

2014 We wish you Happy New Year.
May the year of Horse bring you prosperity.
Good Luck and Good Fortune.

新年快乐

Management & Staff of
Singapore Oriental Motor Pte Ltd

****Our office will be closed for holiday on : 30th Jan – 04th Feb 2014**
For any enquires , please contact us at Sales@orientalmotor.com.sg

Easy Speed Control with Spin and Push

NEW PRODUCTS

60 W Lineup Added



Speed Control Motor and Controller Packages

BMU Series



Product Group	Speed Control Range**	Speed Ratio
Brushless Motor BMU Series	80~4000 r/min	1:50
Inverter-Controlled Three-Phase Induction Motor	200~2400 r/min	1:12
AC Speed Control Motor	50 Hz : 90~1400 r/min 60 Hz : 90~1600 r/min	1:15 1:17

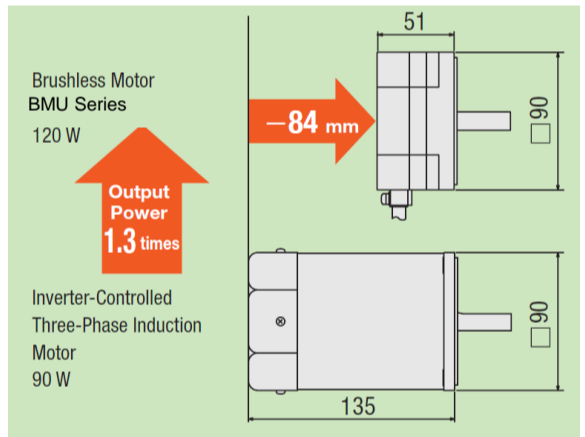
* The speed control range varies depending on the model

Wide Speed Control Range

The brushless motor has a broader speed control range compared to AC speed control motors and inverters. Unlike AC speed control motors, the torque at low speed is not limited, so brushless motors are suited to applications that require a constant torque from low speed to high speed.

Compact and Powerful

Brushless motors have slim body and provide high power due to permanent magnets being used in the rotor. For example, the overall length is 84mm shorter and the output power is 1.3 higher than that of three-phase induction motor with a frame size of 90mm. Using brushless motors can contribute to downsizing of equipment.



BMU Start up Demo video



[View other products demo videos here!](#)

New General Catalogue!

Issues 2013/2014

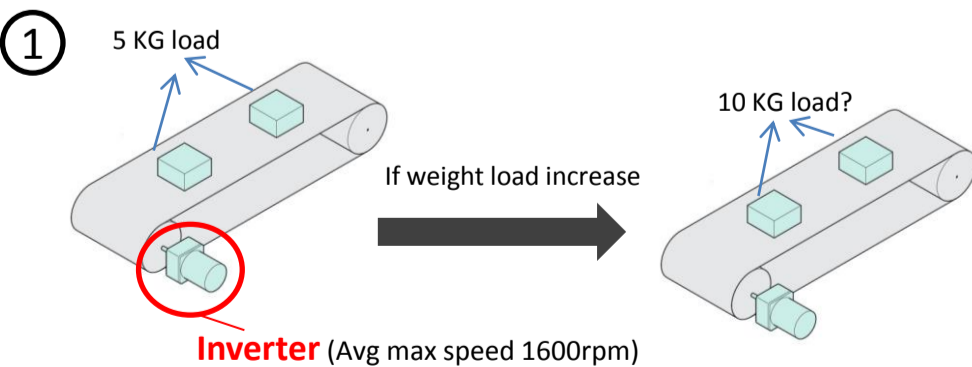


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*Also available in CD-ROM

Case Study (Wide Speed range)

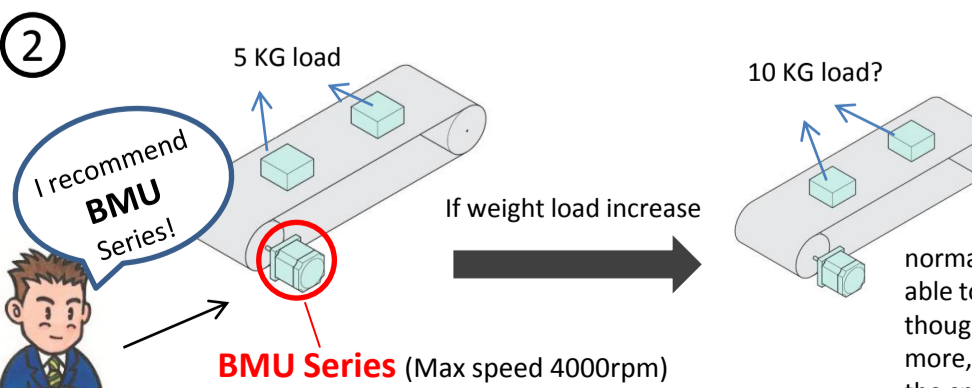
There is once, when one of our sales person encounter a problem with a conveyor maker that uses inverter and require to transport different weight load.

Scenario :



Problem occur :
Increase load = increase gear ratio
Increase gear ratio = decrease speed
*And slowing down in speed is not what the conveyor maker wanted.

So how do we solve this?



No problem with that !
This can be resolved by using brushless motor because the max speed is 4000rpm compared to inverter which normally range around 1600rpm. You still able to get the speed range required even though using a higher gear ratio. Furthermore, different weight load will not affect the speed because brushless motor has a constant torque .