

# C1 inverter output voltage





## Overview

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What is a C1 inverter?

Generally C1 inverters are open AC voltage inverters with a single or three-phase mains connection and 3-phase motor connection. C1 inverters are designed to be installed in an enclosure. They provide the connected motor with an adjustable U/f ratio for a defined speed range.

Are C1 inverters UL compliant?

Machine Translated by Google HITACHI WJ-C1 3.1 Compliance with UL standard This chapter summarizes the requirements for compliance with the UL standard. Generally C1 inverters are open AC voltage inverters with a single or three-phase mains connection and 3-phase motor connection. C1 inverters are designed to be installed in an enclosure.

What is a WJ Series C1 inverter?

(The English text is the original and the Japanese text is for reference purposes.) WJ series C1 inverter is open type AC Inverter with three/single phase input and three phase output. It is intended to be used in an enclosure. It is used to provide both an adjustable voltage and adjustable frequency to the AC motor.

What type of motor does a Hitachi inverter use?

Applicable motors are Hitachi's three-phase standard motors (4P), which are standard lineup of Hitachi. When use other manufacturer motors, be sure to not exceed a rated current of a motor the rated output current of the inverter.  
\*3 The output voltage cannot exceed the actual input voltage (Main power supply voltage).



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Hitachi WJ-C1 Basic Guide

Oct 28, 2024 · Thank you for purchasing WJ series C1 (WJ-C1) Inverter. This is a Basic Guide that explains the handling, maintenance, etc. of the WJ-C1. The Basic Guide contains only the ...

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SECTION 4 SWITCHED CAPACITOR VOLTAGE ...

May 10, 2019 · The voltage doubler works similarly to the inverter; however, the pump capacitor is placed in series with the input voltage during its discharge cycle, thereby accomplishing the ...

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(a) Inverter output voltage, (b) filtered output current and (c

Download scientific diagram , (a) Inverter output voltage, (b) filtered output current and (c) capacitor voltage for  $C1 = 1000\mu\text{F}$ ; (d) Inverter output voltage, (e) filtered output current and (f

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EEC 118 Lecture #4: CMOS Inverters

Mar 31, 2010 · Review: Inverter Voltage Transfer Curve Voltage transfer curve (VTC): plot of output voltage  $V_{out}$  vs. input voltage  $V_{in}$

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Compact, High-performance Inverter

May 31, 2023 · Applicable motors are Hitachi's three-phase (4P) standard motors. If use to other motors, be sure to prevent a rated current of a motor from exceeding the rated output current ...

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WJC1-h1\_P1-8\_E

Oct 28, 2024 · When use other manufacturer motors, be sure to not exceed a rated current of a motor the rated output current of the inverter. \*3 The output voltage cannot exceed the ...

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Hitachi HX Brochure 2022

Jun 28, 2025 · Get to know our new the WJ-C1 Series: Elevating Performance in Compact Design Introducing our C1 Series--a remarkable advancement of our proven WJ200 series of ...

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Basic Guide 1?/3? P Hitachi Inverter

Feb 20, 2024 · Risk of failure of the inverter! Do not pull the wire after wiring. Risk of an electric shock and/or injury! Perform the wiring only after installing the inverter. WARNING Risk of ...

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(a) Inverter output voltage, (b) filtered output ...

Download scientific diagram , (a) Inverter output voltage, (b) filtered output current and (c) capacitor voltage for  $C1 = 1000\mu\text{F}$ ; (d) Inverter output ...

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Hitachi WJ-C1 Series Getting Started

Page 143 Machine Translated by Google HITACHI WJ-C1 Fault remedy Description Possible



Cause message Overcurrent in the The motor rated current is greater than Select a frequency ...

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