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.

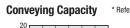
With the addition of tapped holes for pulley holders, mounting of optional parts becomes easier, compared to CVSTN.

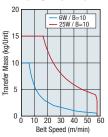


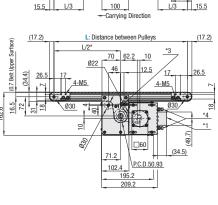
| | Frame | Motor Cover (1) | Motor Cover (2) | Pulley Holder | |
|----------------------|------------------|---------------------------|---------------------------|------------------|--|
| Material | Aluminum | 5052 Aluminum Alloy | 5052 Aluminum Alloy | Aluminum | |
| Surface Treatment | Clear Anodize | Clear Anodize | Clear Anodize | Paint | |

Gearhead Reduction Ratio *May decrease depending on load condition

| Gearhead | Belt Speed (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 | | | | | | |







*1 Capacitor: Installed on Single-Phase Constant Speed Motor

*2 When 2005≤L≤3000, Joints mounted at these locations (2 places)

* Timing Belts used are T5 Type

*3 M5 Screw for Tension

*4 M6 Tensioning Screw

CVGTN 6W Motor Type

Motor Specifications

| Output | Motor | | Reduction | Motor |
|--------|-------------------------|--------------|-----------|------------|
| (W) | Specification | Manufacturer | Ratio | Length (A) |
| | | Panasonic | 12.5-25 | 101.0 |
| | | ranasonic | 30-180 | 108.0 |
| | Constant | Oriental | 12.5- 25 | 105.0 |
| | Speed Motor | Official | 30-180 | 115.0 |
| | | Taiwanese | 12.5- 75 | 114.7 |
| 6W | | laiwanese | 90-180 | 120.7 |
| | Variable Speed Motor | Oriental | 12.5- 25 | 115.0 |
| | | | 30-180 | 125.0 |
| | | Taiwanese | 12.5- 75 | 126.9 |
| | | | 90-180 | 132.9 |
| | | Panasonic | 5-180 | 115.0 |
| | Constant Speed Motor | Oriental | 5– 18 | 117.0 |
| | | Ullelitai | 25-180 | 127.5 |
| | | Taiwanese | 5- 75 | 129.0 |
| 25W | | iaiwallese | 90-180 | 136.0 |
| 2300 | | Oriental | 5– 18 | 127.0 |
| | Variable | Unidital | 25-180 | 137.5 |
| | Speed Motor | Taiwanese | 5- 75 | 139.5 |
| | | iaiwaliese | 90-180 | 146.5 |

Frame Cross Section and Enlarged

Detail A (for M3) Detail B (for M6)

Compatible with JIS standard hex nuts.

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

| | Width B | Length L | Motor | | | | | | | Motor Manufacturer Selection | | |
|-------------|-----------------------------------|------------------|---|-------------------------------|--|---------------|-----------------|--------------------|----------------------------------|------------------------------|---------------------------------------|--|
| Part Number | 1mm Increment | 5mm Increment | Output (W) Voltage (V) Specification Gearhead Reduction Ratio | | | | io | Belt Specification | The prices vary by manufacturer. | | | |
| | 25 TA100 TA200 SCI TA220 TA230 (V | -300 265-3000 | | TA100 TA110 TA115 TA200 | (Constant Speed Motor) SCM *Oriental Motor only (Variable Speed Motor) | 5 18 60 | 7.5 25 75 | 9 30 90 | 12.5 36 100 | 15 50 120 | | A (Panasonic Motor) |
| CVGTN | | | 25 | SA200 | IM (Constant Speed Motor) | 150 | 180 | | | | S (For Sliding, Green) J (No Belt) | B (Oriental Motor) C (Taiwanese Motor) |
| | | 30 | | 9 not ap | plicable | e for 6W | Motor | | | | | |
| | | | | NV (No Motor) | NM (No Motor) | | NH (I | lo Gear | head) | | | R (No Motor, Gearhead) |

Oconnect the motor so that the belt rotates in the direction of conveyance.

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. When "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.

















For details of alterations, see P.1276.

Timing Belt Conveyors

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 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 CVSTP.

CVGTP

25W Motor Typ



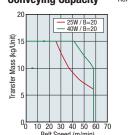
| | Frame | Motor Cover (1) | Motor Cover (2) | Pulley Holder |
|----------------------|------------------|---------------------------|---------------------------|------------------|
| Material | Aluminum | 5052 Aluminum Alloy | 5052 Aluminum Alloy | Aluminum |
| Surface Treatment | Clear Anodize | Clear Anodize | Clear Anodize | Paint |

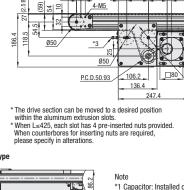
Gearhead Reduction Ratio

*May decrease depending on load condition

| Gearhead | Belt Speed (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 | | | |

Conveying Capacity





- Carrying Direction

*1 Capacitor: Installed on Single-Phase Constant Speed Motor Only *2 When 2005≤L≤3000, Joints mounted at these locations (2 places) *3 M5 Screw for Tension *4 M6 Tensioning Screw * Timing belts used is T10 Type

View (Symmetrical) Carrying Surface Side Detail A (for M3) Detail B (for M6) Compatible with JIS standard hex nuts.

Frame Cross Section and Enlarged

Motor Specifications

| Output | Mo | tor | Reduction | Motor | |
|--------|----------------------------|------------|-----------|------------|--|
| (W) | Specification Manufacturer | | Ratio | Length (A) | |
| | | Panasonic | 5-180 | 115.0 | |
| | Constant | Oriental | 5 18 | 117.0 | |
| | Speed Motor | Unentai | 25-180 | 127.5 | |
| | Speed Motor | Taiwanese | 5-75 | 129.0 | |
| 25W | | laiwanese | 90-180 | 136.0 | |
| | Variable Speed Motor | Oriental | 5-18 | 127.0 | |
| | | Official | 25-180 | 137.5 | |
| | | Taiwanese | 5-75 | 139.5 | |
| | | | 90-180 | 146.5 | |
| | | Panasonic | 5-180 | 142.0 | |
| | Constant Speed Motor | Oriental | 5-18 | 147.0 | |
| | | Unentai | 25-180 | 165.0 | |
| | opeca woto | Taiwanese | 5-75 | 161.6 | |
| 40W | | Talwanese | 90-180 | 170.6 | |
| 40W | | Oriental | 5-18 | 157.0 | |
| | Variable | Uncillai | 25-180 | 175.0 | |
| | Speed Motor | Taiwanese | 5-75 | 172.1 | |
| | | iaiwailese | 90-180 | 181.1 | |

| | Width B | Length L 5mm Increment | | | Motor | | Motor Manufacturer Selection | |
|-------------|---------------|---------------------------|-------------------|--|--|-----------------------------------|---------------------------------------|---|
| Part Number | 1mm Increment | | Output (W) | Voltage (V) | Specification | Gearhead Reduction Ratio | Belt Specification | The prices vary by manufacturer. |
| | 80–300 | 300 325–3000 | 325–3000 25 40 | (Single-Phase) TA100 TA110 TA115 TA200 TA220 TA230 | (Constant Speed Motor) SCM *Oriental Motor only (Variable Speed Motor) | 5 7.5 9 12.5 15 18 25 30 36 50 | | A (Panasonic Motor) B (Oriental Motor) |
| CVGTP | | | | (Three-Phase) SA200 SA220 SA230 | IM (Constant Speed Motor) | 60 75 90 100 120 150 180 | S (For Sliding, Green) J (No Belt) | C (Taiwanese Motor) |
| | | | | NV (No Motor) NM (No Motor) NH (No Gearhead) | NH (No Gearhead) | | R (No Motor, Gearhead) | |

Oconnect the motor so that the belt rotates in the direction of conveyance.

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. When "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 Number

Stands (Legs)

For details of alterations, see P.1276