

Flat Belt Conveyor ▶ Economy Type

Intermediate Drive Double-Groove Profile (Pulley Diameter 30mm)



Please order according to the diagram

①~④ Select the type and parameters in the order of for ordering.

① Model

Code B

RICPP-B50

② L (Minimum Unit 5)

390~3000

L1100

③ Motor Selection

Output Power (W) | Voltage (V) | Specifications | Gear Head Ratio | Belt Specification

25 - TA220 - SCM - 7.5 - A

④ Motor Brand Selection

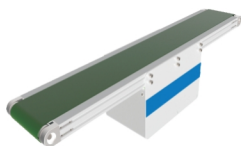
T: Taiwanese Brand/S: Panasonic Motor

T

Optional Processing

MC() MB()

MC500

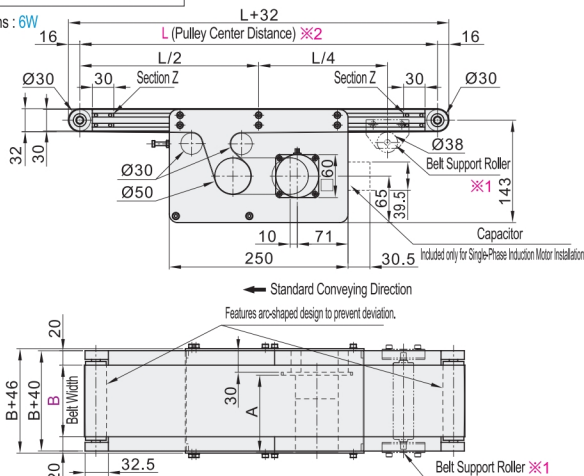


CAD 2D

Code	Type	Material				Surface Treatment			
		Profile	Motor Bearing Cover 1	Motor Bearing Cover 2	Pulley Mounting Bracket	Profile	Motor Bearing Cover 1	Motor Bearing Cover 2	Pulley Mounting Bracket
RICPP	Non-Deviation Guide Type	Aluminum	SPCC	Aluminum	Anodized Finish	Painting			

① Specialties: Rational structural design leads to a cost-effective product; Additionally, it features an intermediate drive type that allows for adjustment of the drive unit position.

Motor Specifications : 6W



※1 When L ≥ 2000, support rollers are included here.

※2 When L ≤ 1000, 4 nuts are pre-installed in each groove. When L > 1000, 6 nuts are pre-installed in each groove. If more nuts need to be pre-embedded, please specify via additional options.

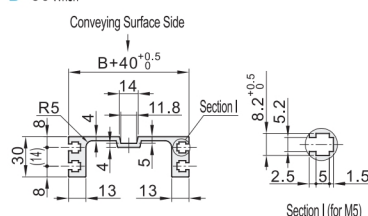
① The dimensions shown in the diagram are for belt specification A (thickness 1mm).

Please note that belt thickness varies depending on the belt specification.

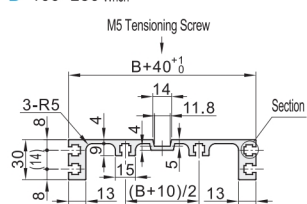
① Due to the installation of the pulley fixing seat, aluminum alloy profile slot Z is used. Nuts cannot be moved within this range.

Profile Cross-Section Enlarged View

B=50 When



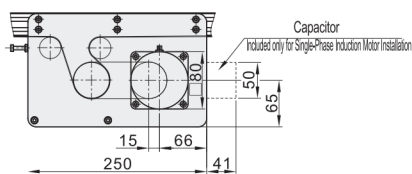
B=100~250 When



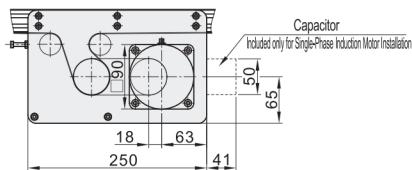
① When B=50, downward-facing slots are not included.

① Hex nuts conforming to GB/T6170 can be used.

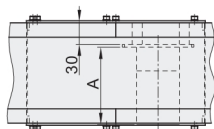
Motor Specifications : 25W



Motor Specifications : 40W, 60W, 90W



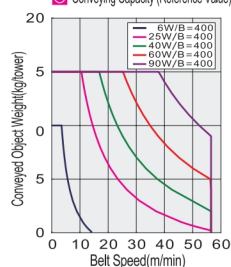
Motor Specifications : 25W, 40W, 60W, 90W



① A Dimension Table

Output Power (W)	Motor Type		Reduction Ratio	A
	Specifications	Manufacturer		
6W	Speed-Controlled Motor	Taiwan	5~18	117
		Panasonic	20~180	127
	Three-phase motor	Taiwan	5~18	111
		Panasonic	20~180	118
25W	Speed-Controlled Motor	Taiwan	5~18	117
		Panasonic	20~180	128.5
	Three-phase motor	Taiwan	5~18	128
		Panasonic	20~180	138.5
40W	Speed-Controlled Motor	Taiwan	5~18	115
		Panasonic	20~180	125
	Three-phase motor	Taiwan	5~18	147
		Panasonic	20~180	165
60W	Speed-Controlled Motor	Taiwan	5~18	157
		Panasonic	20~180	175
	Three-phase motor	Taiwan	5~18	142
		Panasonic	20~180	152
90W	Speed-Controlled Motor	Taiwan	5~18	168
		Panasonic	20~180	186
	Three-phase motor	Taiwan	5~18	180
		Panasonic	20~180	210
	Speed-Controlled Motor	Taiwan	5~18	210
		Panasonic	20~180	234.5
	Three-phase motor	Taiwan	5~18	195
		Panasonic	20~180	234.5

① Conveying Capacity (Reference Value)



① Gear Head Reduction Ratio

Gear Head Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	39.2	47.1
7.5	26.1	31.4
9	21.8	26.1
12.5	15.7	18.8
15	13	15.7
18	10.9	13
25	7.8	9.4
30	6.5	7.8
36	5.4	6.5
50	3.9	4.7
60	3.2	3.9
75	2.6	3.1
90	2.1	2.6
100	1.9	2.3
120	1.6	1.9
150	1.3	1.5
180	1	1.3

① Conveying capacity may decrease depending on the load conditions.
① Conveyor Speed Table Reference Based on Panasonic Motor (1400 RPM) and Taiwanese Motor (1300 RPM).

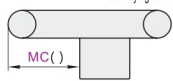
Flat Belt Conveyor

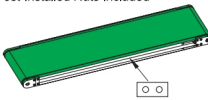
Economy Type
Intermediate Drive Double-Groove Profile (Pulley Diameter 30mm)

Model		L Minimum Unit 5	Motor Selection				Belt Specification	Motor Brand Selection
Code	B		Output Power (W)	Voltage (V)	Specifications	Gear Head Ratio		
RICPP	50 100 150 200 250	390~3000	6 25 40 60 90	TA220 Single-Phase	SCM Speed-Controlled Motor	5 7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	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 (Sliding Application: Green) D (Sliding Application: White) E (Electronic Component Conveying: Black) F (Food Conveying: White) P (Oil Resistant: Green) H (Non-Adhesive: White) J (Bellless)	T (Taiwanese Brand) S (Panasonic Motor)
			25 40 60 90	SA200 Three-phase	INV Inverter	① When the output power is 6, settings 5 to 9 are not applicable.		
			6 25 40 60 90	NV Motorless	NM Motorless	NH Without Gear Head		W Motorless with Gear Head

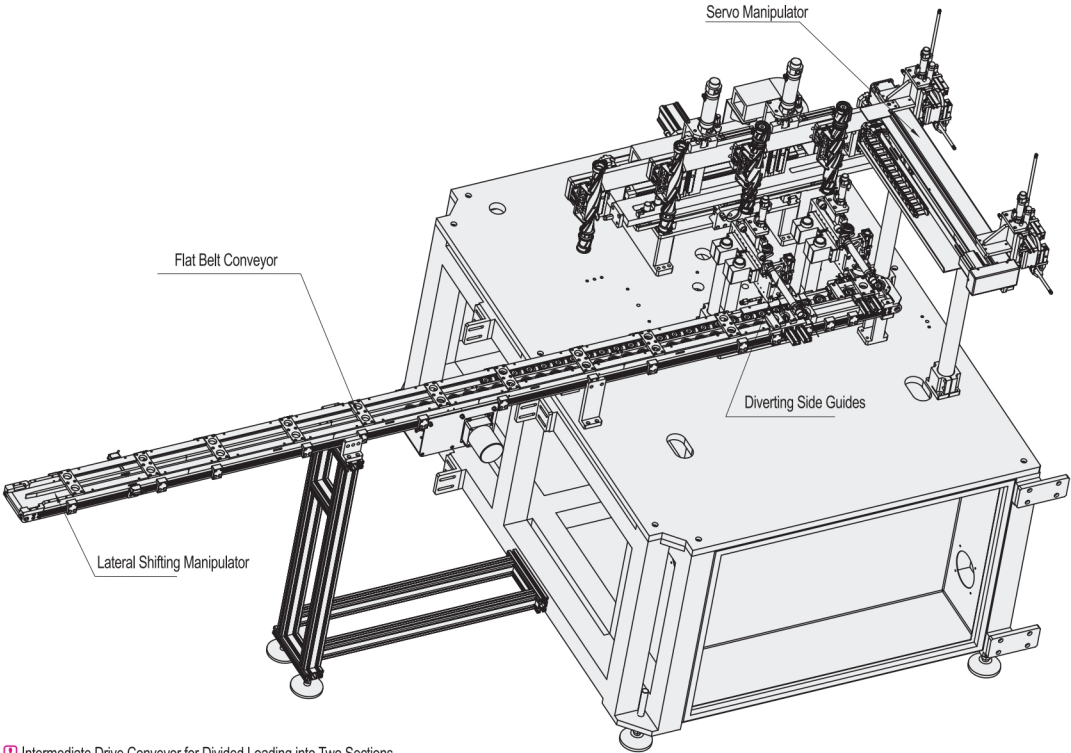
- ① When selecting "Motorless, No Gear Head," the spacing of motor mounting holes will vary depending on the motor output power.
- ① When selecting "Motorless, No Gear Head," the main unit will be delivered in a component state.

Optional
Processing

Code	MC ()	
Technical Specification	Drive Unit Position Specification Conveying Direction 	Selection Method MC500

Code	MB ()	
Technical Specification	Post-Installed Nuts Included 	Selection Method MB3M6 ① Please specify the number of post-installed nuts included. For example: MB3 indicates 3 nuts per groove. M6 indicates the thread size; M6 is the default but M3/M4/M5 are optional.

Example



① Intermediate Drive Conveyor for Divided Loading into Two Sections