

YASKAWA



Low Harmonics
Regenerative
Matrix Converter



LIC NO.: 00053G



2015
Grand Prize for
Excellence in
Energy
Efficiency and
Conservation

(Product Category &
Business Model
Category)

Sponsor: The Energy
Conservation Center,
Japan

平成27年度
省エネ大賞
(製品・ビジネスモデル部門)
主催：一般財団法人エネルギーセンター

U1000

All-in-One Motor Drive

Evolved matrix converter features functions of AC Drives,
power regeneration power factor improvement and low
harmonics solutions



The Green Drive
for Pump and Fan
Applications



LIC NO.: 00053G



E1000

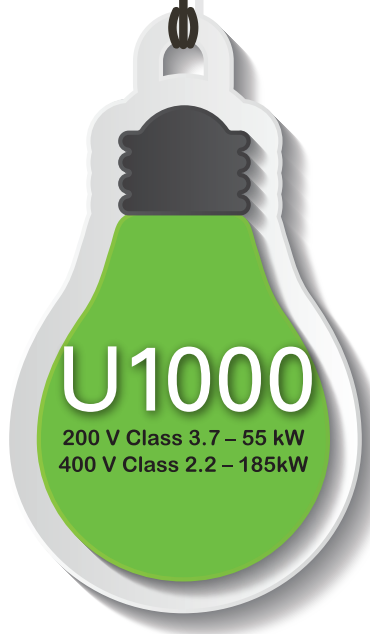
The Green Inverter

Proven to be energy efficient, meeting customers' needs for
environmental protection and quality, material performance
and other specific green features

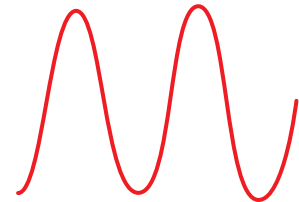
USE ENERGY
EFFECTIVELY!

Save energy by using energy efficient drives
Yaskawa answers your company's needs and
market requirements

Low Harmonics The Pursuit of Power Quality



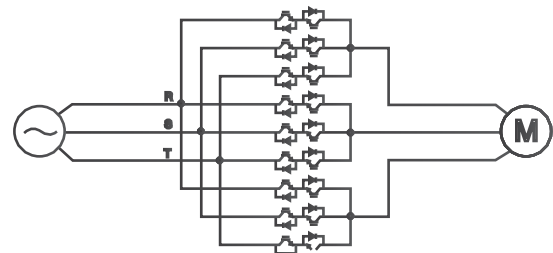
Power Supply
Current Waveform



Power Supply
Current Waveform

[What is a Matrix Converter?]

A matrix converter is AC/AC converter which consists of 9 bi-directional switches that are arranged in a matrix. It converts a three-phase AC power supply directly into the required voltage and frequency.



Simple and Compact Drive for Fan, Pump and HVAC

Power
Regeneration

