

Flat Belt Conveyor High Power Type

With Meandering Prevention Crosspiece, Center Drive, 3-Groove Frame (Pulley Dia. 30mm)

Dedicated web site <http://fa.misumi.jp/cvs/>
Conveyor selecting, component purchases, and easy search for maintenance parts are available.

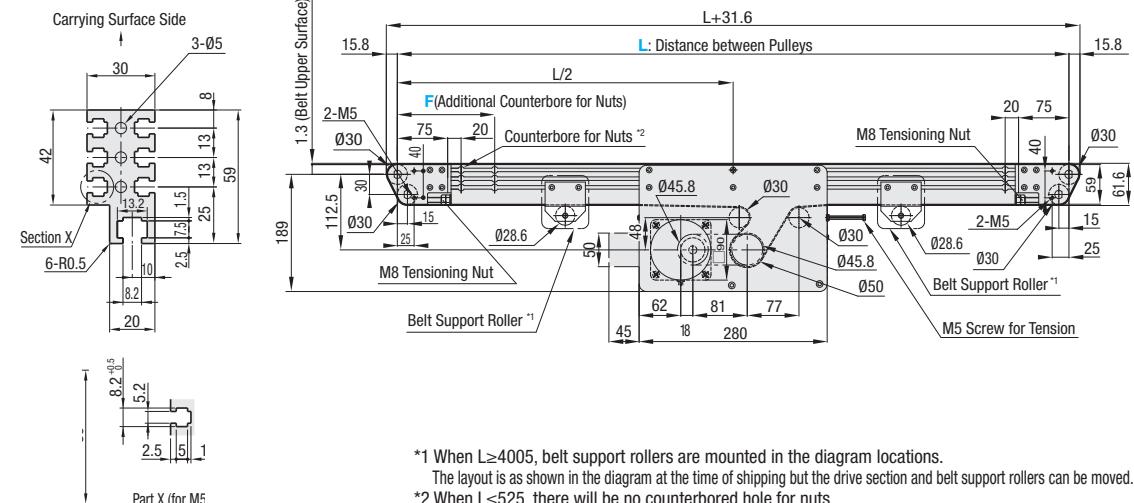
■ Features: Up to 90W, Medium distance (up to 6m) transfer suited conveyor. The belt with crosspiece prevents meandering, and the center drive is suitable for "Conveyor to Conveyor" transfer.



Frame	Motor Cover	Pulley Holder
Material	Aluminum	Steel
Surface Treatment	Clear Anodize	Paint

EN 1.0038 Equiv.

Frame Cross Section and Enlarged View (Symmetrical)



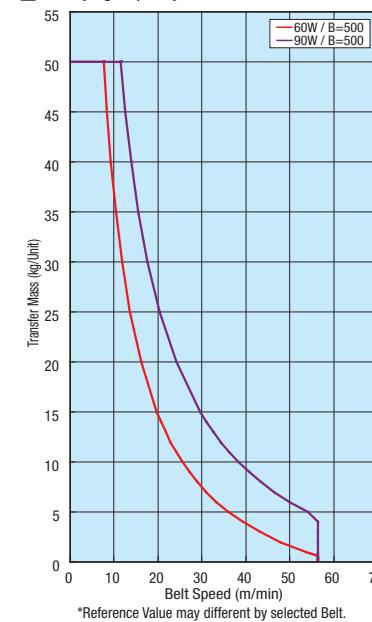
- *1 When $L \geq 4005$, belt support rollers are mounted in the diagram locations.
- The layout is as shown in the diagram at the time of shipping but the drive section and belt support rollers can be moved.
- *2 When $L \leq 525$, there will be no counterbored hole for nuts. However, each slot has 4 pre-inserted nuts provided.
- The dimensions in the diagram is for Belt Specifications H (0.8mm THK.). Take note that belt thickness varies by Belt Specifications. For Belt Specifications, see P1279~.

Compatible with JIS standard hex nuts.

Dimension Details

Output (W)	Motor		Reduction Ratio	A1	A2
	Specification	Manufacturer			
60W	Induction Motor	Panasonic	5~180	180.0	6
		Oriental	5~180	185.0	
	Variable Speed Motor	Panasonic	5~180	210.0	
		Oriental	5~180	215.0	
90W	Induction Motor	Panasonic	5~180	195.0	6
		Oriental	5~180	200.0	
	Variable Speed Motor	Panasonic	5~180	232.0	
		Oriental	5~180	230.0	

Conveying Capacity



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 Selection	L 5mm Increment	Output (W)	Voltage (V)	Motor		Gearhead Reduction Ratio	Belt Specification	F (Additional Counterbores 5mm Increment)	Motor Manufacturer Selection
					IM (Induction Motor)	SCM (Variable Speed Motor)				
CVSY	100 200 300 400 500	480~6000	60 90	TA230 (Single-phase)	5 18 25 60 150	7.5 75 90 100 180	9 36 100 120	H (General Purpose, Green) W (General Purpose, White) G (For Sliding, Green) S (For Sliding, White) D (For Electronic Parts Transfer) O (Oil Resistant) N (Non-adhesive) J (No Belt)	105< F < L-105 *When not specified, there will be no additional counterbores.	A (Panasonic Motor) B (Oriental Motor)
				NV (No Motor)	NM (No Motor)	NH (No Gearhead)				R (No Motor, Gearhead)

Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, see P.1267 onward. When $L \geq 2005$, customers are to assemble. Workpiece weighing over 10kg/unit might deform belt base plate.

When the unit length (L dim.) is 2000mm or less, this will be delivered complete. For a unit over 2000mm, the frame is delivered in sections and the customer is to assemble according to the included assembly instructions. The assembly procedure manual can also be downloaded from our Conveyor Selection web site. 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. Note that warpage might occur in meandering prevention crosspiece belts depending on the number of plies (thickness).

Belt Specification	Standard Belt (Body Price Only)	Optional Belt 1	Optional Belt 2	No Belt
General Purpose	H (Green), W (White)	-	-	
For Sliding	G (Green), S (White)	-	-	
Grip Type	-	-	GG (Green), GW (White)	
Oil Resistant	O (Green)	OW (White)	-	
Non-adhesive	N (White)	NB (Sky Blue), NBG (Lime Green) HH (Green), HW (White)	-	
For Food Transfer	-	KW (White), KSB (Sky Blue), PHB (Sky Blue)	-	
For Electronic Parts Transfer	D (Black)	-	-	

For flat belt details, see P.1279 onward.

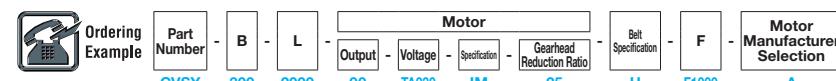
In case of selecting Optional Belts, please select motor manufacturer A or B (Motor C is applicable for Standard Belt only).

Part Number	B	Body Price 1 ~ 2 pc(s).																			
		L480-600	L605-800	L805-1000	L1005-1200	L1205-1400	L1405-1600	L1605-1800	L1805-2000	L2005-2200	L2205-2400	L2405-2600	L2605-2800	L2805-3000	L3005-3250	L3255-3500	L3505-3750	L3755-4000	L4005-4250	L4255-4500	L4505-5000
CVSY	100																				
	200																				
	300																				
	400																				
	500																				

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)	
		60W	90W	IM	SCM		

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



Ex.) For No Belt
CVSY-100-1000-60-TA230-SCM-25-J-F300-A
Ex.) For Optional Belt 2
CVSY-100-1000-60-TA230-SCM-25-GG-F300-B
Ex.) For No Motor, Gearhead
CVSY-100-1000-60-NV-NM-NH-H-F300-R

Body Price + Motor, Belt Spec. Price = Unit Price



Alterations

Specify Drive Section Position
Brackets for Speed Controller Included
Post-Assembly Insertion Nuts Included
Motors with Electromagnetic Brake
Stands (Legs)

For details of alterations, see P.1264 onward.