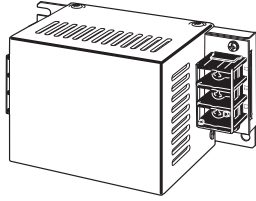


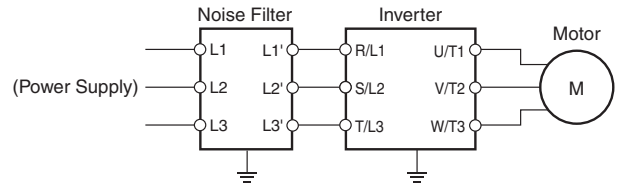
# High-function General-purpose Inverters RX-Series V1 type

## Input Noise Filter 3G3AX-NFI□□

Reduces noise coming into the inverter from the power supply line and noise flowing from the inverter into the power supply line. Connect as close to the Inverter as possible.



### Connection Example



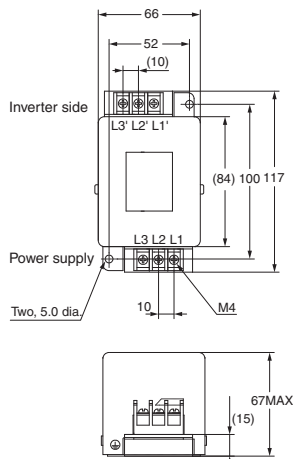
## Specifications

| Voltage class | Max. applicable motor capacity (kw) | Model       | Max. input voltage | Rated input current (at 50°C) | Heat generation (W) | Leakage current at 60 Hz | Case enclosure rating | Terminal size | Wire diameter                                                | Weight (kg) |
|---------------|-------------------------------------|-------------|--------------------|-------------------------------|---------------------|--------------------------|-----------------------|---------------|--------------------------------------------------------------|-------------|
| 200 V class   | 0.4, 0.75                           | 3G3AX-NFI21 | 250V AC +10%       | 6A                            | 3                   | 1.5mA MAX (250V AC)      | Plastic, IP00         | M4            | 1.25 mm <sup>2</sup>                                         | 0.5         |
|               | 1.5                                 | 3G3AX-NFI22 |                    | 10A                           | 4                   |                          | Plastic, IP00         | M4            | 2 mm <sup>2</sup>                                            | 0.6         |
|               | 2.2, 3.7                            | 3G3AX-NFI23 |                    | 20A                           | 6                   |                          | Plastic, IP00         | M4            | 2 mm <sup>2</sup> , 3.5 mm <sup>2</sup>                      | 0.7         |
|               | 5.5                                 | 3G3AX-NFI24 |                    | 30A                           | 9                   |                          | Plastic, IP00         | M4            | 5.5 mm <sup>2</sup>                                          | 0.8         |
|               | 7.5                                 | 3G3AX-NFI25 |                    | 40A                           | 12                  |                          | Plastic, IP00         | M5            | 8 mm <sup>2</sup>                                            | 1.4         |
|               | 11                                  | 3G3AX-NFI26 |                    | 60A                           | 17                  |                          | Plastic, IP00         | M5            | 14 mm <sup>2</sup>                                           | 1.8         |
|               | 15                                  | 3G3AX-NFI27 |                    | 80A                           | 21                  |                          | Metal, IP00           | M6            | 22 mm <sup>2</sup>                                           | 3.6         |
|               | 18.5                                | 3G3AX-NFI28 |                    | 100A                          | 23                  |                          | Metal, IP00           | M8            | 30 mm <sup>2</sup>                                           | 4.6         |
|               | 22, 30                              | 3G3AX-NFI29 |                    | 150A                          | 45                  |                          | Metal, IP00           | M8            | 38 mm <sup>2</sup> , 60 mm <sup>2</sup>                      | 9.0         |
|               | 37                                  | 3G3AX-NFI2A |                    | 200A                          | 50                  |                          | Metal, IP00           | M10           | 100 mm <sup>2</sup> or 38 mm <sup>2</sup> , 2 wires parallel | 16          |
|               | 45                                  | 3G3AX-NFI2B |                    | 250A                          | 68                  |                          | Metal, IP00           | M10           | 100 mm <sup>2</sup> or 38 mm <sup>2</sup> , 2 wires parallel | 16          |
|               | 55                                  | 3G3AX-NFI2C |                    | 300A                          | 56                  |                          | Metal, IP00           | M10           | 150 mm <sup>2</sup> or 60 mm <sup>2</sup> , 2 wires parallel | 23          |
| 400 V class   | 0.4 to 2.2                          | 3G3AX-NFI41 | 480V AC +10%       | 7A                            | 2                   | 7.5mA MAX (480V AC)      | Plastic, IP00         | M4            | 1.25 mm <sup>2</sup> , 2 mm <sup>2</sup>                     | 0.7         |
|               | 3.7                                 | 3G3AX-NFI42 |                    | 10A                           | 4                   |                          | Plastic, IP00         | M4            | 2 mm <sup>2</sup>                                            | 0.7         |
|               | 5.5, 7.5                            | 3G3AX-NFI43 |                    | 20A                           | 6                   |                          | Plastic, IP00         | M4            | 2 mm <sup>2</sup> , 3.5 mm <sup>2</sup>                      | 0.7         |
|               | 11                                  | 3G3AX-NFI44 |                    | 30A                           | 9                   |                          | Plastic, IP00         | M4            | 5.5 mm <sup>2</sup>                                          | 0.8         |
|               | 15                                  | 3G3AX-NFI45 |                    | 40A                           | 12                  |                          | Plastic, IP00         | M5            | 8 mm <sup>2</sup>                                            | 1.4         |
|               | 18.5                                | 3G3AX-NFI46 |                    | 50A                           | 15                  |                          | Plastic, IP00         | M5            | 14 mm <sup>2</sup>                                           | 1.6         |
|               | 22                                  | 3G3AX-NFI47 |                    | 60A                           | 17                  |                          | Plastic, IP00         | M5            | 14 mm <sup>2</sup>                                           | 1.8         |
|               | 30                                  | 3G3AX-NFI48 |                    | 80A                           | 21                  |                          | Metal, IP00           | M6            | 22 mm <sup>2</sup>                                           | 3.6         |
|               | 37                                  | 3G3AX-NFI49 |                    | 100A                          | 23                  |                          | Metal, IP00           | M8            | 38 mm <sup>2</sup>                                           | 4.6         |
|               | 45, 55                              | 3G3AX-NFI4A |                    | 150A                          | 45                  |                          | Metal, IP00           | M8            | 38 mm <sup>2</sup> , 60 mm <sup>2</sup>                      | 9.0         |

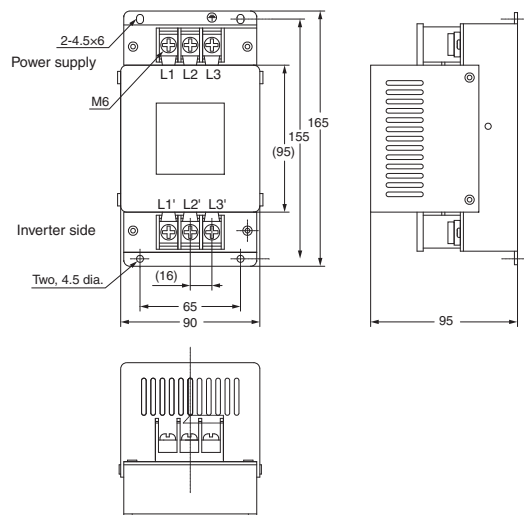
**Note:** Select options by the maximum applicable motor capacity of heavy and light load rating.

## Dimensions (Unit: mm)

3G3AX-NFI21  
3G3AX-NFI22

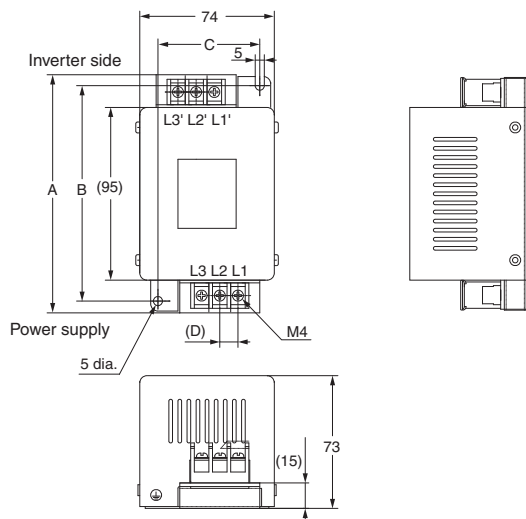


3G3AX-NFI25/3G3AX-NFI26  
3G3AX-NFI45/3G3AX-NFI46  
3G3AX-NFI47



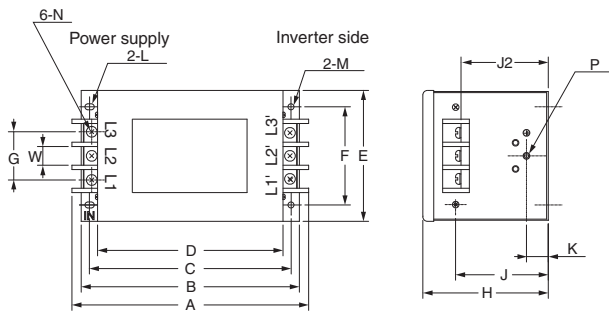
# High-function General-purpose Inverters RX-Series V1 type

3G3AX-NFI23/3G3AX-NFI24  
3G3AX-NFI41/3G3AX-NFI42  
3G3AX-NFI43/3G3AX-NFI44



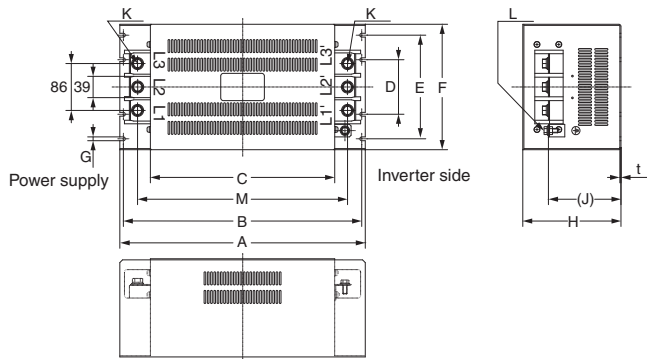
| Model       | Dimensions (mm) |     |    |    |
|-------------|-----------------|-----|----|----|
|             | A               | B   | C  | D  |
| 3G3AX-NFI23 | 128             | 118 | 56 | 10 |
| 3G3AX-NFI24 | 144             | 130 | 56 | 11 |
| 3G3AX-NFI41 | 144             | 130 | 56 | 11 |
| 3G3AX-NFI42 | 144             | 130 | 56 | 11 |
| 3G3AX-NFI43 | 144             | 130 | 56 | 11 |
| 3G3AX-NFI44 | 144             | 130 | 56 | 11 |

3G3AX-NFI27/3G3AX-NFI28  
3G3AX-NFI29/3G3AX-NFI48  
3G3AX-NFI49/3G3AX-NFI4A



| Model       | Dimensions (mm) |     |     |     |     |     |    |     |    |    |    |                |          |    |    |    |
|-------------|-----------------|-----|-----|-----|-----|-----|----|-----|----|----|----|----------------|----------|----|----|----|
|             | A               | B   | C   | D   | E   | F   | G  | H   | J  | J2 | K  | L              | M        | N  | P  | W  |
| 3G3AX-NFI27 | 217             | 200 | 185 | 170 | 120 | 90  | 44 | 115 | 85 | 82 | 20 | R2.75 Length 7 | 5.5 dia. | M6 | M4 | 17 |
| 3G3AX-NFI28 | 254             | 230 | 215 | 200 | 150 | 120 | 57 | 115 | 80 | 75 | 30 | R3.75 Length 8 | 6.5 dia. | M8 | M6 | 23 |
| 3G3AX-NFI29 | 314             | 300 | 280 | 260 | 200 | 170 | 57 | 130 | 90 | 85 | 35 | R3.75 Length 8 | 6.5 dia. | M8 | M6 | 23 |
| 3G3AX-NFI48 | 217             | 200 | 185 | 170 | 120 | 90  | 44 | 115 | 85 | 82 | 20 | R2.75 Length 7 | 5.5 dia. | M6 | M4 | 17 |
| 3G3AX-NFI49 | 254             | 230 | 215 | 200 | 150 | 120 | 57 | 115 | 80 | 75 | 30 | R3.75 Length 8 | 6.5 dia. | M8 | M6 | 23 |
| 3G3AX-NFI4A | 314             | 300 | 280 | 260 | 200 | 170 | 57 | 130 | 90 | 85 | 35 | R3.75 Length 8 | 6.5 dia. | M8 | M6 | 23 |

3G3AX-NFI2A/3G3AX-NFI2B  
3G3AX-NFI2C



| Model       | Dimensions (mm) |     |     |     |     |     |    |     |       |     |    |     |     |
|-------------|-----------------|-----|-----|-----|-----|-----|----|-----|-------|-----|----|-----|-----|
|             | A               | B   | C   | D   | E   | F   | G  | H   | J     | K   | L  | M   | N   |
| 3G3AX-NFI2A | 450             | 430 | 338 | 100 | 190 | 230 | 7  | 180 | (133) | M10 | M8 | 385 | 1.0 |
| 3G3AX-NFI2B | 500             | 475 | 400 | -   | 160 | 200 | 12 | 180 | (133) | M10 | M8 | 445 | 1.2 |
| 3G3AX-NFI2C |                 |     |     |     |     |     |    |     |       |     |    |     |     |