

# The Driving Evolution

RX2 Series High performance inverter

Evolved Heritage  
Usability Evolving  
In Constant Evolution



# Evolved Heritage

This high performance inverter offers the same usability as the previous model, which allows easy replacement.

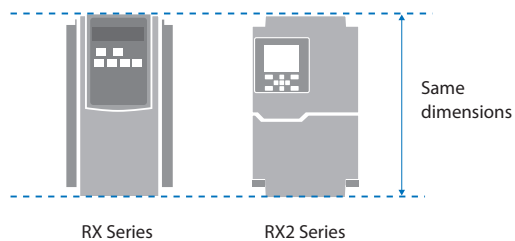


## Easy replacement

The RX2 Series with the same mounting dimension as the previous model will fit in the existing control panel or mounting location. In addition, the same setting software CX-Drive can be used for the RX2 Series. Parameter settings and programs used for the previous model can be easily converted and transferred to the RX2 Series.

Note: The depth of some models may vary.

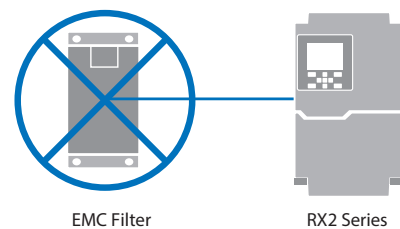
### Inside of control panel



## Built-in EMC Filter

Built-in noise filters corresponding to the European EMC Directive IEC61800-3 2nd Environment Category C3 and UL Power Conversion Equipment/UL61800-5-1 will save external hardware and extra cost.

### Built into inverter





# Usability Evolving

The RX2 Series delivers improved usability: more efficient, easier, and faster.



RX2 Series



## Easy setup and operation

The new full-color LCD operator, which replaced the previous 7-segment display, makes setup and operation more intuitive and easier. The parameter copy function of the operator allows you to quickly copy parameter settings to other RX2 Inverters.

### LCD operator

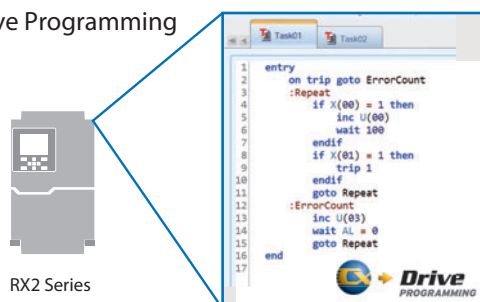


RX2 Series

## Application customized

The RX2 Inverter can perform simple sequence control programmed using support software CX-Drive. Crane control, tension control, and other large-scale processes that require fast control speeds can be configured without a PLC, optimizing costs.

### Drive Programming



RX2 Series



# In Constant Evolution

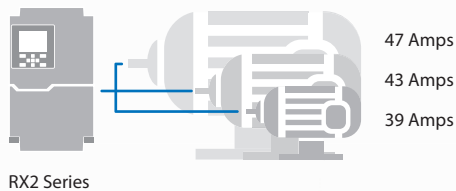
The RX2 Series continues to evolve, meeting ever-changing demands and helping improve productivity.



## Triple rating

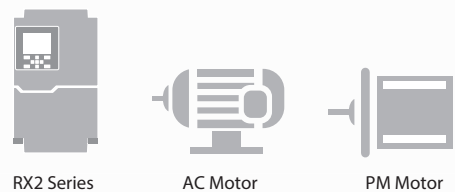
Previous double rating is upgraded to triple rating. A single inverter can be used for a wide range of motor applications, which minimizes the footprint and maximizes performance.

Example (3G3RX2-A4185)

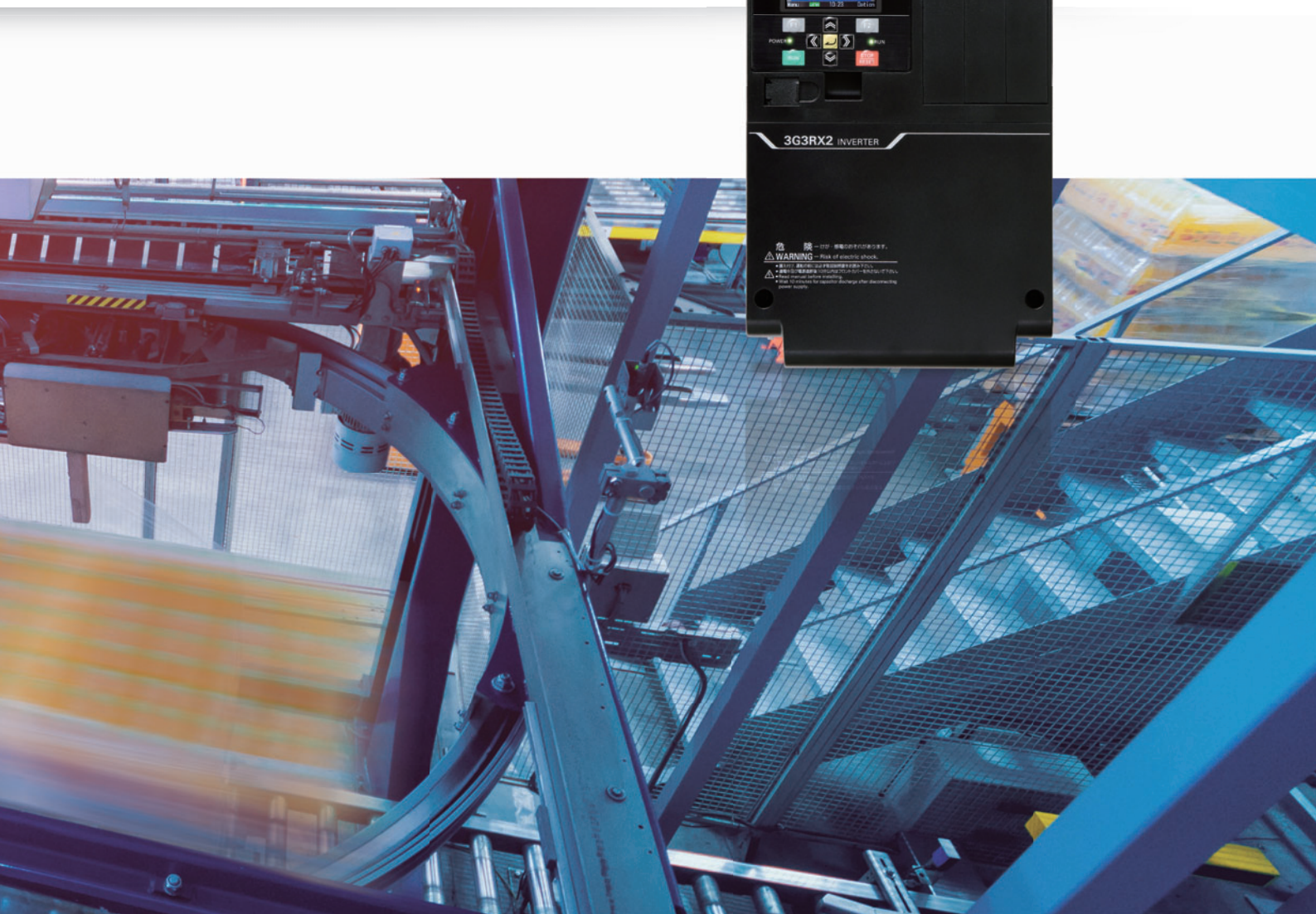


## PM motor control

The RX2 Series can control permanent magnet motors (PM motors) as well as induction motors. Auto-tuning maximizes PM motor performance, helping save energy.



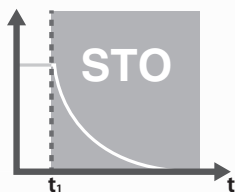




## Safety embedded

The RX2 Series features Safe Torque Off (STO) as standard to meet your machine safety needs.

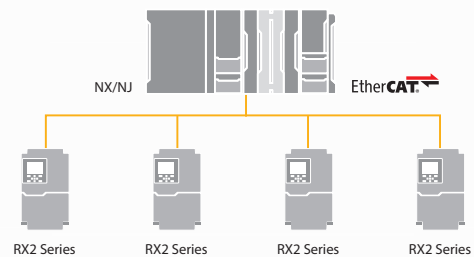
**Certified safety standards:**  
IEC 61800-5-2:2016 STO SIL3  
ISO 13849-1:2015 Cat.4 PLe



## EtherCAT® **COMING SOON**

The EtherCAT option is available. Connect the RX2 Inverters with the NX/NJ Machine Automation Controller to improve development and production productivity.

Note: The EtherCAT unit will be coming soon.





**MEMO**

Windows is either a registered trademark or trademark of Microsoft Corporation in the United States and/ or other countries.  
EtherCAT® is a registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.  
Other company names and product names in this document are the trademarks or registered trademarks of their respective companies.  
The product photographs and figures that are used in this catalog may vary somewhat from the actual products.  
Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation.  
Some images are used under license from Shutterstock.com.

**Note: Do not use this document to operate the Unit.**

**OMRON Corporation Industrial Automation Company**  
Kyoto, JAPAN

**Contact: [www.ia.omron.com](http://www.ia.omron.com)**

**Regional Headquarters**

**OMRON EUROPE B.V.**

Wegalaan 67-69, 2132 JD Hoofddorp  
The Netherlands  
Tel: (31)2356-81-300/Fax: (31)2356-81-388

**OMRON ELECTRONICS LLC**

2895 Greenspoint Parkway, Suite 200  
Hoffman Estates, IL 60169 U.S.A.  
Tel: (1) 847-843-7900/Fax: (1) 847-843-7787

**OMRON ASIA PACIFIC PTE. LTD.**

No. 438A Alexandra Road # 05-05/08 (Lobby 2),  
Alexandra Technopark,  
Singapore 119967  
Tel: (65) 6835-3011/Fax: (65) 6835-2711

**OMRON (CHINA) CO., LTD.**

Room 2211, Bank of China Tower,  
200 Yin Cheng Zhong Road,  
PuDong New Area, Shanghai, 200120, China  
Tel: (86) 21-5037-2222/Fax: (86) 21-5037-2200

**Authorized Distributor:**

© OMRON Corporation 2019 All Rights Reserved.  
In the interest of product improvement,  
specifications are subject to change without notice.

CSM 1\_1\_0319  
Cat. No. **I923-E1-01**

0319 (0319)