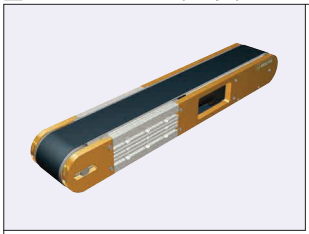
# Flat Belt Conveyor Motor Integrated Type

## 3-Groove Frame (Pulley Dia. 70mm)

CE Compliant

* The above compliance applies only for Single-phase 230V Motors.

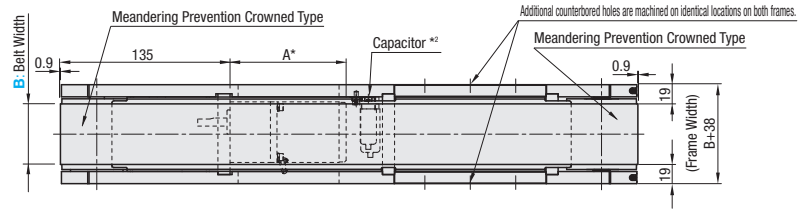
**Features:** Crowned pulleys prevent unwanted movement. The unit height has been reduced by half with the motor integrated in the frame.



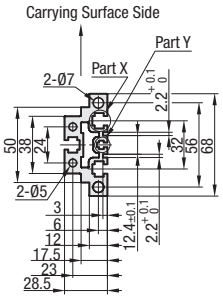
| | Frame | Pulley Holder |
|---|---|---|
| M Material | Aluminum | A5052 |
| S Surface Treatment | Clear Anodize | Gold Anodize |

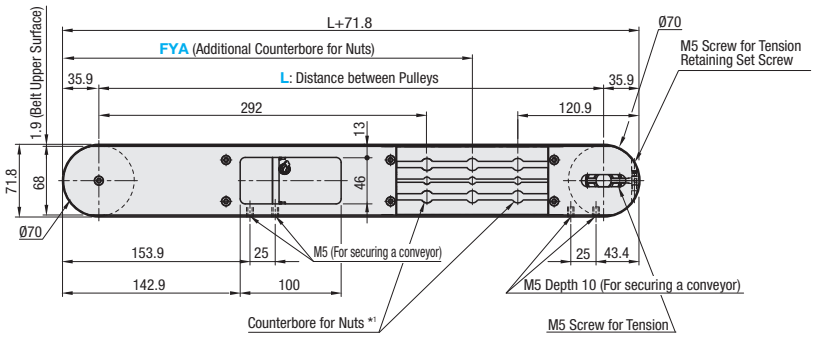
### CVSMA

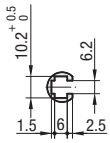
**6W Motor Type**



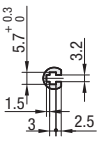

**Frame Cross Section - Enlarged (Vertically Symmetrical)**



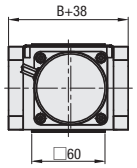



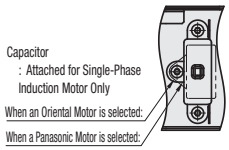

Part X (for M6)




Part Y (for M3)




**Motor Mounting Details**




**Capacitor Mounting Details**

The dimensions in the diagram is for Belt Specification H (0.9mm THK.). Note that belt thickness varies by Belt Specifications. For Belt Specifications, see **P.1313**~.

On some operating environments, conveyance failure may occur.

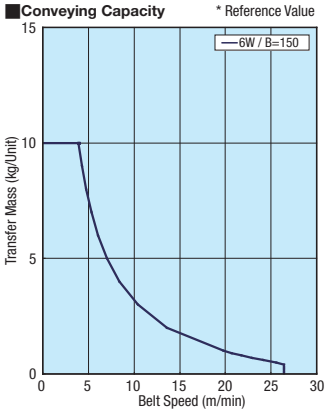
*1. When L≤815, counterbores for the nuts will not be provided. However, each slot has 4 pre-inserted nuts provided.
*2. Single-phase induction motor only.

Compatible with JIS standard hex nuts.

*** A Dimension (Motor Overall Length) Details**

| Motor | | Reduction Ratio | A |
|---|---|---|---|
| Specification | Manufacturer | | |
| Induction Motor | Panasonic | 15~25 | 101.0 |
| | | 30~180 | 108.0 |
| | Oriental | 15~18 | 105.0 |
| | | 25~180 | 115.0 |
| Variable Speed Motor | Oriental | 15~18 | 115.0 |
| | | 25~180 | 125.0 |

**Conveying Capacity** * Reference Value




**Gearhead Reduction Ratio**

* May decrease depending on load condition.

| Gearhead Reduction Ratio | Belt Speed (m/min) | |
|---|---|---|
| | 50Hz | 60Hz |
| 15 | 22.0 | 26.4 |
| 18 | 18.3 | 22.0 |
| 25 | 13.2 | 15.8 |
| 30 | 11.0 | 13.2 |
| 36 | 9.2 | 11.0 |
| 50 | 6.6 | 7.9 |
| 60 | 5.5 | 6.6 |
| 75 | 4.4 | 5.3 |
| 90 | 3.7 | 4.4 |
| 100 | 3.3 | 4.0 |
| 120 | 2.7 | 3.3 |
| 150 | 2.2 | 2.6 |
| 180 | 1.8 | 2.2 |