Flat Belt Conveyor GV Series Full Belt Type

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

■ Features: Conveyor with a full-width belt that enables almost the entire surface to be used for transporting. The drive section is more compact in comparison to CVSFA.

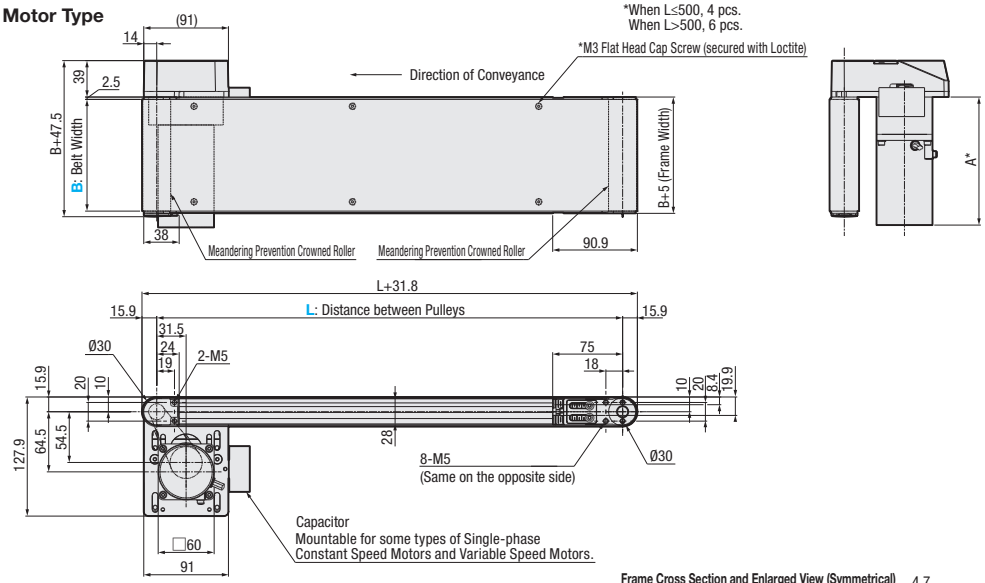
*Taiwanese Motors are not RoHS compliant.

GVFA

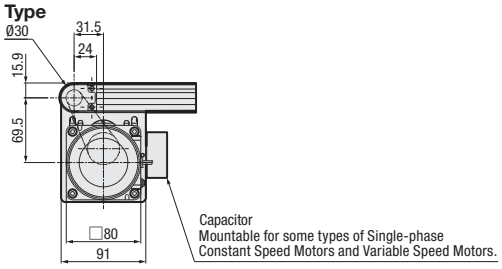
- Each slot has 4 nuts inserted.
- The dimensions in the diagram is for Belt Specification H (which has a belt thickness of 0.9mm). Note that the belt thickness varies depending on belt specifications.
- When L≥1,400, it is recommended to mount on at least 2 stands.

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

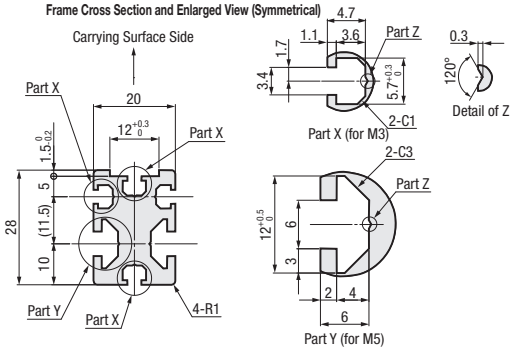
6 W Motor Type



25 W Motor Type



Frame Cross Section and Enlarged View (Symmetrical)

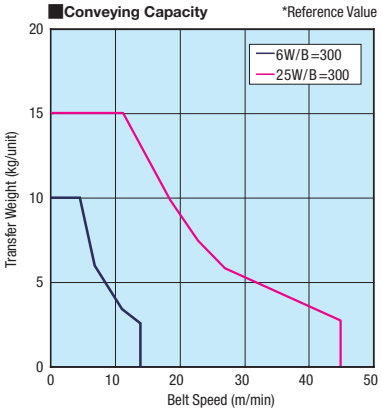


*A Dimension (Motor Overall Length) Details

Output (W)	Motor Specifications	Motor Manufacturer	Reduction Ratio	A
6 W	Constant speed motor	Oriental	25~180	115.0
		Taiwanese	25~75	114.7
			90~180	120.7
	Variable speed motor	Oriental	25~180	125.0
		Taiwanese	25~75	126.9
			90~180	132.9
25 W	Constant speed motor	Panasonic	5~180	115.0
		Oriental	5~18	117.0
			25~180	127.5
		Taiwanese	5~75	129.0
			90~180	136.0
	Variable speed motor	Oriental	5~18	127.0
			25~180	137.5
		Taiwanese	5~75	139.5
			90~180	146.5

■Conveying Capacity

*Reference Value



- For accumulation conveyance (only compatible with sliding belts), consider conveying capacity to be no more than 1/2 of that shown in the graph.
- Conveying capacity may vary depending on operating conditions.
- This graph shows conveying capacity when level.

■Gearhead Reduction Ratio

*Reference Value

*Conveyance speed reference values are 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	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

- For motor specification IM, the above conveyance speeds are constant speeds.
- For motor specification SCM, refer to the above values for the maximum speed.
- Motor specification SCM is adjustable up to (1/15) × (max. speed). The weight that can be conveyed decreases as speed decreases.