

# 1. List of Functions

## ◆ Basic functions of Indoor Unit

| Category      | Functions                                             | LZ-H025GBA4<br>LZ-H035GBA5<br>LZ-H050GBA5 | LZ-H080GBA5<br>LZ-H100GBA5<br>LZ-H150GBA5<br>LZ-H200GBA5 |
|---------------|-------------------------------------------------------|-------------------------------------------|----------------------------------------------------------|
| Air flow      | Air supply outlet                                     | 1                                         | 1                                                        |
|               | Airflow steps (fan/cool/heat)                         | 3 / - / -                                 | 3 / - / -                                                |
|               | CO <sub>2</sub> Sensor (AHCS100H0)                    | O                                         | O                                                        |
| Air purifying | Long-life prefilter (washable / non-flamable)         | O                                         | O                                                        |
|               | High performance Filter (ISO ePM <sub>1</sub> 75% **) | O (Accessory)                             | X                                                        |
| Installation  | Drain pump                                            | X                                         | X                                                        |
|               | E.S.P. control*                                       | O                                         | O                                                        |
| Reliability   | Self diagnosis                                        | O                                         | O                                                        |
| Convenience   | Auto Restart                                          | O                                         | O                                                        |
|               | Child lock*                                           | O                                         | O                                                        |
|               | Forced operation                                      | O                                         | O                                                        |
|               | Group control*                                        | O                                         | O                                                        |
|               | Sleep mode                                            | X                                         | X                                                        |
|               | Timer(on/off)                                         | O                                         | O                                                        |
|               | Timer(weekly)*                                        | O                                         | O                                                        |
|               | Two thermistor control*                               | X                                         | X                                                        |

### Note

1. O : Applied, X : Not applied

Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.  
Accessory line-ups varies by region, so check your local catalogue or local sales material.

2. Some functions can be limited by remote controller.

3. \* : These functions need to connect the wired remote controller.

\*\* : It is accordance with EN ISO 16890:2016.

# 1. List of Functions

## ◆ Network solution Accessory List

| Category                   |                                                           | Product        | Remark                                | LZ-H025GBA4<br>LZ-H035GBA5 LZ-H050GBA5<br>LZ-H080GBA5 LZ-H100GBA5<br>LZ-H150GBA5 LZ-H200GBA5 |
|----------------------------|-----------------------------------------------------------|----------------|---------------------------------------|----------------------------------------------------------------------------------------------|
| Wireless Remote Controller |                                                           | PQWRHQ0FDB     | Heat Pump                             | X                                                                                            |
| Wired Remote Controller    | Simple                                                    | PQRCVCL0Q(W)   | Simple                                | X                                                                                            |
|                            |                                                           | PQRCHCA0Q(W)   | for Hotel                             | X                                                                                            |
|                            | Standard                                                  | PREMTB001      | Standard II (White)                   | O                                                                                            |
|                            |                                                           | PREMTBB01      | Standard II (Black)                   | O                                                                                            |
|                            |                                                           | PREMTB100 **   | Standard III (White)                  | O                                                                                            |
|                            |                                                           | PREMTBB10 **   | Standard III (Black)                  | O                                                                                            |
|                            | Premium                                                   | PREMTA000(A/B) | Premium                               | O                                                                                            |
| Dry contact                | Simple Contact                                            | PDRYCB000      | Simple Dry Contact                    | O                                                                                            |
|                            | Communication type                                        | PDRYCB400      | 2 Points Dry Contact<br>(For Setback) | X                                                                                            |
|                            |                                                           | PDRYCB300      | For 3rd party Thermostat              | X                                                                                            |
|                            |                                                           | PDRYCB500      | For Modbus                            | O                                                                                            |
| Gateway                    | IDU PI485                                                 | PHNFP14A0      | Connected with the Indoor Units       | O                                                                                            |
|                            | BACnet                                                    | PQNFB17C0      | ACP BACnet                            | O                                                                                            |
|                            | Lonworks                                                  | PLNWKB000      | ACP Lonworks                          | O                                                                                            |
|                            | Modbus                                                    | PMBUSB00A      | Modbus RTU                            | O                                                                                            |
| Central Controller         | Simple                                                    | PQCSZ250S0     | AC Ez                                 | O                                                                                            |
|                            | AC Ez Touch                                               | PACEZA000      | AC Ez Touch                           | O                                                                                            |
|                            | AC Smart                                                  | PACS4B000      | AC Smart IV                           | O                                                                                            |
|                            |                                                           | PACS5A000      | AC Smart 5                            | O                                                                                            |
|                            | ACP                                                       | PACP4B000      | ACP IV                                | O                                                                                            |
|                            |                                                           | PACP5A000      | ACP 5                                 | O                                                                                            |
|                            | AC Manager                                                | PACM5A000      | AC Manager 5                          | O                                                                                            |
| ETC                        | Remote temperature sensor                                 | PQRSTA0        | -                                     | X                                                                                            |
|                            | Zone controller                                           | ABZCA          | -                                     | X                                                                                            |
|                            | CO <sub>2</sub> Sensor                                    | AHCS100H0      | Internal type                         | O                                                                                            |
|                            | Group control wire                                        | PZCWRCG3       | 0.25m                                 | X                                                                                            |
|                            | 2-Remo Control Wire                                       | PZCWRC2        | 0.25m                                 | X                                                                                            |
|                            | Extension Wire                                            | PZCWRC1        | 10m                                   | X                                                                                            |
|                            | High performance Filter<br>(ISO ePM <sub>1</sub> 75% ***) | AHFT035H0      | 250 CMH                               | O                                                                                            |
|                            |                                                           | AHFT050H0      | 350, 500 CMH                          | O                                                                                            |

### Note

1. O: Possible, X: Impossible, - : Not applicable
2. \* : Some advanced functions controlled by individual controller cannot be operated.
3. \*\* : It could not be operated some functions.
4. If you need more detail, please refer to the **BECON** PDB or the manual of product. (<http://partner.lge.com/global> : Home> Doc.Library> Product> Control(BECON))

\*\*\* : It is accordance with EN ISO 16890:2016.

## 2. Specifications

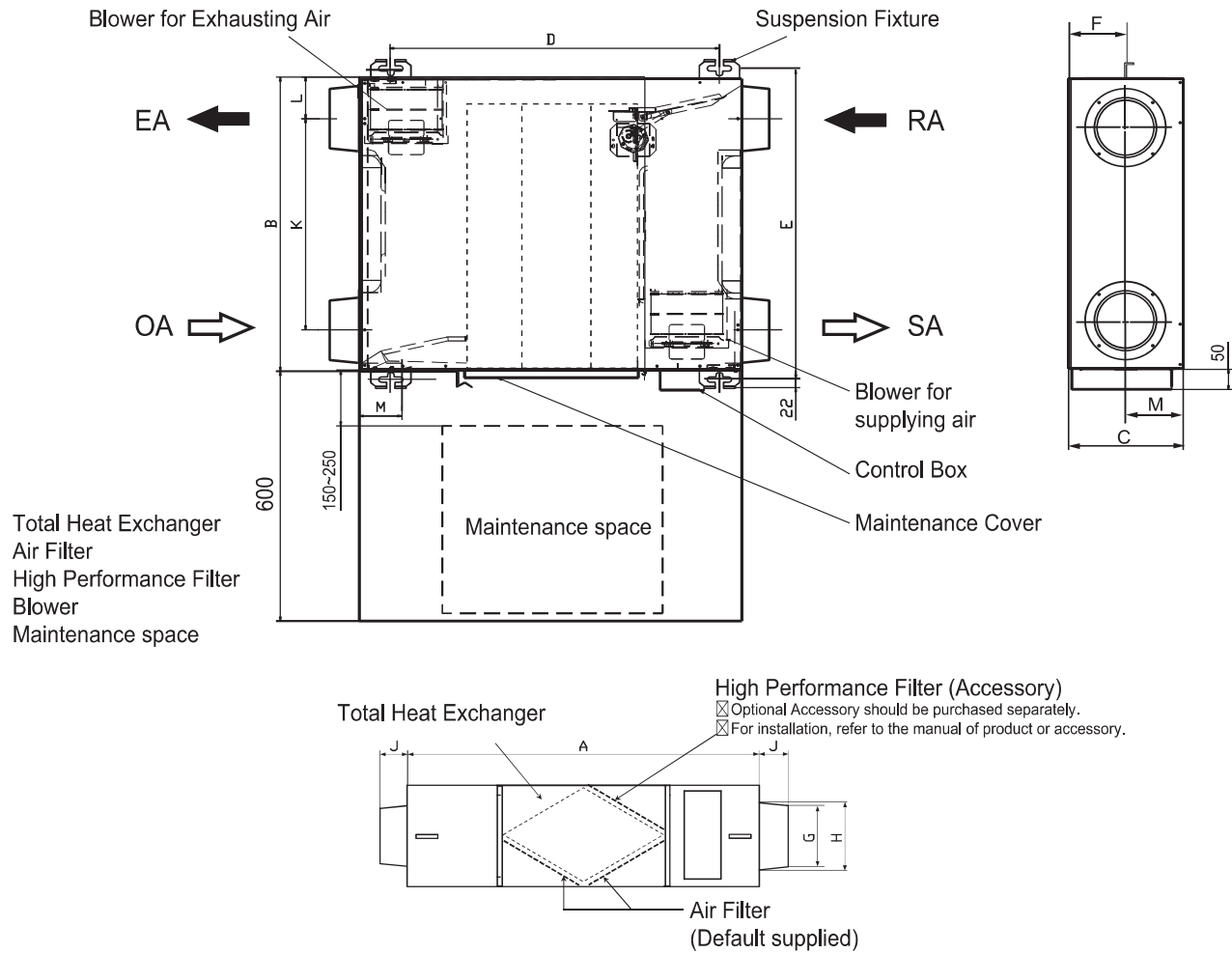
| Model            |                                 |                         | Unit       | LZ-H035GBA5                            | LZ-H050GBA5                            |
|------------------|---------------------------------|-------------------------|------------|----------------------------------------|----------------------------------------|
| Nominal Capacity |                                 |                         | CMH (CFM)  | 350 (206)                              | 500 (294)                              |
| Power Supply     |                                 |                         | Ø, V, Hz   | 1 , 220 - 240 , 50                     |                                        |
| ERV mode         | Step                            |                         | -          | SUPER-HIGH / HIGH / LOW                |                                        |
|                  | Current                         | SH / H / L              | Amps       | 1.05 / 0.90 / 0.50                     | 1.65 / 1.56 / 0.80                     |
|                  | Power Input                     | SH / H / L              | W          | 150 / 125 / 60                         | 247 / 230 / 95                         |
|                  | Air Flow                        | SH / H / L              | CMH (CFM)  | 350 / 350 / 210<br>(206 / 206 / 123)   | 500 / 500 / 320<br>(294 / 294 /188)    |
|                  | External Static Pressure        | SH / H / L              | Pa (inWTR) | 150 / 100 / 50<br>(0.60 / 0.40 / 0.20) | 150 / 100 / 50<br>(0.60 / 0.40 / 0.20) |
|                  | Temperature Exchange Efficiency | SH / H / L              | %          | 79.0 / 79.0 / 82.0                     | 78.0 / 78.0 / 81.0                     |
|                  | Enthalpy Exchange Efficiency    | Heating<br>(SH / H / L) | %          | 75 / 75 / 80                           | 75 / 75 / 78                           |
|                  |                                 | Cooling<br>(SH / H / L) | %          | 71 / 71 / 75                           | 68 / 68 / 75                           |
|                  | Sound Pressure Level            | SH / H / L              | dB(A)      | 35 / 32 / 26                           | 37 / 36 / 28                           |
|                  | Sound Power Level               | SH / H / L              | dB(A)      | 53 / 50 / 42                           | 57 / 56 / 46                           |
| Bypass mode      | Step                            |                         | -          | Super-high / High / Low                |                                        |
|                  | Current                         | SH / H / L              | Amps       | 1.05 / 0.90 / 0.50                     | 1.65 / 1.56 / 0.80                     |
|                  | Power Input                     | SH / H / L              | W          | 150 / 125 / 60                         | 247 / 230 / 95                         |
|                  | Air Flow                        | SH / H / L              | CMH (CFM)  | 350 / 350 / 210<br>(206 / 206 / 123)   | 500 / 500 / 320<br>(294 / 294 /188)    |
|                  | External Static Pressure        | SH / H / L              | Pa (inWTR) | 150 / 100 / 50<br>(0.60 / 0.40 / 0.20) | 150 / 100 / 50<br>(0.60 / 0.40 / 0.20) |
|                  | Sound Pressure Level            | SH / H / L              | dB(A)      | 35 / 33 / 26                           | 37 / 37 / 28                           |
| Heat Exchanger   |                                 | Type                    | -          | Air to Air cross flow heat exchange    |                                        |
| Net Weight       |                                 |                         | kg         | 44                                     |                                        |
| Dimension        |                                 | W x H x D               | mm         | 988 × 273 × 1,014                      |                                        |
| Duct work*       | Qty                             |                         | EA         | 4                                      |                                        |
|                  | Size (Ø)                        |                         | mm         | Φ200                                   |                                        |
| Supply Air Fan   | Qty                             |                         | EA         | 1                                      |                                        |
|                  | Type                            |                         | -          | Direct-Drive Sirocco                   |                                        |
| Exhaust Air Fan  | Qty                             |                         | EA         | 1                                      |                                        |
|                  | Type                            |                         | -          | Direct-Drive Sirocco                   |                                        |
| Filters          | Qty                             |                         | EA         | 2                                      |                                        |
|                  | Type                            |                         | -          | Cleanable fibrous fleeces              |                                        |
|                  | Size<br>(W x H x D)             |                         | mm         | 855 × 10 × 166                         |                                        |

### Note

- Due to our policy of innovation some specifications may be changed without notification.
  - ERV mode: Total Heat Recovery Ventilation mode
  - Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.  
The Sound pressure level at the air discharge port is about 8dB(A) higher than the unit's operating sound.
  - Temperature and Enthalpy Exchange Efficiency are based on the following conditions.  
Temperature Exchange Efficiency is tested at heating condition.
    - Cooling : Indoor Ambient Temp. 26.5°CDB / 64.5%RH, Outdoor Ambient Temp. 34.5°CDB / 75%RH
    - Heating : Indoor Ambient Temp. 20.5°CDB / 59.5%RH, Outdoor Ambient Temp. 5°CDB / 65%RH
- \* : Refer to dimensional drawings.

### 3. Dimensional Drawings

#### ◆ LZ-H035GBA5 / LZ-H050GBA5



Unit : mm

| Model                      | Figure |     |     | Pitch of Suspension Fixture |       |     | Nominal Diameter | Duct Connection Flange |     |    | Duct Pitch |     |     |
|----------------------------|--------|-----|-----|-----------------------------|-------|-----|------------------|------------------------|-----|----|------------|-----|-----|
|                            | A      | B   | C   | D                           | E     | F   |                  | G                      | H   | J  | K          | L   | M   |
| LZ-H035GBA5<br>LZ-H050GBA5 | 1,014  | 988 | 273 | 939                         | 1,025 | 135 | 200              | 194                    | 252 | 96 | 590        | 198 | 135 |