

# SPECIFICATIONS

## VAM-FA8

Ventilation



VAM800FA

| VAM-FA                              |                               |            | 150                                                                     | 250   | 350             | 500       | 650             | 800     | 1000          | 1500          | 2000           |    |
|-------------------------------------|-------------------------------|------------|-------------------------------------------------------------------------|-------|-----------------|-----------|-----------------|---------|---------------|---------------|----------------|----|
| Temperature exchange efficiency (%) |                               |            | ultra-high                                                              | 74    | 72              | 75        | 74              | 74      | 74            | 75            | 75             | 75 |
|                                     |                               |            | high                                                                    | 74    | 72              | 75        | 74              | 74      | 74            | 75            | 75             | 75 |
|                                     |                               |            | low                                                                     | 79    | 77              | 80        | 77              | 77      | 76            | 76.5          | 78             | 78 |
| Enthalpy exchange efficiency (%)    | for heating                   | ultra-high | 64                                                                      | 64    | 65              | 62        | 63              | 65      | 66            | 66            | 66             |    |
|                                     |                               | high       | 64                                                                      | 64    | 65              | 62        | 63              | 65      | 66            | 66            | 66             |    |
|                                     |                               | low        | 69                                                                      | 68    | 70              | 67        | 66              | 67      | 68            | 68            | 70             |    |
|                                     | for cooling                   | ultra-high | 58                                                                      | 58    | 61              | 58        | 58              | 60      | 61            | 61            | 61             |    |
|                                     |                               | high       | 58                                                                      | 58    | 61              | 58        | 58              | 60      | 61            | 61            | 61             |    |
|                                     |                               | low        | 64                                                                      | 62    | 67              | 63        | 63              | 62      | 63            | 64            | 66             |    |
| Power supply                        |                               | VE         | 1 ~, 220~240V, 50Hz                                                     |       |                 |           |                 |         |               |               |                |    |
| Sound pressure level dB(A)          | heat exchange mode            | ultra-high | 27-28.5                                                                 | 28-29 | 32-34           | 33-34.5   | 34.5-35.5       | 36-37   | 36-37         | 39.5-41.5     | 40-42.5        |    |
|                                     |                               | high       | 26-27.5                                                                 | 26-27 | 31.5-33         | 31.5-33   | 33-34           | 34.5-36 | 35-36         | 38-39         | 38-41          |    |
|                                     |                               | low        | 20.5-21.5                                                               | 21-22 | 23.5-26         | 24.5-26.5 | 27-28           | 31-32   | 31-32         | 34-36         | 35-37          |    |
|                                     | bypass mode                   | ultra-high | 27-28.5                                                                 | 28-29 | 32-34           | 33.5-34.5 | 34.5-35.5       | 36-37   | 36-37         | 40.5-41.5     | 40-42.5        |    |
|                                     |                               | high       | 26.5-27.5                                                               | 27-28 | 31-32.5         | 32.5-33.5 | 34-35           | 34.5-36 | 35.5-36       | 38-39         | 38-41          |    |
|                                     |                               | low        | 20.5-21.5                                                               | 21-22 | 24.5-26.5       | 25.5-27.5 | 27-28.5         | 31-33   | 31-32         | 33.5-36       | 35-37          |    |
| Casing                              |                               |            | Galvanised steel plate                                                  |       |                 |           |                 |         |               |               |                |    |
| Insulation material                 |                               |            | Self-extinguishable urethane foam                                       |       |                 |           |                 |         |               |               |                |    |
| Dimensions                          | H x W x D                     | mm         | 269 x 760 x 509                                                         |       | 285 x 812 x 800 |           | 348 x 988 x 852 |         | 348x988x1,140 | 710x1,498x852 | 10x1,498x1,140 |    |
| Weight                              |                               | kg         | 24                                                                      |       | 33              |           | 48              |         | 61            | 132           | 158            |    |
| Heat exchange system                |                               |            | Air to air cross flow total heat (sensible heat + latent heat) exchange |       |                 |           |                 |         |               |               |                |    |
| Heat exchange element material      |                               |            | Specially processed non-flammable paper                                 |       |                 |           |                 |         |               |               |                |    |
| Air filter                          |                               |            | Multidirectional fibrous fleeces                                        |       |                 |           |                 |         |               |               |                |    |
| Fan                                 | type                          |            | Sirroco fan                                                             |       |                 |           |                 |         |               |               |                |    |
|                                     | air flow rate (m³/h)          | ultra-high | 150                                                                     | 250   | 350             | 500       | 650             | 800     | 1,000         | 1,500         | 2,000          |    |
|                                     |                               | high       | 150                                                                     | 250   | 350             | 500       | 650             | 800     | 1,000         | 1,500         | 2,000          |    |
|                                     |                               | low        | 110                                                                     | 155   | 230             | 350       | 500             | 670     | 870           | 1,200         | 1,400          |    |
|                                     | external static pressure (Pa) | ultra-high | 69                                                                      | 64    | 98              | 98        | 93              | 137     | 157           | 137           | 137            |    |
|                                     |                               | high       | 39                                                                      | 39    | 70              | 54        | 39              | 98      | 98            | 98            | 78             |    |
|                                     |                               | low        | 20                                                                      | 20    | 25              | 25        | 25              | 49      | 78            | 49            | 59             |    |
| Motor output                        |                               | kW         | 0.030 x 2                                                               |       | 0.090 x 2       |           | 0.140 x 2       |         | 0.230 x 2     |               | 0.230 x 4      |    |
| Connection duct diameter            |                               | mm         | Ø 100                                                                   | Ø 150 |                 | Ø 200     |                 | Ø 250   |               | Ø 350         |                |    |
| Unit ambient condition              |                               |            | -15°C ~ +50°CDB, 80% RH or less                                         |       |                 |           |                 |         |               |               |                |    |

### Notes:

- > Air flow rate can be changed over to low mode or high mode.
- > Sound pressure level is measured at 1.5m below the center of the body.
- > Sound pressure level is measured in an anechoic chamber.
- > Sound pressure levels generally become higher than this value depending on the operating conditions, reflected sound, and peripheral noise.
- > The sound pressure level at the air discharge port is about 8dB higher than the unit's sound level.
- > Even when the outdoor temperature is below -15°C, the system is operable down to -20°C with the preheater installed at the outdoor air intake side.

