

NAMEPLATE LOCATION

Figure 1.1 Bulletin 1305 Nameplate Location

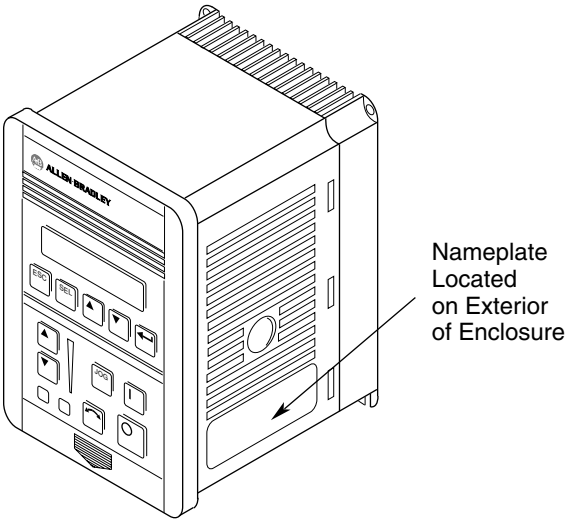
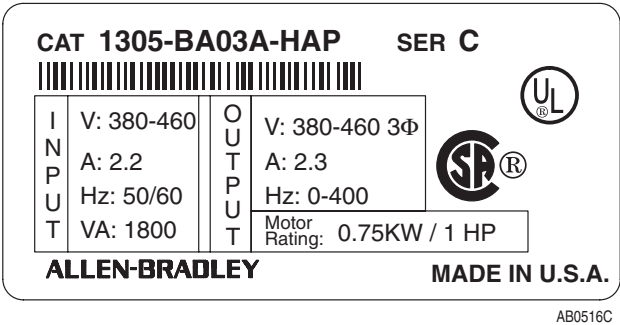


Figure 1.2 Nameplate Information



FIRMWARE COMPATIBILITY <sup>①</sup>

Drive: Series C, FRN 6.01 and up

HIM: Series A, FRN 1.0 through 3.0  
Series B, FRN 1.0

<sup>①</sup> Specific Firmware versions are identified by digits to the right/left of decimal.  
Example 1.01, 2.01.

Firmware version can be found on the drive carton label, on integrated circuits found on the Control Board (see Figure 2.3), or can be viewed in Drive Diagnostics (see Chapter 5).

## CATALOG NUMBER CODE EXPLANATION

**1305      –      A                      A02                      A                      –      DE      –      HA1**

First Position	Second Position	Third Position	Fourth Position	Fifth Position	Sixth Position
Bulletin- Number	Rating	Nominal Current Rating	Enclosure Type	Options	
	Code    Description	A01	Code    Enclosure Type		
	A      200-240V , Single-Phase	A02	A      IP 30 (NEMA Type 1)		
		A03			
		A04			
	B      200-230V, Three-Phase	A06			
		A08			
		A09			
		A12			

**Language Code** (English language is included in base catalog number. To order a second language, add the appropriate suffix to the drive catalog number.)

DE    German  
ES    Spanish  
IT    Italian  
FR    French

**Human Interface Modules, NEMA Type 1 (IP 30)** To order installed in the drive, add the appropriate suffix to the drive catalog number.

HAP    Programmer Only  
HA1    HIM with Analog Speed Pot  
HA2    HIM with Digital Up-Down Keys

Table 1.A Drive Rating and Derating Guidelines

Voltage Rating	Catalog Number IP30 (NEMA Type 1)	Motor Rating					
		Three-Phase Input			Single-Phase Input		
		HP	kW	Output Current <sup>①②</sup> (A)	HP	kW	Output Current <sup>①②</sup> (A)
200-230V 50/60 Hz	1305-AA02A	0.5	0.37	2.3	0.25	0.19	1.2
	1305-AA03A	0.75	0.55	3	0.5	0.37	2.3
	1305-AA04A	1	0.75	4.5	0.75	0.55	3
	1305-AA08A	2	1.5	8	1	0.75	4.5
	1305-AA12A	3	2.2	12 <sup>③</sup>	2	1.5	8 <sup>③</sup>
380-460V 50/60 Hz	1305-BA01A	0.5	0.37	1.3	Not Available		
	1305-BA02A	0.75	0.55	1.6			
	1305-BA03A	1	0.75	2.3			
	1305-BA04A	2	1.5	4			
	1305-BA06A	3	2.2	6 <sup>④</sup>			
	1305-BA09A	5	4.0	9 <sup>⑤</sup>			

In general:

- ① Motor Full Load Amps (FLA) should not exceed the drive output current rating.
- ② If the **[PWM Frequency]** is set above 4kHz, the output current must be derated per the chart on page 5-20.

When operating the drive in an ambient temperature at or near the maximum operating temperature (50°C), the following derating guidelines are recommended to guard against overheating depending on application and operating conditions.

- ③ Output current value listed for 200V input voltage. At 230V input voltage, output current is 9.6A for 3 phase and 6.8A for single phase.
- ④ Output current value listed for 380V input voltage. At 415V input voltage, output current is 5.3A. At 460V input voltage, output current is 4.8A.
- ⑤ Output current value listed for 380V input voltage. At 415V input voltage, output current is 8.4A. At 460V input voltage, output current is 7.6A.

For derating guidelines at ambient temperatures between 40°C and 50°C, consult Allen-Bradley.