## 10,12HP (28.0kW, 33.5kW)







**Nominal Cooling Capacity** Model No.

FDC280CKXZA2S 28.0kW FDC335CKXZA2S 33.5kW

- The KXZ2 PLUS series has a layered design and a refined new form.
- Connect up to 44 indoor units/up to 200% capacity.
- · High efficiency with EER up to 3.86.

### New!





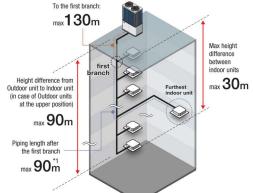
To the first branch: Cooling use in high ambient temperature Total length:

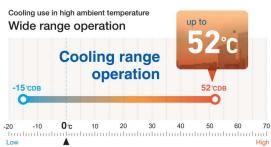
1.000<sub>m</sub>

**Furthest indoor unit:** 

Actual length: 160m Equivalent length: 185m

\*1 The difference between the longest and the shortest indoor unit piping from the first branch must be within 40m. (MAX85m)



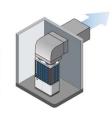


\* With limitation to piping length and height difference between indoor and outdoor units.

#### Extended external static pressure

50 Pa to

Flexibility to meet installation location needs.



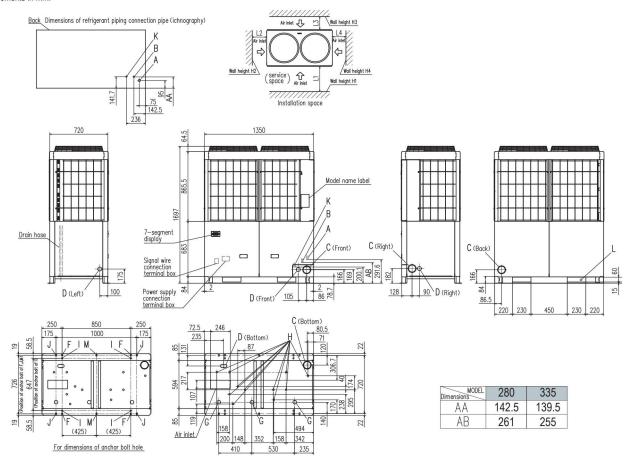
## **Specifications**

| Item                       |                           |        | Model                  | FDC280CKXZA2S            | FDC335CKXZA2S |  |  |
|----------------------------|---------------------------|--------|------------------------|--------------------------|---------------|--|--|
| Nominal horse power        |                           |        |                        | 10HP                     | 12HP          |  |  |
| Power source               |                           |        | 3 Phase 380-415V, 50Hz |                          |               |  |  |
| Starting current A 5       |                           |        |                        |                          | 5             |  |  |
| Max current                |                           |        | А                      | 20                       | ).1           |  |  |
| Nominal capacity           | Cooling                   |        | kW                     | 28.0                     | 33.5          |  |  |
| Electrical characteristics | Power consumption Cooling |        | kW                     | 7.25                     | 8.98          |  |  |
| Exterior dimensions        | HxWxD                     |        | mm                     | 1697x1350x720            |               |  |  |
| Net weight                 |                           |        | kg                     | 28                       | 38            |  |  |
| Sound pressure level       | Cooling                   |        | dB(A)                  | 56                       | 63            |  |  |
| Defriesrent                | Type / GWP                |        |                        | R410A / 2088             |               |  |  |
| Refrigerant                | Charge                    |        | kg/TCO2Eq              | 11.0/                    | 22.968        |  |  |
| Refrigerant piping         | Liquid line               |        | mama/im\               | ø9 <b>.</b> 52(3/8")     | ø12.7(1/2")   |  |  |
| size Gas line              |                           | mm(in) | ø22 <b>.</b> 22(7/8")  | ø25.4(1") [ø22.22(7/8")] |               |  |  |
| Capacity connection %      |                           |        | %                      | 50-200                   |               |  |  |
| Number of connectabl       | e indoor units            |        |                        | 37                       | 44            |  |  |

1. The data are measured under the following conditions(ISO-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB.
2. Sound pressure level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
3. 'tonne(s) of CO: equivalent' means a quantity of greenhouse gases- expressed as the product of the weight of the greenhouse gases in metric tonnes and of their global warming potential.
4. [] : Pipe sizes applicable to European installations are shown in parentheses.

### **Dimensions**

All measurements in mm.

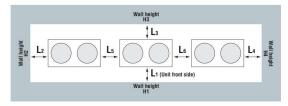


| Mark | Content   | 280                            | 335                       |
|------|---|--------------------------------|---------------------------|
| Α    | Refrigerant gas piping connection pipe              | ø22.22(Brazing)                | ø25.4(Brazing)            |
| В    | Refrigerant liquid piping connection pipe           | ø9.52(Flare)                   | ø12.7(Flare)              |
| C    | Refrigerant piping exit hole                        | ø88(or                         | ø100)                     |
| D    | Power supply entry hole                             | ø50 (right · left · front), lo | ong hole 40 x 80 (bottom) |
| F    | Anchor bolt hole                                    | M10 x 4                        | 4 places                  |
| G    | Drain waste water hose hole                         | ø45 x 3                        | 3 places                  |
| Н    | Drain hole  | ø20 x 1                        | 1 places                  |
| K    | Refrigerant oil equalization piping connection pipe | ø9.52                          | (Flare)                   |
| L    | Carrying in or hole for hanging                     | 230                            | x 60                      |

| Installation example |          |          |  |  |  |  |
|----------------------|----------|----------|--|--|--|--|
| imensions            | 1        | 2        |  |  |  |  |
| Lı                   | 500      | Open     |  |  |  |  |
| L <sub>2</sub>       | 10(30)   | 10(30)   |  |  |  |  |
| L <sub>3</sub>       | 100      | 100      |  |  |  |  |
| L <sub>4</sub>       | 10(30)   | Open     |  |  |  |  |
| H <sub>1</sub>       | 1500     | Open     |  |  |  |  |
| H <sub>2</sub>       | No limit | No limit |  |  |  |  |
| Нз                   |          |          |  |  |  |  |
| H <sub>4</sub>       | No limit | Open     |  |  |  |  |

() :In case it is the promised installation location that the outdoor unit is used on conditions with the ambient temperature of 43°C or more.

#### When more than one unit is installed



| Installation example |          |          |  |  |  |  |  |
|----------------------|----------|----------|--|--|--|--|--|
| Dimensions           | 1        | 2        |  |  |  |  |  |
| L <sub>1</sub>       | 500      | Open     |  |  |  |  |  |
| L <sub>2</sub>       | 10(30)   | 200      |  |  |  |  |  |
| L <sub>3</sub>       | 100      | 300      |  |  |  |  |  |
| L <sub>4</sub>       | 10(30)   | Open     |  |  |  |  |  |
| L <sub>5</sub>       | 10(30)   | 400      |  |  |  |  |  |
| L <sub>6</sub>       | 10(30)   | 400      |  |  |  |  |  |
| H <sub>1</sub>       | 1500     | Open     |  |  |  |  |  |
| H <sub>2</sub>       | No limit | No limit |  |  |  |  |  |
| Нз                   | 1000     | No limit |  |  |  |  |  |
| H <sub>4</sub>       | No limit | Open     |  |  |  |  |  |

## 14-20 HP (40.0kW-56.0kW)







**Nominal Cooling Capacity** Model No.

FDC400CKXZA2S 40.0kW FDC450CKXZA2S 45.0kW FDC475CKXZA2S 47.5kW FDC500CKXZA2S 50.0kW FDC560CKXZA2S 56.0kW

- The KXZ2 PLUS series has a layered design and a refined new form.
- Connect up to 59 indoor units/up to 160% capacity. (FDC400 450:200%)
- High efficiency with EER up to 3.64.





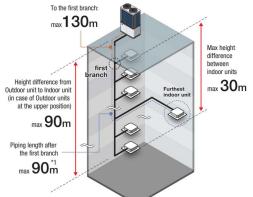
Uniform footprint of all models allows continuous side-by-side installation

Total length: **1,000**<sub>m</sub>

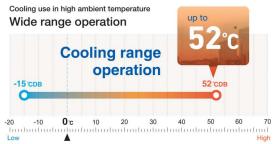
Furthest indoor unit:

Actual length: 160m Equivalent length: 185m

\*1 The difference between the longest and the shortest indoor unit piping from the first branch must be within 40m. (MAX85m)



New!



\* With limitation to piping length and height difference between indoor and outdoor units.

#### Extended external static pressure

50<sub>Pa</sub> to  $85_{Pa}$ 

Flexibility to meet installation location needs.



## **Specifications**

| Item                                | Item              |         |           | FDC400CKXZA2S FDC450CKXZA2S FDC475CKXZA2S FDC500CKXZA2S FDC560CKXZA |                |              |      |       |
|-------------------------------------|-------------------|---------|-----------|---|----------------|--------------|------|-------|
| Nominal horse power                 |                   |         |           | 14HP  | 16HP           | 17HP         | 18HP | 20HP  |
| Power source 3 Phase 380-415V, 50Hz |                   |         |           |   |                |              |      |       |
| Starting current A 5                |                   |         |           |   |                |              |      |       |
| Max current                         |                   |         | А         | 32  | 2.0            |              | 40.2 |       |
| Nominal capacity                    | Cooling           |         | kW        | 40.0  | 45.0           | 47.5         | 50.0 | 56.0  |
| Electrical characteristics          | Power consumption | Cooling | kW        | 10.98   | 13.98          | 13.97 14.01  |      | 17.50 |
| Exterior dimensions                 | HxWxD             |         | mm        | 2052x1350x720   |                |              |      |       |
| Net weight                          |                   |         | kg        | 332 378   |                |              |      |       |
| Sound pressure level                | Cooling           |         | dB(A)     | 60  | 61             | 61           | 61   | 63    |
| Defrigerent                         | Type / GWP        |         |           |   |                | R410A / 2088 |      |       |
| Refrigerant                         | Charge            |         | kg/TCO2Eq | 11.5 / 24.012   |                |              |      |       |
| Refrigerant piping                  | Liquid line       |         |           |   |                | ø12.7(1/2")  |      |       |
| size                                | Gas line          |         | mm(in)    | ø25.4(1")<br>[ø28.58(1·1/8")]                                       | ø28.58(1·1/8") |              |      |       |
| Capacity connection %               |                   |         |           | 50-200 50-160   |                |              |      |       |
| Number of connectable               | e indoor units    | •       |           | 53  | 60             | 50           | 53   | 59    |

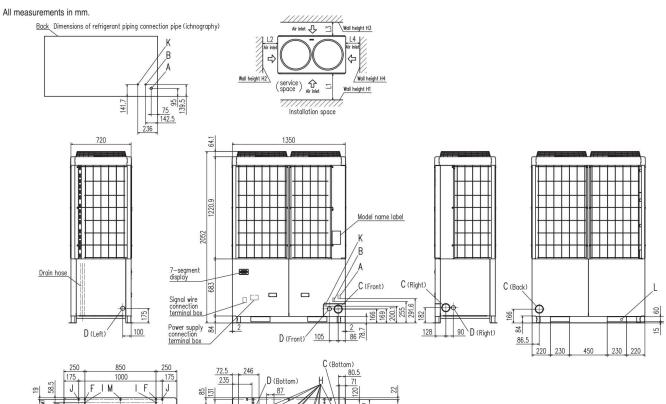
1. The data are measured under the following conditions(ISO-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB.
2. Sound pressure level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
3. 'tonne(s) of CO- equivalent' means a quantity of greenhouse gases- expressed as the product of the weight of the greenhouse gases in metric tonnes and of their global warming potential.
4. [] : Pipe sizes applicable to European installations are shown in parentheses.

## **Dimensions**

58.5

726 anchor bolt of F,J,M) 647 of anchor bolt of I)

For dimensions of anchor bolt hole



| Mark | Content   | 400                            | 450, 475, 500, 560        |
|------|---|--------------------------------|---------------------------|
| Α    | Refrigerant gas piping connection pipe              | ø25.4(Brazing)                 | ø28.58(Brazing)           |
| В    | Refrigerant liquid piping connection pipe           | ø12.7                          | (Flare)                   |
| C    | Refrigerant piping exit hole                        | ø88(or                         | ø100)                     |
| D    | Power supply entry hole                             | ø50 (right · left · front), lo | ong hole 40 x 80 (bottom) |
| F    | Anchor bolt hole                                    | M10 x 4                        | l places                  |
| G    | Drain waste water hose hole                         | ø45 x 3                        | places                    |
| Н    | Drain hole  | ø20 x 1                        | 1 places                  |
| K    | Refrigerant oil equalization piping connection pipe | ø9.52                          | (Flare)                   |
| L    | Carrying in or hole for hanging                     | 230                            | x 60                      |

158 200 148

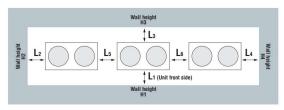
352

342

| Installation example           Dimensions         1         2           L1         500         Open           L2         10(30)         10(30)           L3         100         100           L4         10(30)         Open           H1         1500         Open           H2         No limit         No limit |          |          |
|--|----------|----------|
| Dimensions   | 1        | 2        |
| L <sub>1</sub>   | 500      | Open     |
| L <sub>2</sub>   | 10(30)   | 10(30)   |
| L <sub>3</sub>   | 100      | 100      |
| L <sub>4</sub>   | 10(30)   | Open     |
| H <sub>1</sub>   | 1500     | Open     |
| H <sub>2</sub>   | No limit | No limit |
| Нз   | 1000     | No limit |
| H4   | No limit | Open     |

0 :In case it is the promised installation location that the outdoor unit is used on conditions with the ambient temperature of 43°C or more.

| When | more | than | one | unit | is | installed |
|------|------|------|-----|------|----|-----------|
|      |      |      |     |      |    |           |



| Installation example |          |          |  |  |  |  |
|----------------------|----------|----------|--|--|--|--|
| Dimensions           | 1        | 2        |  |  |  |  |
| L <sub>1</sub>       | 500      | Open     |  |  |  |  |
| L <sub>2</sub>       | 10(30)   | 200      |  |  |  |  |
| L <sub>3</sub>       | 100      | 300      |  |  |  |  |
| L <sub>4</sub>       | 10(30)   | Open     |  |  |  |  |
| L <sub>5</sub>       | 10(30)   | 400      |  |  |  |  |
| L <sub>6</sub>       | 10(30)   | 400      |  |  |  |  |
| H <sub>1</sub>       | 1500     | Open     |  |  |  |  |
| H <sub>2</sub>       | No limit | No limit |  |  |  |  |
| Нз                   | 1000     | No limit |  |  |  |  |
| H <sub>4</sub>       | No limit | Open     |  |  |  |  |

# 22,24<sub>HP</sub> (61.5kw, 67.0kw)







Model No. **Nominal Cooling Capacity** 

FDC615CKXZA2S 61.5kW FDC670CKXZA2S 67.0kW

- The KXZ2 PLUS series has a layered design and a refined new form.
- Connect up to 71 indoor units/up to 160% capacity.
- High efficiency with EER up to 3.79.

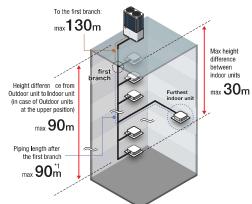


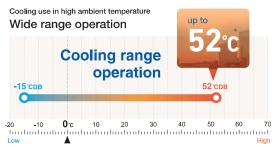


#### Furthest indoor unit:

Actual length: 160m Equivalent length: 185m

\*1 The difference between the longest and the shortest indoor unit piping from the first branch must be within 40m. (MAX85m)





\* With limitation to piping length and height difference between indoor and outdoor units.

#### Extended external static pressure

50<sub>Pa</sub> to  $85_{Pa}$ 

Flexibility to meet installation location needs.



## **Specifications**

#### Exterior dimension : Please refer to page 29.

| Exterior difficulty reasonable for the page 25. |                   |         |        |                        |               |  |  |
|---|-------------------|---------|--------|------------------------|---------------|--|--|
| Item  |                   |         | Model  | FDC615CKXZA2S          | FDC670CKXZA2S |  |  |
| Combination (FDC)                               |                   |         |        | 280CKXZA2S             | 335CKXZA2S    |  |  |
| Combination (FDC)                               |                   |         |        | 335CKXZA2S             | 335CKXZA2S    |  |  |
| Nominal horse power                             |                   |         |        | 22HP                   | 24HP          |  |  |
| Power source                                    |                   |         |        | 3 Phase 380-415V, 50Hz |               |  |  |
| Starting current                                |                   |         | А      | 10                     |               |  |  |
| Max current                                     |                   |         | Α      | 40,2                   |               |  |  |
| Nominal capacity                                | Cooling           |         | kW     | 61.5                   | 67.0          |  |  |
| Electrical characteristics                      | Power consumption | Cooling | kW     | 16.24                  | 17.96         |  |  |
| Net weight                                      |                   |         | kg     | 5                      |               |  |  |
| Refrigerant charge                              | R410A             |         | kg     | 11.                    | 0x2           |  |  |
| Refrigerant piping                              | Liquid line       |         | (i)    | ø12.7                  | 7(1/2")       |  |  |
| size  | Gas line          |         | mm(in) | ø28.58                 | (1·1/8")      |  |  |
| Capacity connection                             |                   |         |        | 50-160                 |               |  |  |
| Number of connectat                             | ole indoor units  | ·       |        | 65                     | 71            |  |  |

<sup>1.</sup> The data are measured under the following conditions(ISO-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. 2. Sound pressure level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

# 26-40<sub>HP</sub> (73.5kw-112.0kw)





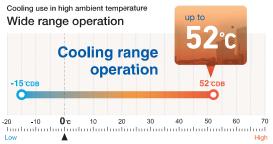


| Model No.      | Nominal Cooling Capacity |
|----------------|--------------------------|
| FDC735CKXZA2S  | 73.5kW                   |
| FDC800CKXZA2S  | 80.0kW                   |
| FDC850CKXZA2S  | 85.0kW                   |
| FDC900CKXZA2S  | 90.0kW                   |
| FDC950CKXZA2S  | 95.0kW                   |
| FDC1000CKXZA2S | 100.0kW                  |
| FDC1060CKXZA2S | 106.0kW                  |
| FDC1120CKXZA2S | 112.0kW                  |

- The KXZ2 PLUS series has a layered design and a refined new form.
- Connect up to 80 indoor units/up to 160% capacity. (FDC1000 1120:130%)
- High efficiency with EER up to 3.68.
- Industry leading total piping length up to 1000m and a maximum height difference between indoor units has been increased to maximum of 30m.



FDC735

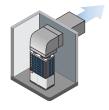


\* With limitation to piping length and height difference between indoor and outdoor units.



50<sub>Pa</sub> to  $85_{Pa}$ 

Flexibility to meet installation location needs.





## **Specifications**

#### Exterior dimension: Please refer to page 29, 31.

| Item                       | Item Model F       |         |        | FDC735CKXZA2S                   | FDC800CKXZA2S | FDC850CKXZA2S | FDC900CKXZA2S | FDC950CKXZA2S | FDC1000CKXZA2S                 | FDC1060CKXZA2S | FDC1120CKXZA2S |
|----------------------------|--------------------|---------|--------|---------------------------------|---------------|---------------|---------------|---------------|--------------------------------|----------------|----------------|
| Combination (FDC)          |                    |         |        | 335CKXZA2S                      | 400CKXZA2S    | 400CKXZA2S    | 450CKXZA2S    | 475CKXZA2S    | 500CKXZA2S                     | 500CKXZA2S     | 560CKXZA2S     |
| Combination (FDC)          | Combination (FDC)  |         |        | 400CKXZA2S                      | 400CKXZA2S    | 450CKXZA2S    | 450CKXZA2S    | 475CKXZA2S    | 500CKXZA2S                     | 560CKXZA2S     | 560CKXZA2S     |
| Nominal horse power        |                    |         | 26HP   | 28HP                            | 30HP          | 32HP          | 34HP          | 36HP          | 38HP                           | 40HP           |                |
| Power source               | Power source       |         |        |                                 |               |               | 3 Phase 380   | )-415V, 50Hz  |                                |                |                |
| Starting current           | Starting current A |         |        |                                 | 1             | 0             |               |               | 16                             |                |                |
| Max current                |                    |         | Α      | 52.1                            |               | 64.0 80.4     |               |               | ).4                            |                |                |
| Nominal capacity           | Cooling            |         | kW     | 73.5                            | 80.0          | 85.0          | 90.0          | 95.0          | 100.0                          | 106.0          | 112.0          |
| Electrical characteristics | Power consumption  | Cooling | kW     | 19.96                           | 21.96         | 24.96         | 27.95         | 27.94         | 28.02                          | 31.51          | 35.00          |
| Net weight                 |                    |         | kg     | 620                             | 664           |               |               |               | 756                            |                |                |
| Refrigerant charge         | R410A              |         | kg     | 11.0+11.5                       |               |               |               | 11.5x2        |                                |                |                |
| Refrigerant piping         | Liquid line        |         |        | ø15.88(5/8")                    |               |               |               |               | ø19.05(3/4")                   |                |                |
| size                       | Gas line           |         | mm(in) | ø31.75(1·1/4") [ø34.92(1·3/8")] |               |               |               |               | ø38.1(1·1/2") [ø34.92(1·3/8")] |                |                |
| Capacity connection        |                    |         | %      | 50-160                          |               |               | 50-130        |               |                                |                |                |
| Number of connectat        | ole indoor units   |         |        | 78                              | 78 80         |               |               |               |                                |                |                |

<sup>1.</sup> The data are measured under the following conditions(ISO-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB.

2. Sound pressure level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

3.[]: Pipe sizes applicable to European installations are shown in parentheses.

## 42-48 HP (120.0kW-135.0kW)







**Nominal Cooling Capacity** Model No.

FDC1200CKXZA2S 120.0kW FDC1250CKXZA2S 125.0kW FDC1300CKXZA2S 130.0kW FDC1350CKXZA2S 135.0kW

- The KXZ2 PLUS series has a layered design and a refined
- Connect up to 80 indoor units/up to 130% capacity.
- High efficiency with EER up to 3.64.

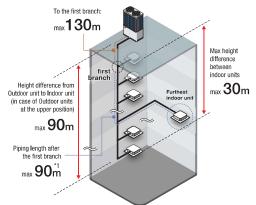


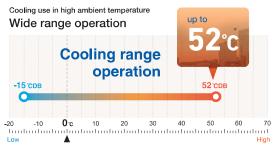


Furthest indoor unit:

Actual length: 160m Equivalent length: 185m

\*1 The difference between the longest and the shortest indoor unit piping from the first branch must be within 40m. (MAX85m)

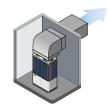




\* With limitation to piping length and height difference between indoor and outdoor units.

#### Extended external static pressure

Flexibility to meet installation location needs.



## **Specifications**

#### Exterior dimension: Please refer to page 31

|                                    |   |   |                                       |  | Exterior diffient   | sion : Please refer to page 3  |  |  |
|------------------------------------|---|---|---------------------------------------|--|---|--|--|--|
| em I                               |   |   | FDC1200CKXZA2S                        | FDC1250CKXZA2S   | FDC1300CKXZA2S  | FDC1350CKXZA2S   |  |  |
|                                    |   |   | 400CKXZA2S                            | 400CKXZA2S   | 400CKXZA2S  | 450CKXZA2S   |  |  |
| Combination (FDC)                  |   |   | 400CKXZA2S                            | 400CKXZA2S   | 450CKXZA2S  | 450CKXZA2S   |  |  |
|                                    |   |   | 400CKXZA2S                            | 450CKXZA2S   | 450CKXZA2S  | 450CKXZA2S   |  |  |
|                                    | ·   |   | 42HP                                  | 44HP   | 46HP  | 48HP   |  |  |
| Power source                       |   |   |                                       | 3 Phase 380-415V, 50Hz   |   |  |  |  |
| Starting current A                 |   |   |                                       | 15   |   |  |  |  |
| Max current A                      |   |   |                                       | 96.0   |   |  |  |  |
| Cooling kW                         |   |   | 120.0                                 | 125.0  | 130.0   | 135.0  |  |  |
| Power consumption                  | Cooling   | kW  | 32.94                                 | 35.94  | 38.93   | 41.93  |  |  |
| Net weight kg                      |   |   |                                       | 996  |   |  |  |  |
| R410A kg                           |   |   | 11.5x3                                |  |   |  |  |  |
| Liquid line                        | Liquid line                                     |   | ø19.05(3/4")                          |  |   |  |  |  |
| Gas line                           |   | mm(in)  | ø38.1(1·1/2") [ø34.92(1·3/8")]        |  |   |  |  |  |
| Capacity connection %              |   |   |                                       | 50-130   |   |  |  |  |
| Number of connectable indoor units |   |   |                                       | 80   |   |  |  |  |
|                                    | Power consumption  R410A  Liquid line  Gas line | Cooling Power consumption Cooling  R410A Liquid line Gas line | A A A A A A A A A A A A A A A A A A A | 400CKXZA2S   400CKXZA2S   400CKXZA2S   400CKXZA2S   42HP     A | 400CKXZA2S   400CKXZA2S   400CKXZA2S   400CKXZA2S   400CKXZA2S   400CKXZA2S   450CKXZA2S   42HP | Model         FDC1200CKXZA2S         FDC1250CKXZA2S         FDC1300CKXZA2S           400CKXZA2S         400CKXZA2S         400CKXZA2S         400CKXZA2S           400CKXZA2S         450CKXZA2S         450CKXZA2S           400CKXZA2S         450CKXZA2S         450CKXZA2S           42HP         44HP         46HP           3 Phase 380-415V, 50Hz         3 Phase 380-415V, 50Hz           Cooling         kW         120.0         125.0         130.0           Power consumption         Cooling         kW         32.94         35.94         38.93           R410A         kg         996           R410A         kg         11.5x3           Liquid line         Ø19.05(3/4")           Gas line         Ø38.1(1·1/2") [ø34.92(1·3/8")]           %         50-130 |  |  |

<sup>1.</sup> The data are measured under the following conditions(ISO-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB.
2. Sound pressure level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
3. []: Pipe sizes applicable to European installations are shown in parentheses.

## 50-60 HP (142.5kW-168.0kW)





**Nominal Cooling Capacity** Model No. FDC1425CKXZA2S 142.5kW FDC1450CKXZA2S 145.0kW 150.0kW FDC1500CKXZA2S FDC1560CKXZA2S 156.0kW FDC1620CKXZA2S 162.0kW FDC1680CKXZA2S 168.0kW

- The KXZ2 PLUS series has a layered design and a refined new form.
- Connect up to 80 indoor units/up to 130% capacity.
- High efficiency with EER up to 3.57.

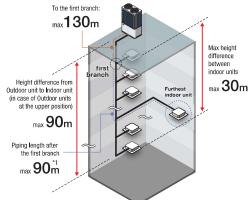


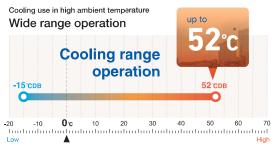


Furthest indoor unit:

Actual length: 160m Equivalent length: 185m

\*1 The difference between the longest and the shortest indoor unit piping from the first branch must be within 40m. (MAX85m)

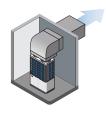




\* With limitation to piping length and height difference between indoor and outdoor units.

#### Extended external static pressure

Flexibility to meet installation location needs.



## **Specifications**

#### Exterior dimension : Please refer to page 31

| •                                  |                   |         |              |                                |                |                | Exter          | ioi ullilelision . Flea | ise reier to page 31. |  |
|------------------------------------|-------------------|---------|--------------|--------------------------------|----------------|----------------|----------------|-------------------------|-----------------------|--|
| Item                               |                   |         | Model        | FDC1425CKXZA2S                 | FDC1450CKXZA2S | FDC1500CKXZA2S | FDC1560CKXZA2S | FDC1620CKXZA2S          | FDC1680CKXZA2S        |  |
| Combination (FDC)                  |                   |         |              | 475CKXZA2S                     | 475CKXZA2S     | 500CKXZA2S     | 500CKXZA2S     | 500CKXZA2S              | 560CKXZA2S            |  |
|                                    |                   |         |              | 475CKXZA2S                     | 475CKXZA2S     | 500CKXZA2S     | 500CKXZA2S     | 560CKXZA2S              | 560CKXZA2S            |  |
|                                    |                   |         |              | 475CKXZA2S                     | 500CKXZA2S     | 500CKXZA2S     | 560CKXZA2S     | 560CKXZA2S              | 560CKXZA2S            |  |
| Nominal horse power                | r                 |         |              | 50HP                           | 52HP           | 54HP           | 56HP           | 58HP                    | 60HP                  |  |
| Power source                       |                   |         |              | 3 Phase 380-415V, 50Hz         |                |                |                |                         |                       |  |
| Starting current A                 |                   |         |              | 24                             |                |                |                |                         |                       |  |
| Max current A                      |                   |         |              | 120.6                          |                |                |                |                         |                       |  |
| Nominal capacity                   | Cooling kW        |         |              | 142.5                          | 145.0          | 150.0          | 156.0          | 162.0                   | 168.0                 |  |
| Electrical characteristics         | Power consumption | Cooling | kW           | 41.91                          | 41.95          | 42.03          | 45.52          | 49.01                   | 52.50                 |  |
| Net weight kg                      |                   |         |              | 1134                           |                |                |                |                         |                       |  |
| Refrigerant charge                 | R410A kg          |         |              | 11.5x3                         |                |                |                |                         |                       |  |
| Refrigerant piping Liquid line     |                   | (:)     | ø19.05(3/4") |                                |                |                |                |                         |                       |  |
| size                               | Gas line          |         | mm(in)       | ø38.1(1·1/2") [ø34.92(1·3/8")] |                |                |                |                         |                       |  |
| Capacity connection %              |                   |         |              | 50-130                         |                |                |                |                         |                       |  |
| Number of connectable indoor units |                   |         |              | 80                             |                |                |                |                         |                       |  |
|                                    |                   |         |              |                                |                |                |                |                         |                       |  |

- 1. The data are measured under the following conditions(ISO-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB.

  2. Sound pressure level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

  3. []: Pipe sizes applicable to European installations are shown in parentheses.

20-40 HP (56.0kW-113.5kW)







#### Model No.

**Nominal Cooling Capacity** FDC560CKXZXA2S (FDC280+FDC280) 56.0kW FDC850CKXZXA2S (FDC280+FDC280+FDC280) 84.0kW 89.5kW FDC900CKXZXA2S (FDC280+FDC280+FDC335) FDC950CKXZXA2S (FDC280+FDC335+FDC335) 95.0kW FDC1000CKXZXA2S (FDC335+FDC335+FDC335) 100.5kW FDC1060CKXZXA2S (FDC335+FDC335+FDC400) 107.0kW FDC1120CKXZXA2S (FDC335+FDC400+FDC400) 113.5kW

- The KXZ2 PLUS series has a layered design and a refined new form.
- · High efficiency with EER up to 3.86.

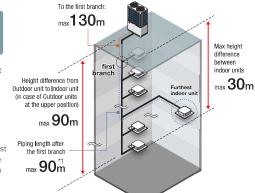


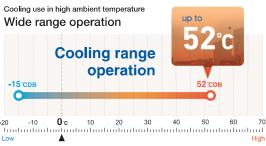
## Total length: 1.000<sub>m</sub>

#### Furthest indoor unit:

Actual length: 160m Equivalent length: 185m

\*1 The difference between the longest and the shortest indoor unit piping from the first branch must be within 40m. (MAX85m)



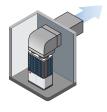


\* With limitation to piping length and height difference between indoor and outdoor units.

#### Extended external static pressure

50Pa to 85Pa

Flexibility to meet installation location needs.



#### New!



FDC560



FDC850 - 1000



FDC1060



## **Specifications**

| Item                               |                   |             | Model  | FDC560CKXZXA2S         | FDC850CKXZXA2S                  | FDC900CKXZXA2S |  |
|------------------------------------|-------------------|-------------|--------|------------------------|---------------------------------|----------------|--|
|                                    |                   |             |        | 280CKXZA2S             | 280CKXZA2S                      | 280CKXZA2S     |  |
| Combination (FDC)                  |                   |             |        | 280CKXZA2S             | 280CKXZA2S                      | 280CKXZA2S     |  |
|                                    |                   |             |        | -                      | 280CKXZA2S                      | 335CKXZA2S     |  |
| Nominal horse power                |                   |             |        | 20HP                   | 30HP                            | 32HP           |  |
| Power source                       |                   |             |        | 3 Phase 380-415V, 50Hz |                                 |                |  |
| Starting current                   |                   |             |        | 10                     | 15                              |                |  |
| Max current                        |                   |             | А      | 40.2                   | 60.3                            |                |  |
| Nominal capacity                   | Cooling           | Cooling     |        | 56.0                   | 84.0                            | 89.5           |  |
| Electrical characteristics         | Power consumption |             |        | 14,51                  | 21.76                           | 23.49          |  |
| Net weight                         |                   |             | kg     | 576                    | 864                             |                |  |
| Refrigerant charge                 | R410A             | R410A       |        | 11.0x2                 | 11.0x3                          |                |  |
| Refrigerant piping                 | Liquid line       | Liquid line |        | ø12.7(1/2")            | Ø15.88(5/8")                    |                |  |
| size                               | Gas line          |             | mm(in) | ø28.58(1·1/8")         | ø31.75(1·1/4") [ø34.92(1·3/8")] |                |  |
| Capacity connection %              |                   |             |        | 80-160                 |                                 |                |  |
| Number of connectable indoor units |                   |             |        | 59 80                  |                                 |                |  |

| Item                               |                   |         | Model  | FDC950CKXZXA2S                  | FDC1000CKXZXA2S           | FDC1060CKXZXA2S | FDC1120CKXZXA2S            |  |
|------------------------------------|-------------------|---------|--------|---------------------------------|---------------------------|-----------------|----------------------------|--|
|                                    |                   |         |        | 280CKXZA2S                      | 335CKXZA2S                | 335CKXZA2S      | 335CKXZA2S                 |  |
| Combination (FDC)                  |                   |         |        | 335CKXZA2S                      | 335CKXZA2S                | 335CKXZA2S      | 400CKXZA2S                 |  |
|                                    |                   |         |        | 335CKXZA2S                      | 335CKXZA2S                | 400CKXZA2S      | 400CKXZA2S                 |  |
| Nominal horse power                |                   |         |        | 34HP                            | 36HP                      | 38HP            | 40HP                       |  |
| Power source                       |                   |         |        | 3 Phase 380-415V, 50Hz          |                           |                 |                            |  |
| Starting current A                 |                   |         |        | 15                              |                           |                 |                            |  |
| Max current A                      |                   |         |        | 60.3                            |                           | 72.2            | 84.1                       |  |
| Nominal capacity                   | Cooling           |         | kW     | 95.0                            | 100.5                     | 107.0           | 113.5                      |  |
| Electrical characteristics         | Power consumption | Cooling | kW     | 25,22                           | 26.94                     | 28.94           | 30.94                      |  |
| Net weight                         |                   |         | kg     | 864                             |                           | 908             | 952                        |  |
| Refrigerant charge                 | R410A k           |         | kg     | 11.0x3                          |                           | 11.0x2+11.5     | 11.0+11.5x2                |  |
| Refrigerant piping                 | Liquid line       |         | mm(in) | ø15 <b>.</b> 88(5/8")           |                           | ø19.05(3/4")    |                            |  |
| size                               | Gas line          |         |        | ø31.75(1·1/4") [ø34.92(1·3/8")] | (1·1/4") [ø34.92(1·3/8")] |                 | 1(1·1/2") [ø34.92(1·3/8")] |  |
| Capacity connection %              |                   |         | 80-160 | 80-130                          |                           |                 |                            |  |
| Number of connectable indoor units |                   |         |        | 80                              |                           |                 |                            |  |

## **Dimensions**

Please refer to page 29, 31.

The data are measured under the following conditions(ISO-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB.
 Sound pressure level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
 []: Pipe sizes applicable to European installations are shown in parentheses.