Flat Belt Conveyor SV Series

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.

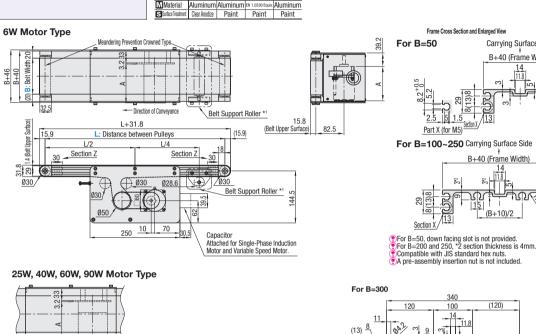


Features: Streamlined structuring has achieved the low cost. The center drive section is adjustable.

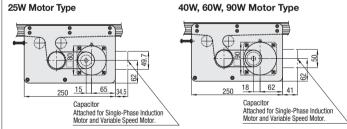


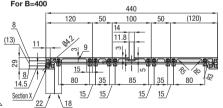
- "When L≥490, each slot has four (4) nuts inserted. When counterbores for inserting nuts are required, please specify in alterations. *1 When L≥2005, belt support rollers are mounted at these positions.
- The dimensions in the diagram is for Belt Specifications H (0.9mm THK.), Take note that belt thickness 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
Material	Aluminum	Aluminum	EN 1.0330 Equiv.	Aluminum
Confess Tourisment	Nana Annalina	Deint	Deint	Deint









■Conveying Capacity

30 40

Part X (for M5)

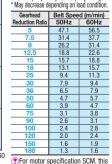
Α	Dimensi	on De	etails

Output	Mo	tor	Reduction	A Output		Mot	or	Reduction	Α	
(W)	Specification	Manufacturer	Ratio	A	(W)	Specification	Manufacturer	Ratio	_ ^	
		Panasonic	5~25	101.0			Panasonic	5~180	142.0	
	Induction Motor	Panasonic	30~180	108.0		Induction Motor	Oriental	5~18	147.0	
	induction Motor	Oriental	5~25	105.0	40W		unentai	25~180	165.0	
6W		Unentai	30~180	115.0	40W		Panasonic	5~180	152.0	
ьw	Variable Speed Motor		D	5~25	111.0		Variable Speed Motor	Oriental	5~18	157.0
		Panasonic	30~180	118.0			Oriental	25~180	175.0	
		Oriental	5~25	115.0	60W	Induction Motor	Panasonic	5~180	180.0	
		Unemai	30~180	125.0			Oriental	5~180	185.0	
		Panasonic	5~180	115.0	OUW	Variable Speed	Panasonic	5~180	210.0	
	Induction Motor	Oriental	5~18	117.0		Motor	Oriental	5~180	215.0	
25W		Unemai	25~180	127.5		Induction Motor	Panasonic	5~180	195.0	
ZOW		Panasonic			IIIUUGUUN MOTOF	Oriental	5~180	200.0		
	Variable Speed Motor	Oriental	5~18 127.0 Variable Speed	Variable Speed	Panasonic	5~180	232.0			
		Unental	25~180	137.5		Motor	Oriental	5~180	230.0	

■Gearhead Reduction Ratio Conveyance speeds are reference values -6W / B=400 -25W / B=400 -40W / B=400 -60W / B=400 -90W / B=400 based on IM (motor rotational speed 1,500 rpm [50 Hz]/1,800 rpm [60 Hz]).

Carrying Surface Side B+40 (Frame Width)

B+40 (Frame Width)



Belt Speed (m/min) is adjustable up to (1/15) × (max.
*Reference Value may different by selected Belt. speed). The weight that can be conveyed decreases as the speed

Part	В	L			Motor			Motor Manufacturer
Number	Selection	5mm Increment	Output (W)	Voltage (V)	Specification	Gearhead Reduction Ratio	Belt Specification	Selection The prices vary by manufacturer.
	50 100 150 200 250		6 25 40 60 90	TA230 (Single-phase)	(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)	
SVKN	300 400		40 60 90	TA230 (Single-phase)	(Induction Motor) SCM (Variable Speed Motor)	⊗5~9 not applicable for 6W Motor	D (For Electronic Parts Transfer) F (For Food Transfer, White) O (Oil Resistant, Navy Blue) N (Non-adhesive, White) J (No Belt) *For belts other than the above, select from Belt	B (Oriental Motor)
	50 100 150 200 250 300 400		6 25 40 60 90 NV (No Motor)		NM (No Motor)	NH (No Gearhead)	Specification 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 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.
- Numben "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.
- 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), HG (Green)	-	HY (Yellow Green), HBN (Sky Blue)	
For Sliding	G (Green), S (White)	-	-	
For Inclined Transfer	LG (Green), LW (White) -		-	
Grip Type	-	GG (Green), GW (White)	GSN (Green)	J
Oil Resistant	O (Navy Blue), OH (Green), OG (Green)	OW (White)	ON (White)	(No Belt)
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 (Sky Blue), KWN (White)	
For Electronic Parts Transfer	D (Black), DS (Black)	-	DG (Black)	

- Tor flat belt details, see P.1279 onward.
- In case of selectiong 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											Body	Price	1~2	oc(s).									
Number	В	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
	50																						
	100																						
	150	-	-																				
SVKN	200	-	-	-																			
	250	-	-	-	-	-																	
	300	-	-	-	-	-	-																
	400	-	-	-	-	-	-																

For orders larger than indicated quantity, please check with WOS

	Motor Output	Specification	A (Panasonic Motor)	B (Oriental Motor)	R (No Motor, Gearhead)
	6W 25W	IM			
Motor Spec. Price	40W	SCM			
оросс	60W	IM			
	90W	SCM			

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



Ex.) For No Belt SVKN-100-1000-25-TA230-SCM-25-J-A Ex.) For Optional Belt 2

Ex.) For No Motor, Gearhead

- SVKN-100-1000-25-TA230-SCM-25-HY-B SVKN-100-1000-25-NV-NM-NH-H-R

Machine Weight (With a Motor Output of 6 W) *Reference values (may vary depending on motor manufacturer)(kg

Belt Width Distance Between Pulleys L (mm)

	Alte

Specify Drive Section Position terations

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.

*When the motor output is 25 W, add 1.1 kg. *When the motor output is 40 W, add 2.1 kg. *When the motor output is 60 W, add 3.1 kg. *When the motor output is 90 W, add 3.6 kg.