

TOSHIBA

Toshiba tosvet VF-AS3 Instruction Manual

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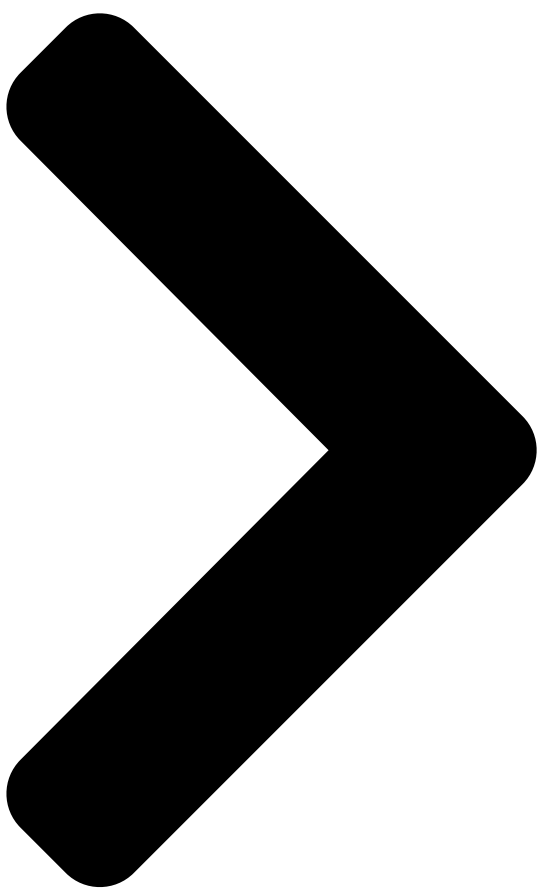
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E6582116

TOSHIBA Instruction Manual for Load Reduction

NOTICE

1. Read this manual carefully before installing or operating the inverter.
2. All information contained in this manual will be changed without notice.

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(14 pages)

Summary of Contents for Toshiba tosvert VF-AS3

[Page 1](#) E6582116 Instruction Manual for Load Reduction NOTICE 1. Read this manual carefully before installing or operating the inverter. 2. All information contained in this manual will be changed without notice.

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[Page 5: Introduction](#)

E6582116 1. Introduction Depending on the way in which the inverter is installed, the ambient temperature and the carrier frequency setting, you may need to reduce the inverter's continuous output current. This instruction manual shows the output current reduction rate of each model in these graphs. 2.

[Page 6](#) Do not install in any location subject to large amounts of vibration. • If the inverter is installed in a location that is subject to vibration, anti-vibration measures are required. Please consult with your Toshiba distributor about these measures. If the inverter is installed near any of the equipment listed below, provide measures to insure against errors in operation.

[Page 7: How To Install](#)

WARNING • Do not install and operate the inverter if it is damaged or any of its components is missing. This will result in electric shock or fire. Please call your Toshiba distributor for repairs. Prohibited • Mount the inverter on a metal plate.

[Page 8](#) E6582116 H 3 or more H 1 or more 11 cm 11 cm H 3 or more or more or more H 2 or more Type H1(cm) H2(cm) H3(cm) VFAS3-2004P - 2370P VFAS3-4004PC - 4750PC VFAS3-2450P, 2550P VFAS3-4900PC - 4132KPC VFAS3-4160KPC VFAS3-4200KPC - 4280KPC 1) Basic installation...

[Page 9: Load Reduction](#)

E6582116 3. Load Reduction Depending on the way in which the inverter is installed, the ambient temperature and the carrier frequency setting, you may need to reduce the inverter's continuous output current. Reduction rates vary depending on the inverter capacity. The 100% value of output current shown in these graphs is output current value shown in [12.1] of instruction manual (E6582062).

[Page 10](#) E6582116 ■ VFAS3-2022P Ambient temperature Ambient temperature 110% 110% 100% 100% 40°C or less 40°C or less 40.1°C to 50°C 40.1°C to 50°C 50.1°C to 60°C 50.1°C to 60°C 1kHz 4kHz 8kHz 12kHz 16kHz 1kHz 4kHz 8kHz 12kHz 16kHz Carrier frequency (f300) Carrier frequency (f300) ■...

[Page 11](#) E6582116 ■ VFAS3-2110P Ambient temperature Ambient temperature 110% 110% 40°C or less 100% 100% 40.1°C to 50°C 40°C or less 50.1°C to 60°C 40.1°C to 50°C 50.1°C to 60°C 1kHz 4kHz 8kHz 12kHz 16kHz 1kHz 4kHz 8kHz 12kHz 16kHz Carrier frequency (f300) Carrier frequency (f300) ■...

[Page 12](#) E6582116 ■ VFAS3-2300P Ambient temperature Ambient temperature 110% 110% 40°C or less 40°C or less 100% 100% 40.1°C to 50°C 40.1°C to 50°C 50.1°C to 60°C 50.1°C to 60°C 1kHz 2.5kHz 4kHz 6kHz 8kHz 1kHz 2.5kHz 4kHz 6kHz 8kHz Carrier frequency (f300) Carrier frequency (f300) ■...

[Page 13](#) E6582116 ■ VFAS3-4004PC Ambient temperature Ambient temperature 110% 110% 40°C or less 100% 100% 40°C or less 40.1°C to 50°C 40.1°C to 50°C 50.1°C to 60°C 50.1°C to 60°C 1kHz 4kHz 8kHz 12kHz 16kHz 1kHz 4kHz 8kHz 12kHz 16kHz Carrier frequency (f300) Carrier frequency (f300) ■...

[Page 14](#) E6582116 ■ VFAS3-4037PC Ambient temperature Ambient temperature 110% 110% 40°C or less 100% 100% 40°C or less 40.1°C to 50°C 40.1°C to 50°C 50.1°C to 60°C 50.1°C to 60°C 1kHz 4kHz 8kHz 12kHz 16kHz 1kHz 4kHz 8kHz 12kHz 16kHz Carrier frequency (f300) Carrier frequency (f300) ■...

[Page 15](#) E6582116 ■ VFAS3-4150PC Ambient temperature Ambient temperature 110% 110% 40°C or less 100% 100% 40°C or less 40.1°C to 50°C 50.1°C to 60°C 40.1°C to 50°C 50.1°C to 60°C 1kHz 4kHz 8kHz 12kHz 16kHz 1kHz 4kHz 8kHz 12kHz 16kHz Carrier frequency (f300) Carrier frequency (f300) ■...

[Page 16](#) E6582116 ■ VFAS3-4370PC Ambient temperature Ambient temperature 110% 110% 100% 100% 40°C or less 40°C or less 40.1°C to 50°C 40.1°C to 50°C 50.1°C to 60°C 50.1°C to 60°C 1kHz 4kHz 8kHz 12kHz 16kHz 1kHz 4kHz 8kHz 12kHz 16kHz Carrier frequency (f300)

Carrier frequency (f300) ■...

[Page 17](#) E6582116 ■ VFAS3-4900PC Ambient temperature Ambient temperature 110% 110%
100% 100% 40°C or less 40°C or less 40.1°C to 50°C 50.1°C to 60°C 40.1°C to 50°C 50.1°C to
60°C 1kHz 2.5kHz 4kHz 6kHz 8kHz 1kHz 2.5kHz 4kHz 6kHz 8kHz Carrier frequency (f300)
Carrier frequency (f300) ■...

[Page 18](#) E6582116 ■ VFAS3-4200KPC Ambient temperature Ambient temperature 110%
110% 100% 100% 40°C or less 40°C or less 40.1°C to 45°C 40.1°C to 50°C 45.1°C to 50°C
50.1°C to 60°C 50.1°C to 60°C 1kHz 2.5kHz 4kHz 6kHz 8kHz 1kHz 2.5kHz 4kHz 6kHz 8kHz
Carrier frequency (f300)

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