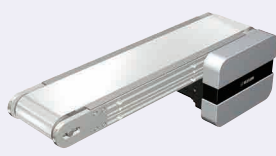


# Stainless Steel Belt Conveyor

## Head Drive, 3-Groove Frame (Pulley Dia. 50mm)

■ **Features:** Stainless steel belt conveyor that excels in flatness, heat resistance and electrical conductivity.

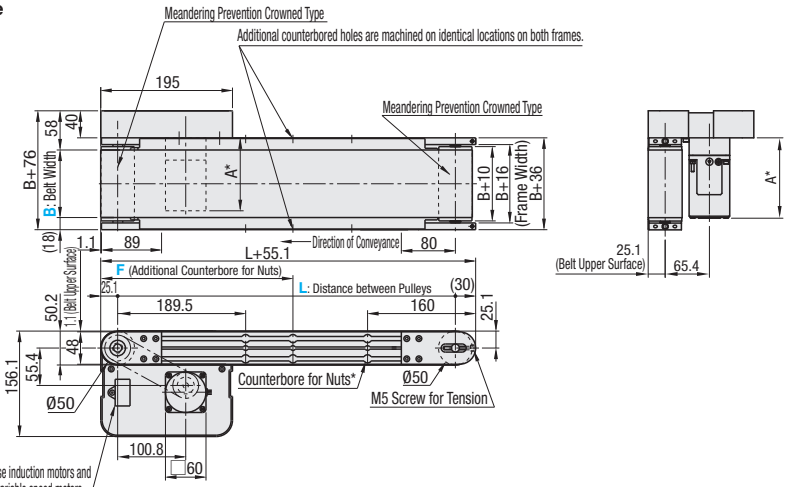


**CVSSA**

- When  $L \leq 405$ , counterbored holes for the nuts will not be provided. However, each slot has 4 pre-inserted nuts provided.
- Warping of the aluminum frame may occur if the load is concentrated onto a single point.
- On some operating environments, conveyance failure may occur.
- When  $L \geq 1,000$ , it is recommended to mount on at least 2 stands.
- Compatible with JIS standard hex nuts.
- The stainless steel belt excels in flatness on its own, but because it is tensioned when used as a conveyor, it is not recommended for use as a flat surface that requires precision.

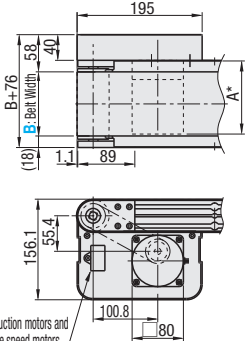
	Frame	Motor Cover	Pulley Holder
<b>M</b> Material	Aluminum	Aluminum	EN AW-5052 Equiv.
<b>S</b> Surface Treatment	Clear Anodize	Paint	Clear Anodize

**6W Motor Type**



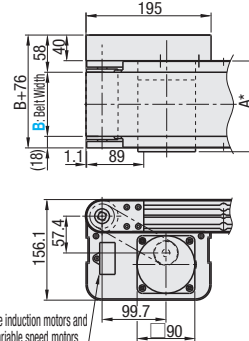
Meandering Prevention Crowned Type  
Additional counterbored holes are machined on identical locations on both frames.  
Direction of Conveyance  
L: Distance between Pulleys (30)  
F (Additional Counterbore for Nuts)  
Counterbore for Nuts\*  
M5 Screw for Tension  
Capacitor  
Attached for single-phase induction motors and some specifications of variable speed motors

**25W Motor Type**



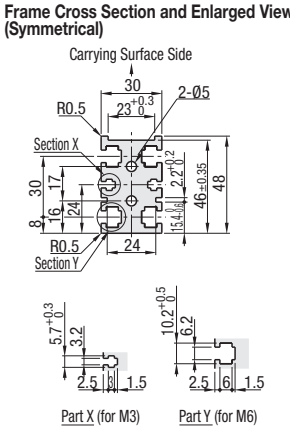
Capacitor  
Attached for single-phase induction motors and some specifications of variable speed motors

**40W Motor Type**



Capacitor  
Attached for single-phase induction motors and some specifications of variable speed motors

**Frame Cross Section and Enlarged View (Symmetrical)**



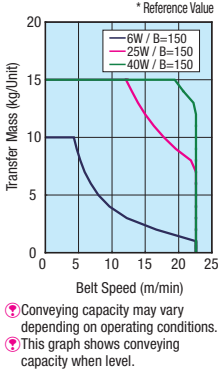
Carrying Surface Side  
Section X  
Section Y  
Part X (for M3)  
Part Y (for M6)

\* A Dimension Details (Motor Overall Length)

Output (W)	Motor		Reduction Ratio	A
	Specification	Manufacturer		
6W	Induction Motor	Panasonic	12.5~ 25	101.0
			30~180	108.0
		Oriental	12.5~ 25	105.0
			30~180	115.0
	Variable Speed Motor	Panasonic	12.5~ 25	111.0
			30~180	118.0
25W	Induction Motor	Panasonic	12.5~ 180	115.0
			25~180	117.0
		Oriental	12.5~180	127.5
			25~180	125.0
	Variable Speed Motor	Panasonic	12.5~ 18	127.0
		Oriental	25~180	137.5

Output (W)	Motor		Reduction Ratio	A
	Specification	Manufacturer		
40W	Induction Motor	Panasonic	12.5~180	142.0
		Oriental	12.5~ 18	147.0
			25~180	165.0
	Variable Speed Motor	Panasonic	12.5~180	152.0
		Oriental	12.5~ 18	157.0
			25~180	175.0

■ **Conveying Capacity**



■ **Gearhead Reduction Ratio**

\*Conveyance speed reference values are based on IM (motor rotational speed 1,500 rpm [50 Hz] / 1,800 rpm [60 Hz]).  
\*May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
12.5	18.8	22.6
15	15.7	18.8
18	13.1	15.7
25	9.4	11.3
30	7.9	9.4
36	6.5	7.9
50	4.7	5.7
60	3.9	4.7
75	3.1	3.8
90	2.6	3.1
100	2.4	2.8
120	2.0	2.4
150	1.6	1.9
180	1.3	1.6

For motor specification IM, the above conveyance speeds are constant speeds.  
For motor specification SCM, refer to the above values for the maximum speed.  
Motor specification SCM is adjustable up to  $(1/15) \times (\text{max. speed})$ . The weight that can be conveyed decreases as speed decreases.

Part Number	B 10mm Increment	L 5mm Increment	Motor				F (Additional Counterbores) 5mm Increment	Motor Manufacturer Selection ⚠ The prices vary by manufacturer.
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		
CVSSA	40~150	250~2000	6 25 40	TA230 (Single-phase)	IM (Induction Motor) SCM (Variable Speed Motor)	12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	240<F<L-180 *When not specified, there will be no additional counterbores.	A (Panasonic Motor) B (Oriental Motor)
			25 40					
			6 25 40	NV (No Motor)	NM (No Motor)	NH (No Gearhead)		R (No Motor, Gearhead)

- Connect the motor so that the chain rotates in the direction of conveyance.
- Since the belt thickness is 0.1mm, not suitable for accumulating 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.
- Regardless of belt specifications, it is not recommended to use the belt while the conveyor is tilted.

Part Number	B	Body Price 1 ~ 2 pc(s).															
		L250~300	L305~400	L405~500	L505~600	L605~700	L705~800	L805~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800
CVSSA	40~60																
	70~90	-															
	100~120	-	-														
	130~150	-	-	-													

⚠ For orders larger than indicated quantity, please check with WOS.

Motor Spec. Price	Motor Output	Specification	A (Panasonic Motor)		B (Oriental Motor)		R (No Motor, Gearhead)
			6W	25W	6W	25W	
		IM					
		SCM					

Ordering Example

Part Number	B	L	Motor	F	Motor Manufacturer Selection
CVSSA	100	1000	25 - TA230 - IM - 25	F500	A

Ex.) For No Motor, Gearhead CVSSA-100-1000-25-NV-NM-NH-F300-R ➡ Body Price + Price with Motor = Unit Price



Motor Position Reversed
Motor Cover with Window
Brackets for Speed Controller Included
Post-Assembly Insertion Nuts Included
Motor with Terminal Box
Stands (Legs)

For details of alterations, see P1264 onward.

■ **Machine Weight** (With a Motor Output of 6 W)  
\*Reference values (may vary depending on motor manufacturer) (kg)

Belt Width B (mm)	Unit Length L (mm)				
	500	750	1000	1500	2000
50	6.7	8	9.5	12.2	15
100	6.9	9.2	10.6	13.6	16.6
150	8.6	10.2	11.8	15	18.3

\*When the motor output is 25 W, add 1.1 kg.  
\*When the motor output is 40 W, add 2.1 kg.

# Conveyor Alternations ①

Motor Position Reversed / Specify Drive Section Location / Additional Counterbores / One or Both Ends Roller Edge / Motor Cover with Window



Alterations

Part Number	B	L	Motor				Belt Specification	Motor Manufacturer Selection	
			Output	Voltage	Specification	Gearhead Reduction Ratio			
CVGP	120	1350	25	T100	SCM	50	S	B	HR

(MK, MP, FYA, FYB, HR, MR, WR, CW)

Alterations	Code	Spec
<b>Motor Position Reversed</b> 	<b>MK</b>	Motor position can be changed. Ordering Code  MK Only the Head Drive Type can be specified. See the Application Chart on the next page for the applicable part numbers.
<b>Specify Drive Section Position</b> 	<b>MP</b>	Drive section position can be changed. Ordering Code  MP152 MP = 1mm Increment Only the Center Drive Type can be specified. The belt support rollers will be relocated to appropriate locations. MP dim. tolerance will be ±1 based on belt thickness. See the Application Chart on the next page for the applicable part numbers.
<b>Additional Counterbores</b> 	<b>FYA FYB</b>	Additionally machine counterbores for inserting nuts on the frames on the near and far sides. Ordering Code  FYA300 FYB600 FYA, FYB = 5mm Increment FYB-FYA≥15 Specifiable ranges are as shown below. See the Application Chart on the next page for the applicable part numbers.
<b>One End Roller Edge</b> 	<b>HR MR</b>	One end of the conveyor can be changed to a roller edge. Ordering Code  HR MR Only the Center Drive Type can be specified. 25W or larger motor can be selected. For CVGN and CVGP, L dim. of 350mm or above is available, and for SVKN, SVKR, CVGR and CVGW, L dim. of 450mm or above is available. B(Belt Width) 201mm or more is not available See the Application Chart on the next page for the applicable part numbers.
<b>Both Ends Roller Edge</b> 	<b>WR</b>	Both ends of the conveyor can be changed to a roller edge. Ordering Code  WR Only the Center Drive Type can be specified. 25W or larger motor can be selected. For CVGN and CVGP, L dim. of 350mm or above is available, and for SVKN, SVKR, CVGR and CVGW, L dim. of 450mm or above is available. B(Belt Width) 201mm or more is not available See the Application Chart on the next page for the applicable part numbers.
<b>Motor Cover with Window</b> 	<b>CW</b>	Can be changed to Motor Cover with Window. Ordering Code  CW Resin plate can also be purchased as a separate item for maintenance purpose. Motor Cover for Conveyor - with Window - For details, see P. 1318. See the Application Chart on the next page for the applicable part numbers.