



Product Upgrade For GD2000 & GD3000

Upgrade to the MV3000 Basic Drive Module (BDM)

MINIMIZE UNPLANNED OUTAGES

PLANNED UPGRADE

As an operator of obsolete legacy GD drives, you may want to upgrade your equipment to the new MV3000 BDM drive with upgraded Power Electronics and Control card. This proven upgrade will minimize your process downtime by leveraging the expertise of GE's capable field service teams and ensure high service support levels for the drive going forward.

REDUCE RISK, REDUCE COSTS

WITH COMPREHENSIVE SERVICE SUPPORT

Instead of having to replace/modify existing components in the cubicle, the new MV3000 Basic Drive Module (BDM) drive offers a plug-and-play solution to swap out the obsolete product and upgrade to the new drive with minimal cost and effort. Strong service support levels ensure OpEX reduction via remote support and optional Long Term Service Agreements guarantee response times and on-site support.

INCREASE ENERGY EFFICIENCY

VERSATILE VARIABLE SPEED DRIVE

The MV3000 drive is a very versatile variable speed drive used across a wide variety of market segments like O&G, mining, propulsion, thrusters etc. It is available in wide range of power ratings and is ideally suited for marine propulsion and energy savings applications for fans and pumps.

COST EFFECTIVE & PROVEN UPGRADE PATH

With estimated daily production shut down costs ranging from \$30,000 to \$100,000 for one day of production shut down, a planned upgrade allows trained GE engineers to prepare essential studies and mobilize resources in advance to ensure a quick turnaround. **Reducing the risk of failure and an unplanned outage**

GE are on hand ensuring we keep your operations running smoothly both for the short and long term with **minimal downtime of equipment required to perform the upgrade.**

Re-use of existing components in the drive cubicle enabling **reduced capital expenditure**, approximately up to \$2,000 cost savings per unit upgraded.

CRITICAL SPARE PARTS IDENTIFICATION & SPARE PART AVAILABILITY

Availability of critical spares and comprehensive service support including remote support. The GE parts team are available to advise the appropriate spares and consumable parts for you to hold in stock. For those emergencies - **the team will support provide the parts you need on time and at the quality you expect.**



MV3000 BDM Variable Speed Drive

22kW to 315kW Basic Drive Module (BDM) - A Flexible General Purpose Drive

PROVEN RELIABILITY FOR INDUSTRIAL APPLICATIONS

The MV3000 represents a revolution in both control and power technology. Building on the success of the previous generation, the range incorporates a wide array of enhancements that confirm GE to be a world leader in the design and manufacture of variable speed drives.

The MV3000 can be configured to suit many industrial, marine or military application including: centrifuges, coilers, roller tables & mills, compressors, conveyors, extruders, fans & pumps, lifts & hoists, mixers and stirrers, multi drive systems, marine propulsion, thrusters and test benches.

GE is committed to the 'futureproof concept'. With the MV3000 it has retained many of the unique design elements that proved to be so popular in many industrial applications. The 'bookcase' format, the MicroCubicle construction, and the exceptionally easy to programme Drive Data Manager, have all remained in the latest generation of modules up to 315 kW.

The MV3000 includes state of the art control and power circuits that will ensure GE remain one of the worlds leading pioneer and systems integration specialists.

By taking a responsible attitude towards commonality, GE have ensured that customers gain full compatibility with existing installations whilst gaining from the many enhancements offered by current drive technology.

TECHNICAL DATA

Micro-cubicle design

Performance - Power rating between 22 kW and 315 kW and voltage between 380-690 V

Updated Skiiip power module (Skiip 2 to Skiiip 3) and new CDC controller

Active Energy Management to **eliminate harmonic distortion** without bulky phase shift transformers, and offer **full 4 quadrant operation**.

Drive data manager with 4 Line Backlit Display, Motor control keys, Navigation and short cut keys, Help key for **on-line parameter and diagnostic help**

NoStop™ drive intelligence and protection eliminates "self protecting trips"

Dynamic mode change minimises process downtime by changing control mode on-line

Active temperature management allows intelligent action should the drive or motor begin to overheat

Supply loss ride through keeps the process running even during short breaks in the a.c. mains supply

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