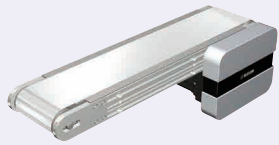


Stainless Steel Belt Conveyor

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

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

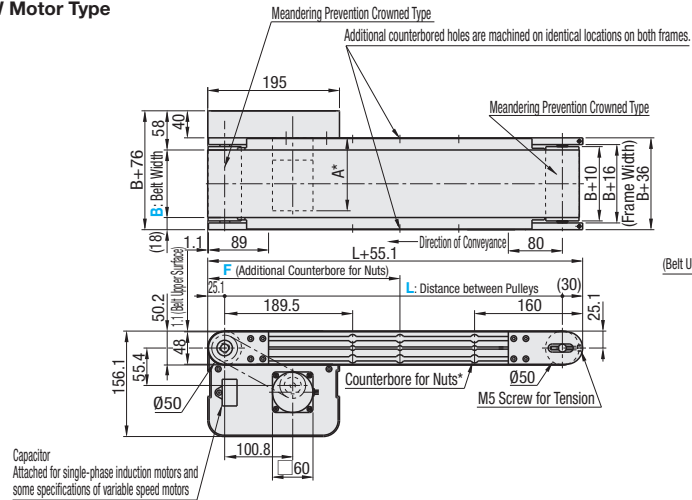


CVSSA

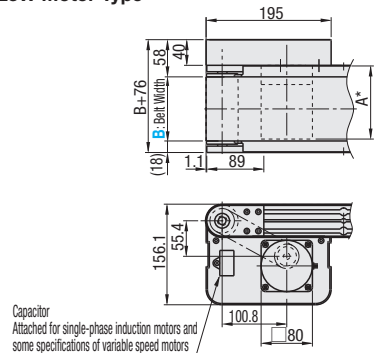
- When L ≤ 405, counterbored holes for the nuts will not be provided. However, each slot has 4 pre-inserted nuts provided.
- Warping of the aluminum frame may occur if the load is concentrated onto a single point.
- On some operating environments, conveyance failure may occur.
- When L ≥ 1,000, it is 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
M Material	Aluminum	Aluminum	A5052
S Surface Treatment	Clear Anodize	Paint	Clear Anodize

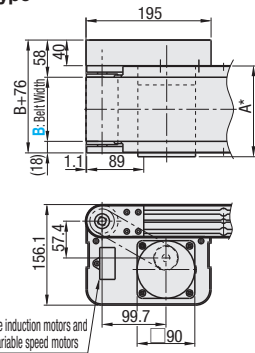
6W Motor Type



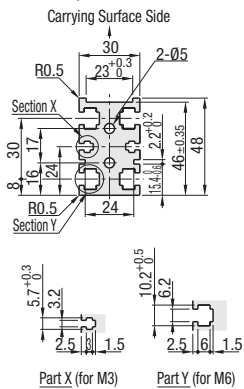
25W Motor Type



40W Motor Type



Frame Cross Section and Enlarged View (Symmetrical)



Part X (for M3) Part Y (for M6)

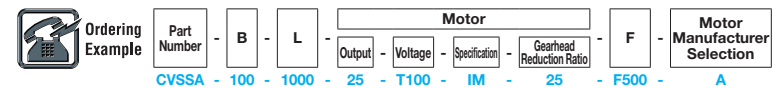
Part Number	B 10mm Increment	L 5mm Increment	Motor				F (Additional Counterbores) 5mm Increment	Motor Manufacturer Selection
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		
CVSSA	40-150	250-2000	6 25 40	TA115	IM (Induction Motor) SCM (Variable Speed Motor)	12.5 15 18 25 30 36 50 60 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) C (Taiwanese Motor)
			25 40		SA220 SA230	IM (Induction Motor)		* SCM (Variable Speed Motor) is not selectable for A.
			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	L1805-1900	L1905-2000	
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)				C (Taiwanese Motor)				R (No Motor, Gearhead)					
			6W	25W	40W															
		IM																		
		SCM																		

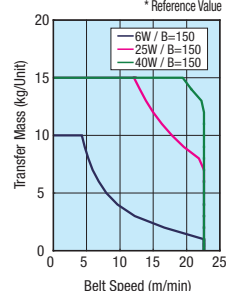


Ex.) For No Motor, Gearhead CVSSA-100-1000-25-NV-NM-NH-F300-R → Body Price + Price with Motor = Unit Price

* A Dimension Details (Motor Overall Length)

Output (W)	Motor Specification	Manufacturer	Reduction Ratio	A
6W	Induction Motor	Panasonic	12.5-25	101.0
		Panasonic	30-180	108.0
		Oriental	12.5-25	105.0
		Oriental	30-180	115.0
	Variable Speed Motor	Taiwanese	12.5-75	120.0
		Taiwanese	90-180	127.0
		Oriental	12.5-25	115.0
		Oriental	30-180	125.0
25W	Induction Motor	Panasonic	12.5-180	115.0
		Oriental	12.5-18	117.0
		Taiwanese	25-180	127.5
		Taiwanese	12.5-75	129.0
	Variable Speed Motor	Taiwanese	90-180	136.0
		Oriental	12.5-18	127.0
		Oriental	25-180	137.5
		Taiwanese	12.5-75	139.5

Conveying Capacity



- Conveying capacity may vary depending on operating conditions.
- This graph shows conveying capacity when level.

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) × (max. speed). The weight that can be conveyed decreases as speed decreases.



- 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)

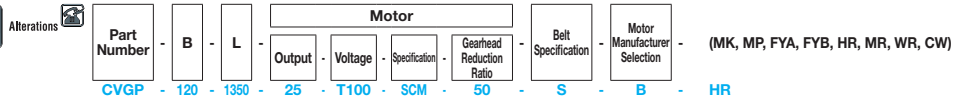
Belt Width B (mm)	Unit Length L (mm)				
	500	750	1000	1500	2000
50	6.7	8	9.5	12.2	15
100	6.9	9.2	10.6	13.6	16.6
150	8.6	10.2	11.8	15	18.3

*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	Code	Spec																																																		
<p>Motor Position Reversed</p>	MK	<p>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.</p>																																																		
<p>Specify Drive Section Position</p> <table border="1"> <thead> <tr> <th>Applicable Conveyors</th> <th>MP</th> </tr> </thead> <tbody> <tr><td>SVKN, SVKR</td><td>67≤MP≤L-300</td></tr> <tr><td>SVKN, SVKR (HR)</td><td>90≤MP≤L-300</td></tr> <tr><td>SVKN, SVKR (MR)</td><td>63≤MP≤L-330</td></tr> <tr><td>SVKN, SVKR (WR)</td><td>90≤MP≤L-330</td></tr> <tr><td>CVGN, CVGP</td><td>68≤MP≤L-302</td></tr> <tr><td>CVGN, CVGP (HR)</td><td>73≤MP≤L-302</td></tr> <tr><td>CVGN, CVGP (MR)</td><td>68≤MP≤L-312</td></tr> <tr><td>CVGN, CVGP (WR)</td><td>73≤MP≤L-312</td></tr> <tr><td>CVGR, CVGW</td><td>93≤MP≤L-317</td></tr> <tr><td>CVGR, CVGW (HR)</td><td>93≤MP≤L-317</td></tr> <tr><td>CVGR, CVGW (MR)</td><td>93≤MP≤L-332</td></tr> <tr><td>CVGR, CVGW (WR)</td><td>93≤MP≤L-332</td></tr> <tr><td>CVSTR</td><td>123≤MP≤L-208</td></tr> <tr><td>CVSJA</td><td>71≤MP≤L-162</td></tr> <tr><td>CVGTN</td><td>79≤MP≤L-203</td></tr> <tr><td>CVGTP</td><td>89≤MP≤L-269</td></tr> <tr><td>CVSX, CVSY</td><td>122≤MP≤L-381</td></tr> <tr><td>CVLPA</td><td>75≤MP≤L-320</td></tr> </tbody> </table>	Applicable Conveyors	MP	SVKN, SVKR	67≤MP≤L-300	SVKN, SVKR (HR)	90≤MP≤L-300	SVKN, SVKR (MR)	63≤MP≤L-330	SVKN, SVKR (WR)	90≤MP≤L-330	CVGN, CVGP	68≤MP≤L-302	CVGN, CVGP (HR)	73≤MP≤L-302	CVGN, CVGP (MR)	68≤MP≤L-312	CVGN, CVGP (WR)	73≤MP≤L-312	CVGR, CVGW	93≤MP≤L-317	CVGR, CVGW (HR)	93≤MP≤L-317	CVGR, CVGW (MR)	93≤MP≤L-332	CVGR, CVGW (WR)	93≤MP≤L-332	CVSTR	123≤MP≤L-208	CVSJA	71≤MP≤L-162	CVGTN	79≤MP≤L-203	CVGTP	89≤MP≤L-269	CVSX, CVSY	122≤MP≤L-381	CVLPA	75≤MP≤L-320	MP	<p>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.</p>												
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<p>Additional Counterbores</p> <table border="1"> <thead> <tr> <th>Applicable Conveyors</th> <th>FYA, FYB</th> </tr> </thead> <tbody> <tr><td>SVKA, SVKB</td><td>150≤FYA, FYB≤(L-105)</td></tr> <tr><td>SVKN, SVKR</td><td>65≤FYA, FYB≤(L-65)</td></tr> <tr><td>SVKN, SVKR (HR)</td><td>95≤FYA, FYB≤(L-65)</td></tr> <tr><td>SVKN, SVKR (MR)</td><td>65≤FYA, FYB≤(L-95)</td></tr> <tr><td>SVKN, SVKR (WR)</td><td>95≤FYA, FYB≤(L-95)</td></tr> <tr><td>CVGA, CVGB</td><td>150≤FYA, FYB≤(L-60)</td></tr> <tr><td>CVGN, CVGP</td><td>180≤FYA, FYB≤(L-75)</td></tr> <tr><td>CVGN, CVGP (HR)</td><td>60≤FYA, FYB≤(L-60)</td></tr> <tr><td>CVGN, CVGP (MR)</td><td>75≤FYA, FYB≤(L-60)</td></tr> <tr><td>CVGN, CVGP (WR)</td><td>60≤FYA, FYB≤(L-75)</td></tr> <tr><td>CVGN, CVGP (WR)</td><td>75≤FYA, FYB≤(L-75)</td></tr> <tr><td>CVGR, CVGW</td><td>75≤FYA, FYB≤(L-75)</td></tr> <tr><td>CVGR, CVGW (HR)</td><td>90≤FYA, FYB≤(L-75)</td></tr> <tr><td>CVGR, CVGW (MR)</td><td>75≤FYA, FYB≤(L-90)</td></tr> <tr><td>CVGR, CVGW (WR)</td><td>90≤FYA, FYB≤(L-90)</td></tr> <tr><td>CVGTA</td><td>150≤FYA, FYB≤(L-70)</td></tr> <tr><td>CVGTB</td><td>180≤FYA, FYB≤(L-65)</td></tr> <tr><td>CVGTN</td><td>70≤FYA, FYB≤(L-70)</td></tr> <tr><td>CVGTP</td><td>65≤FYA, FYB≤(L-65)</td></tr> <tr><td>CVMA, CVMB</td><td>170≤FYA, FYB≤(L-60)</td></tr> <tr><td>CVSMB</td><td>220≤FYA, FYB≤(L-155)</td></tr> <tr><td>CVDSA, CVDSB</td><td>180≤FYA, FYB≤(L-75)</td></tr> <tr><td>CVSTD</td><td>100d<1100:150≤FYA, FYB≤L-150 1100:L:135≤FYA, FYB≤L-135</td></tr> <tr><td>CVSPC</td><td>190≤FYA, FYB≤(L-130)</td></tr> </tbody> </table> <p>For CVSTD and center drive conveyors, counterbores in the drive section cannot be specified.</p>	Applicable Conveyors	FYA, FYB	SVKA, SVKB	150≤FYA, FYB≤(L-105)	SVKN, SVKR	65≤FYA, FYB≤(L-65)	SVKN, SVKR (HR)	95≤FYA, FYB≤(L-65)	SVKN, SVKR (MR)	65≤FYA, FYB≤(L-95)	SVKN, SVKR (WR)	95≤FYA, FYB≤(L-95)	CVGA, CVGB	150≤FYA, FYB≤(L-60)	CVGN, CVGP	180≤FYA, FYB≤(L-75)	CVGN, CVGP (HR)	60≤FYA, FYB≤(L-60)	CVGN, CVGP (MR)	75≤FYA, FYB≤(L-60)	CVGN, CVGP (WR)	60≤FYA, FYB≤(L-75)	CVGN, CVGP (WR)	75≤FYA, FYB≤(L-75)	CVGR, CVGW	75≤FYA, FYB≤(L-75)	CVGR, CVGW (HR)	90≤FYA, FYB≤(L-75)	CVGR, CVGW (MR)	75≤FYA, FYB≤(L-90)	CVGR, CVGW (WR)	90≤FYA, FYB≤(L-90)	CVGTA	150≤FYA, FYB≤(L-70)	CVGTB	180≤FYA, FYB≤(L-65)	CVGTN	70≤FYA, FYB≤(L-70)	CVGTP	65≤FYA, FYB≤(L-65)	CVMA, CVMB	170≤FYA, FYB≤(L-60)	CVSMB	220≤FYA, FYB≤(L-155)	CVDSA, CVDSB	180≤FYA, FYB≤(L-75)	CVSTD	100d<1100:150≤FYA, FYB≤L-150 1100:L:135≤FYA, FYB≤L-135	CVSPC	190≤FYA, FYB≤(L-130)	FYA FYB	<p>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.</p>
Applicable Conveyors	FYA, FYB																																																			
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CVGR, CVGW (HR)	90≤FYA, FYB≤(L-75)																																																			
CVGR, CVGW (MR)	75≤FYA, FYB≤(L-90)																																																			
CVGR, CVGW (WR)	90≤FYA, FYB≤(L-90)																																																			
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CVSPC	190≤FYA, FYB≤(L-130)																																																			
<p>One End Roller Edge</p>	HR MR	<p>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.</p>																																																		
<p>Both Ends Roller Edge</p>	WR	<p>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.</p>																																																		
<p>Motor Cover with Window</p>	CW	<p>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.</p>																																																		