

# Configurable AC Drive Packages

## Flexibility with Definition



### **1305 Configured AC Drives Program**

#### **Benefits**

The Configured IP65 (NEMA Type 4/12) 1305 Device offers:

- Lower installed cost
- Quick delivery
- Single source packaging responsibility
- Prewired Disconnect
- Quick information turnaround

#### **Lower Installed Cost**

- Per the "Electrical Construction and Maintenance Handbook for Estimating Electrical Work", for every hour needed to install a combination unit, 1.65 hours are required to install a drive and a disconnect, each separately mounted.
- Installing a single unit eliminates the need to mount and interwire separate enclosures. It also eliminates the miscellaneous hardware associated with installing two separate devices.

#### **Quick Delivery**

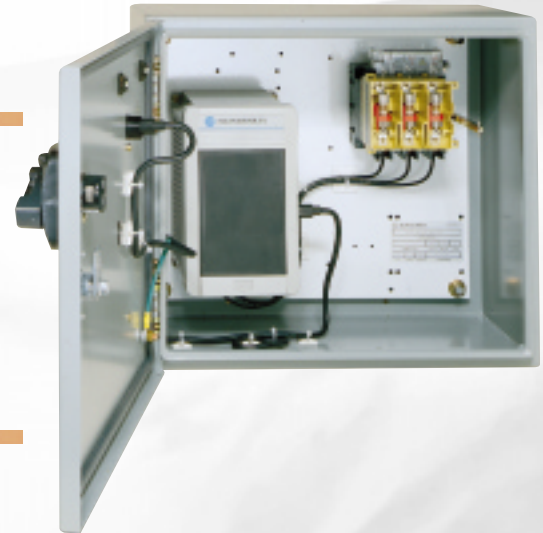
- Automated Engineering
  - Products "engineered" quickly via software written and maintained by Application Engineering.
  - Bills of Materials, assembly instructions, wiring diagrams, programming instructions, etc. generated on demand, and electronically transmitted to assembly area

#### **Single Source Packaging Responsibility**

- Unit is pre-programmed (based on options ordered) and ready to install
- Single source application support
- Tested and documented unit

#### **Prewired Disconnect**

- Article 430 of the U.S. National Electrical Code requires a disconnect means for motor applications.
  - Having the disconnecting prewired simplifies drive installation. The disconnect switch is designed to meet disconnect switch requirements for branch circuit protection.



#### **1305 AC Drive**

*The heart of every configured drive package is a 1305 variable frequency controller. The 1305 is a microprocessor-based adjustable-frequency AC drive which provides exceptional reliability when controlling 3-phase motors, producing a 3-phase, PWM, adjustable frequency & voltage output to control motor speed & torque.*

**Quick Information Turnaround**

• Prompt information on price and availability

• Quick turnaround on approval drawings

**Flexible Packaging and Option Choices**

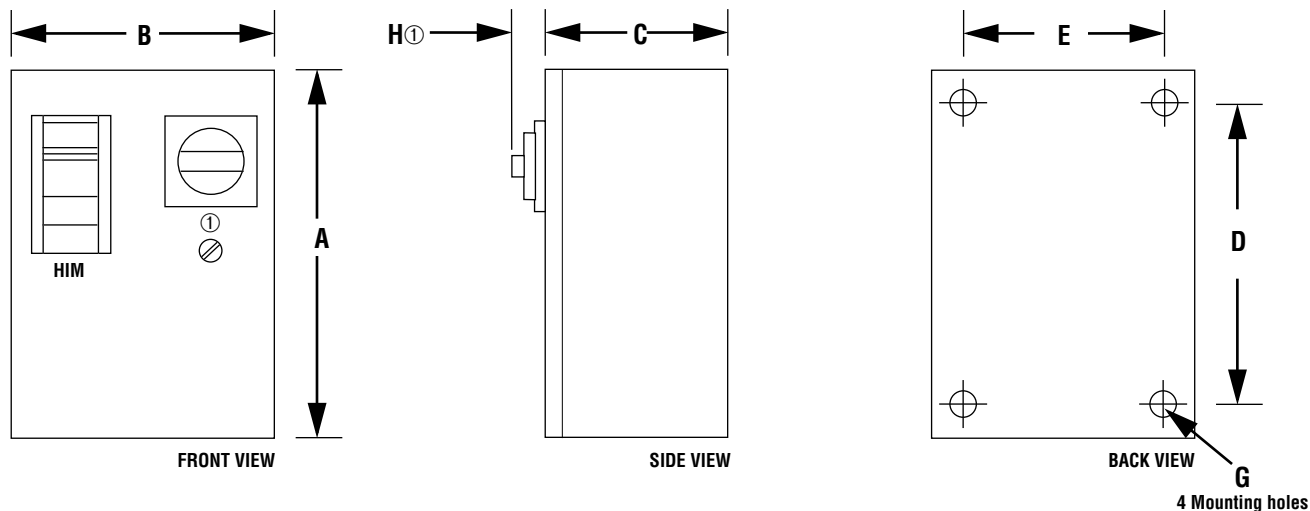
The Configured Drives Program allows you to order specifically configured drives packages that exceed the offerings of a standard drive product. The expanded options list includes control, communications, power, packaging and documentation. Packaging is available in NEMA Type 1 or 4/12 enclosures.

The capabilities of this program range from supplying simple, commonly requested pre-engineered options to more complex, specifically engineered requirements.

**Complete and Detailed Product Documentation**

All Allen-Bradley Configured Drives are supplied with complete, order-specific drawings and standard instruction manuals. Special documentation and test

requirements will also be supplied as requested. Support publications are available to assist in custom configuration and ordering special drive packages.



Option Combinations Not Covered By Special Rule #1	Special Rule #1 – Any Option Combination That Includes Bypass	A Height mm (inches)	B Width mm (inches)	C Depth mm (inches)	D mm (inches)	E mm (inches)	G Dia. mm (inches)	H ① mm (inches)
1/2 – 1 HP	–	350 (13.78)	400 (15.75)	232.7 (9.16)	315 (12.4)	177.8 (7.0)	6.4 (0.25)	40.5 (1.594)
2 – 5 HP	208/230V 1/2 – 2 HP 380/460V 1/2 – 3 HP	609.6 (24)	406.4 (16)	223.7 (8.81)	571.5 (22.5)	368.3 (14.5)	12.7 (0.5)	40.5 (1.594)
–	208/230V 3 HP 380/460V 5 HP	762 (30)	609.6 (24)	300 (11.81)	723.9 (28.5)	571.5 (22.5)	12.7 (0.5)	40.5 (1.594)

① Disconnect switch or circuit breaker operating handle



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