## **Timing Belt Conveyors**

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 between the belts. The Center Drive configuration allows drive section position adjustments. With the addition of tapped holes for pulley holders, mounting of optional parts becomes easier, compared to CVSTN.



|                   | Frame         | Motor<br>Cover 1 | Motor<br>Cover ② | Pulley<br>Holder |
|-------------------|---------------|------------------|------------------|------------------|
| M Material        | Aluminum      | A5052            | A5052            | Aluminum         |
| Surface Treatment | Clear Anodize | Clear Anodize    | Clear Anodize    | Paint            |

### ■Gearhead Reduction Ratio \*May decrease depending on load condition.

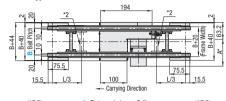
Outlied | Balt Chand (s

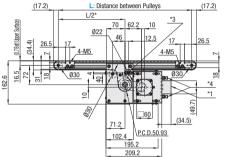
| deameau         |      | u (III/IIIIII) |
|-----------------|------|----------------|
| Reduction Ratio | 50Hz | 60Hz           |
| 5               | 48.0 | 57.6           |
| 7.5             | 32.0 | 38.4           |
| 9               | 26.7 | 32.0           |
| 12.5            | 19.2 | 23.0           |
| 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 10 20 30 40 50 60 Belt Speed (m/min)

### **CVGTN** 6W Motor Type

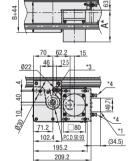




- \* The drive section can be moved to a desired position within the aluminum extrusion slots \*When L≤365, each slot has 4 pre-inserted nuts provided.

  When counterbores for inserting nuts are required, please specify in alterations

### 25W Motor Type



- \*1 Capacitor: Installed on Single-Phase Induction Motors Only \*2 When 2005<1 < 3000 Joints
- (2 places) \*3 M5 Screw for Tension
- \*Timing Belts used are T5 Type (P.1473, LTBRA-T5100~). See product pages for details.

# \* A Dimension Details

|     |                  |              |         | A     |
|-----|------------------|--------------|---------|-------|
| (W) | Specification    | Manufacturer | Ratio   | _ ^   |
|     |                  | Panasonic    | 12.5~25 | 101.0 |
|     |                  | Panasonic    | 30~180  | 108.0 |
|     | Induction Motor  | Oriental     | 12.5~25 | 105.0 |
|     | IIIddction wotor | Unemai       | 30~180  | 115.0 |
| 6W  |                  | Taiwanese    | 12.5~75 | 114.7 |
| OW  |                  | laiwaiiese   | 90~180  | 120.7 |
|     |                  | Oriental     | 12.5~25 | 115.0 |
|     | Variable Speed   | Unemai       | 30~180  | 125.0 |
|     | Motor            | Taiwanese    | 12.5~75 | 126.9 |
|     |                  | laiwaiiese   | 90~180  | 132.9 |
|     |                  | Panasonic    | 5~180   | 115.0 |
|     |                  | Oriental     | 5~18    | 117.0 |
|     | Induction Motor  | Unemai       | 25~180  | 127.5 |
|     |                  | Taiwanese    | 5~75    | 129.0 |
| 25W |                  | laiwaiiese   | 90~180  | 136.0 |
|     |                  | Oriental     | 5~18    | 127.0 |
|     | Variable Speed   | Unemai       | 25~180  | 137.5 |
|     | Motor            | Taiwanese    | 5~75    | 139.5 |
|     | 1                | iaiwdilese   | 90~180  | 146.5 |

Motor

Part X (for M3)

Compatible with JIS standard hex nuts.

Part Y (for M6)

Frame Cross Section and Enlarged

Carrying Surface Side

| Doub           | В                | L                |               |                                    | Motor  |   |                                    | Motor Manufacturer                         |  |
|----------------|------------------|------------------|---------------|------------------------------------|--|---|------------------------------------|--|--|
| Part<br>Number | 1mm<br>Increment | 5mm<br>Increment | Output<br>(W) | Voltage (V)                        | Specification  | Gearhead Reduction<br>Ratio                           | Belt Specification                 | Selection The prices vary by manufacturer. |  |
|                |                  |                  | 6<br>25       | TA115<br>(Single-phase)            | (Induction Motor)  SCM *Oriental Motor only (Variable Speed Motor) | 5 7.5 9 12.5 15<br>18 25 30 36 50<br>60 75 90 100 120 |                                    | A (Panasonic Motor) B (Oriental Motor)     |  |
| CVGTN          | 80~300           | 265~3000         | 1 25          | SA220 (3-Phase)<br>SA230 (3-Phase) | IM (Induction Motor)   | 150 180<br>⊗5~9 not applicable for 6W Motor           | S (For Sliding, Green) J (No Belt) | C (Taiwanese Motor)                        |  |
|                |                  |                  | 6<br>25       | NV (No Motor)                      | NM (No Motor)  | NH (No Gearhead)                                      |                                    | R (No Motor, Gearhead)                     |  |

- Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor, see 🗷 P. 1267 onward. (Pror belt details, see 🗷 P. 1279 onward.
- Twhen "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details. When "No mator gearbead" is selected this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.

| •              |         |              |              |              |              |              |  |              |                    |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
|----------------|---------|--------------|--------------|--------------|--------------|--------------|--|--------------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Body P         |         |              |              |              |              |              |  | / Price      | Price 1 ~ 2 pc(s). |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| Part<br>Number | В       | L265~<br>300 | L305~<br>400 | L405~<br>500 | L505~<br>600 | L605~<br>700 |  | L805~<br>900 | L905~<br>1000      | L1005<br>~1100 | L1105<br>~1200 | L1205<br>~1300 | L1305<br>~1400 | L1405<br>~1500 | L1505<br>~1600 | L1605<br>~1700 | L1705<br>~1800 | L1805<br>~1900 | L1905<br>~2000 | L2005<br>~2250 | L2255<br>~2500 | L2505<br>~2750 | L2755<br>~3000 |
|                | 80~100  |              |              |              |              |              |  |              |                    |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
|                | 110~150 |              |              |              |              |              |  |              |                    |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| CVGTN          | 160~200 |              |              |              |              |              |  |              |                    |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
|                | 210~250 |              |              |              |              |              |  |              |                    |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
|                |         |              |              |              |              |              |  |              |                    |                |                |                |                |                |                |                |                |                |                |                |                |                |                |

To orders larger than indicated quantity, Days to Ship and Price are to be quoted

| Motor,         | Motor Output | Specification | A (Panasonic Motor) | B (Oriental Motor) | C (Taiwanese Motor) | R (No Motor, Gearhead) | J (No Belt) |
|----------------|--------------|---------------|---------------------|--------------------|---------------------|------------------------|-------------|
| Belt<br>Spec   | 6W           | IM            |                     |                    |                     |                        |             |
| Spec.<br>Price | 25W          | SCM           | -                   |                    |                     |                        |             |



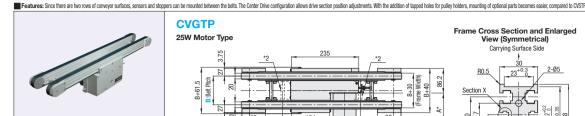
1 -1257 Ex.) For No Belt



Stands (Legs)

## **Timing Belt Conveyors**

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



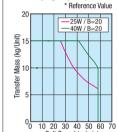
|                     | Frame         | Motor<br>Cover ① | Motor<br>Cover ② | Pulley<br>Holder |
|---------------------|---------------|------------------|------------------|------------------|
| M Material          | Aluminum      | A5052            | A5052            | Aluminum         |
| S Surface Treatment | Clear Anodize | Clear Anodize    | Clear Anodize    | Paint            |

### Gearhead Reduction Ratio

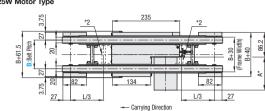
\*May decrease depending on load condition

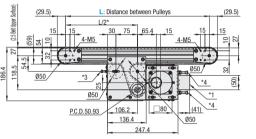
| Gearhead        |      | d (m/min) |
|-----------------|------|-----------|
| Reduction Ratio | 50Hz | 60Hz      |
| 5               | 48.0 | 57.6      |
| 7.5             | 32.0 | 38.4      |
| 9               | 26.7 | 32.0      |
| 12.5            | 19.2 | 23.0      |
| 15              | 16.0 | 19.2      |
| 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       |



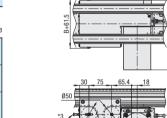


### **CVGTP** 25W Motor Type



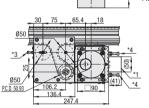


- \*The drive section can be moved to a desired position within the aluminum extrusion slots.
- \* When L≤425, each slot has 4 pre-inserted nuts provided.
  When counterbores for inserting nuts are required, please specify in alterations



\*1 Capacitor: Installed on Single Phase Induction Motors Only \*2 When 2005<1 <3000 .loints (2 places)

\*3 M5 Screw for Tension



\*Timing belts used is T10 Type (**P. 1473** LTBR-T10200 onward). See product pages

### \* A Dimension Details

| Output | Mot             |              | Reduction | Α     |
|--------|-----------------|--------------|-----------|-------|
| (W)    | Specification   | Manufacturer | Ratio     | -     |
|        |                 | Panasonic    | 5~180     | 115.0 |
|        | 1               | Oriental     | 5~18      | 117.0 |
|        | Induction Motor | Unentai      | 25~180    | 127.5 |
|        | 1 1             | Taiwanese    | 5~75      | 129.0 |
| 25W    |                 | iaiwanese    | 90~180    | 136.  |
|        |                 | Oriental     | 5~18      | 127.  |
|        | Variable Speed  | Uncillai     | 25~180    | 137.  |
|        | Motor           | Taiwanese    | 5~75      | 139.  |
|        |                 | laiwaliese   | 90~180    | 146.  |
|        |                 | Panasonic    | 5~180     | 142.  |
|        | 1 1             | Oriental     | 5~18      | 147.  |
|        | Induction Motor | Unentai      | 25~180    | 165.0 |
|        |                 | Taiwanese    | 5~75      | 161.6 |
| 40W    |                 | iaiwanese    | 90~180    | 170.6 |
|        |                 | Oriental     | 5~18      | 157.  |
|        | Variable Speed  | Uncillai     | 25~180    | 175.0 |
|        | Motor           | Taiwanese    | 5~75      | 172.  |
|        | i               | iaiwdilese   | 90180     | 191 - |

Frame Cross Section and Enlarged

View (Symmetrical)

Section Y

Part X (for M3)

Compatible with JIS standard hex nuts.

Part Y (for M6)

| Dont           | В                | L                |               |                         | Motor  |   |                       | Motor Manufacturer                         |
|----------------|------------------|------------------|---------------|-------------------------|--|---|-----------------------|--|
| Part<br>Number | 1mm<br>Increment | 5mm<br>Increment | Output<br>(W) | Voltage (V)             | Specification  | pecification Gearhead Reduction Ratio                 |                       | Selection The prices vary by manufacturer. |
|                |                  |                  | 0.5           | TA115<br>(Single-phase) | (Induction Motor)  SCM *Oriental Motor only (Variable Speed Motor) | 5 7.5 9 12.5 15<br>18 25 30 36 50<br>60 75 90 100 120 | C (For Cliding Croon) | A (Panasonic Motor) B (Oriental Motor)     |
| CVGTP          | 80~300           | 325~3000         |               |                         | 150 180  | S (For Sliding, Green) J (No Belt)                    | C (Taiwanese Motor)   |  |
|                |                  |                  |               | NV (No Motor)           | NM (No Motor)  | NH (No Gearhead)                                      |                       | R (No Motor, Gearhead)                     |

- Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor, see 🗷 P. 1267 onward. (Pror belt details, see 🗷 P. 1279 onward.
- When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information in our Conveyor Selection web site for the dimension details. Mken "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit according to the included assembly instructions. See our Conveyor Selection site for assembly procedures and packaging details.

| Part   |         |              | Body Price 1 ~ 2 pc(s). |              |              |              |              |               |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
|--------|---------|--------------|-------------------------|--------------|--------------|--------------|--------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Number | В       | L325~<br>400 | L405~<br>500            | L505~<br>600 | L605~<br>700 | L705~<br>800 | L805~<br>900 | L905~<br>1000 | L1005<br>~1100 | L1105<br>~1200 | L1205<br>~1300 | L1305<br>~1400 | L1405<br>~1500 | L1505<br>~1600 | L1605<br>~1700 | L1705<br>~1800 | L1805<br>~1900 | L1905<br>~2000 | L2005<br>~2250 | L2255<br>~2500 | L2505<br>~2750 | L2755<br>~3000 |
|        | 80~100  |              |                         |              |              |              |              |               |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
|        | 110~150 |              |                         |              |              |              |              |               |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
| CVGTP  | 160~200 |              |                         |              |              |              |              |               |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
|        | 210~250 |              |                         |              |              |              |              |               |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
|        | 260~300 |              |                         |              |              |              |              |               |                |                |                |                |                |                |                |                |                |                |                |                |                |                |

For orders larger than indicated quantity. Days to Ship and Price are to be quoted.

| Motor,        | Motor Output Specification |     | A (Panasonic Motor) | B (Oriental Motor) | C (Taiwanese Motor) | R (No Motor, Gearhead) | J (No Belt) |
|---------------|----------------------------|-----|---------------------|--------------------|---------------------|------------------------|-------------|
| Belt<br>Spec. | 25W                        | IM  |                     |                    |                     |                        |             |
| Price         | 40W                        | SCM | -                   |                    |                     |                        |             |









Stands (Legs)