



# Miniature Conveyor System

## -Dual Track, Center Drive, 2-Groove Frame (Pulley Dia. 30mm)-

■Features: Since there are two rows of conveyor surfaces, sensors and stoppers can be mounted in between the belts. The Center Drive configuration allows drive section position adjustments. CAD Data Folder Name: 17\_Conveyors

When ordering, select Part Number and Values from Selection Steps ①~⑨.

Ordering Example	① Part Number	② B	③ L	④ Output	⑤ Voltage	⑥ Specification	⑦ Gearhead Reduction Ratio	⑧ Belt Specification	⑨ Motor Manufacturer Selection	
	CVGTN	90	980	6	TA115	IM	15	S	A	
	For No Belt	CVGTN	90	980	6	TA115	SCM	15	J	A
	For No Motor, Gearhead	CVGTN	100	1000	25	NV	NM	NH	S	R



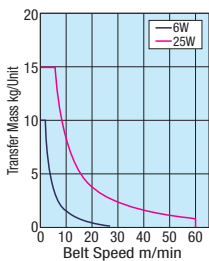
Material	Frame	Motor Cover ①	Motor Cover ②	Pulley Holder
Aluminum	Aluminum	A5052	A5052	Aluminum
Surface Treatment	Clear Anodize	Clear Anodize	Clear Anodize	Aluminum Coating

### Gearhead Reduction Ratio

\*May decrease depending on load condition.

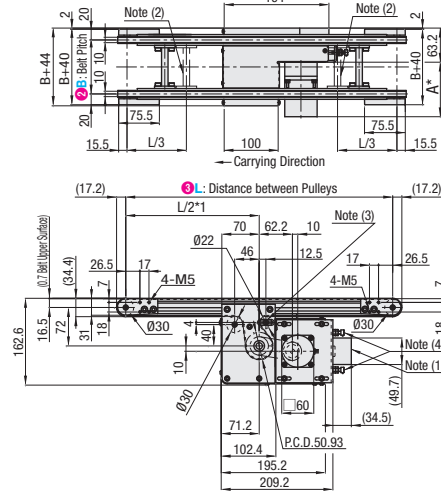
Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	48.0	57.6
7.5	32.0	38.4
9	26.7	32.0
12.5	19.2	23.0
15	16.0	19.2
18	13.3	16.0
25	9.6	11.5
30	8.0	9.6
36	6.7	8.0
50	4.8	5.8
60	4.0	4.8
75	3.2	3.8
90	2.7	3.2
100	2.4	2.9
120	2.0	2.4
150	1.6	1.9
180	1.3	1.6

### Conveying Capacity \*Reference Value

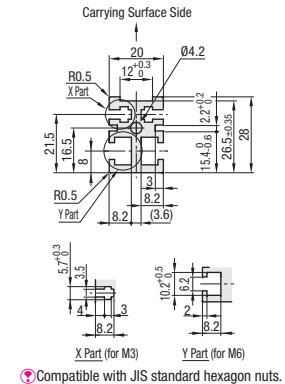


### CVGTN

6W Motor Type

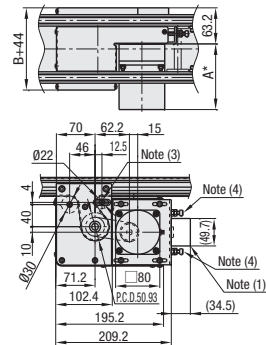


Frame Cross Section and Enlarged View (Symmetrical)



- \*1 The drive section can be moved to a desired position within the aluminum extrusion slots.
- \*2 For L<365, each slot has 4 pre-inserted nuts provided. When counterbore holes for nut insertion are needed, specify by an Alteration.

25W Motor Type



- Note (1) Capacitor Attached for Single-Phase Induction Motor Only
- (2) When 2005<L<3000, Joints mounted at these locations (2 Places)
- (3) M5 Tensioning Screw
- (4) M6 Tensioning Screw

\*Timing Belt is T5 Type cloth lined on both sides (P.865 LTBRA-T5100-). See the product pages for details.

### \*A Dimension Details

Output (W)	Motor Specification	Manufacturer	Reduction Ratio		A
			50Hz	60Hz	
6W	Induction Motor	Panasonic	12.5-25	101.0	108.0
		Oriental	12.5-25	105.0	118.0
		Taiwanese	12.5-75	114.7	120.7
	Variable Speed Motor	Panasonic	12.5-25	111.0	118.0
		Oriental	12.5-25	115.0	125.0
		Taiwanese	12.5-75	126.9	132.9
25W	Induction Motor	Panasonic	5-180	115.0	117.0
		Oriental	5-180	127.5	137.5
		Taiwanese	5-75	129.0	136.0
	Variable Speed Motor	Panasonic	5-180	125.0	127.0
		Oriental	5-180	137.5	147.0
		Taiwanese	5-75	139.5	146.5

① Part Number	② B 1mm Increment	③ L 5mm Increment	Motor Selection				⑧ Belt Specification	⑨ Motor Manufacturer Selection
			④ Output (W)	⑤ Voltage (V)	⑥ Specification	⑦ Gearhead Reduction Ratio		
CVGTN	80-300	265-3000	6	TA115 (Single-Phase)	IM (Induction Motor)	5 7.5 9 12.5 15	S (For Sliding: Green) J (No Belt)	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
			25	SA220 (3-Phase) SA230 (3-Phase)	IM (Induction Motor) INV (Induction Motor + Inverter)	60 75 90 100 120		
			6 25	NV (No Motor)	NM (No Motor)	NH (No Gearhead)		
			⊗ 5-9 not applicable for 6W Motor					R (No Motor, Gearhead)

- ⊕ Belt pitch tolerance is ±1mm, main unit width target tolerance is ±3mm.
- ⊕ Rotating direction of the belt is the same as motor rotating direction when gear ratio is 25 or less, and the opposite when gear ratio is 30 or more.
- ⊕ For connection diagram, motor and inverter details, refer to P.968
- ⊕ For Flat Belt details, refer to P.865
- ⊕ 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, the frame is delivered in sections and the customer is to assemble according to the included assembly instructions. Precautions P.938

Days to Ship	12
Order Quantity	Standard Service Regular Quantity: 1-2, Non-Standard Service Large Quantity: 3-
Quantity	Standard
Days to ship	To be quoted

Alterations	Specify Drive Module Position P.973, Additional Counterbores, Stands (Legs)
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# Miniature Conveyor System

## -Dual Track, Center Drive, 3-Groove Frame (Pulley Dia. 50mm)-

■Features: Since there are two rows of conveyor surfaces, sensors and stoppers can be mounted in between the belts. The Center Drive configuration allows drive section position adjustments. CAD Data Folder Name: 17\_Conveyors

When ordering, select Part Number and Values from Selection Steps ①~⑨.

Ordering Example	① Part Number	② B	③ L	④ Output	⑤ Voltage	⑥ Specification	⑦ Gearhead Reduction Ratio	⑧ Belt Specification	⑨ Motor Manufacturer Selection	
	CVGTP	130	660	25	TA115	IM	15	S	B	
	For No Belt	CVGTP	130	660	25	TA115	SCM	15	J	B
	For No Motor, Gearhead	CVGTP	100	1000	25	NV	NM	NH	S	R



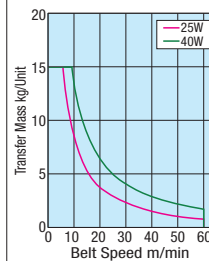
Material	Frame	Motor Cover ①	Motor Cover ②	Pulley Holder
Aluminum	Aluminum	A5052	A5052	Aluminum
Surface Treatment	Clear Anodize	Clear Anodize	Clear Anodize	Aluminum Coating

### Gearhead Reduction Ratio

\*May decrease depending on load condition.

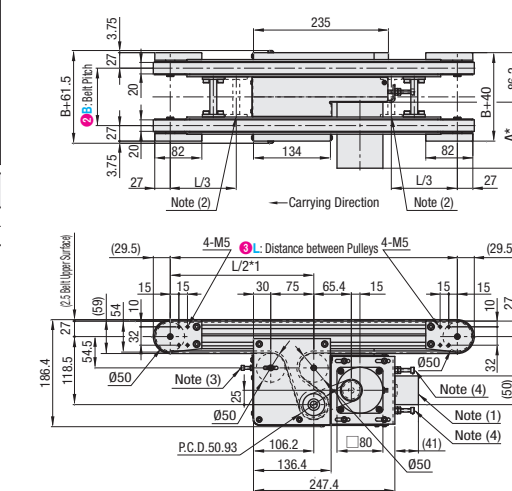
Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	48.0	57.6
7.5	32.0	38.4
9	26.7	32.0
12.5	19.2	23.0
15	16.0	19.2
18	13.3	16.0
25	9.6	11.5
30	8.0	9.6
36	6.7	8.0
50	4.8	5.8
60	4.0	4.8
75	3.2	3.8
90	2.7	3.2
100	2.4	2.9
120	2.0	2.4
150	1.6	1.9
180	1.3	1.6

### Conveying Capacity \*Reference Value

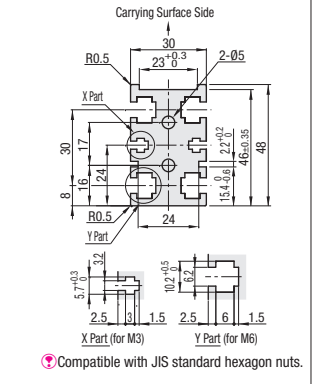


### CVGTP

25W Motor Type

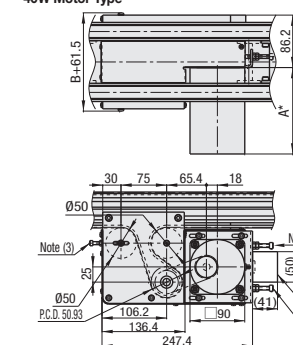


Frame Cross Section and Enlarged View (Symmetrical)



- \*1 The drive section can be moved to a desired position within the aluminum extrusion slots.
- \*2 For L<425, each slot has 4 pre-inserted nuts provided. When counterbore holes for nut insertion are needed, specify by an Alteration.

40W Motor Type



- Note (1) Capacitor Attached for Single-Phase Induction Motor Only
- (2) When 2005<L<3000, Joints mounted at these locations (2 Places)
- (3) M5 Tensioning Screw
- (4) M6 Tensioning Screw

\*Timing Belts used are double-sided cloth lined T10 Type (P.865 LTBRA-T10200-). See the product pages for details.

### \*A Dimension Details

Output (W)	Motor Specification	Manufacturer	Reduction Ratio		A
			50Hz	60Hz	
25W	Induction Motor	Panasonic	5-180	115.0	117.0
		Oriental	5-180	127.5	137.5
		Taiwanese	5-75	129.0	136.0
	Variable Speed Motor	Panasonic	5-180	125.0	127.0
		Oriental	5-180	137.5	147.0
		Taiwanese	5-75	139.5	146.5
40W	Induction Motor	Panasonic	5-180	142.0	147.0
		Oriental	5-180	165.0	175.0
		Taiwanese	5-75	161.6	170.6
	Variable Speed Motor	Panasonic	5-180	152.0	157.0
		Oriental	5-180	175.0	185.0
		Taiwanese	5-75	172.1	181.1

① Part Number	② B 1mm Increment	③ L 5mm Increment	Motor Selection				⑧ Belt Specification	⑨ Motor Manufacturer Selection
			④ Output (W)	⑤ Voltage (V)	⑥ Specification	⑦ Gearhead Reduction Ratio		
CVGTP	80-300	325-3000	25	TA115 (Single-Phase)	IM (Induction Motor)	5 7.5 9 12.5 15	S (For Sliding: Green) J (No Belt)	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
			40	SA220 (3-Phase) SA230 (3-Phase)	IM (Induction Motor) INV (Induction Motor + Inverter)	60 75 90 100 120		
			25 40	NV (No Motor)	NM (No Motor)	NH (No Gearhead)		
			⊗ 5-9 not applicable for 6W Motor					R (No Motor, Gearhead)

- ⊕ Belt pitch tolerance is ±1mm, main unit width target tolerance is ±3mm.
- ⊕ Rotating direction of the belt is the same as motor rotating direction when gear ratio is 25 or less, and the opposite when gear ratio is 30 or more.
- ⊕ For connection diagram, motor and inverter details, refer to P.968
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- ⊕ 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, the frame is delivered in sections and the customer is to assemble according to the included assembly instructions. Precautions P.938

Days to Ship	12
Order Quantity	Standard Service Regular Quantity: 1-2, Non-Standard Service Large Quantity: 3-
Quantity	Standard
Days to ship	To be quoted

Alterations	Specify Drive Module Position P.973, Additional Counterbores, Stands (Legs)
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