	

## Circular Floor Wiring Duct

### DIMENSIONAL DRAWING



RD-40, 50, 60, 70, 80, 90, 120  
Suitable for floor and wall wiring in offices, schools, supermarkets, factory production lines, building decorations, etc. It will not break even when persons with high heeled shoes step on, or cars go over.



### PRODUCT INTRODUCTION

**Product Material:** Made of hard PVC material, environmentally friendly and pollution-free, free from toxic substances such as lead.  
**Product Certification:** European CE, RoHS.

**Fire Rating:** UL94V-0, low smoke and low halogen, good self-extinguishing performance, and excellent insulation.

**Product Structure:** Composed of groove bottom and groove cover, with double-sided adhesive attached to the groove bottom.

**Color Types:** gray, beige, white, black.

**Working Temperature:** -20°C-65°C

**Usage:** After wiping the floor clean, tear off the double-sided adhesive tape on the bottom groove, stick it to fix it on the floor, then install the wires and cover the groove cover.

**Product Features:**

1. The circular groove cover has a design that is aesthetically pleasing and resistant to heavy pressure, making it less likely to trip people and easier for transport vehicles to pass through;
2. The wiring groove is not easily broken, deformed, discolored, and easy to assemble within 85°C;
3. Easy to assemble and disassemble for easy wiring;
4. Sealed without outlet holes, dust-proof and rodent proof, suitable for use in construction and factory construction of wires or exposed wires.

**Length Description:** The default shipment is 1M. If you need 2M, please specify when ordering. Customizing other colors has a minimum order requirement.

Unit:mm

Model				Outer Width	Inner Width	Height	Internal Height	Length
Grey	Beige	White	Black					
RD-20	RD-20Y	RD-20W	RD-20B	20	8	6	4	1M Including groove bottom and groove cover
RD-30	RD-30Y	RD-30W	RD-30B	30	11	8	6.5	
RD-40	RD-40Y	RD-40W	RD-40B	40	12	11	8	
RD-50	RD-50Y	RD-50W	RD-50B	50	20	12.5	8.8	
RD-70	RD-70Y	RD-70W	RD-70B	70	20	16.5	12.7	
RD-80	RD-80Y	RD-80W	RD-80B	80	20	16.5	12.7	
RD-90	RD-90Y	RD-90W	RD-90B	90	25	19	15	
RD-120	RD-120Y	RD-120W	RD-120B	120	30	25	21	