



Toshiba TOSVERT VF-S15 Instruction Manual

Traverse control

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[Page 3: Traverse Function](#)

E6581877 1□ Introduction The VF-S15 has a traverse function useful especially for textile machines. The manual explains about the traverse function. Please read this instruction manual carefully along with the VF-S15 instruction manual. 2□ Parameters for setting the traverse function The parameters in Table 1 are used for traverse operation shown in Figure 1.

[Page 4](#) E6581877 3□ Caution about the use of the traverse control Note the following information when you use the traverse function. ■ Caution about the use of a potentiometer If an external potentiometer (analog input) is used to set the reference frequency, an error of analog input may occur.

[Page 5](#) E6581877 ■ Relationship between traverse reference frequency and output frequency limit The relationship between the traverse reference frequency and the output frequency limit is described below. The output signals of lower limit frequency, the upper limit frequency, and the low-speed detection during traverse operation are effective to the traverse reference frequency.

[Page 6](#) E6581877 3. The traverse operation signal can be sent from inverter to external devices. Assign the function No. 124 / 125 [inverse] (traverse in progress) and 126 / 127 [inverse] (traverse deceleration in progress) to the output terminals. Output terminal selection parameter: f130 to f132□f137□f138 Example: Output the traverse in progress signal from the terminal RY-RC.