



## Medium Voltage Variable Speed Drive

Renewal parts

Supersedes: 160.00-RP6 (1018)

Form: 160.00-RP6 (425)

**Medium Voltage 500-2500 Hp,  
2300V, 3300V, 4160V, 6600, 12.4kV & 13.8kV, 60Hz  
3300V, 6600V, 10kV & 11kV 50Hz  
Variable Speed Drives for  
YK, YD, YK-EP, and YK-CP Chiller Applications**



LD12287

**Contact the York customer service team for parts identification:**

**Phone: 1-800-932-1701  
Email: [Be-BaltimorepartsCP@jci.com](mailto:Be-BaltimorepartsCP@jci.com)**

Issue Date:  
April 30, 2025

# Important!

## Read Before Proceeding!

### General Safety Guidelines

This equipment is a complicated apparatus. During installation, operation, maintenance or service, individuals may be exposed to certain components or conditions including, but not limited to: refrigerants, oils, materials under pressure, rotating components, and both high and low voltage. Each of these items has the potential, if misused or handled incorrectly, to cause bodily injury or death. It is the obligation and responsibility of operating/service personnel to identify and recognize these inherent hazards, protect themselves, and proceed safely in completing their tasks. Failure to comply with any of these requirements could result in serious damage to the equipment and the property in which it is situated,

as well as severe personal injury or death to themselves and people at the site.

This document is intended for use by owner-authorized operating or service personnel. It is expected that these individuals possess independent training that will enable them to perform their assigned tasks correctly and safely. It is essential that, before performing any task on this equipment, this individual has read and understood this document and any referenced materials. This individual must also be familiar with and comply with all applicable governmental standards and regulations pertaining to the task in question.



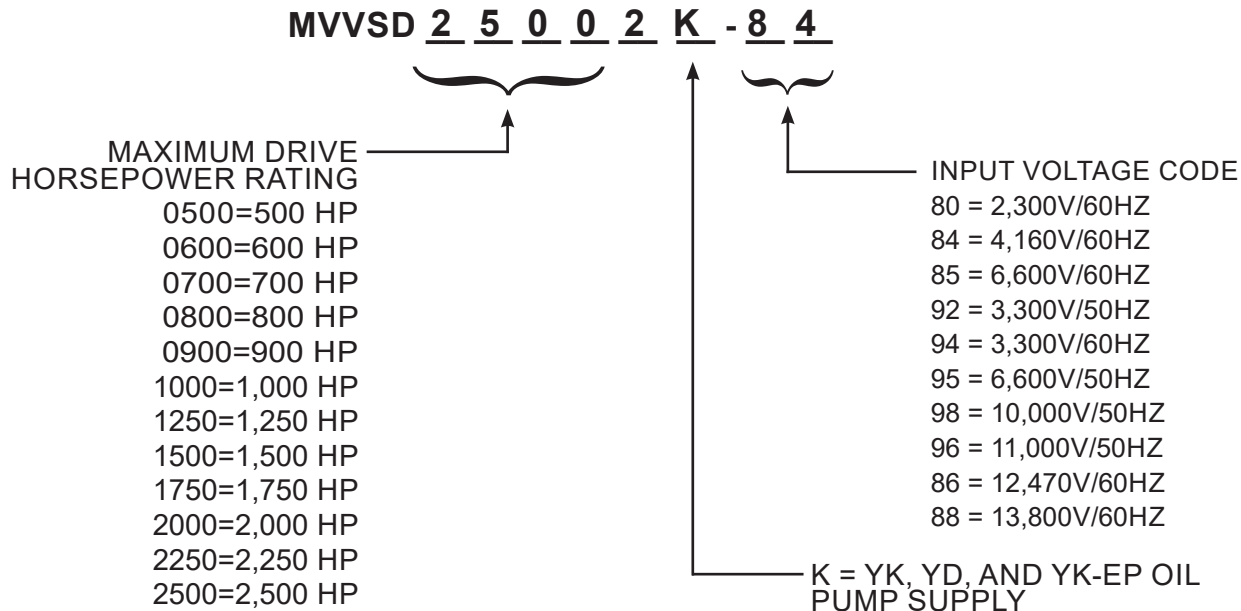
***External wiring, unless specified as an optional connection in the manufacturer's product line, is NOT to be connected inside the equipment cabinet. Devices such as relays, switches, transducers and controls may NOT be installed inside the unit. NO external wiring is allowed to be run through the unit. All wiring must be in accordance with YORK's published specifications and must be performed ONLY by qualified YORK personnel. YORK will not be responsible for damages/problems resulting from incorrect connections to the controls or application of incorrect control signals. Failure to follow this will void the manufacturer's warranty and cause serious damage to property or injury to persons.***

This instruction lists the renewal parts of the YORK Medium Voltage Variable Speed Drive (MV-VSD). Qualification in this case requires that the individual hold a certificate, proving satisfactory completion of formal training on correct procedures and safety requirements for working on equipment in the medium voltage (600 VAC to 7500 VAC) class. The qualified individual furthermore is to be knowledgeable of, and adhere to, all safe work practices as required by NEC, OSHA, and NFPA 70E. Because available fault current is determined largely due to sizing of the upstream transformers, wiring, and protective devices - available fault current and arc-flash hazard levels must be determined by personnel responsible for the electrical systems within the facility where this product is installed. Appropriate personal protective equipment (PPE) must be used where and when required. This entire publication must be read thoroughly before servicing this product. Correct lock-out and tag-out procedures are mandatory!

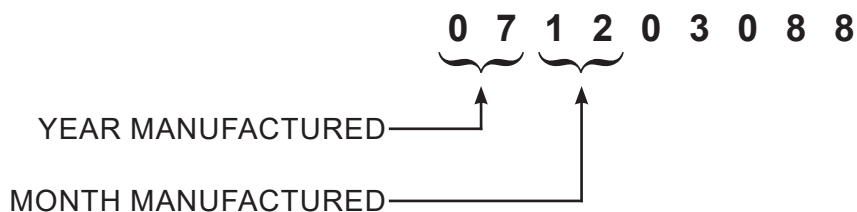


***Under no circumstances should any live testing be performed with the main cabinet doors open, exposing medium voltage components! Only the low-voltage access door is permitted to be open during live testing or operation of the unit. The energized safe approach distance for this product is to be determined by NFPA 70E. Non-qualified personnel are not to be present within this boundary during energizing, de-energizing, or energized testing (even with cabinet doors closed) on this equipment!***

## UNIT MODEL NUMBER NOMENCLATURE



## SERIAL NUMBER BREAKDOWN



Contact Baltimore Parts to verify your identified replacement parts.

Provide the following information for accurate part identification:

- YORK model number and serial number  
**Action:** Take a clear picture of the unit nameplate to ensure accurate part identification.
- Part description
- Pictures of the parts to be replaced
- Pictures of the location where the parts will be mounted or installed

### YORK Parts Customer Service Team Contact Information:

Phone: 1-800-932-1701

Email: Be-BaltimorepartsCP@jci.com

**Figure 1:** Data plate on the low voltage compartment

When contacting Baltimore Parts Center, have the **YORK Model Number** and **Unit Serial Number** in hand to verify that the correct parts are being ordered.

|                                                                                                                                          |                          |                         |                         |                             |  |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------|-------------------------|-----------------------------|--|
| <b>YORK MODEL #</b>                                                                                                                      | <b>MVVSD1250RK-80</b>    |                         |                         |                             |  |
| <b>CAPACITY:</b>                                                                                                                         | <input type="text"/> kVA | <input type="text"/> kW | <input type="text"/> HP |                             |  |
| <b>INPUT:</b>                                                                                                                            | <input type="text"/> kV  | <input type="text"/> A  | <input type="text"/> Hz | <input type="text"/> $\phi$ |  |
| <b>OUTPUT:</b>                                                                                                                           | <input type="text"/> kV  | <input type="text"/> A  | <input type="text"/> Hz | <input type="text"/> $\phi$ |  |
| <b>2kW Control Supply:</b>                                                                                                               | <input type="text"/> V   | <input type="text"/> A  | <input type="text"/> Hz | <input type="text"/> $\phi$ |  |
| <b>Oil Pump Supply:</b>                                                                                                                  | <input type="text"/> V   | <input type="text"/> A  | <input type="text"/> Hz | <input type="text"/> $\phi$ |  |
| <b>SERIAL #:</b>                                                                                                                         | <b>071203088</b>         |                         | <b>MFD. DATE</b>        | <input type="text"/>        |  |
| Suitable For Use On a Circuit Capable of Delivering Not More Than <input type="text"/> RMS. Sym. Amperes <input type="text"/> kV Maximum |                          |                         |                         |                             |  |
| <b>IMPULSE TEST VOLTAGE (BIL):</b> <input type="text"/>                                                                                  |                          |                         |                         |                             |  |





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