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 ①② Current (A)	HP	kW	Output ①② Current (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 ③	2	1.5	8 ③
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 ④			
	1305-BA09A	5	4.0	9 ⑤			

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.*

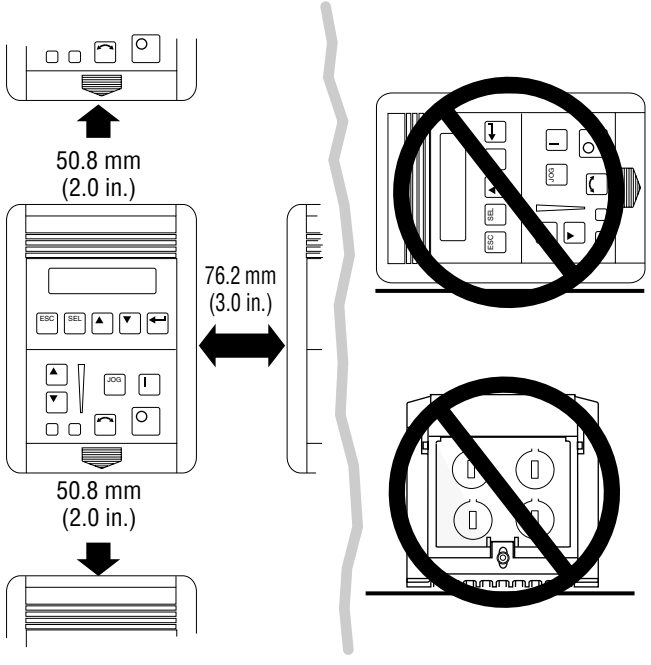
For derating guidelines at ambient temperatures between 40°C and 50°C, consult Allen-Bradley.

CHAPTER OBJECTIVES

Chapter 2 provides the information needed to properly mount and wire the drive. Since most start-up difficulties are the result of incorrect wiring, every precaution must be taken to assure that the wiring is done as instructed. All items must be read and understood before the actual installation begins.

ATTENTION: The following information is merely a guide for proper installation. The National Electrical Code and any other governing regional or local code will overrule this information. The Allen-Bradley Company cannot assume responsibility for the compliance or the noncompliance to any code, national, local or otherwise for the proper installation of this drive or associated equipment. A hazard of personal injury and/or equipment damage exists if codes are ignored during installation.

Figure 2.1 Mounting Requirements



Important: The drive must be mounted to a metallic surface.