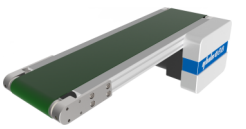
Economy Type
End Drive, 2-Groove Frame (Pulley Dia. 30mm)

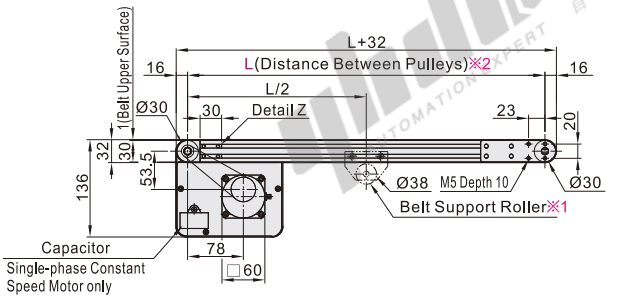
Flat Belt Conveyors

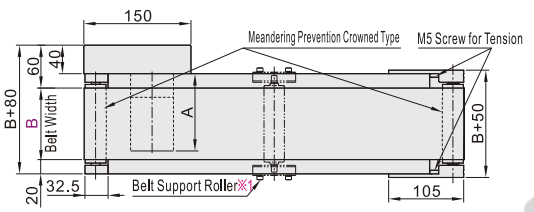
Code	Type	Material			Surface Treatment		
		Frame	Motor Cover	Pulley Holder	Frame	Motor Cover	Pulley Holder
KPA01	Non-anti-deviation Guide	Aluminum			Anodize	Paint	



Features:The structure research and development is reasonable, this product price is relatively economical.

6W Motor Type





If reverse transmission or forward and reverse transmission is required,please be sure to remark that,if not specified,our company will debug according to the standard direction.

Direction of Conveyance

※1 When L≥2005, a belt support roller is mounted in the diagram location.

※2 When L≤1000,each slot has four (4) nuts inserted. When L>1000 each slot has six (6) nuts inserted.When counterbores for inserting nuts are required, please Select from optional processing.

M5 frame slot can be used for: rear-mounted locking nut AHL22-206-M3 /M4/M5.

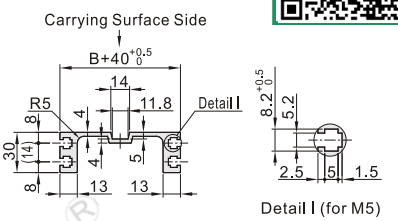
The dimensions in the diagram are for Belt Specifications H (1mm thick.). Take note that belt thickness varies by Belt Specifications.

The "Detail Z" of the frame is used for pulley holder mounting. The nuts cannot be moved to this area.

Scan the code to watch the video

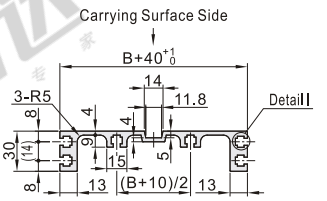
Frame Cross Section - Enlarged

When B=50



Detail I (for M5)

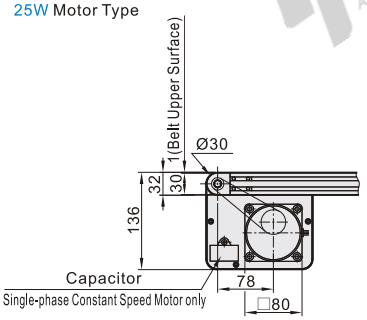
When B=100~250

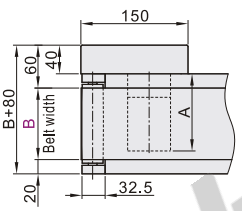


When B = 50, there is no downward slot.

Compatible with GB/T 6170 standard hex nuts.

25W Motor Type



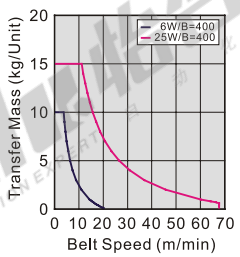


The first perspective

Motor Specifications

Output Power	Motor Specification	Manufacturer	Reduction Ratio	A
6W	Variable Speed Motor	Domestic	5~18	130
			20~180	
		Panasonic	5~18	111
			20~180	118
25W	Three-Phase Motor	Domestic	5~18	131
			20~180	
	Variable Speed Motor		5~18	141
			20~180	
	Three-Phase Motor	Panasonic	5~180	115
	Variable Speed Motor			125

Conveying Capacity(Reference Value)



The chart shows the conveying capacity under horizontal conditions.

When a speed-adjustable motor is selected,the conveying capacity does not increase due to the speed reduction during use.

In the case of cumulative conveying (only applicable to belts for sliding use),the conveying capacity is 1/2 of the above data.

Gearhead Reduction Ratio

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
7.5	31.5	37.6
9	26	31.4
12.5	18.8	22.6
15	15.7	18.8
18	13	15.7
25	9.4	11.3
30	7.8	9.4
36	6.5	7.8
50	4.7	5.6
60	3.9	4.7
75	3	3.7
90	2.6	3.6
100	2.3	2.8
120	1.9	2.3
150	1.5	1.8
180	1.3	1.5

May decrease depending on load condition.

This conveying speed table refers to domestic motors (1250 rpm).

The adjustment scale should not be lower than 60 for long-term use.If the adjustment scale is too low,the motor torque will decrease and the motor will be easily overloaded. Meanwhile,if the motor speed is lowered, the kinetic energy of the motor will be converted into heat energy,which will cause the motor to overheat.(The conveying capacity comparison table refers to the conveying capacity with a scale of 100).

Flat Belt Conveyors

Economy Type

End Drive, 2-Groove Frame (Pulley Dia. 30mm)

Part Number Code	Part Number B	L 5 mm Inc.	Motor: Output Power(W)	Motor: Voltage(V)	Motor: Specification	Gearhead Reduction Ratio	Belt Specification	Motor Manufacturer Selection
KPA01	50 100 150 200 250	300~3000	6 25	TA220 (Single-Phase)	SCM (Variable Speed Motor)	7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180 ! 7.5、9 not applicable for 6W Motor	L(Economy Type:Yellow, PVC) M(Economy Type:Black Anti-static, PU) K(Economy Type:Dark Green, PVC) A(General Purpose, Green) B(General Purpose, White) C(For Sliding, Green) D(For Sliding, White) E(Static Conductive, Black) F(Food Grade, White) P(Oil Resistant, Green) H(Non-Stick Food Grade, White) J(No Belt)	T(Domestic Brands) S(Panasonic Motor) ! Panasonic Motor is discontinued, Delivery time is unstable.
			25	SA200 (Three-Phase)	INV (Inverter)			
			6 25	NV (No Motor)	NM (No Motor)	NH(No Gearhead)		W (No Motor, Gearhead)

! When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating.

! When "No motor, gearhead" is selected, this unit will be delivered unassembled.

Please order as shown

Part Number Code	Part Number B	L 5 mm Inc.	Motor: Output Power(W)	Motor: Voltage(V)	Motor: Specification	Gearhead Reduction Ratio	Belt Specification	Motor Manufacturer Selection
KPA01	50 100	300~3000	6 25	TA220	SCM	7.5 9 12.5 15	A(General Purpose, Green) B(General Purpose, White) C(For Sliding, Green)	T(Domestic Brands) S(Panasonic Motor)
			25	SA200	INV			

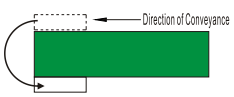
KPA01—B50—L500—25—TA220—SCM—7.5—A—T

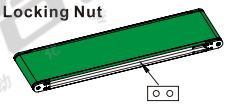
Optional processing

Part Number Code	Part Number B	L 5 mm Inc.	Motor: Output Power(W)	Motor: Voltage(V)	Motor: Specification	Gearhead Reduction Ratio	Belt Specification	Motor Manufacturer Selection	Optional Processing Code
KPA01	50 100	300~3000	6 25	TA220	SCM	7.5 9 12.5 15	A(General Purpose, Green) B(General Purpose, White) C(For Sliding, Green)	T(Domestic Brands) S(Panasonic Motor)	MA MB( )
			25	SA200	INV				

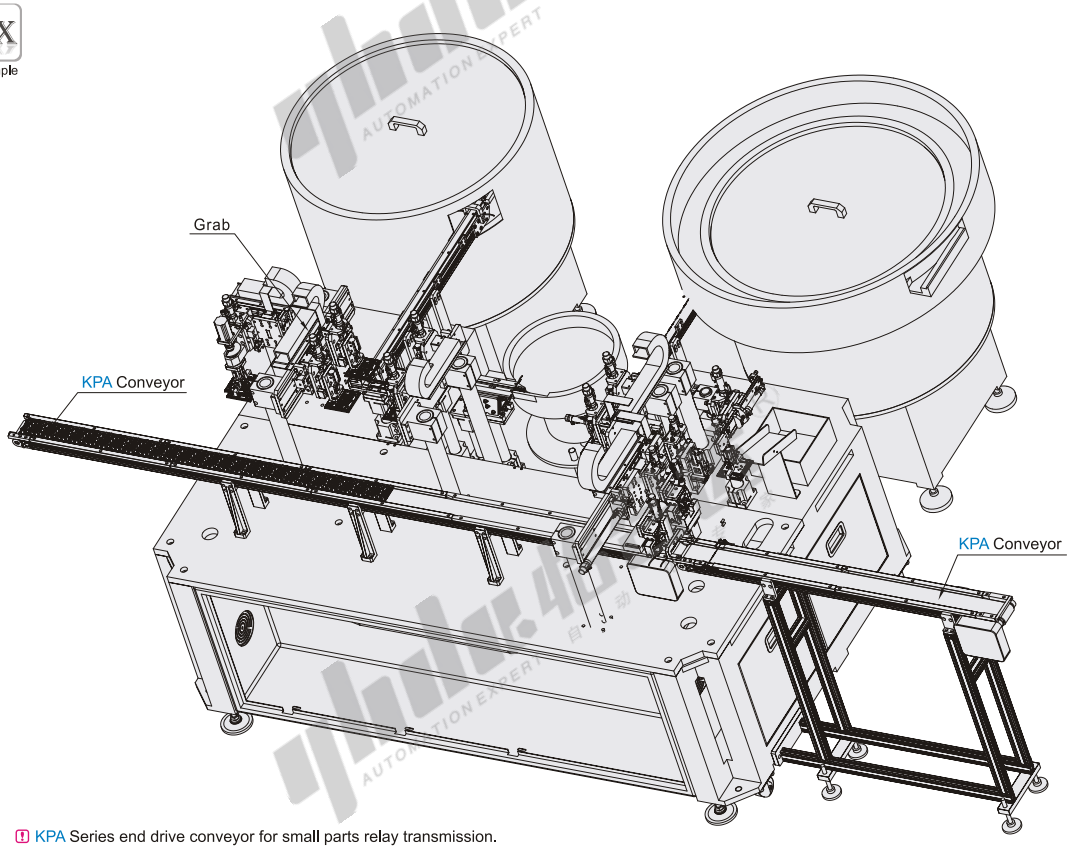
KPA01—B50—L500—25—TA220—SCM—7.5—A—T—MA

Optional processing

Code	MA
Spec.	**Motor Position Reverse Installation** 
	Ordering Code MA

Code	MB( )
Spec.	**Attached Rear-mounted Locking Nut** 
	Ordering Code MB3 ! Please specify the number of Attached Rear-mounted Locking Nut.For example,MB3 represents 3 nuts per slot.

Example



! KPA Series end drive conveyor for small parts relay transmission.