

user input

item	input value	unit
power transmission (Pt) *Calculated by rated power of the motor or actual load applied on the belt	<input type="text" value="150"/>	W ▾
rotation frequency driving side(input side)	<input type="text" value="1000"/>	rpm
rotation frequency driven side (output side)	<input type="text" value="1000"/>	rpm
center-to-center distance (temporary C')	<input type="text" value="100"/>	mm
overload factor(Ks)	<input type="text" value="1"/> <input type="button" value="selection"/>	
Search priority	<input type="text" value="Low price"/> ▾ <input type="button" value="automatic"/> <input type="text" value="Low price"/> <input type="text" value="Fast delivery time"/>	


Enter the pulley rotation speed for the driving side and the driven side.

Enter the distance between the pulleys on the driving side and the driven side.

Searchable, even if no input is made on the above fields.

Information about how to specify the criteria for the overload factor is provided on the following pages.

Step 1: Click the “selection” button on the “overload factor” field.

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item	input value	unit
power transmission (Pt) *Calculated by rated power of the motor or actual load applied on the belt	150	W ▾
rotation frequency driving side(input side)	1000	rpm
rotation frequency driven side (output side)	1000	rpm
center-to-center distance (temporary C')	100	mm
overload factor(Ks)	<input type="text"/> selection	
Search priority	Low price ▾	

Step 2: Click the radio button next to your desired belt type.

Then, click .

<input type="radio"/>	MXL/XL/L/H	JIS standard. Measurement equipment and medical equipment, and are used in a wide range of fields such as elevator.
<input type="radio"/>	S□M/MTS□	Mitsubishi Belting standards. Similarly JIS standard, and are used in a wide range of fields.
<input type="radio"/>	T□/AT□	JIS standard. Are often used for transport purposes.
<input type="radio"/>	P□M/UP□M	Tsubakimotochein standards. Used in the prime mover (such as automobiles).
<input checked="" type="radio"/>	2GT/3GT	Gates Yunitta standard. And is used for small devices such as printers and textile machinery.
<input type="radio"/>	EV5GT/EV8YU	Gates Yunitta standard. Positioning at large such as injection molding machine and packing machine is used in the apparatus necessary.

Step 3: On each of 1 through 5 columns, select the value that matches your search criteria. If any desired value cannot be found on these columns, click Back to go back to the previous page and then, try to select the other belt type. When you click , the value in the box next to this button will be dispersed in applicable field on the original user input page.

Load correction coefficient (K_o)

1.Example

- Office equipment (example: printer, fax, copy machine)
- Home Appliances (example: Juicers)
- Home Appliances (example: vacuum cleaner)
- Vending machine (example: Currency Exchange machines, ticket vending machines, ticket machines and bank counters machine)
- Food Machinery (example: bread making machine)
- Food and pharmaceutical and medical equipment (example: mixer granulator)
- Food and pharmaceutical and medical equipment (example: centrifuge)
- Food and pharmaceutical and medical equipment (example: Medical instruments and measuring machine)
- Machine tools (example: drilling machine, lathe)
- Machine tools (example: grinding machine, milling machine)
- Machine tools (example: wood lathe)
- Printing and bookbinding (example: printing machine, binding machine cutter)
- Textile Machinery (example: loom spinning)
- Sewing machine (example: household sewing machines)
- Sewing machine (example: industrial sewing machines)
- Belt conveyor for light material.
- Packaging machine packing machine
- Film wire making machine (example: calendar extruder)
- Film wire making machine (example: Made winding machine, wiredrawing machine, stranding machine)

2.Peak output / basic output

- Max. output not exceeding 150% of rated value
- Max. output exceeding 150% of rated value but not exceeding 250% of rated value.
- Max. output exceeding 250% of rated value

3.Corrrection Coefficient at Acceleration (K_r)

- 1.00 to 1.25
- 1.25 to 1.75
- 1.75 to 2.50
- 2.50 to 3.50
- 3.50 or more

4.idler correction factor (K_i)

- Idler is inside of the belt loop and at loose side of the loop.
- Idler is outside of the beltloop and at loose side of the loop.
- Idler is inside of the belt loop and at tight side of the loop.
- Idler is outside of the belt loop and at tight side of the loop.

5.Corrrection Coefficient Table

- less than 10 hours (daily)
- 10 to 16 hours (daily)
- 16 to 24 hours (daily)
- 300 hours or less a year (seasonal operation,etc.)

current selected value