

Flat Belt Conveyors

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

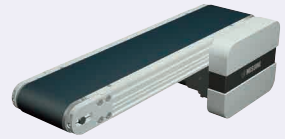
CE Compliant

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

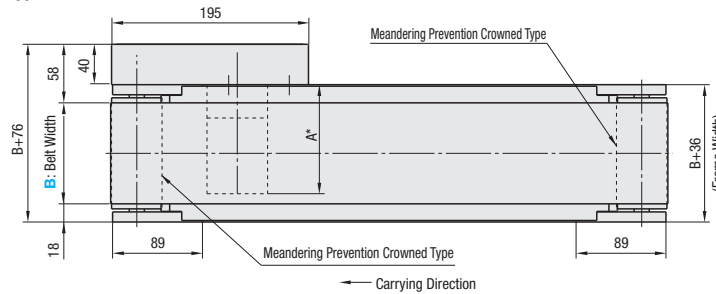
Dedicated web site <http://fa.misumi.jp/cvs/>

The above site can be used to search for Conveyor components and their maintenance parts.

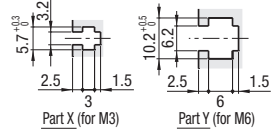
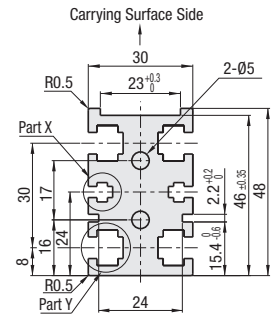
■ **Features:** Flat belt with the width configurable in the increments of 1mm (the finest level in the industry). Superior to CVSB in maintainability and space saving.



CVGC 6W Motor Type

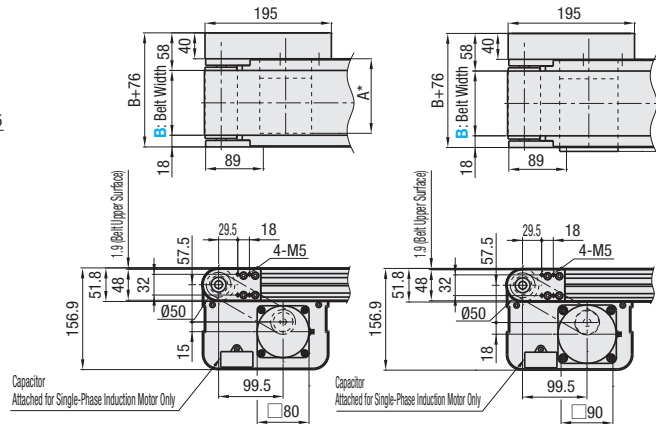


Frame Cross Section and Enlarged View (Symmetrical)

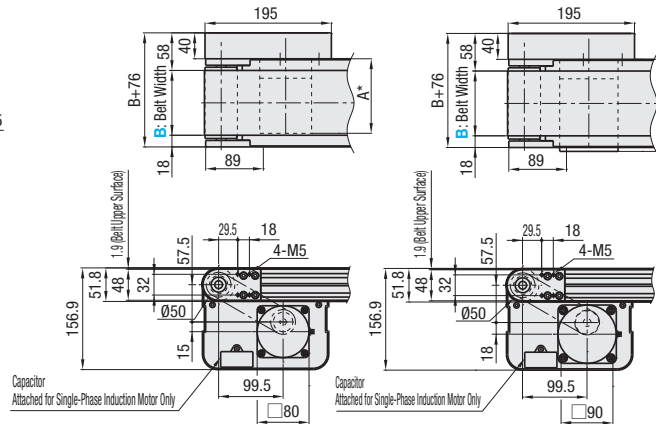


⊕ Compatible with JIS standard hex nuts.

25W Motor Type



40W Motor Type



* When L≥340, each slot has four (4) nuts inserted. When counterbores for inserting nuts are required, so specify in form of alteration ordering.

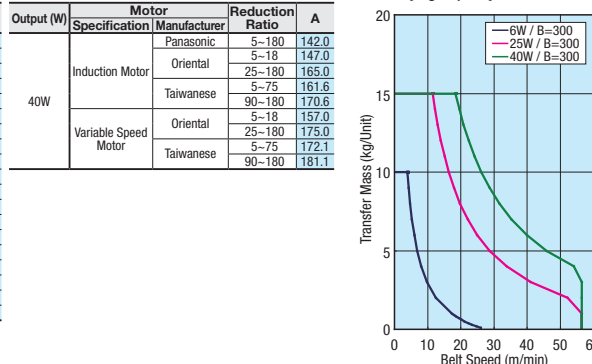
⊕ The dimensions in the diagram is for Belt Specification H (0.9mm THK.). Note that belt thickness varies by Belt Specifications. For Belt Specifications, see P1313-

⊕ On some operating environments, conveyance failure may occur.

* A Dimension (Motor Overall Length) Details

Output (W)	Motor Specification	Manufacturer	Reduction Ratio	A	
				Output (W)	Motor Specification
6W	Induction Motor	Panasonic	5-25	101.0	108.0
			30-180	108.0	115.0
		Oriental	5-25	105.0	112.0
			30-180	115.0	122.0
	Variable Speed Motor	Oriental	5-75	114.7	120.7
			90-180	120.7	126.9
		Taiwanese	5-75	126.9	132.9
			90-180	132.9	138.9
25W	Induction Motor	Panasonic	5-180	115.0	121.0
			5-18	117.0	123.0
		Oriental	5-75	129.0	135.0
			90-180	136.0	142.0
	Variable Speed Motor	Oriental	5-18	127.0	133.0
			25-180	137.5	143.5
		Taiwanese	5-75	139.5	145.5
			90-180	146.5	152.5

Conveying Capacity * Reference Value



Gearhead Reduction Ratio

* May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	47.1	56.5
7.5	31.4	37.7
9	26.2	31.4
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

Part Number	B 1mm Increment	L 5mm Increment	Motor			Belt Specification	Motor Manufacturer Selection		
			Output (W)	Voltage (V)	Specification				
CVGC	40-300	240-2000	6 25 40	TA115 (Single-phase)	IM (Induction Motor) SCM (Variable Speed Motor)	5 7.5 9 12.5 15 18 25 30 36 50 60 75 90 100 120 150 180	H (General Purpose, Green) W (General Purpose, White) G (For Sliding, Green) S (For Sliding, White) D (For Electronic Parts Transfer, Black) F (For Food Transfer, White) O (Oil Resistant, Navy Blue) N (Non-adhesive, White) J (No Belt)	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)	
					25 40	SA220 (3-Phase) SA230 (3-Phase)	IM (Induction Motor)	⊗ 5-9 not applicable for 6W Motor	*SCM (Variable Speed Motor) is not selectable for A. *For C, the conveyance speed may decrease by approx. 20%.
			6 25 40	NV (No Motor)	NM (No Motor)	NH (No Gearhead)	*When A or B is selected as the Motor Manufacturer Option, choose a belt from Belt Specification table below.	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 P1301-						
			⊕ When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. For the dimension details, see Technical Information in our Conveyor Selection web site.						
			⊕ When "No motor, gearhead" is selected, this unit will be delivered unassembled. The customer is to assemble the unit by following instructions on the included assembly procedure manual. See our Conveyor Selection site for assembly procedures and packaging details.						

⊕ Purple Color Type of Belt is the Catalog Standard-Altered product. For details, see P1313-

Belt Specification	Standard Belt (Body Price Only)	Optional Belt 1	Optional Belt 2	No Belt
General Purpose	H (Green), W (White), HG (Green)	-	HY (Yellow Green), HBN (Sky Blue), HGN (Green)	J (No Belt)
For Sliding	G (Green), S (White)	-	-	
For Inclined Transfer	LG (Green), LW (White)	-	HGN (Green), LWN (White), LYN (Gray)	
Grip Type	-	GG (Green), GW (White)	GSN (Green)	
Oil Resistant	O (Navy Blue), OH (Green), OG (Green)	OW (White)	ON (White)	
Non-adhesive	N (White), NS (White)	NB (Sky Blue), NBG (Lime Green), HH (Green), HW (White)	NWN (White), NSN (Sky Blue), NGN (Lime Green), HBG (Green), HBW (White), BW (White)	
For Food Transfer	F (White)	KW (White), KSB (Sky Blue), PHB (Sky Blue)	PHN (Sky Blue), PWN (White), KWN (White), KDN (White)	
For Electronic Parts Transfer	D (Black), DS (Black)	-	DG (Black)	

⊕ For flat belt details, see P1313-.

⊕ For Motor Manufacturer C (Taiwanese Motor), select either the H, W, G, S, D, F, O, N or J (No Belt) option.

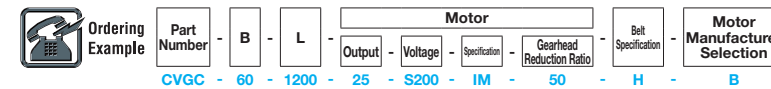
⊕ Since only the transporting surface side is designed to be oil resistant, Oil Resistant Types are not useable on environments where it is very likely that oil adheres to the back face.

Part Number	B	Body Price 1-10 pc(s).																		
		L240-300	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	
CVGC	40-50																			
	60-100																			
	110-150																			
	160-200																			
	210-250																			
	260-300																			

⊕ 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		

Belt Spec. Price	Standard Belt	Optional Belt 1	Optional Belt 2	No Belt



Alterations
Motor Position Reversed
Additional Counterbores
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 P1298-