

# Flat Belt Conveyor SV Series

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: Streamlined structuring has achieved the low cost. The center drive section is adjustable. The conveyor maintains good running straightness by the use of meandering prevention crosspiece to suppress lateral force induced meandering.



**SVKR**

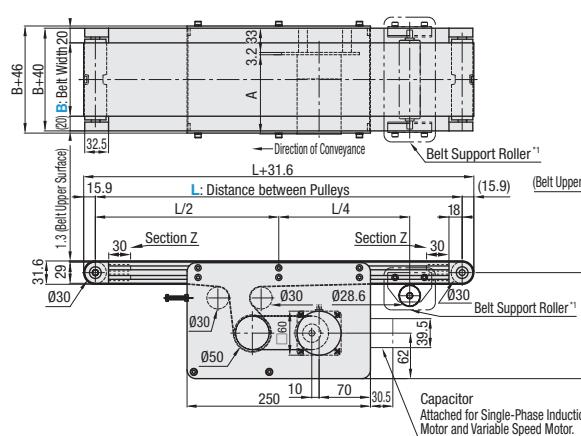
\*When  $L \geq 490$ , each slot has four (4) nuts inserted. When counterbores for inserting nuts are required, please specify in alterations.  
\*1 When  $L \geq 2005$ , belt support rollers are mounted at these positions.

† The dimensions in the diagram is for Belt Specification H (0.8mm THK). Take note that belt thickness varies by Belt Specifications.  
For Belt Specifications, see [P1279](#).

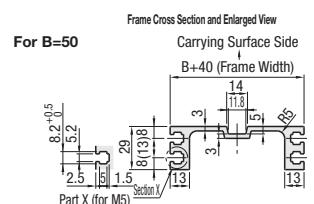
‡ The Z section of the frame is used for pulley holder mounting. The nuts cannot be moved to this area.

	Frame	Motor Cover ①	Motor Cover ②	Pulley Holder
M Material	Aluminum	Aluminum	EN 1.0330 Equivalent	Aluminum
S Surface Treatment	Clear Anodize	Paint	Paint	Paint

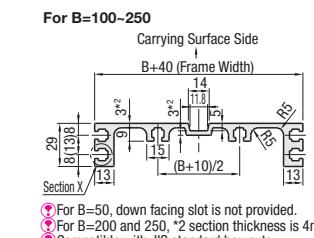
6W Motor Type



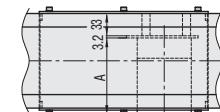
For B=50



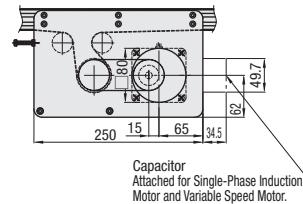
For B=100~250



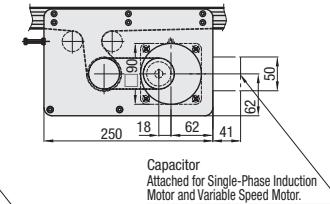
25W, 40W, 60W, 90W Motor Type



25W Motor Type



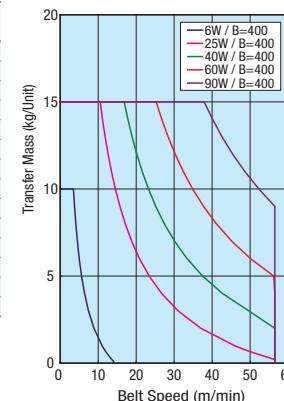
40W, 60W, 90W Motor Type



A Dimension Details

Output (W)	Motor		Reduction Ratio	A
	Specification	Manufacturer		
6W	Induction Motor	Panasonic	5~25	101.0
		Panasonic	30~180	108.0
		Oriental	5~25	105.0
	Variable Speed Motor	Panasonic	5~25	111.0
		Panasonic	30~180	118.0
		Oriental	5~25	115.0
25W	Induction Motor	Panasonic	5~180	115.0
		Oriental	5~18	117.0
		Panasonic	25~180	127.5
	Variable Speed Motor	Panasonic	5~180	125.0
		Panasonic	5~18	127.0
		Oriental	5~180	137.5

Conveying Capacity



\*Reference Value may differ by selected Belt.

Gearhead Reduction Ratio

\*Conveyance speeds are reference values 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
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

\*For motor specification SCM, this is adjustable up to  $(1/15) \times (\text{max. speed})$ .

The weight that can be conveyed decreases as the speed decreases.

Part Number	B Selection	L 5mm Increment	Motor			Gearhead Reduction Ratio	Belt Specification	Motor Manufacturer Selection
			Output (W)	Voltage (V)	Specification			
SVKR	50 100 150 200 250	390~3000	6 25 40 60 90	TA230	IM (Induction Motor) SCM (Variable Speed Motor)	5 7.5 9 12.5 15 180	H (General Specifications, Green) W (General Specifications, White) G (For Sliding, Green) S (For Sliding, White) D (For Electronic Parts Transfer) O (Oil Resistant, Navy Blue) N (Non-adhesive, White) J (No Belt)	*For belts other than the above, select from Belt Specification below.
			40 60 90	TA230	IM (Induction Motor) SCM (Variable Speed Motor)	5 7.5 9 12.5 15 180		
	300 400 50 100 150 200 250 300 400		6 25 40 60 90	NV (No Motor)	NM (No Motor)	NH (No Gearhead)		
			6 25 40 60 90	NV (No Motor)	NM (No Motor)	NH (No Gearhead)		
			6 25 40 60 90	NV (No Motor)	NM (No Motor)	NH (No Gearhead)		
			6 25 40 60 90	NV (No Motor)	NM (No Motor)	NH (No 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 "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).

† It is not recommended to use the conveyor while it is tilted, regardless of the belt specifications.

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 [P1279](#).

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

† Select a belt with a thickness of 1.0 mm or less for a motor output of 6 W.

Part Number	B	Body Price 1 ~ 2 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	L2605~2805	L2805~3000
SVKR	50																						
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