


Flat Belt Conveyor SV Series

Head Drive, 2-Groove Frame (Pulley Dia. 30mm)

CE Compliant


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

For part numbers enclosed with the  frame or marked with *, the Self Kit Conveyor service is applicable.

Dedicated web site <http://fa.misumi.jp/cvs/>
The above site can be used to search for Conveyor components and their maintenance parts.

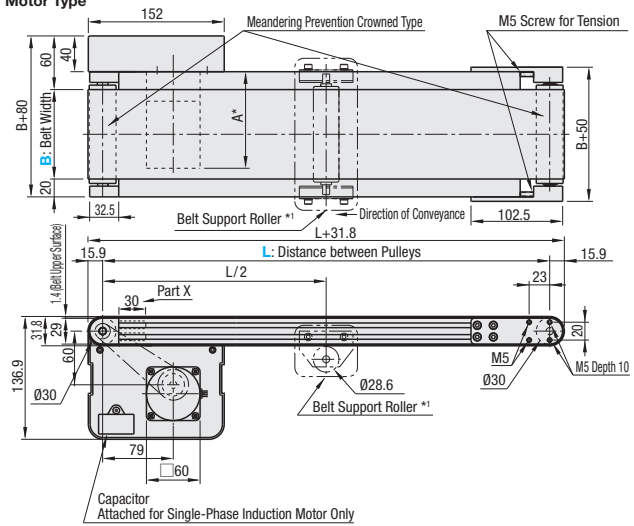


■ Features: Streamlined structuring has achieved the low cost starting around JPY30,000.



SVKA

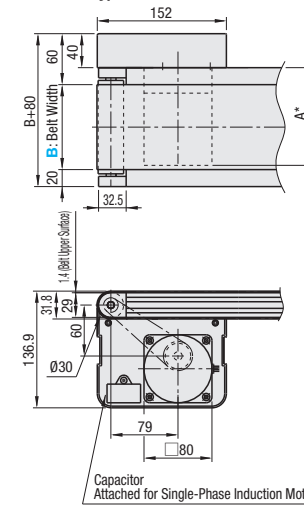
6W Motor Type



Meandering Prevention Crowned Type
M5 Screw for Tension
Belt Support Roller *1
Direction of Conveyance
L: Distance between Pulleys
Capacitor Attached for Single-Phase Induction Motor Only

* When L≥400, each slot has four (4) nuts inserted. When counterbores for inserting nuts are required, so specify in form of alteration ordering.
*1. When L≥2005, belt support rollers are mounted at these positions.
* 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--.
* The X section of the frame is used for pulley holder mounting. The nuts cannot be moved to this area.
* On some operating environments, conveyance failure may occur.

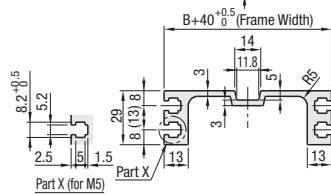
25W Motor Type



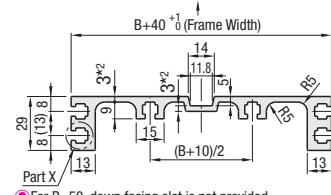
Capacitor Attached for Single-Phase Induction Motor Only

Frame Cross Section and Enlarged View (Symmetrical)

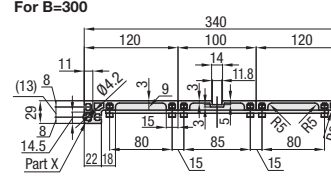
For B=50 Carrying Surface Side



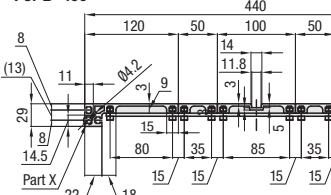
For B=100-250 Carrying Surface Side



For B=300



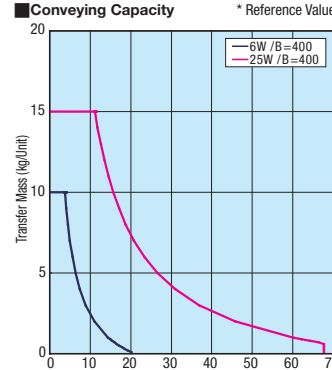
For B=400



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

Output (W)	Motor Specification	Manufacturer	Reduction Ratio	A
6W	Induction Motor	Panasonic	5-25	101.0
		Panasonic	30-180	108.0
		Oriental	5-25	105.0
	Variable Speed Motor	Taiwanese	30-180	115.0
		Panasonic	5-75	120.0
		Panasonic	90-180	127.0
25W	Induction Motor	Panasonic	5-25	111.0
		Panasonic	30-180	118.0
		Oriental	5-25	115.0
	Variable Speed Motor	Taiwanese	30-180	125.0
		Panasonic	5-75	127.4
		Panasonic	90-180	134.4

■ Conveying Capacity



* Reference Value

■ Gearhead Reduction Ratio

* May decrease depending on load condition.

Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
5	56.4	67.7
7.5	37.6	45.1
9	31.3	37.6
12.5	22.6	27.1
15	18.8	22.6
18	15.7	18.8
25	11.3	13.5
30	9.4	11.3
36	7.8	9.4
50	5.6	6.8
60	4.7	5.6
75	3.8	4.5
90	3.1	3.8
100	2.8	3.4
120	2.4	2.8
150	1.9	2.3
180	1.6	1.9

Part Number	B Selection	L 5mm Increment	Motor				Belt Specification	Motor Manufacturer Selection
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		
SVKA	50* 100* 150* 200 250 300*1 400*1	300 ~ 3000 (500* 800* 1000*)	6	TA115 (Single-phase)*	IM* (Induction Motor)	5 7.5 9 12.5 15	H (General Specifications, Green)* W (General Specifications, White) G (For Sliding, Green) S (For Sliding, White) D (For Electronic Parts Transfer) 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		SCM (Variable Speed Motor)	18 25 30 36 50 60 75 90 100 120 150 180		
			25	SA220 (3-Phase) SA230 (3-Phase)	IM (Induction Motor) INV (Induction Motor + Inverter)	*5-9 not applicable for 6W Motor *The Self Kit Conveyor alteration is not applicable for Gearhead reduction ratio 7.5, 100, and 150.		
	6	NV* (No Motor)	NM (No Motor)*	NH (No Gearhead)*				
	25							

- Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, 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.
- Part numbers marked with * are the ones with support for Self Kit Conveyor service.
- *1. When B = 300 or 400, Output = 6W and Gearhead Reduction Ratio = 12.5-30 are disabled.
- 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)	J (No Belt)
For Sliding	G (Green), S (White)	-	-	
For Inclined Transfer	LG (Green), LW (White)	-	-	
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)	
For Electronic Parts Transfer	D (Black), DS (Black)	-	DG (Black)	


- For flat belt details, see P.1313--.
- 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).																							
		L300-400	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	L2005-2200	L2205-2400	L2405-2600	L2605-2800	L2805-3000		
SVKA	50*																								
	100*																								
	150*																								
	200																								
	250																								
	300																								

- For orders larger than indicated quantity, please check with WOS.
- Prices indicated in red frames for L dimensions 500, 800, and 1000 are the prices calculated when the Self Kit Conveyor service is applied. For details, see P.1299.

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

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

Ordering Example:  Part Number - B - L - Motor - Belt Specification - Motor Manufacturer Selection

SVKA - 100 - 1000 - 25 - T100 - IM - 25 - H - C

Alterations

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

For details of Alterations, see P.1298--.

Flat Belt Conveyor SV Series

Center Drive, 2-Groove Frame (Pulley Dia. 30mm)

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.

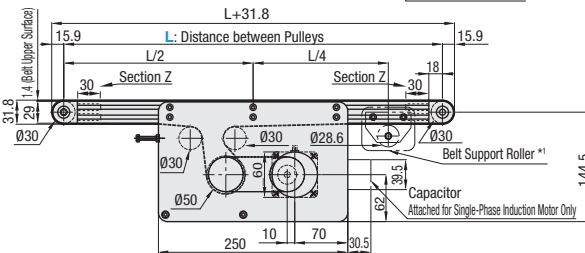
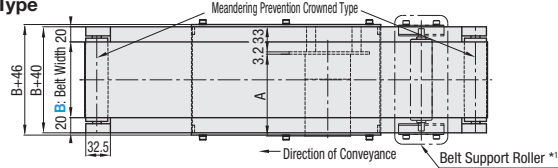


■ **Features:** Streamlined structuring has achieved the low cost. The center drive section is adjustable.



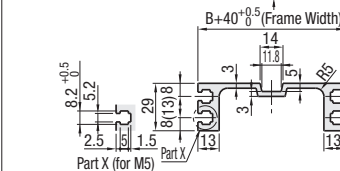
SVKN

6W Motor Type

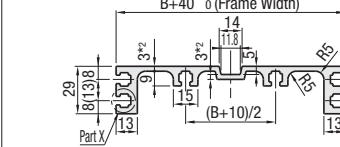


	Frame	Motor Cover (1)	Motor Cover (2)	Pulley Holder
M Material	Aluminum	Aluminum	SPCC	Aluminum
S Surface Treatment	Clear Anodize	Paint	Paint	Paint

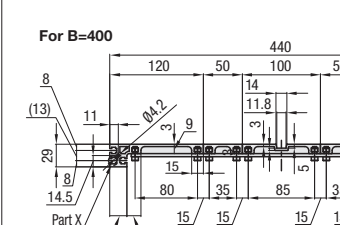
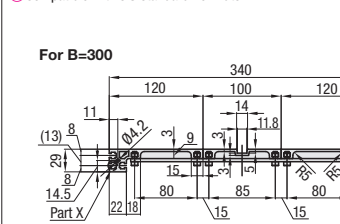
Frame Cross Section and Enlarged View For B=50



For B=100~250

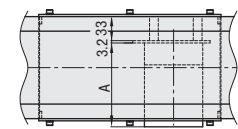


For B=300

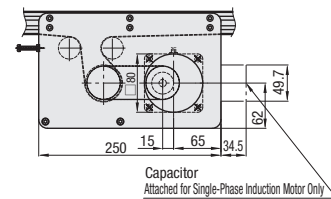


- * When L>490, each slot has four (4) nuts inserted. When counterbores for inserting nuts are required, so specify in form of alteration ordering.
- *1. When L>2005, belt support rollers are mounted at these positions.
- Ⓜ The dimensions in the diagram is for Belt Specification H (0.9mm THK). Note that belt thickness varies by Belt Specifications, see P1313--.
- Ⓜ The Z section of the frame is used for pulley holder mounting. The nuts cannot be moved to this area.
- Ⓜ On some operating environments, conveyance failure may occur.

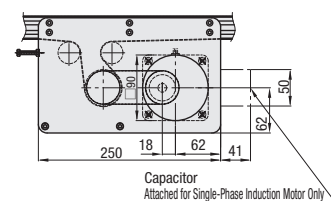
25W, 40W, 60W, 90W Motor Type



25W Motor Type



40W, 60W, 90W Motor Type

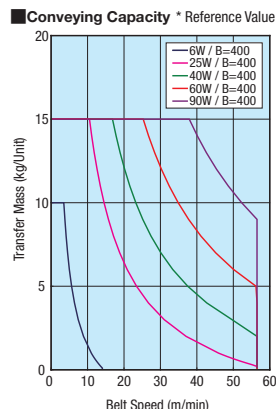


A Dimension (Motor Overall Length) Details

Output (W)	Motor Specification	Manufacturer	Reduction Ratio	A
6W	Induction Motor	Panasonic	5~25	101.0
			30~180	108.0
			5~25	105.0
		Oriental	30~180	115.0
			5~75	114.7
			90~180	120.7
	Variable Speed Motor	Panasonic	5~25	111.0
			30~180	118.0
			5~25	115.0
		Oriental	30~180	125.0
			5~75	126.9
			90~180	132.9
25W	Induction Motor	Panasonic	5~180	115.0
			5~18	117.0
			25~180	127.5
		Taiwanese	5~75	129.0
			90~180	136.0
			5~180	125.0
	Variable Speed Motor	Panasonic	5~18	127.0
			25~180	137.5
			5~75	139.5
		Taiwanese	90~180	146.5

Conveying Capacity * Reference Value

Output (W)	Motor Specification	Manufacturer	Reduction Ratio	A
40W	Induction Motor	Panasonic	5~180	142.0
			5~18	147.0
			25~180	165.0
		Taiwanese	5~75	161.6
			90~180	170.6
			5~180	152.0
	Variable Speed Motor	Panasonic	5~180	152.0
			25~180	175.0
			5~75	172.1
		Taiwanese	90~180	181.1
			5~180	180.0
			5~180	185.0
60W	Induction Motor	Panasonic	5~180	182.6
			5~180	191.6
			5~180	210.0
		Oriental	5~180	215.0
			5~75	194.6
			90~180	203.6
	Variable Speed Motor	Panasonic	5~180	195.0
			5~180	200.0
			5~75	195.6
		Taiwanese	90~180	204.6
			5~180	232.0
			5~180	230.0
90W	Induction Motor	Panasonic	5~180	209.6
			5~75	209.6
			90~180	218.6



Gearhead Reduction Ratio

Gearhead Reduction Ratio	Belt Speed (m/min) 50Hz	Belt Speed (m/min) 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	Motor				Belt Specification	Motor Manufacturer Selection		
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio				
SVKN	50 100 150 200 250	390~3000	6 25 40 60 90	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 Specifications, Green) W (General Specifications, White) G (For Sliding, Green) S (For Sliding, White) D (For Electronic Parts Transfer) 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 60 90	SA220 (3-Phase) SA230 (3-Phase)	IM (Induction Motor) INV (Induction Motor + Inverter)					
			40 60 90	TA115 (Single-phase)	IM (Induction Motor) SCM (Variable Speed Motor)					
			6 25 40 60 90	NV (No Motor)	NM (No Motor)				NH (No Gearhead)	
			50 100 150 200 250 300 400							

- Ⓜ Connect the motor so that the belt rotates in the direction of conveyance. For connection diagram, and details of motor and inverter, 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)	J (No Belt)
For Sliding	G (Green), S (White)	-	-	
For Inclined Transfer	LG (Green), LW (White)	-	-	
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)	
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)																							
		L390-400	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	L2005-2200	L2205-2400	L2405-2600	L2605-2800	L2805-3000		
SVKN	50																								
	100																								
	150																								
	200																								
	250																								
	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 INV		
60W 90W	IM SCM INV					

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

Ordering Example: **Part Number** - B - L - **Motor** - Output - Voltage - Specification - Gearhead Reduction Ratio - Belt Specification - **Motor Manufacturer Selection**

SVKN - 100 - 1000 - 25 - T100 - IM - 25 - H - C



Alterations

- Specify Drive Section Position
- Additional Counterbores
- Roller Edge
- Motor Cover with Window
- Brackets for Speed Controller Included
- Post-Assembly Insertion Nuts Included
- Motors with Electromagnetic Brake Stands (Legs)

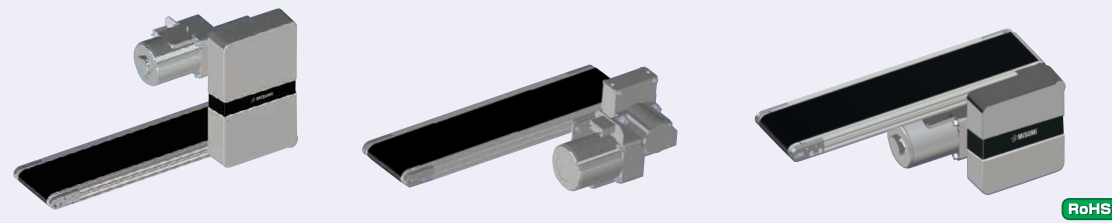
For details of Alterations, see P.1298--.

Flat Belt Conveyors - Motor Mounting Position Selectable

With Meandering Prevention Crosspiece, Head Drive, 2-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: The motor mounting position is selectable for either top mounting, bottom mounting, or side mounting. Adoption of orthogonal shaft gear head solves the mounting space issue. Meandering is prevented by crosspiece integrated belt.

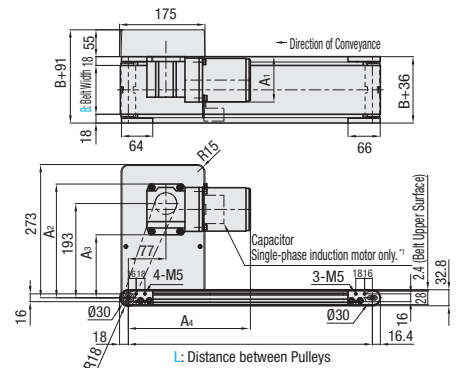


RoHS

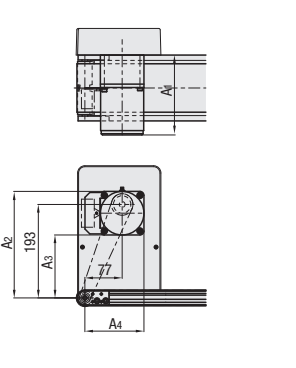
CVMB

Top Mount Type (TM)

Motor mounting position specifications for **TM1, TM2, and TM3**

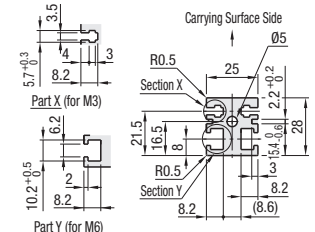


Motor mounting position specifications for **TM5**



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

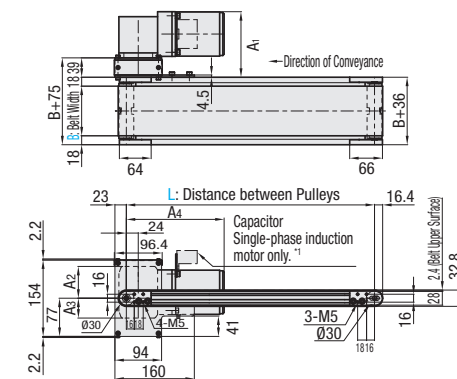
Frame Cross Section and Enlarged View (Symmetrical)



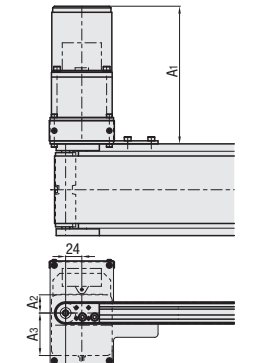
- Compatible with JIS standard hex nuts.
- Each slot has 4 pre-inserted nuts provided. When counterbores for inserting nuts are required, please specify in alterations.
- Capacitor is included with single-phase induction motors only. Capacitor mounting position can be arranged by the customer.
- The dimensions in the diagram is for Belt Specifications H (Ø.9mm THK.). Take note that belt thickness varies by Belt Specifications. For Belt Specifications, see P.1279.
- For relevant dimensions depending on motor mounting direction, and motor type, see P.1238.

Side Mount Type (SM)

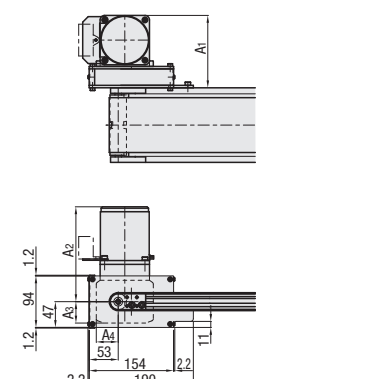
Motor mounting position specifications for **SM1 and SM3**



Motor mounting position specifications for **SM2 and SM4**

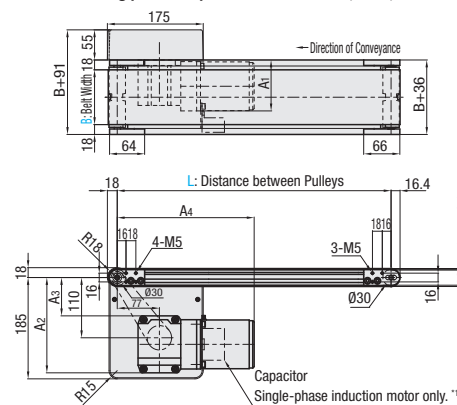


Motor mounting position specifications for **SM5**

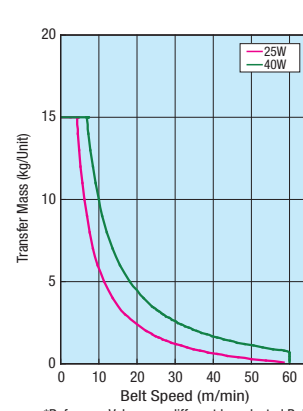


Bottom Mount Type (BM)

Motor mounting position specifications for **BM1, BM3, and BM4**



Conveying Capacity (TM, SM, BM)



Gearhead Reduction Ratio

*May decrease depending on load condition.

Gear Head Reduction Ratio	Belt Speed (m/min)		Belt Speed (m/min)	
	TM, BM	SM	TM, BM	SM
5	56.4	67.7	28.2	33.8
7.5	37.6	45.1	18.8	22.6
9	31.3	37.6	15.7	18.8
12.5	22.6	27.1	11.3	13.5
15	18.8	22.6	9.4	11.3
18	15.7	18.8	7.8	9.4
25	11.3	13.5	5.6	6.8
30	9.4	11.3	4.7	5.6
36	7.8	9.4	3.9	4.7
50	5.6	6.8	2.8	3.4
60	4.7	5.6	2.4	2.8
75	3.8	4.5	1.9	2.3
90	3.1	3.8	1.6	1.9
100	2.8	3.4	1.4	1.7
120	2.4	2.8	1.2	1.4
150	1.9	2.3	0.9	1.1
180	1.6	1.9	0.8	0.9

*Reference Value may differ by selected Belt.

Part Number	Type	Motor Mounting Position	B 10mm Increment	L 5mm Increment	Motor		Gearhead Reduction Ratio	Belt Specification	Motor Manufacturer Selection	
					Output (W)	Voltage (V)				
CVMB	TM1 SM1 BM1 TM2 SM2 TM3 SM3 BM3 SM4 BM4 TM5 SM5	* For details, see Motor Mounting Position Selection Table.	50~300	200~2000	25 40	T100 (Single-phase) T200 (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 Specifications, Green) W (General Specifications, White) G (For Sliding, Green) S (For Sliding, White) D (For Electronic Parts Transfer) F (For Food Transfer, White) O (Oil Resistant, Navy Blue) N (Non-adhesive, White) J (No Belt)	A (Panasonic Motor) B (Oriental Motor) * When output is 25, Panasonic Motor is not applicable.
						S200 (3-Phase)	IM (Induction Motor) INV (Induction Motor)			
						NM (No Motor)	NM (No Motor)	NH (No Gearhead)	* For other belt specifications, see Belt Selection Table below.	R (No Motor)

- 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 "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.
- A worm gear is used for orthogonal shaft gear head. Note, therefore, that the motor cannot be rotated from the belt side for maintenance work, etc.
- Note that warpage might occur in belts with meandering prevention crosspiece depending on the number of plies (thickness).

Motor Mounting Position Selection Table

Gearhead	Motor Mounting Position		
	Top Mount	Side Mount	Bottom Mount
Orthogonal Shaft			
Parallel Shaft			

* For relevant dimensions depending on motor mounting direction, and motor type, see P.1239.

Belt Selection Table

Belt Specification	Standard Belt (Body Price Only)	Optional Belt 1	Optional Belt 2	No Belt
General Purpose	H (Green), W (White)	-	-	J (No Belt)
For Sliding	G (Green), S (White)	-	-	
For Inclined Transfer	-	-	-	
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)	-	-	

* 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).																		
		L200-300	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	
CVMBTM	50-100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	110-150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	160-200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	210-250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CVMBBM	260-300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	50-100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	110-150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	160-200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CVMBSM	210-250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	260-300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Ordering Example: **Part Number** CVMB TM1 - 100 - 1000 - 25 - T100 - IM - 25 - H - A

Motor Spec. Price: 25W 40W IM SCM INV

Motor Output Specification: A (Panasonic Motor) B (Oriental Motor) R (No Motor, Gearhead)

Motor Position Selection: A (Panasonic Motor) B (Oriental Motor)

Mounting Position: A (Panasonic Motor) B (Oriental Motor)

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)

Alterations: Motor Spec. Price + Gearhead Spec. Price + Belt Spec. Price = Unit Price

Ex.) For Optional Belt 1 CVMBTM1-100-1000-40-T100-SCM-25-HY-A
Ex.) For No Motor, Gearhead CVMBTM5-100-1000-25-NM-NH-H-R


For details of alterations, see P.1264 onward.

Flat Belt Conveyor Short Length Type

With Meandering Prevention Crosspiece, Center Drive, 2-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.

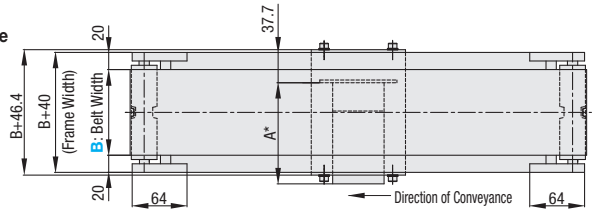
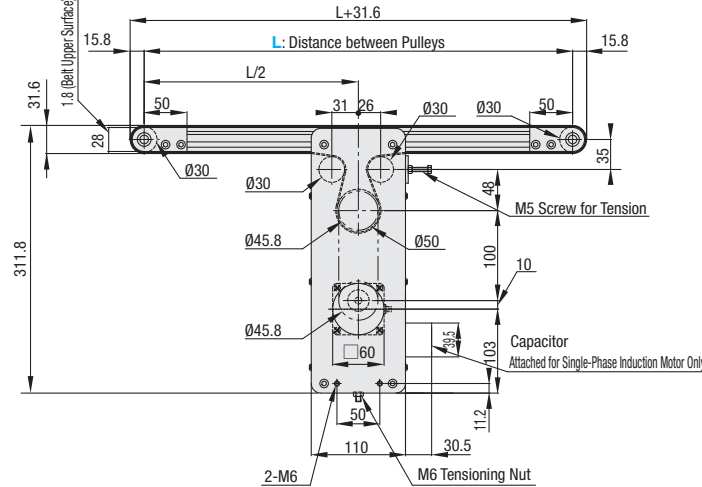
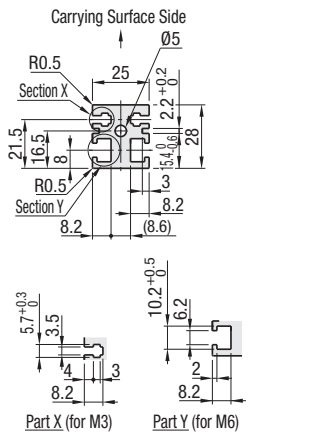
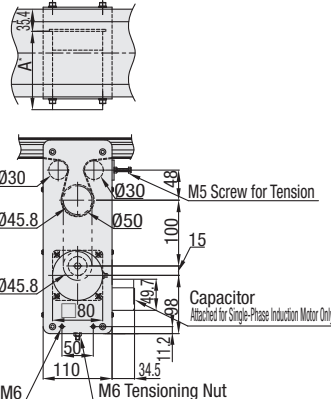
Features: A short length type suitable for inter-connection between conveyors and process sections. Meandering is suppressed by Crosspiece integrated belt.



CVSJA
6W Motor Type

RoHS

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

25W Motor Type

⚠ 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 P.1279-.

Compatible with JIS standard hex nuts.

Part Number	B 10mm Increment	L 5mm Increment	Motor				Belt Specification	Motor Manufacturer Selection <small>(The prices vary by manufacturer.)</small>
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		
CVSJA	50~300	220~600	6 25	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) O (Oil Resistant) N (Non-adhesive) J (No Belt)	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
			25	SA220 (3-Phase) SA230 (3-Phase)	IM (Induction Motor) INV (Induction Motor + Inverter)	⊗ 5-9 not applicable for 6W Motor		
			6 25	NV (No Motor)	NM (No Motor)	NH (No Gearhead)		*For belts other than the above, select from Belt Specification below.

⚠ 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 "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 belts with meandering prevention crosspiece 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)	-	-	J (No Belt)
For Sliding	G (Green), S (White)	-	-	
For Inclined Transfer	-	-	-	
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).														
		L220-250	L255-275	L280-300	L305-325	L330-350	L355-375	L380-400	L405-425	L430-450	L455-475	L480-500	L505-525	L530-550	L555-575	L580-600
CVSJA	50~100															
	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	IM		
25W	SCM					
25W	INV					

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

Ordering Example

Part Number - B - L - Motor - Belt Specification - Motor Manufacturer Selection

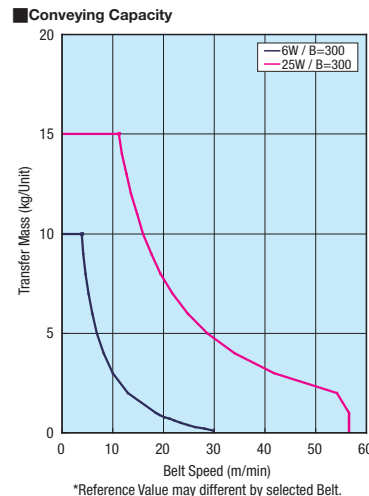
CVSJA - 100 - 500 - 25 - T100 - IM - 25 - H - C

Ex.) For No Belt CVSJA-100-500-25-T100-SCM-25-J-A
 Ex.) For Optional Belt 2 CVSJA-100-500-25-T100-SCM-25-HY-B
 Ex.) For No Motor, Gearhead CVSJA-100-500-25-NV-NM-NH-H-R

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

*** A Dimension Details**

Output (W)	Motor Specification	Manufacturer	Reduction Ratio	A	
6W	Induction Motor	Panasonic	12.5~25	101.0	
			30~180	108.0	
			12.5~25	105.0	
		Oriental	30~180	115.0	
			Taiwanese	12.5~75	117.0
				90~180	124.0
	Variable Speed Motor	Panasonic	12.5~25	111.0	
			30~180	118.0	
			Oriental	12.5~25	115.0
		30~180		125.0	
		Taiwanese		12.5~75	129.4
			90~180	136.4	
25W	Induction Motor	Panasonic	5~180	115.0	
			5~18	117.0	
			25~180	127.5	
		Oriental	5~75	129.0	
			Taiwanese	90~180	136.0
				5~180	125.0
	Variable Speed Motor	Panasonic	5~18	127.0	
			25~180	137.5	
			5~75	139.5	
		Taiwanese	90~180	146.5	



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

Specify Drive Section Position
 Alterations Brackets for Speed Controller Included
 Post-Assembly Insertion Nuts Included
 For details of alterations, see P. 1264 onward.

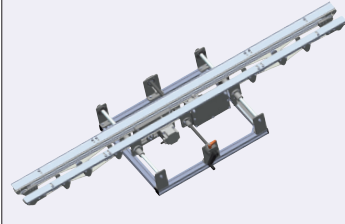
Timing Belt Conveyors - Belt Pitch Adjustable

Dual Track, Center Drive, 2-Slot Frame (Pulley Dia. 20mm)

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

Conveyor selecting, component purchases, and easy search for maintenance parts are available.

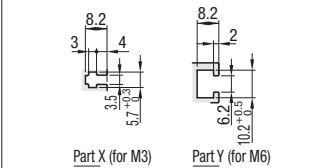
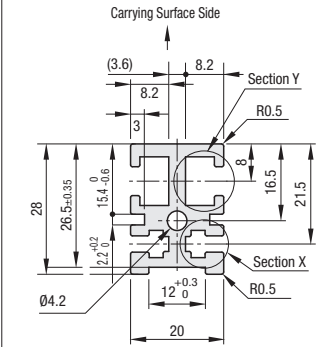
Features: Belt pitch is adjustable, which is suitable for conveying workpieces whose sizes vary from day to day, such as electronic substrates, palletes, etc.



RoHS

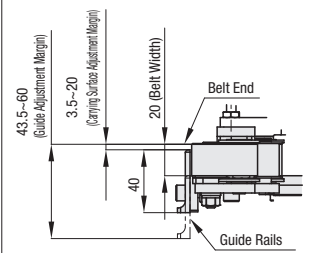
	Frame	Motor Cover ①	Motor Cover ②	Pulley Holder
M Material	Aluminum	Steel	SPCC	SS400
S Surface Treatment	Clear Anodize	Paint	Paint	Paint
A Accessory	Handle for Width Adjustment, Support Unit with Rotation Stopper			

Frame Cross Section and Enlarged View (Symmetrical)



Compatible with JIS standard hex nuts.

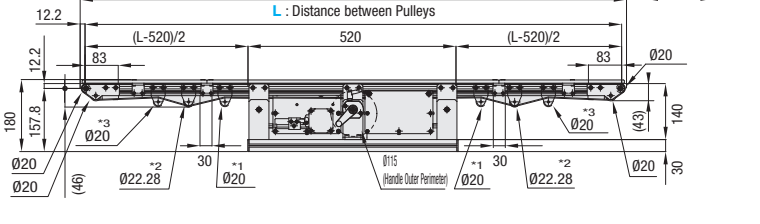
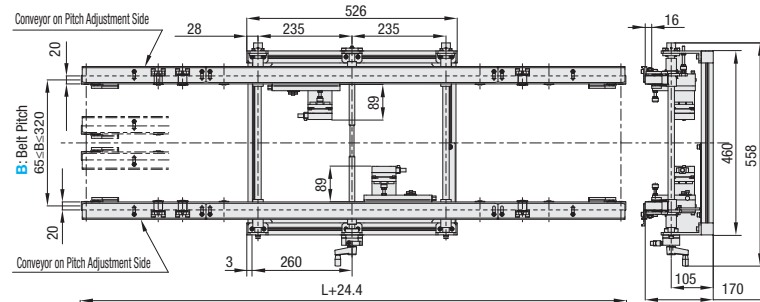
Enlarged View of Conveyor Guide



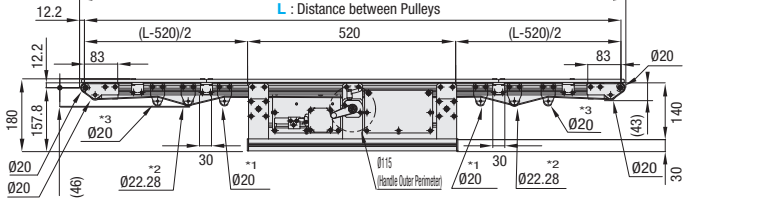
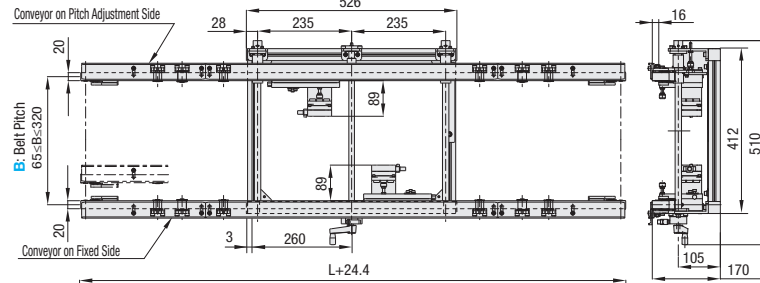
*Timing belts used are LTBJA for H (translucent), and LTBRA for S (green). For details, see P. 1473.
*Each slot has four (4) nuts inserted. When counterbores for inserting nuts are required, please specify in alterations.

*1 When $L \geq 1000$, four (4) belt support pulleys are mounted at the locations as shown in the diagram.
*2 When $L \geq 1500$, four (4) belt support pulleys are mounted at the locations as shown in the diagram.
*3 When $L \geq 2000$, four (4) belt support pulleys are mounted at the locations as shown in the diagram.

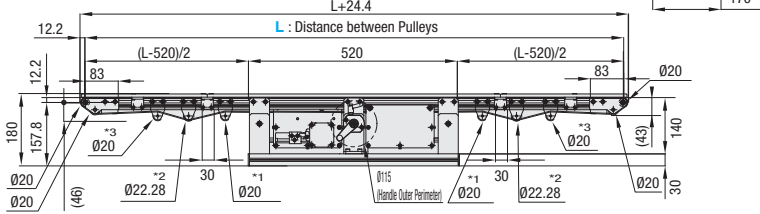
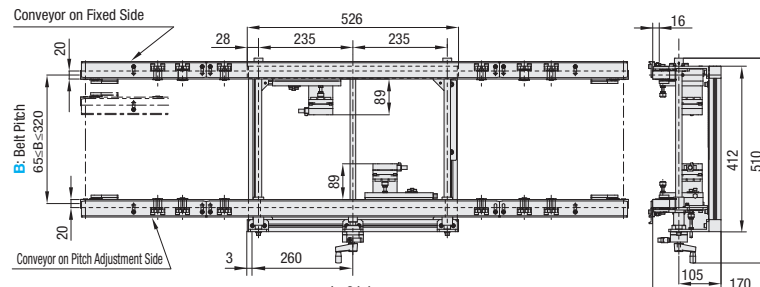
CVSTDC



CVSTDH



CVSTDR

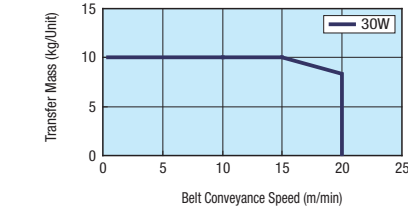


Part Number	B Selection	L 5mm Increment	Motor			Belt Specification	Motor Manufacturer Selection	
			Output (W)	Voltage (V)	Specification			
CVSTD	C (Center-referenced)	* Adjustable in a range of: $65 \leq B \leq 320$	30	T100 (Single-phase)	SCM (Variable Speed Motor)	5 10 15 20 30 50 100	H (Translucent, Antistatic)	B (Oriental Motor)
	T200 (Single-phase)			* DC Brushless Motor				
	H (Handle Side-referenced)			NV (No Motor)	NM (No Motor)	NH (No Gearhead)	S (Green, For Sliding)	R (No Motor, Gearhead)

- Conveyance is driven by two DC brushless motors. Determine the direction of conveyance by the settings of the speed controllers, which are included in each motor.
- Customers should adjust the conveyance speed by themselves, since each belt conveyor has an individual difference. Adjust the motor rotation speed so that the belt speeds on both sides are equal. For connection diagram, and motor details, see P. 1273.
- Please be aware, before selecting, that phase shifting may occur when turning the motor controller ON/OFF. For shifting amount, see the table below.
- Pitch adjustment and installing/removing of workguide are possible. Please use the workguide depending on the workpiece. Please be aware, before selecting, that contact of the workpiece and workguide may produce dust.
- For belt details, see P. 1279 onward.
- 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.

Gearhead Reduction Ratio	Belt Conveyance Speed (m/min)			
	Configured Motor Rotation Speed (RPM)			
	80	2000	3000	4000
5	1.6	40.0	60.0	80.0
10	0.8	20.0	30.0	40.0
15	0.5	13.3	20.0	26.7
20	0.4	10.0	15.0	20.0
30	0.3	6.7	10.0	13.3
50	0.2	4.0	6.0	8.0
100	0.1	2.0	3.0	4.0

Conveying Capacity



*Please note that the frame may deflect when centralized load is applied.

Phase Shifting Amount when Turning ON/OFF

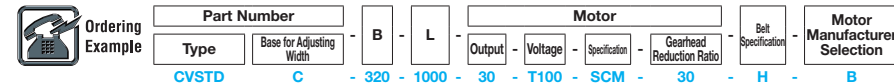
Conveyance Speed (m/min)	Distances of Phase Shifting (mm)
3	10
6	20
9	30
12	40

*This table shows distances of phase shifting which occurs when the controller is directly turned ON/OFF. When the signal from the controller to the motor is used to start/stop the controller, the distances of phase shifting will be one thousandth of that in the table.

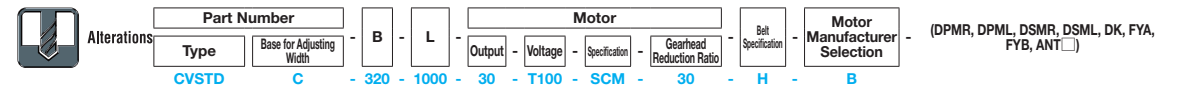
Part Number	B	Body Price 1 ~ 2 pc(s).												
		L800~900	L905~1000	L1005~1100	L1105~1200	L1205~1300	L1305~1400	L1405~1500	L1505~1600	L1605~1700	L1705~1800	L1805~1900	L1905~2000	
CVSTD	320													

For orders larger than indicated quantity, please request a quotation.

Motor, Belt Spec. Price	Motor Output	R (No Motor, Gearhead)	R (No Belt)
	30W		



Ex.) For No Belt CVSTDC-320-1000-30-T100-SCM-30-J-B → Body Price + Motor, Belt Spec. Price = Unit Price
Ex.) For No Motor, Gearhead CVSTDC-320-1000-30-NV-NM-NH-H-B →



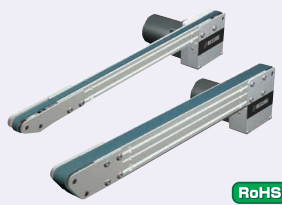
Alteration	Code	Spec.	Alteration	Code	Spec.
Position Indicator Mounting	DPMR, DPML, DSMR, DSML	Mount position indicator near the handle of trapezoidal screw for belt pitch adjustment. Ordering Code: DPMR *Trapezoidal screw becomes longer since the indicator is mounted.	Additional Counterbores	FYA, FYB	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. When $1000 \leq L < 1100$, $150 \leq FYA$ and $FYB \leq L - 150$ When $1100 \leq L$, $135 \leq FYA$ and $FYB \leq L - 135$ *When $L < 1000$, not applicable. Pitch adjustment section is not applicable.
Trapezoidal Screw Keyway Finish	DK	Change the tip of trapezoidal screw for belt pitch adjustment to keyway finish. Ordering Code: DK *Handle is not included.	Post-assembly Insertion Nuts included	ANT6	Post-assembly insertion nuts for MISUMI conveyor frame Slot are included. Material: SUS316 Equivalent, Sintered Ordering Code: ANT6-Q8-M4 *For details of post-assembly insertion nuts, see P. 1307.

Code	Nut Qty. Q	M	Accessory (1 pc.) Set Screw	A	B	T
ANT6 (For M8 Slot)	4	3		5.9	8	4.5
	8	4	M4x6			
	12	5				

Timing Belt Conveyors Narrow Type

Single Track, Head Drive, 2- / 3-Groove Frame (Pulley Dia. 19mm / 20mm)

■ Features: A slim width conveyor with 10mm, 20mm narrower belts. Space saving center drive mechanism is suitable for intra equipment applications and small parts transfers.



RoHS

	Frame	Motor Cover ①	Motor Cover ②	Pulley Holder
M Material	Aluminum	Steel	SPCC	SPCC
S Surface Treatment	Clear Anodize	Paint	Paint	Paint

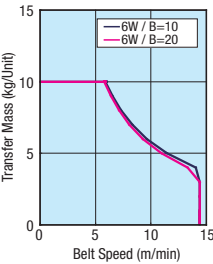
■ Gearhead Reduction Ratio

*May decrease depending on load condition.

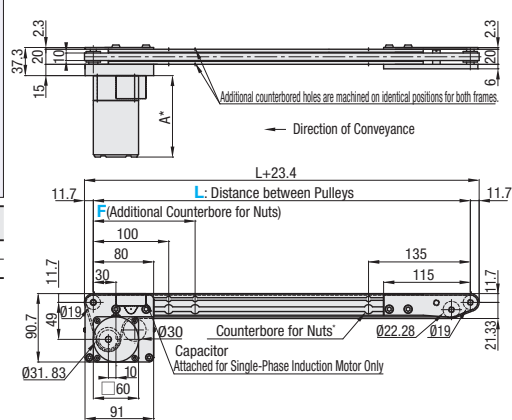
Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
12.5	12.0	14.4
15	10.0	12.0
18	8.3	10.0
25	6.0	7.2
30	5.0	6.0
36	4.2	5.0
50	3.0	3.6
60	2.5	3.0
75	2.0	2.4
90	1.7	2.0
100	1.5	1.8
120	1.3	1.5
150	1.0	1.2
180	0.8	1.0

■ Conveying Capacity

* Reference Value

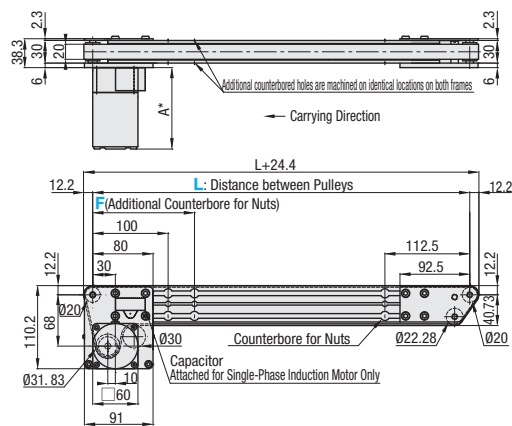


CVSTC-10

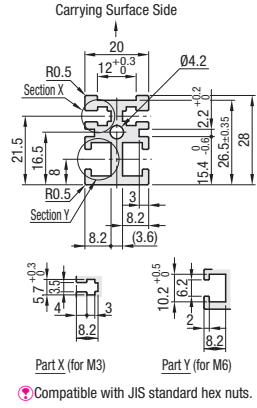


*When L<260, there will be no counterbored hole for nuts. However, each slot has 4 pre-inserted nuts provided.

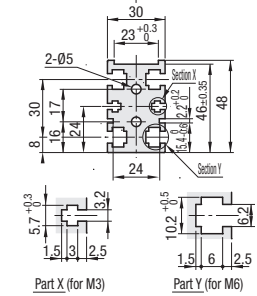
CVSTC-20



Frame Cross Section and Enlarged View (Symmetrical)



Compatible with JIS standard hex nuts.



Compatible with JIS standard hex nuts.

*Timing Belts used are T5 Type (P.1473 LTBRA, LTBJA). See product pages for details.

* A Dimension Details

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	
	Taiwanese 12.5-75	114.7	
	Taiwanese 90-180	120.7	
Variable Speed Motor	Panasonic 12.5-25	111.0	
	Panasonic 30-180	118.0	
	Oriental 12.5-25	115.0	
	Oriental 30-180	125.0	
	Taiwanese 12.5-75	126.9	
	Taiwanese 90-180	132.9	

Part Number	B Selection	L 5mm Increment	Motor		Gearhead Reduction Ratio	Belt Specification	F (Additional Counterbores) 5mm Increment	Motor Manufacturer Selection
			Output (W)	Voltage (V)				
CVSTC	10 20	245-2000	6	TA115 (Single-phase)	IM (Induction Motor)	12.5 15 18 25 30 36 50 60 75 90	H (General Purpose, Translucent) S (For Sliding, Green) J (No Belt)	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor) R (No Motor, Gearhead)
				TA230 (Single-phase)	SCM (Variable Speed Motor)			
				SA220 (3-Phase)	IM (Induction Motor)			
				SA230 (3-Phase)	INV (Induction Motor + Inverter)			
				NV (No Motor)	NM (No Motor)			

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. For belt details, see P.1279 onward.
 When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information on 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.

Body Price 1 - 2 pc(s).

Part Number	B	L245-300	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
CVSTC	10 20																		

For orders larger than indicated quantity, days to Ship and Price are to be quoted.

Price with Motor	Motor Output Specification	Motor				
		A (Panasonic Motor)	B (Oriental Motor)	C (Taiwanese Motor)	R (No Motor, Gearhead)	J (No Belt)
	6W					

Ordering Example: CVSTC - 10 - 1000 - 6 - T100 - IM - 25 - H - F500 - C

Motor Position Reversed
 Brackets for Speed Controller Included
 Post-Assembly Insertion Nuts Included
 Motor with Terminal Box

Alterations: For details of alterations, see P.1264 onward.

Ex.) For No Motor, Gearhead
 Ex.) For No Belt
 CVSTC-10-1000-6-NV-NM-NH-H-F300-R
 CVSTC-20-1000-6-T100-IM-30-J-C
 Body Price + Price with Motor + Belt Spec. Price = Unit Price

Timing Belt Conveyors Narrow Type

Single Track, Center Drive, 2- / 3-Groove Frame (Pulley Dia. 19mm / 20mm)

■ Features: A slim width conveyor with 10mm, 20mm narrower belts. Space saving center drive mechanism is suitable for "Conveyor to Conveyor" transfer applications and intra equipment applications.



RoHS

	Frame	Motor Cover ①	Motor Cover ②	Pulley Holder
M Material	Aluminum	Steel	SPCC	SPCC
S Surface Treatment	Clear Anodize	Paint	Paint	Paint

Calculation Formula for Belt Teeth:
 -CVSTR10: (2L+205) / 5
 -CVSTR20: (2L+230) / 5

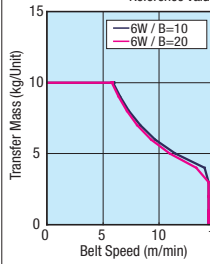
■ Gearhead Reduction Ratio

*May decrease depending on load condition.

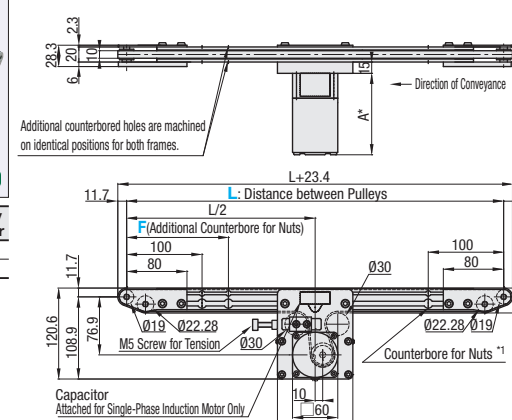
Gearhead Reduction Ratio	Belt Speed (m/min)	
	50Hz	60Hz
12.5	12.0	14.4
15	10.0	12.0
18	8.3	10.0
25	6.0	7.2
30	5.0	6.0
36	4.2	5.0
50	3.0	3.6
60	2.5	3.0
75	2.0	2.4
90	1.7	2.0
100	1.5	1.8
120	1.3	1.5
150	1.0	1.2
180	0.8	1.0

■ Conveying Capacity

* Reference Value

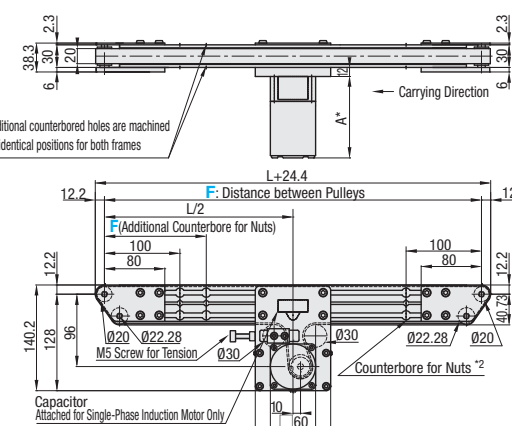


CVSTR-10



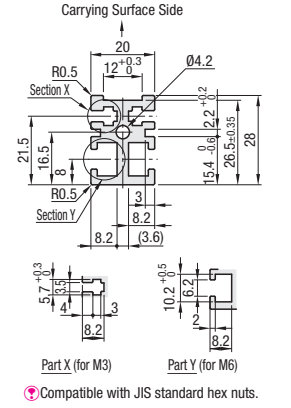
*1 When L<355, counterbores for the nuts will not be provided. However, each slot has 4 pre-inserted nuts provided.

CVSTR-20

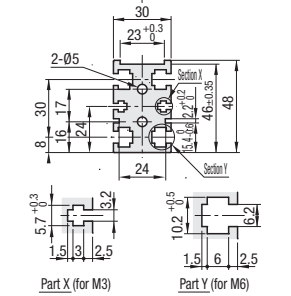


*2 When L<355, counterbores for the nuts will not be provided. However, each slot has 4 pre-inserted nuts provided.

Frame Cross Section and Enlarged View (Symmetrical)



Compatible with JIS standard hex nuts.



Compatible with JIS standard hex nuts.

*Timing Belts used are T5 Type (P.1473 LTBRA, LTBJA). See product pages for details.

* A Dimension Details

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	
	Taiwanese 12.5-75	114.7	
	Taiwanese 90-180	120.7	
Variable Speed Motor	Panasonic 12.5-25	111.0	
	Panasonic 30-180	118.0	
	Oriental 12.5-25	115.0	
	Oriental 30-180	125.0	
	Taiwanese 12.5-75	126.9	
	Taiwanese 90-180	132.9	

Part Number	B Selection	L 5mm Increment	Motor		Gearhead Reduction Ratio	Belt Specification	F (Additional Counterbores) 5mm Increment	Motor Manufacturer Selection
			Output (W)	Voltage (V)				
CVSTR	10 20	330-2000	6	TA115 (Single-phase)	IM (Induction Motor)	12.5 15 18 25 30 36 50 60 75 90	H (General Purpose, Translucent) S (For Sliding, Green) J (No Belt)	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor) R (No Motor, Gearhead)
				TA230 (Single-phase)	SCM (Variable Speed Motor)			
				SA220 (3-Phase)	IM (Induction Motor)			
				SA230 (3-Phase)	INV (Induction Motor + Inverter)			
				NV (No Motor)	NM (No Motor)			

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. For belt details, see P.1279 onward.
 When "No motor, gearhead" is selected, the motor mounting hole pitch will vary depending on the motor's power rating. Please see Technical Information on 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.

Body Price 1 - 2 pc(s).

Part Number	B	L330-400	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
CVSTR	10 20																	

For orders larger than indicated quantity, Days to Ship and Price are to be quoted.

Price with Motor	Motor Output Specification	Motor				
		A (Panasonic Motor)	B (Oriental Motor)	C (Taiwanese Motor)	R (No Motor, Gearhead)	J (No Belt)
	6W					

Ordering Example: CVSTR - 10 - 1000 - 6 - T100 - IM - 25 - H - F500 - C

Specify Drive Section Position
 Brackets for Speed Controller Included
 Post-Assembly Insertion Nuts Included
 Motors with Electromagnetic Brake
 Motor with Terminal Box

Alterations: For details of alterations, see P.1264 onward.

Ex.) For No Motor, Gearhead
 Ex.) For No Belt
 CVSTR-10-1000-6-NV-NM-NH-H-F300-R
 CVSTR-20-400-6-T200-IM-15-J-A
 Body Price + Price with Motor + Belt Spec. Price = Unit Price

Flat Belt Conveyor Motor Integrated Type

3-Groove Frame (Pulley Dia. 70mm)

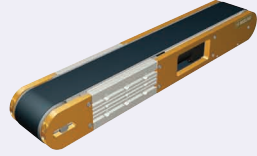
CE Compliant

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

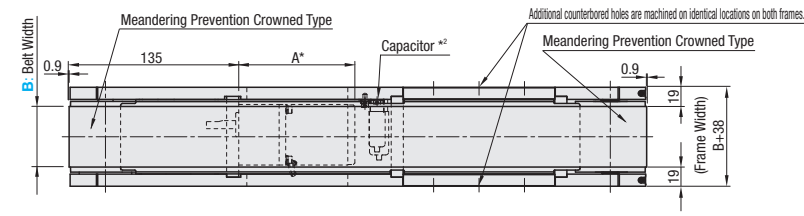


RoHS

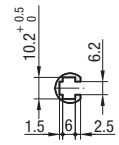
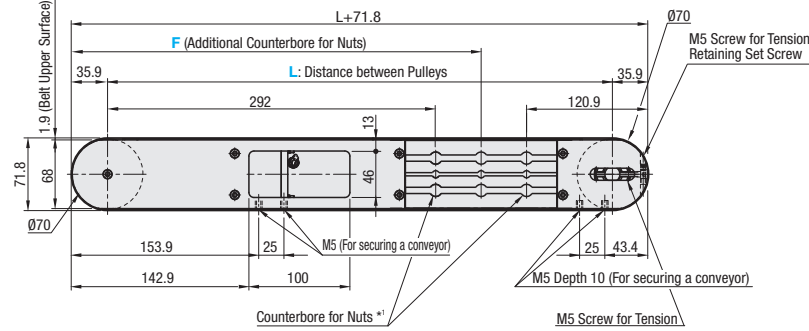
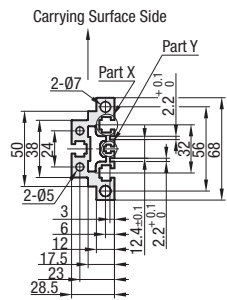
	Frame	Pulley Holder
M Material	Aluminum	A5052
S Surface Treatment	Clear Anodize	Gold Anodize

CVSMA

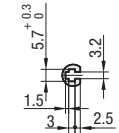
6W Motor Type



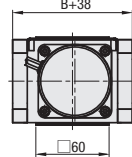
Frame Cross Section - Enlarged (Vertically Symmetrical)



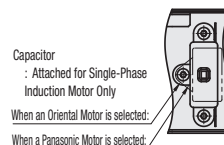
Part X (for M6)



Part Y (for M3)



Motor Mounting Details



Capacitor Mounting Details

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

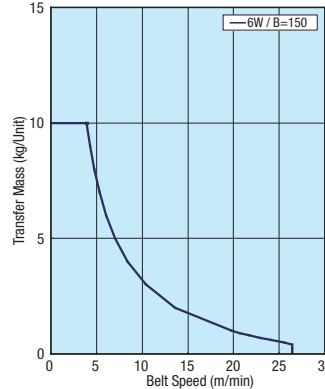
Compatible with JIS standard hex nuts.

- The dimensions in the diagram is for Belt Specification H (0.9mm THK.). Note that belt thickness varies by Belt Specifications, see P.1313--.
- On some operating environments, conveyance failure may occur.

* A Dimension (Motor Overall Length) Details

Motor		Reduction Ratio	A
Induction Motor	Panasonic	15-25	101.0
		30-180	108.0
	Oriental	15-18	105.0
		25-180	115.0
Variable Speed Motor	Panasonic	15-25	111.0
		30-180	118.0
	Oriental	15-18	115.0
		25-180	125.0

Conveying Capacity



Gearhead Reduction Ratio

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

Part Number	B Selection	L 5mm Increment	Motor			Belt Specification	F (Additional Counterbores) 5mm Increment	Motor Manufacturer Selection
			Output (W)	Voltage (V)	Specification			
CVSMA	60	415-2000	6	TA115 (Single-phase)	IM (Induction Motor) SCM (Variable Speed Motor)	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)	380 <math>F < L - 100</math> * When not specified, there will be no additional counterbores.	A (Panasonic Motor) B (Oriental Motor)
	100							
150								

- Connect the motor so that the belt rotates in the base direction of conveyance. For connection diagram and motor details, see P.1301--.
- 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.
- For Motor Manufacturer C (Taiwanese Motor), select either the H, W, G, S, D, F, O, N or J (No Belt) option.
- Purple Color Type of Belt is the Catalog Standard-Altered product. For details, see P.1313--.

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

- For flat belt details, see P.1313--.
- 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).																	
		L415-450	L455-500	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	
CVSMA	60																		
	100																		
	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	IM	SCM		

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

Ordering Example: CVSMA - 60 - 660 - 6 - T100 - IM - 36 - H - F400 - A



Alterations: Brackets for Speed Controller Included, Post-Assembly Insertion Nuts Included. For details of Alterations, see P.1298--.

Flat Belt Conveyors - Built-in Motor Type

2-Groove Frame (Pulley Dia. 32mm)

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: The unit height has been restrained with the built-in motor between frames; 53% lower than that of CVSMA, with the adoption of a compact type motor.

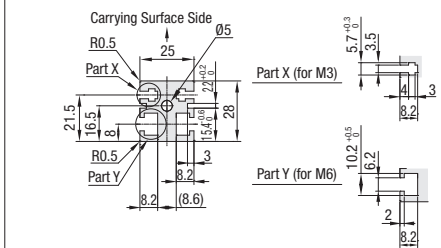
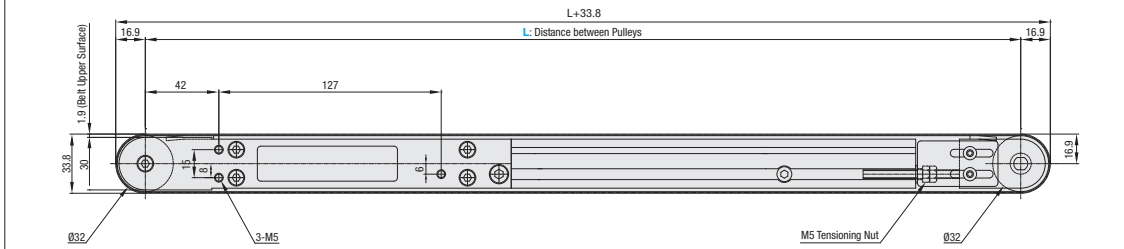
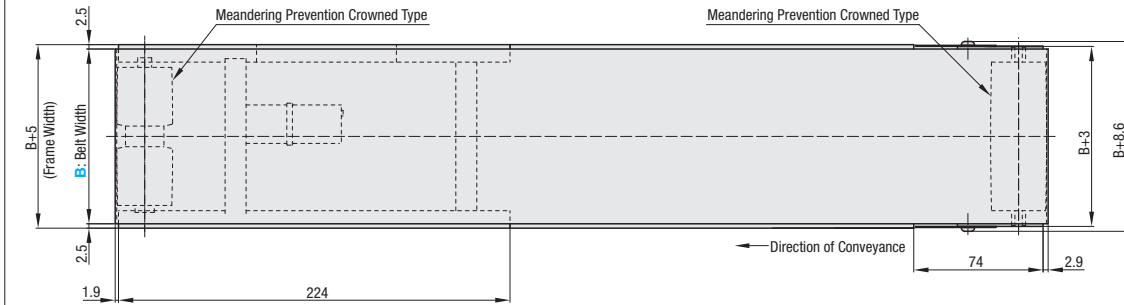
When it is necessary to operate a conveyor in a stand-alone state, select SWR (Include Switch Mode Power Supply) for Alteration.



CVSMB

RoHS

	Frame	Pulley Holder (1)	Pulley Holder (2)
M Material	Aluminum	Aluminum	SS400
S Surface Treatment	Clear Anodize	Painted	Trivalent Chromate



For motor manufacturer DA (TSUKASA ELECTRIC CO., LTD), service life of gear head will be about 300h (reference value). Note that this is not suitable for conveyance over an extended period of time.

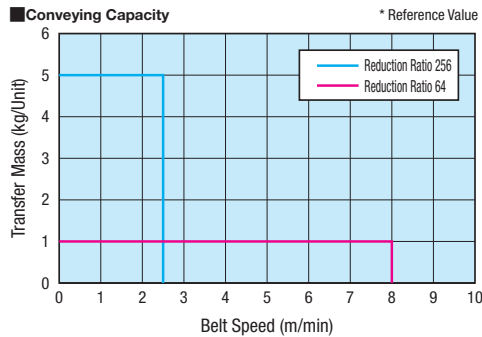
Motor gear head generates noise of about 60~80dB (reference value). Please be aware of this when you use it in a quiet environment.

When the motor specification ND (no motor driver) is selected, note that the motor used for this conveyor will not be driven without driver. When SCM (variable speed) is selected, the motor driver will be included.

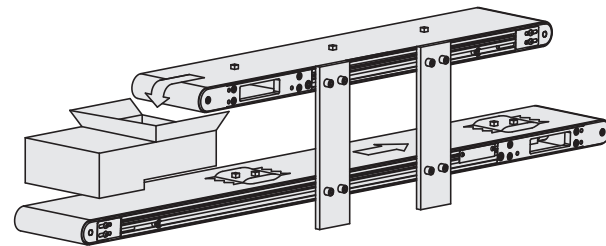
* Each slot has four (4) M6 nuts inserted. When L≤405, three (3) nuts are inserted. When counterbores for inserting nuts are required, so specify in form of alteration ordering.

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.



Example



Part Number	B 10mm Increment	L 5mm Increment	Motor				Belt Specification	Motor Manufacturer Selection
			Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio		
CVSMB	70~300	370~2000	3.5	DC24 (Direct Current)	SCM (Variable Speed) ND (No Motor Driver)	64 256	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)	DA (TSUKASA ELECTRIC CO., LTD)
				NV (No Motor)				

- 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.
- For motor manufacturer DA (TSUKASA ELECTRIC CO., LTD), service life of gear head will be about 300h (reference value). Note that this is not suitable for conveyance over an extended period of time.
- Motor gear head generates noise of about 60~80dB (reference value). Please be aware of this when you use it in a quiet environment.
- When the motor specification ND (no motor driver) is selected, note that the motor used for this conveyor will not be driven without driver. When SCM (variable speed) is selected, the motor driver will be included.
- If overload is applied to the motor shaft, the motor driver will stop the operation. When the operation of belt conveyor stops, please verify usage conditions.
- If you use the AC power supply (single-phase or 3-phase) to drive the conveyor, select SWR (Include Switch Mode Power Supply) for Alteration. For details of switch mode power supply, see P1310.
- Since the appropriate tension is looser than that for other models, an uplift of belt may occur in some portion of the carrying surface on a thin thickness belt. If a workpiece is extremely light, please be aware of this before selecting.
- For connection diagram, and details of motor and motor driver, see P1308.
- For Motor Manufacturer C (Taiwanese Motor), select either the H, W, G, S, D, F, O, N or J (No Belt) option.
- 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)	-	-	J (No Belt)
For Sliding	G (Green), S (White)	-	-	
For Inclined Transfer	-	-	-	
Grip Type	-	GG (Green), GW (White)	-	
Oil Resistant	O (Navy Blue), OH (Green), OG (Green)	OW (White)	-	
Non-adhesive	N (White), NS (White)	NB (Sky Blue), NBG (Lime Green), HH (Green), HW (White)	-	
For Food Transfer	F (White)	KW (White), KSB (Sky Blue)	-	
For Electronic Parts Transfer	D (Black), DS (Black)	-	-	

- For flat belt details, see P1313~.
- 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)																	
		L370~400	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	
CVSMB	70~100																		
	110~150																		
	160~200																		
	210~250																		
	260~300																		

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

Price with Motor	ND (No Motor Driver/With Motor, Gear Head)	R (No Motor, Gear Head, Motor Driver)
------------------	--	---------------------------------------

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



Ordering Example

Part Number - B - L - Motor - Belt Specification - Motor Manufacturer Selection

CVSMB - 100 - 1000 - 3.5 - DC24 - SCM - 256 - H - DA

When it is necessary to operate a conveyor in a stand-alone state, select SWR (Include Switch Mode Power Supply) for Alteration.



Alterations

Additional Counterbores
Post-Assembly Insertion Nuts Included
Switch Mode Power Supply Included

For details of Alterations, see P1298~.