

The Application Note is pertinent to the Focus Family

Retrofitting Focus 2 Drives with Focus 3

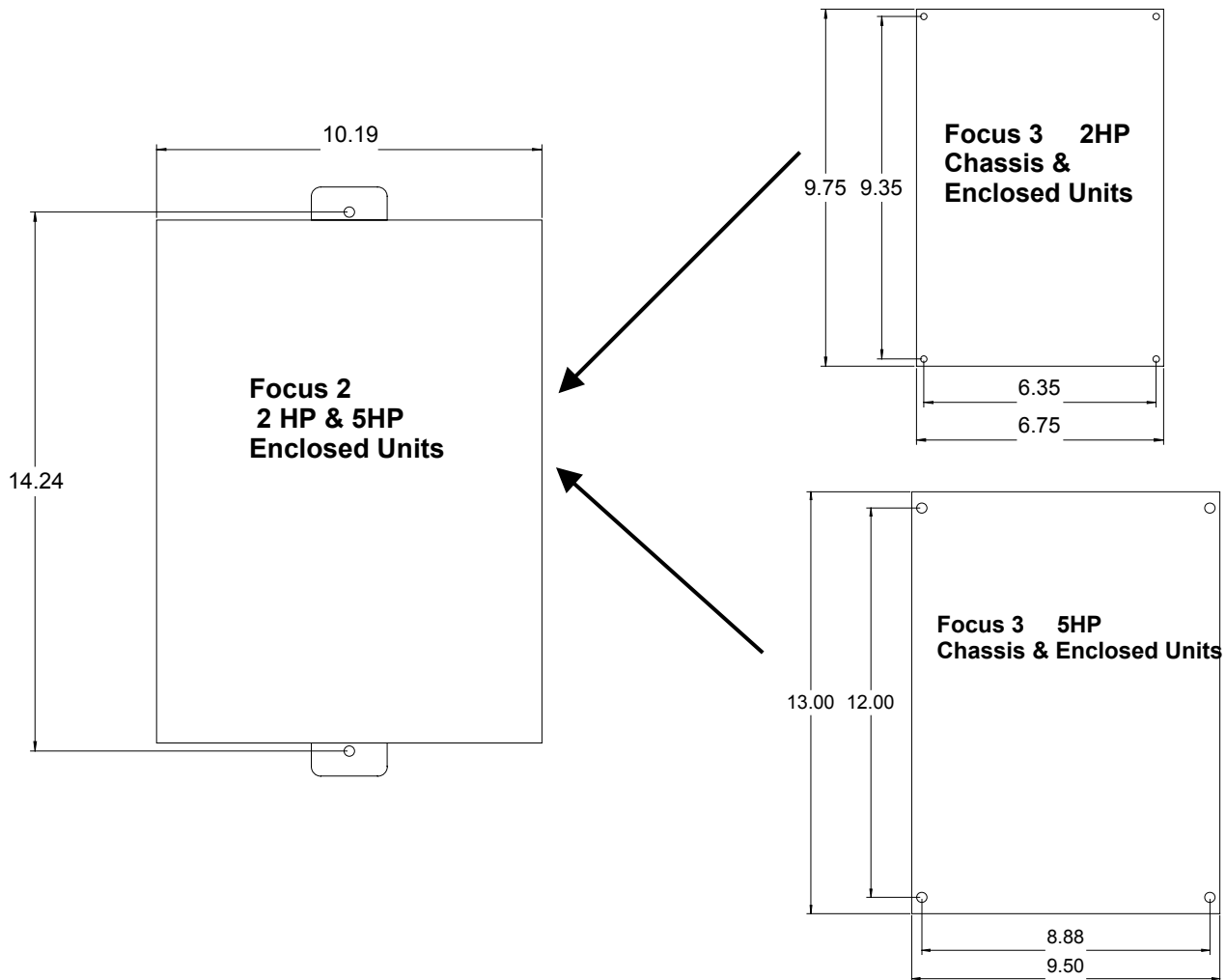
In retrofitting a Focus 2 with a Focus 3 drive there are four key issues to examine; physical size and mounting, location of power and signal connections, electrical compatibility and available options.

1. **Physical size and mounting:**

The enclosed Focus 3 drives are all slightly smaller in physical size than the Focus 2 drives, the mounting hole locations though are different. The chassis versions of the Focus 3 drives are slightly larger than the Focus 2 drives unless the Focus 2 drive was supplied with the contactor option where as they are equivalent in size.

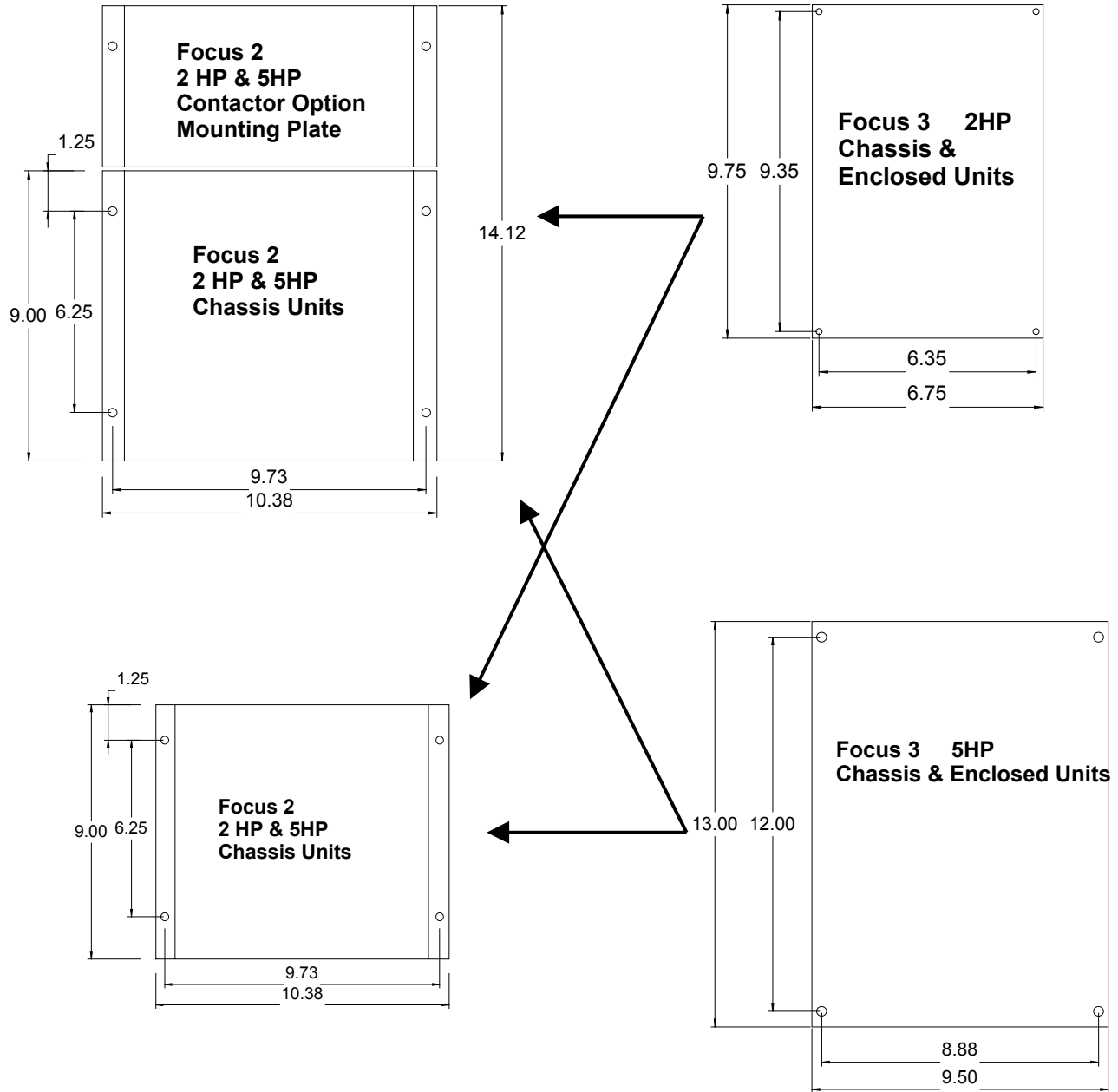
Focus 2 ←————— **Focus 3**

Enclosed Units



Focus 2 ← Focus 3

Chassis Units

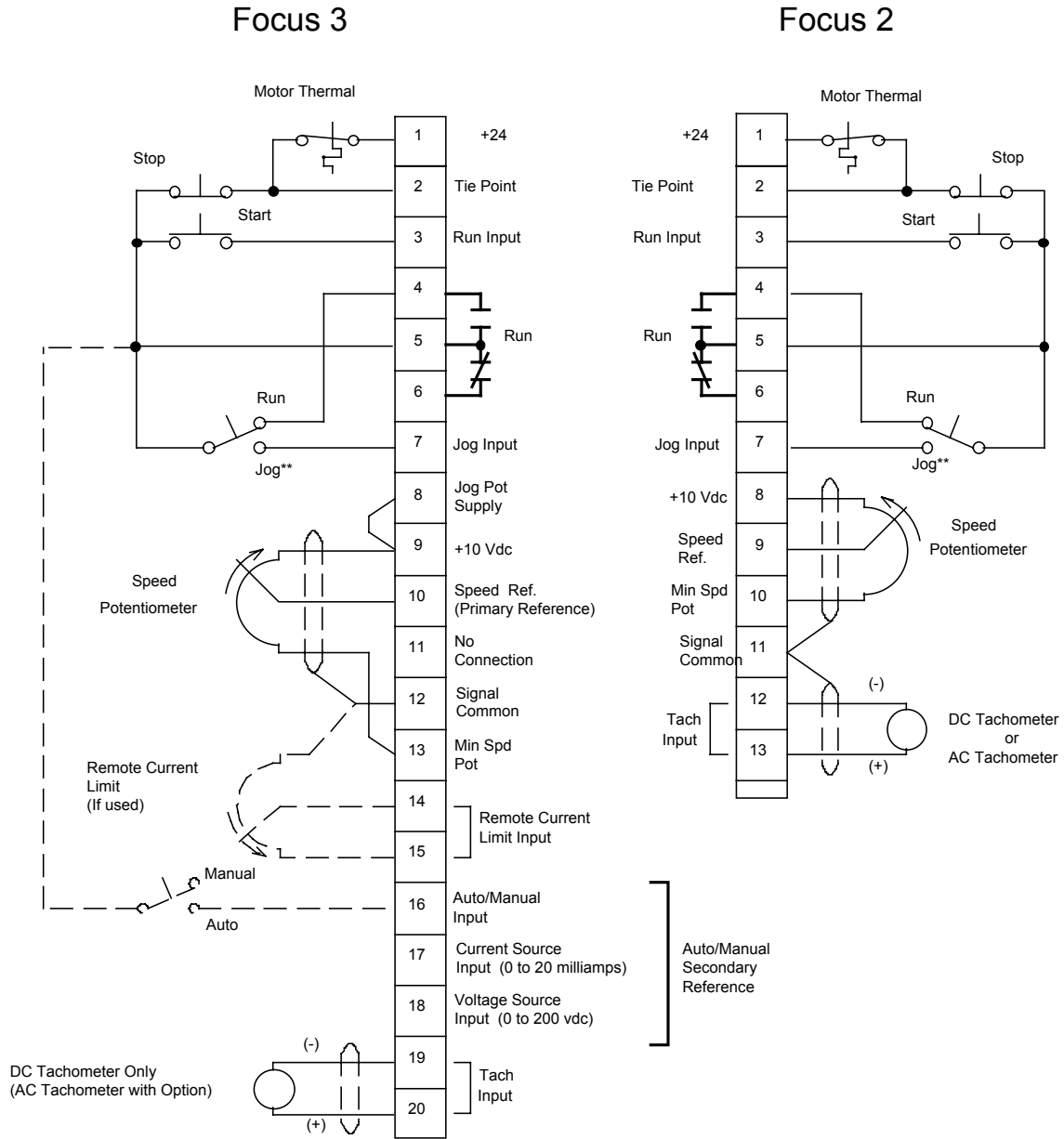


2. Power and signal connections:

- Focus 2 – Power and Motor Connections across the top
Signal Connections down the left side
- Focus 3 – Power and Motor Connections across the bottom
Signal Connections down the right

3. Electrical compatibility:

The Focus 3 is electrically identical to the Focus 2 controller with the exception that the terminal strip connections are slightly different due to the addition of extra standard features. A comparison these two terminal strips are shown below.



4.

Available options:	Focus 3	Focus 2
Jog at Jog Speed	Standard	Optional
Current/Voltage follower	Standard	Optional
Remote Current Limit	Standard	Optional
Nema 4/12**	Standard	Optional
AC Tach Feedback	Optional	Standard
Reference Isolator	Available	Not Available
Reversing Contactor	Focus 3 Regen Drive	Optional

** Enclosed Units