

# KOYO

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昆山通祐电梯有限公司  
KOYO Elevator Co., Ltd.

自动扶梯、自动人行道

**Escalator &  
Passenger Conveyor**



[www.koyochn.com](http://www.koyochn.com)

**KOYO**

# 通祐 电梯

## KOYO Elevator

### 公司简介 *company profile*

通祐电梯是一个在电梯制造业中有着20年经验的专业的生产厂家。是一个主要从事生产自动扶梯、乘客电梯、自动人行道和零配件的企业。公司采用德国先进的生产技术和严谨的管理程序，严格执行欧洲 EN115、EN811 标准和中国的 GB16899-1997 和 GB7588-2003 标准来生产制造。因此亿明电梯在公司成立不久即得到了 TUV、CE 和 ISO9001 的认证。

通祐的各类产品已出口到 35 个国家以上，例如：德国、法国、美国、印尼、约旦、意大利、阿联酋、马来西亚、孟加拉国、葡萄牙等国。亿明公司承建了许多著名的工程，例如：德国的科隆地铁站、意大利米兰的国际民用飞机场、法国巴黎的地铁站等，赢得了很高的声誉。

KOYO Elevator is a professional manufacturer with 20 years experience in manufacturing Elevator, Escalator, Passenger Conveyer and Spare Parts. It adopts the German advanced technology and administrative system, and strictly implements the European EN115, EN81 Standard and Chinese standard GB 16899-1997 & GB 7588-2003, so Yimin attained TUV, CE and ISO 9001 certification shortly after its establishment.

KOYO's products have been exported to more than 35 countries, such as German, France, United States, Indonesia, Jordan, Italy, U.A.E., Malaysia, Bangladesh, Portugal etc. YMIN has finished many famous projects such as Koln Subway Station in Germany, Milan International Airport in Italy and Paris Subway Station in France with good reputation.



# 旭日东升 *Progress as Rising Sun*

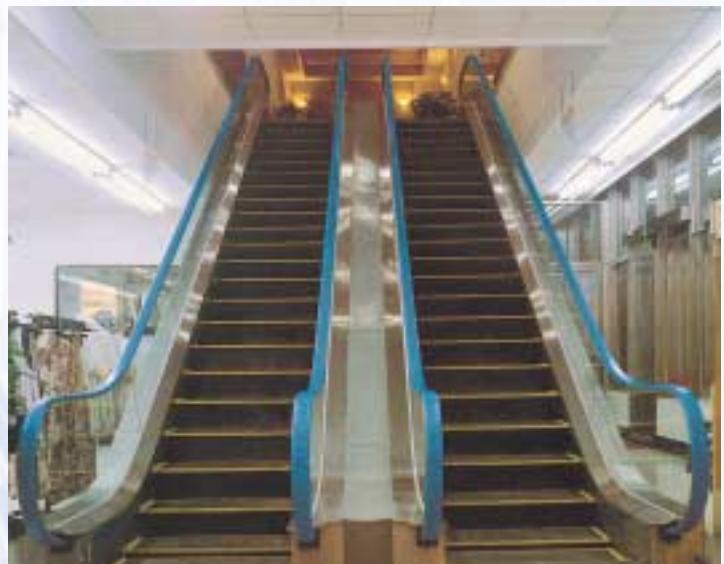
新的起点，新的希望，在市场的浪潮中迎接新的曙光。

*With new start and new hope, we meet first light of new era in the tide of market.*



KY21 系列自动扶梯 KYC (普通型)、KYS (苗条型)、KYH (公共交通型)、采用当代最先进的控制技术，功能齐全、稳定可靠、维修方便。幽雅流畅的外型，适合不同的建筑风格。

KY21 series escalators: KYC(commercial type), KYS(slim-line type), KYH(heavy-duty type) utilize the most advanced control technology and have the perfect function and reliable stabilization. They are convenient for maintenance and the graceful and easy figure can be applicable to various structure styles.



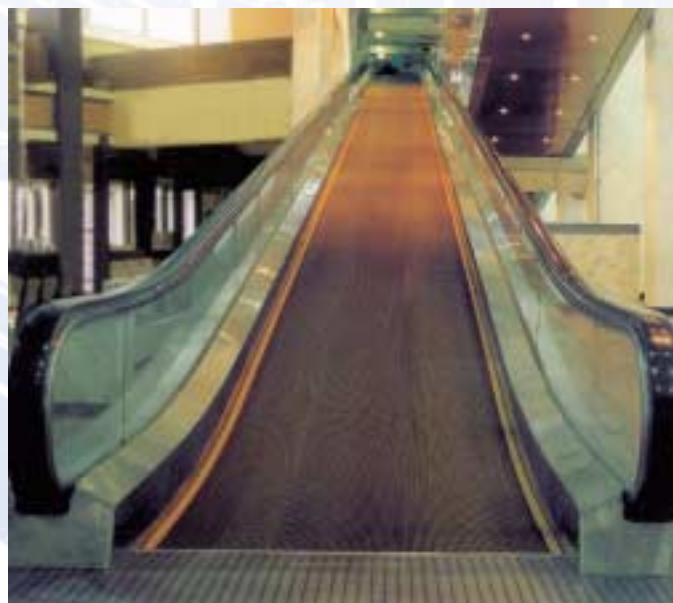
自动扶梯  
Escalator

KOYO



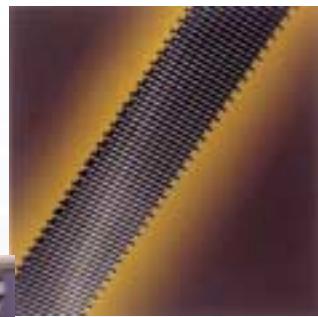
KY21 系列自动人行道 KYPH (水平型)、KYPI (倾斜型)、KYPD (紧凑型)、采用当代最先进的控制技术，功能齐全、稳定可靠、维修方便。让您充分享受代替步行购物的惬意感。

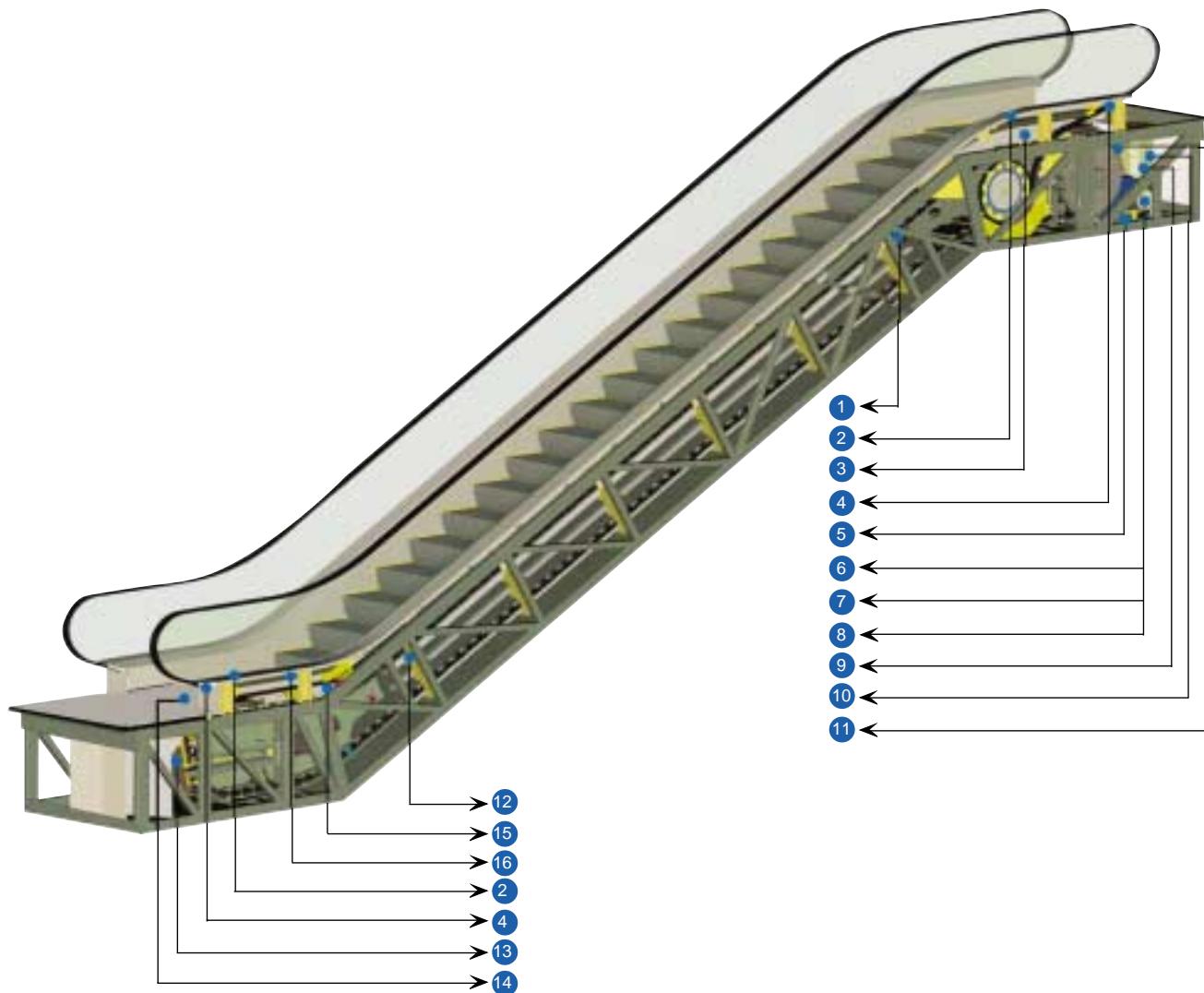
KY21 series passenger conveyors: KYHP (horizontal type), KYIP (inclined type) and KYCP (compact type) utilize the most advanced control technology and have the perfect function and reliable stabilization. They are convenient for maintenance. Standing on them make you enjoy shopping, traveling, etc.



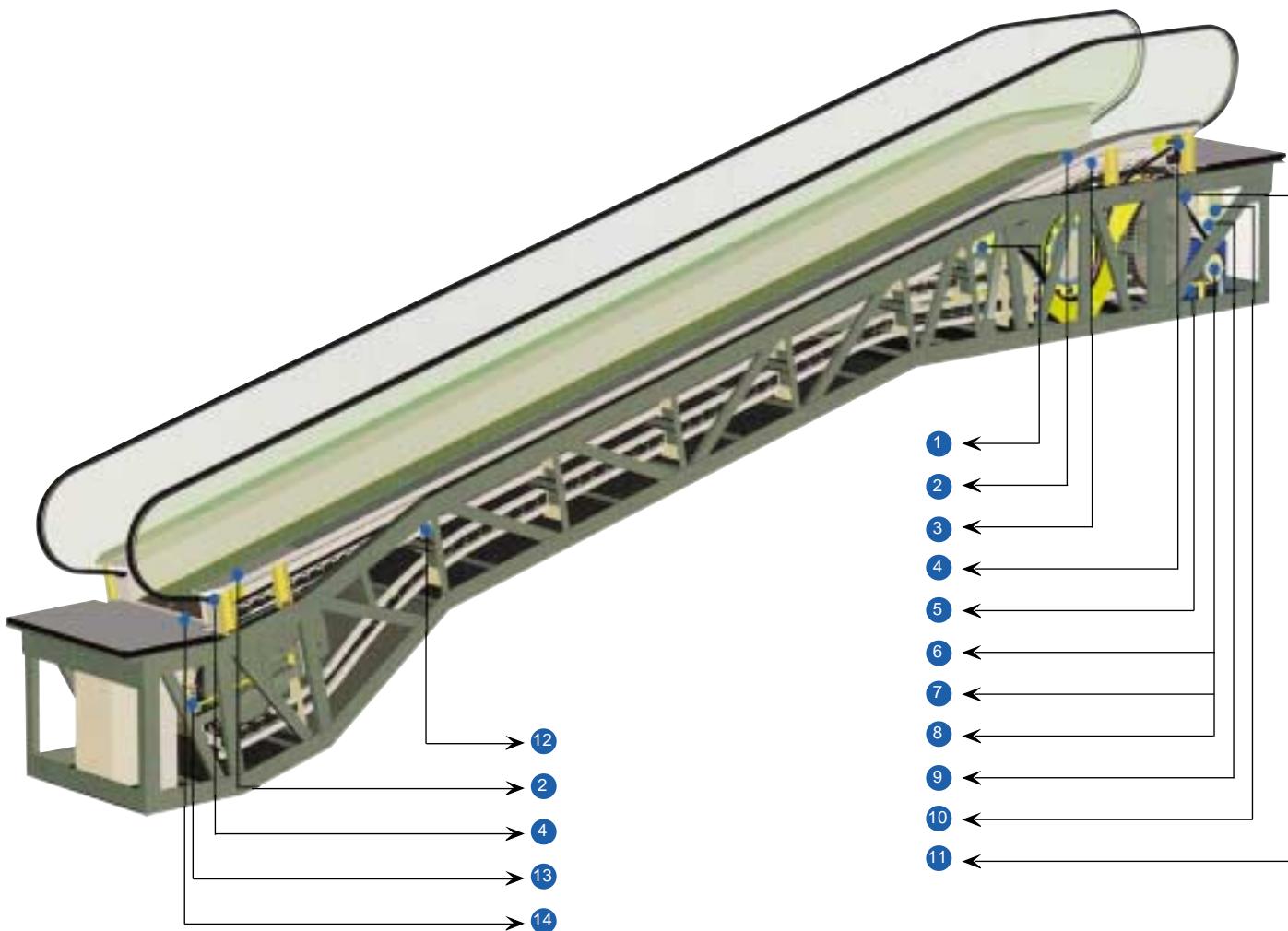
自动人行道  
Passenger Conveyor

KOYO





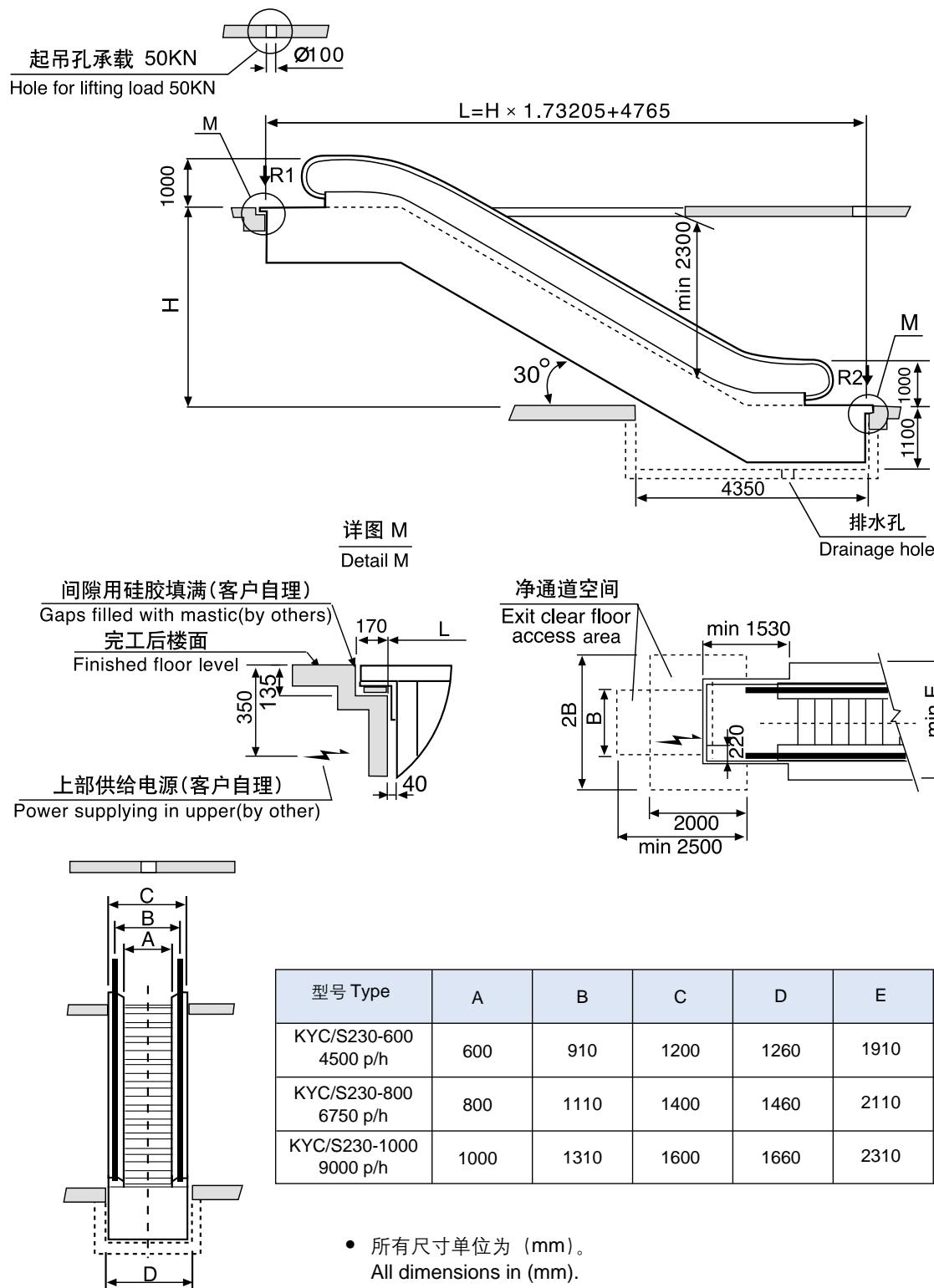
序号	安全功能	说明
1	静电刷	消除梯级(踏板)在运行时的静电。
2	急停按钮	当需要紧急停车时,按下急停开关起保护。
3	围裙保护	当异物夹入踏板与围裙之间起保护。
4	扶手入口保护	当扶手入口有异物夹住时起保护。
5	驱动链断链保护	当驱动链断或过长时起保护。
6	超速保护	当速度超过额定速度时起作用。
7	欠速保护	当速度低于额定速度时起作用。
8	返逆转保护	当扶梯和扶手带的运行方向和指定方向相反时起保护。
9	缺相保护	当动力电源缺相或错相时起保护。
10	短路保护	当电力回路短路时起保护。
11	马达过载保护	当电动机电流大于额定电流的120%时。
12	梯级(踏板)下陷保护	当梯级(踏板)损坏而下陷时起保护。
13	梯级(踏板)断链保护	当梯级链(踏板链)断裂或过长时起保护。
14	梳齿安全保护	当异物夹入梳齿时起保护。
15	梯级间隙照明	照明扶梯的顶部和底部。
16	故障自诊断	能够自动诊断错误,有记忆功能便于维修,提高工作效率。
17	错误诊断	在控制台LCD屏上显示错误储存,并对其进行分析。
18	BES节能系统	通过传感主机产生并控制电流、电压,不但节约30-40%的能量,而且提供启动功能,以避免
19	*自启动	能够节省20%的电费,延长自动扶梯的寿命。在无乘客时能够低速运行或处于静止状态,减少摩擦力并节约能量。
20	*自动润滑	自动润滑功能,能够准确、及时、定量的为自动扶梯进行加油进行润滑。
21	*疏齿加热系统	在低温时避免疏结冰。
22	*桁架加热系统	在低温时避免梯级结冰。
23	*自动加油系统	在所有的链条上提供自动加油。
24	*围裙刷	避免杂物进入缝隙。



No.	Safety Function	Description
1	Static contact:	Eliminates static electricity created from running of the steps(pallets).
2	Emergency stop button:	Push the emergency stop button to stop the escalator/passenger conveyor rapidly.
3	Skirting contacts:	The contacts will be actuated by resultant pressure on the skirting panel and the escalator should be stopped to avoid the risk caused by the foreign bodies between the step and the skirting panel.
4	Handrail entry guard:	Protect against the risk of foreign bodies being jammed into handrail entry.
5	Main drive-chain contact:	Protect against the risk of drive chains breaking or elongation.
6	Over speed monitor:	Protect against the risk of the escalator being over speed.
7	Under speed monitor:	Protect against the risk of the escalator being under speed.
8	Reversal prevent :	Protect against the reversal of the direction of travel.
9	Phase monitor:	Protect against the risk of phase failure.
10	Short circuit contact:	Protect against the risk of short circuit.
11	Motor over load and overheat contact:	Act when the motor current is over 120%..
12	Step(pallet)sagging contact:	Protect against the risk of steps breaking and sagging.
13	Broken step-chain (pallet-chain) contact:	Protect against the risk of step-chains breaking or undue elongation.
14	Comb contact:	Protect against the risk of foreign bodies being trapped at the point where the step enters the comb.
15	Step gap lighting:	To show the top and bottom of the escalator.
16	Fault display:	Can diagnose fault automatically, has the function of memory for maintenance personnel, to improve work efficiency.
17	*Fault Diagnosis:	Call up the faults memories on LCD screen of console and make the analysis of the faults possible.
18	*BES Energy Saving System:	By sensing motor load and controlling current & voltage, it not only can save 30%-40% energy, but also provides with soft start function, to avoid the mechanical & electrical wear.
19	*Auto-start by photocell sensors:	With the use of photocell sensors and directional indicators the escalator would be switched On and Off automatically.
20	*Auto-start by contact mats:	With the use of contact mats and directional indicators, the escalator would be switched On and Off automatically.
21	*Comb Heating System:	Heating system is used to avoid comb freezing due to the low temperature.
22	*Truss Heating System:	It is used to avoid the service steps freezing due to the low temperature.
23	*Automatic Lubrication System:	The system is used to provide adequate lubrication for all chains automatically.
24	*Skirting Brush:	It is used to avoid of possible risk caused by the gap.

## 土建示意图

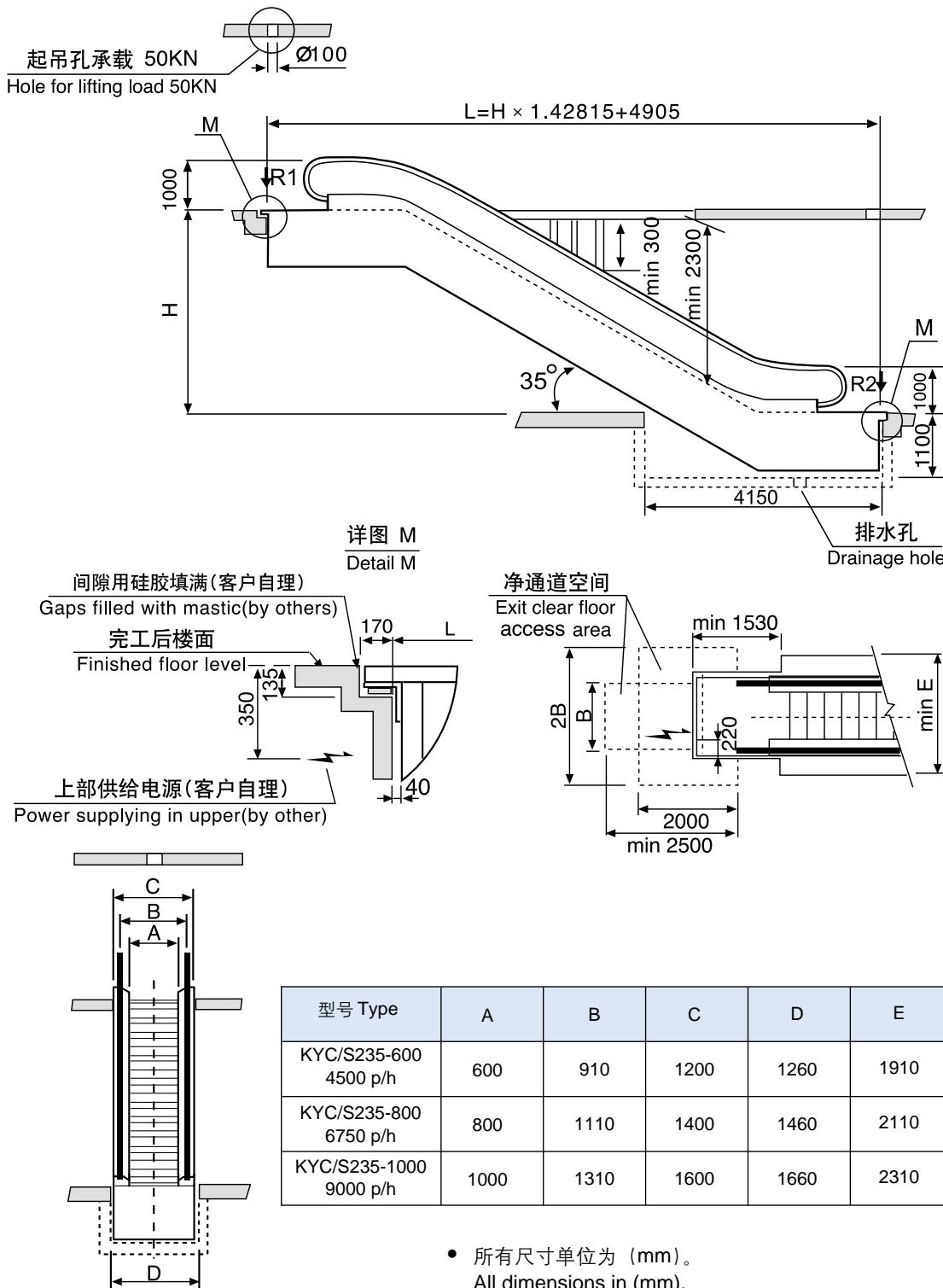
## Commercial / Slimline Escalator Layout Drawing



- 所有尺寸单位为 (mm)。  
All dimensions in (mm).
- 当梯级宽度 A=600mm, 桁架必须长 443mm。  
When the width of step A=600mm, the truss must be extended by 433mm.
- 如果增加水平梯级, 必须相应加长水平长度。  
If add horizontal step, it must add the horizontal length correspondingly.

## 土建示意图

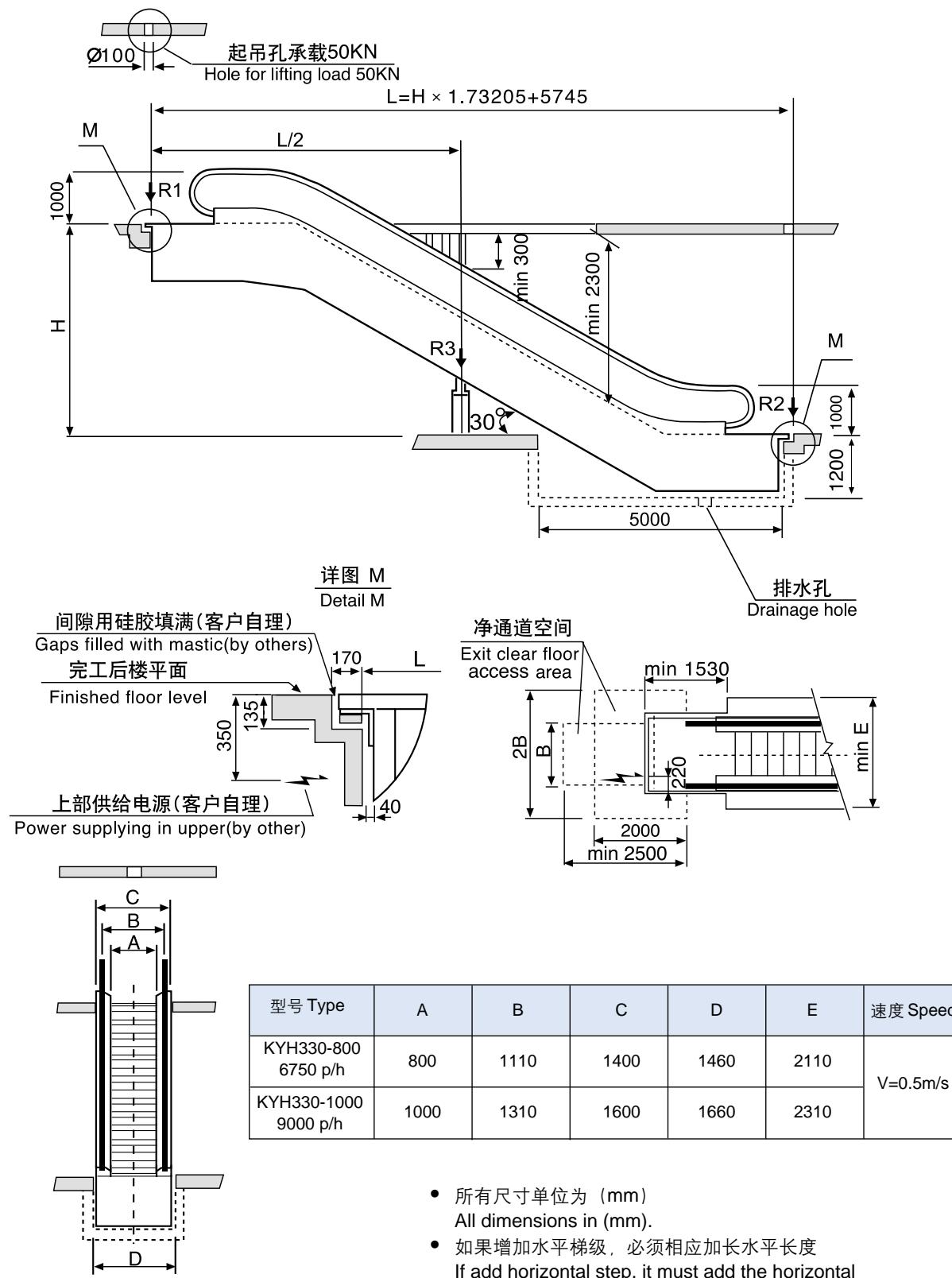
## Commercial / Slimline Escalator Layout Drawing



- 所有尺寸单位为 (mm)。  
All dimensions in (mm).
- 当梯级宽度 A=600mm, 桁架必须长 443mm。  
When the width of step A=600mm, the truss must be extended by 433mm.
- 如果增加水平梯级, 必须相应加长水平长度。  
If add horizontal step, it must add the horizontal length correspondingly.

## 土建示意图

## Heavy Duty Escalator Layout Drawing

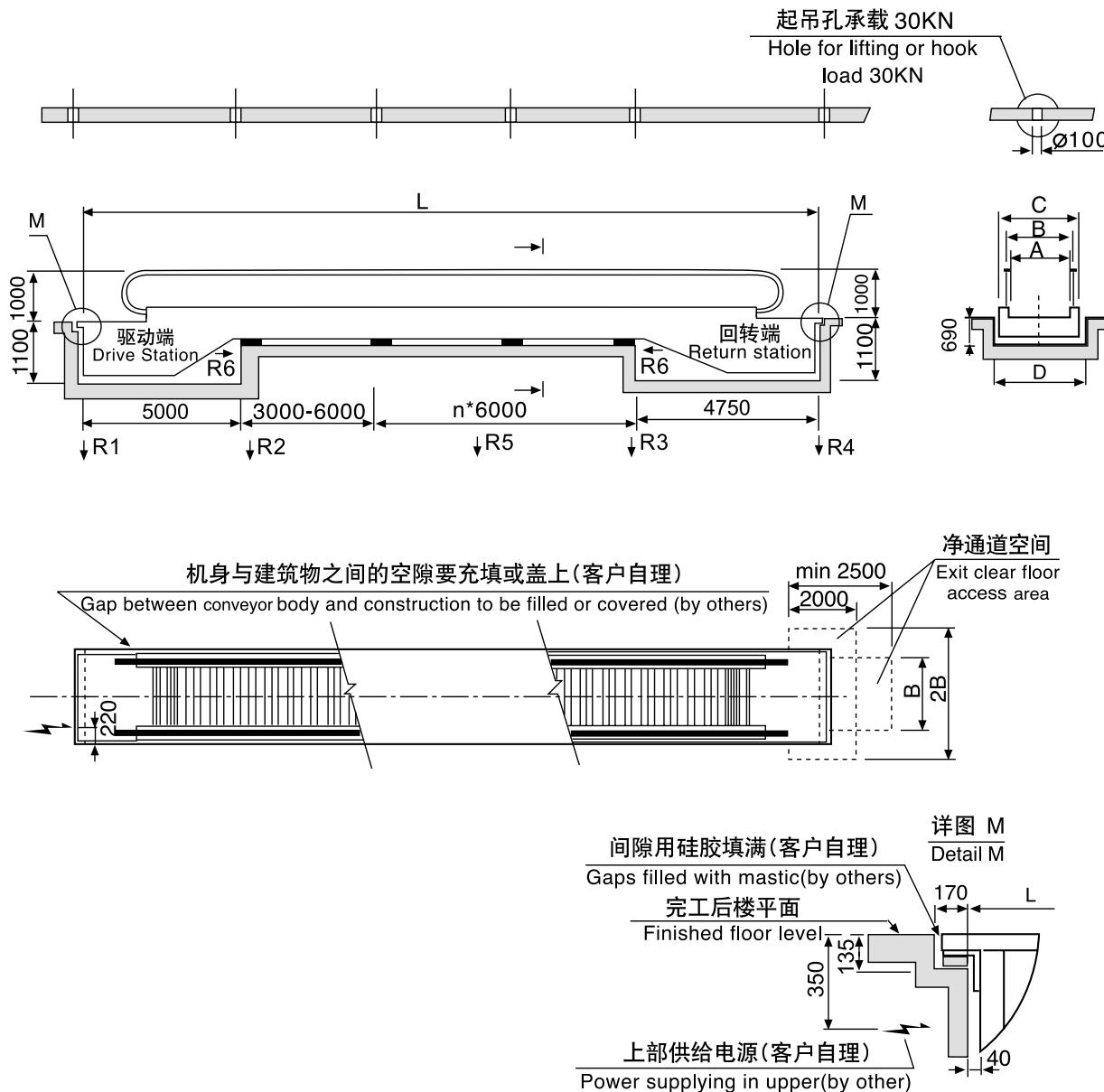


KYPH 0°~6°

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## 土建示意图

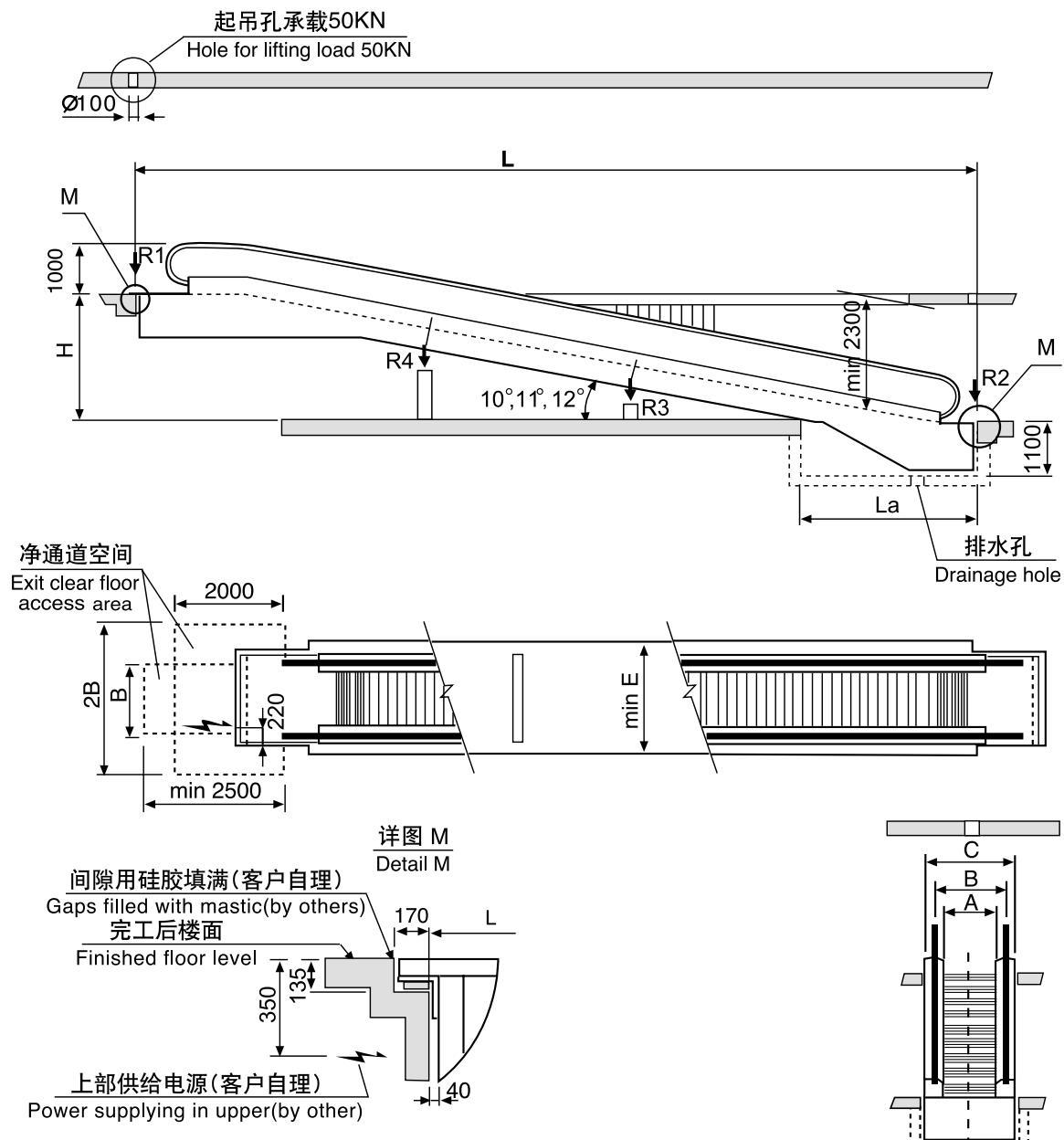
### Horizontal Passenger-Conveyor Layout Drawing



- 所有尺寸单位为 (mm)。
- All dimensions in (mm).

## 土建示意图

## Inclined Passenger-Conveyor Layout Drawing



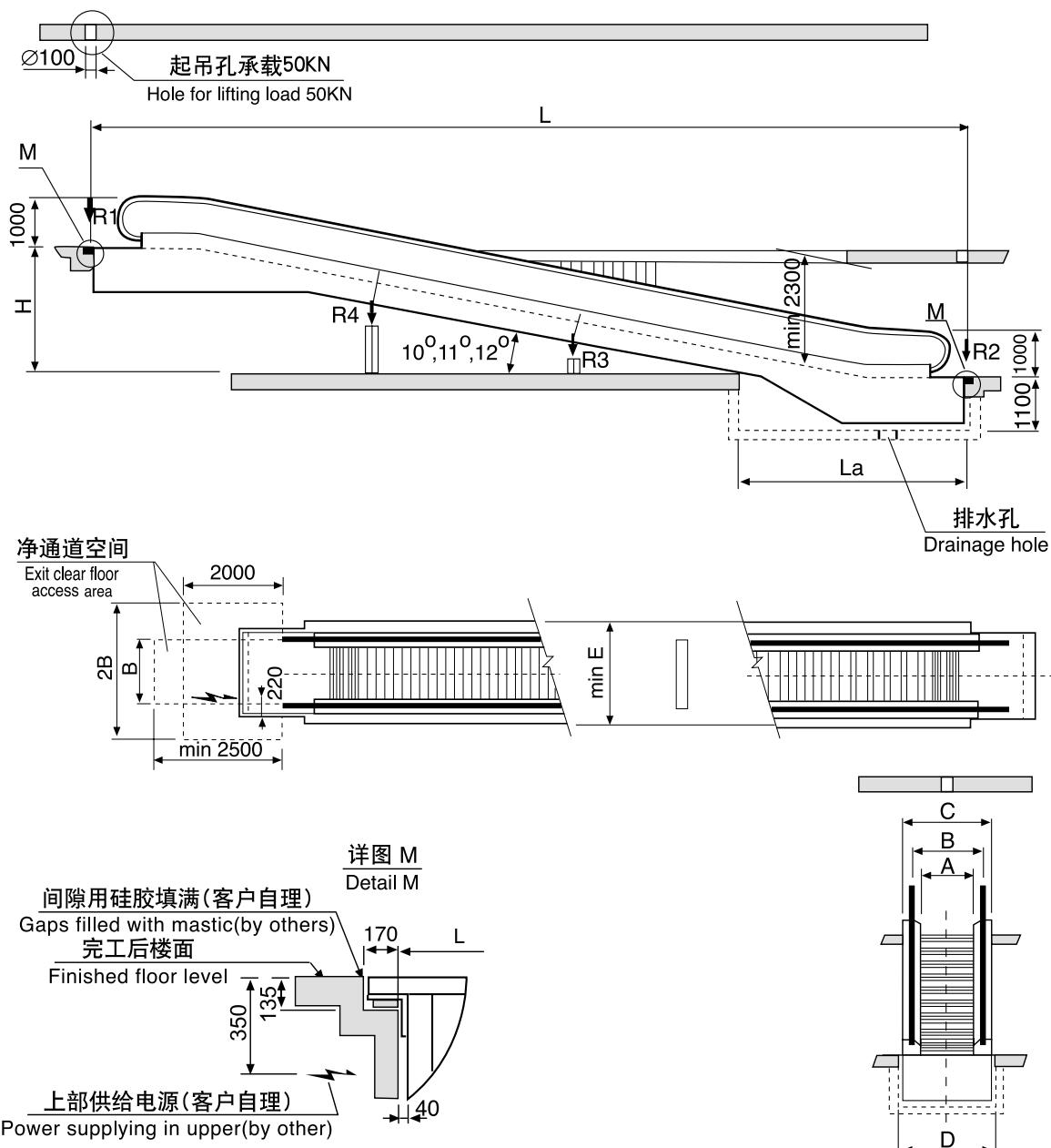
型号 Type	A	B	C	D	E	K1	K2	速度 Speed
KYPI-800	800	1110	1400	1460	2110	15000	30000	V=0.5m/s
KYPI-1000	1000	1310	1600	1660	2310	15000	30000	

角度 Incline	10	11	12
L	Hx5.6713+2646	Hx5.1446+2550	Hx4.7046+2470
La	4650	4350	4050

- 所有尺寸单位为 (mm)。  
All dimensions in (mm).
- 当 L>K1, 需 1 个中间支撑。  
当 L>K2, 需 2 个中间支撑。  
As L>K1, one intermediate support is needed;  
As L>K2, two intermediate support is needed.

## 土建示意图

## Commercial Passenger-Conveyor Layout Drawing



型号 Type	A	B	C	D	E	K1	K2	速度 Speed
KYCP-800	800	1110	1400	1460	2110	15000	30000	V=0.5m/s
KYCP-1000	1000	1310	1600	1660	2310	15000	30000	

角度 Incline	10	11	12
L	Hx5.6713+3855	Hx5.1446+3703	Hx4.7046+3577
La	5850	5550	5300

- 所有尺寸单位为 (mm)。
- All dimensions in (mm).
- 当 L>K1, 需 1 个中间支撑。  
当 L>K2, 需 2 个中间支撑。  
As L>K1, one intermediate support is needed;  
As L>K2, two intermediate support is needed.