

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.

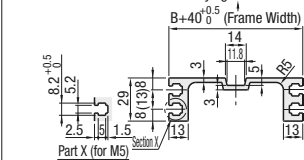


RoHS

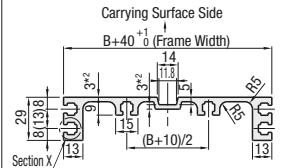
	Frame	Motor Cover①	Motor Cover②	Pulley Holder
M Material	Aluminum	Aluminum	Aluminum	Aluminum
S Surface Treatment	Clear Anodize	Paint	Paint	Paint

Frame Cross Section and Enlarged View

For B=50

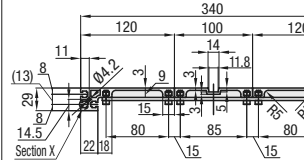


For B=100-250

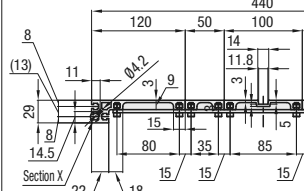


- For B=50, down facing slot is not provided.
- For B=200 and 250, *2 section thickness is 4mm.
- Compatible with JIS standard hex nuts.

For B=300

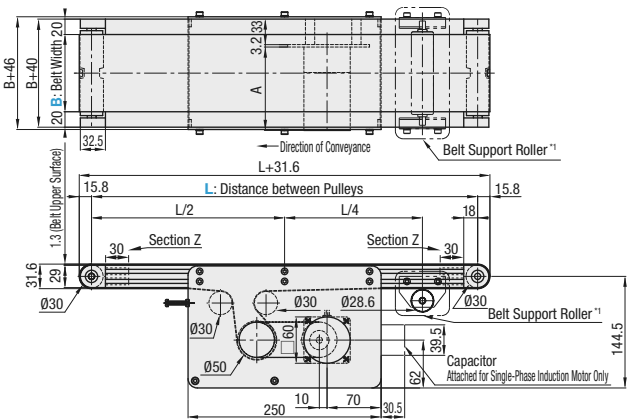


For B=400



SVKR

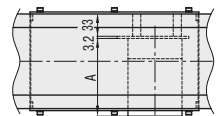
6W Motor Type



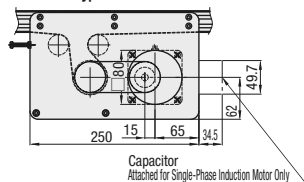
*When L>490, each slot has four (4) nuts inserted. When counterbores for inserting nuts are required, please specify in alterations.

- *1 When L>2005, belt support rollers are mounted at these positions.
- *2 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.
- *3 The Z section of the frame is used for pulley holder mounting. The nuts cannot be moved to this area.

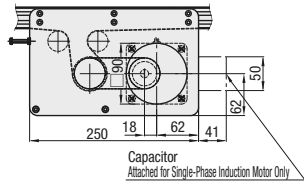
25W, 40W, 60W, 90W Motor Type



25W Motor Type



40W, 60W, 90W Motor Type

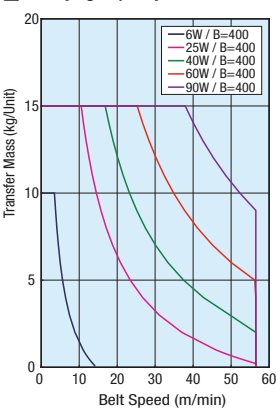


A Dimension Details

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

Output (W)	Motor Specification	Manufacturer	Reduction Ratio	A
40W	Induction Motor	Panasonic	5-180	142.0
			5-18	147.0
		Oriental	25-180	165.0
			5-75	161.6
		Taiwanese	90-180	170.6
	Variable Speed Motor	Panasonic	5-180	152.0
		Oriental	5-18	157.0
			25-180	175.0
		Taiwanese	5-75	172.1
			90-180	181.1
60W	Induction Motor	Panasonic	5-180	180.0
			5-180	185.0
		Taiwanese	5-75	182.6
			90-180	191.6
		Panasonic	5-180	210.0
	Variable Speed Motor	Panasonic	5-180	215.0
			5-75	194.6
		Taiwanese	90-180	203.6
			5-180	195.0
		Oriental	5-180	200.0
90W	Induction Motor	Panasonic	5-75	195.6
			90-180	204.6
		Oriental	5-180	232.0
			5-180	230.0
		Taiwanese	5-75	209.6
	Variable Speed Motor	Panasonic	90-180	218.6
			5-75	209.6
		Oriental	5-180	230.0
			5-75	209.6
		Taiwanese	90-180	218.6

Conveying Capacity



*Reference Value may be different by selected Belt.

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 Specification	Gearhead Reduction Ratio	Belt Specification	Motor Manufacturer Selection
SVKR	50 100 150 200 250	390-3000	6 25 40 60 90	TA230 (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) O (Oil Resistant, Navy Blue) N (Non-adhesive, White) J (No Belt)	A (Panasonic Motor) B (Oriental Motor) C (Taiwanese Motor)
	300 400		40 60 90	TA230 (Single-phase)	IM (Induction Motor) SCM (Variable Speed Motor)	*5-9 not applicable for 6W Motor	*For belts other than the above, select from Belt Specification below.	R (No Motor, Gearhead)
	50 100 150 200 250 300 400		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).

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).

Part Number	B	Body Price 1 ~ 2 pc(s).															
SVKR	50	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
	100																
	150																
	200	-															
	250	-	-														
	300	-	-	-													
	400	-	-	-	-												

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 60W 90W	IM SCM IM SCM				

Belt Spec. Price	Standard Belt	Optional Belt 1	Optional Belt 2	No Belt
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Ordering Example: **Part Number** - B - L - **Motor** - **Belt Specification** - **Motor Manufacturer Selection**

SVKR - 100 - 1000 - 25 - TA230 - IM - 25 - H - C

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

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



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. 1264 onward.