

**ENGINEERING PUBLICATION  
MOTION CONTROL DIVISION**

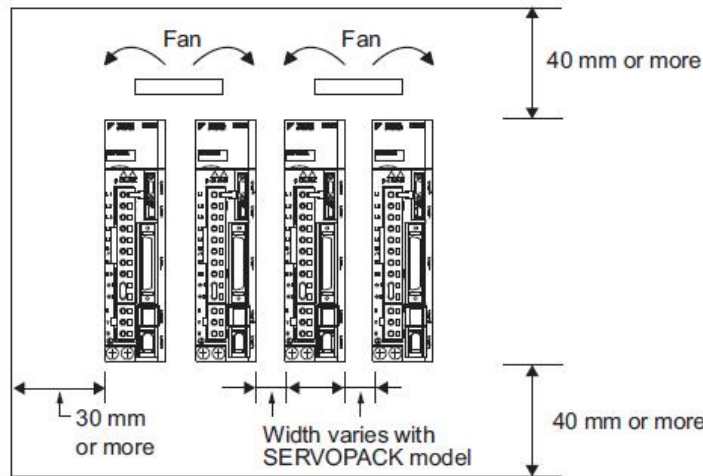
**PRODUCT: Sigma-5 SGDV      SUBJECT: Mounting Spacing of Sigma-5 Amplifiers**

**CATEGORY: Tech Notes      Distribution: Public**

The maximum operating temperature of the SGDV amplifier is 55°C. To prevent the temperature around the SGDV amplifier from exceeding 55°C, take into account the size of the control panel, the layout of the amplifiers, and the cooling method.

Please observe the following guideline on spacing between SGDV Sigma-5 amplifiers when install in a control panel:

- Mounting SERVOPACKs Side by Side in a Control Panel



Leave sufficient space on each side and at the top and the bottom of each SERVOPACK. The width on each side varies in accordance with the models of the SERVOPACKS used.

SERVOPACK Model SGDV-	Side		Top and bottom
	Left	Right	
R70F, R90F, 2R1F, R70A, R90A, 1R6A, 2R8A	1 mm or more		40 mm or more
2R8F, 3R8A, 5R5A, 7R6A	1 mm or more	10 mm or more	
120A, 180A, 200A, 330A, 470A, 550A, 590A, 780A, 1R9D, 3R5D, 5R4D, 8R4D, 120D, 170D, 210D, 260D, 280D, 370D	10 mm or more		

Also install cooling fans above the SERVOPACKs to disperse local pockets of warmer air around the SERVOPACKs.