



Water cooled series

8~36HP (22.4~100.0kW)

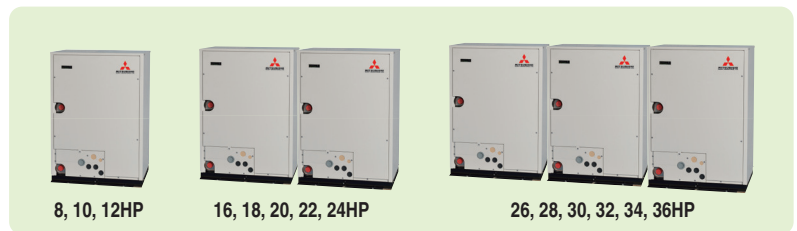
| Model No. | Nominal Cooling Capacity | Model No. | Nominal Cooling Capacity |
|-----------------------------|--------------------------|-------------------------------|--------------------------|
| FDC224KXZWE1 | 22.4kW | FDC730KXZWE1(FDC224×2+FDC280) | 73.0kW |
| FDC280KXZWE1 | 28.0kW | FDC775KXZWE1(FDC224+FDC280×2) | 77.5kW |
| FDC335KXZWE1 | 33.5kW | FDC850KXZWE1(FDC280×3) | 85.0kW |
| FDC450KXZWE1(FDC224×2) | 45.0kW | FDC900KXZWE1(FDC280×2+FDC335) | 90.0kW |
| FDC500KXZWE1(FDC224+FDC280) | 50.0kW | FDC950KXZWE1(FDC280+FDC335×2) | 95.0kW |
| FDC560KXZWE1(FDC280×2) | 56.0kW | FDC1000KXZWE1(FDC335×3) | 100kW |
| FDC615KXZWE1(FDC280+FDC335) | 61.5kW | | |
| FDC670KXZWE1(FDC335×2) | 67.0kW | | |

Features

- 1. High efficiency (EER/COP)**
 - Energy saving → Reduction of operation cost!
- 2. Compact design**
 - Easy transportation and installation
 - Elevator carrying
- 3. BMS (Building Management System)**
 - Can use the same BMS as air-cooled KX
 - Available to large-scale and fine control
- 4. Serviceability & Maintenance**
 - Service and maintenance of main parts can be done from the front side only
 - Useful service tools (Mente-PC, SL-Checker etc.)

Applicable to

- 1. High-rise Building**
 - 50m <FDC> , -100m <FDCH>
 - 100m or higher in height <FDCW>
- 2. Glass-exterior facade Building**
 - Possible to hide KXZW units and to keep fine sight



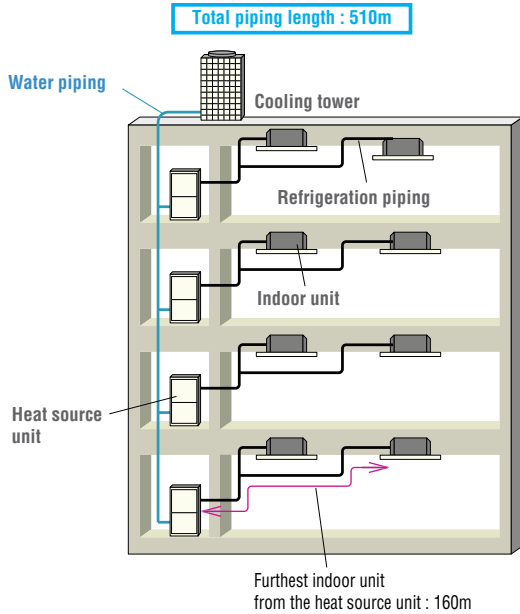
Specifications

| Item | Model | FDC224KXZWE1 | FDC280KXZWE1 | FDC335KXZWE1 | FDC450KXZWE1 | FDC500KXZWE1 | FDC560KXZWE1 | FDC615KXZWE1 | FDC670KXZWE1 |
|----------------------|---------|------------------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|
| Combination (FDC) | | - | - | - | 224KXZWE1 | 224KXZWE1 | 280KXZWE1 | 280KXZWE1 | 335KXZWE1 |
| | | - | - | - | 224KXZWE1 | 280KXZWE1 | 280KXZWE1 | 335KXZWE1 | 335KXZWE1 |
| Nominal horse power | | 8HP | 10HP | 12HP | 16HP | 18HP | 20HP | 22HP | 24HP |
| Power source | | 3 Phase 380-415V, 50Hz | | | | | | | |
| Nominal capacity | Cooling | 22.4 | 28.0 | 33.5 | 45.0 | 50.0 | 56.0 | 61.5 | 67.0 |
| | Heating | 25.0 | 31.5 | 37.5 | 50.0 | 56.0 | 63.0 | 69.0 | 75.0 |
| Power consumption | Cooling | 4.23 | 5.75 | 8.13 | 8.49 | 9.83 | 11.5 | 13.7 | 16.3 |
| | Heating | 4.24 | 5.10 | 6.30 | 8.47 | 9.27 | 10.2 | 11.4 | 12.6 |
| EER | Cooling | 5.3 | 4.9 | 4.1 | 5.3 | 5.1 | 4.9 | 4.5 | 4.1 |
| COP | Heating | 5.9 | 6.2 | 6.0 | 5.9 | 6.0 | 6.2 | 6.1 | 6.0 |
| Exterior dimensions | HxWxD | 1100x780x550 | | | | (1100x780x550)x2 | | | |
| Sound pressure level | dB(A) | 48 | 50 | 52 | 50 | 52 | 53 | 54 | 55 |
| Net weight | kg | 185 | | | | 185x2 | | | |

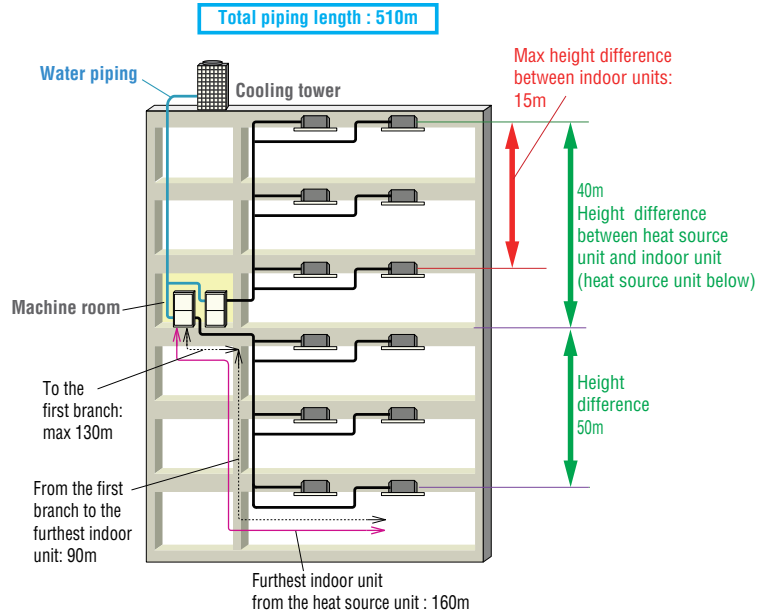
| Item | Model | FDC730KXZWE1 | FDC775KXZWE1 | FDC850KXZWE1 | FDC900KXZWE1 | FDC950KXZWE1 | FDC1000KXZWE1 |
|----------------------|---------|------------------------|--------------|--------------|--------------|--------------|---------------|
| Combination (FDC) | | 224KXZWE1 | 224KXZWE1 | 280KXZWE1 | 280KXZWE1 | 280KXZWE1 | 335KXZWE1 |
| | | 224KXZWE1 | 280KXZWE1 | 280KXZWE1 | 280KXZWE1 | 335KXZWE1 | 335KXZWE1 |
| | | 280KXZWE1 | 280KXZWE1 | 280KXZWE1 | 335KXZWE1 | 335KXZWE1 | 335KXZWE1 |
| Nominal horse power | | 26HP | 28HP | 30HP | 32HP | 34HP | 36HP |
| Power source | | 3 Phase 380-415V, 50Hz | | | | | |
| Nominal capacity | Cooling | 73.0 | 77.5 | 85.0 | 90.0 | 95.0 | 100 |
| | Heating | 82.5 | 90.0 | 95.0 | 100 | 106 | 112 |
| Power consumption | Cooling | 14.2 | 15.5 | 17.5 | 19.5 | 21.7 | 24.3 |
| | Heating | 13.8 | 14.8 | 15.4 | 16.4 | 17.6 | 18.8 |
| EER | Cooling | 5.1 | 5.0 | 4.9 | 4.6 | 4.4 | 4.1 |
| COP | Heating | 6.0 | 6.1 | 6.2 | 6.1 | 6.0 | 6.0 |
| Exterior dimensions | HxWxD | (1100x780x550)x3 | | | | | |
| Sound pressure level | dB(A) | 54 | 54 | 55 | 56 | 56 | 57 |
| Net weight | kg | 185x3 | | | | | |

The data is based on the rating condition:
 Cooling: Indoor temp. of 27 °C DB, 19 °C WB, and heat source unit inlet water temp. of 30 °C, water flow rate 96 L/min
 Heating: Indoor temp. of 20 °C DB, 15 °C WB, and heat source unit inlet water temp. of 20 °C, water flow rate 96 L/min

Heat source units on every floor
- New building projects -

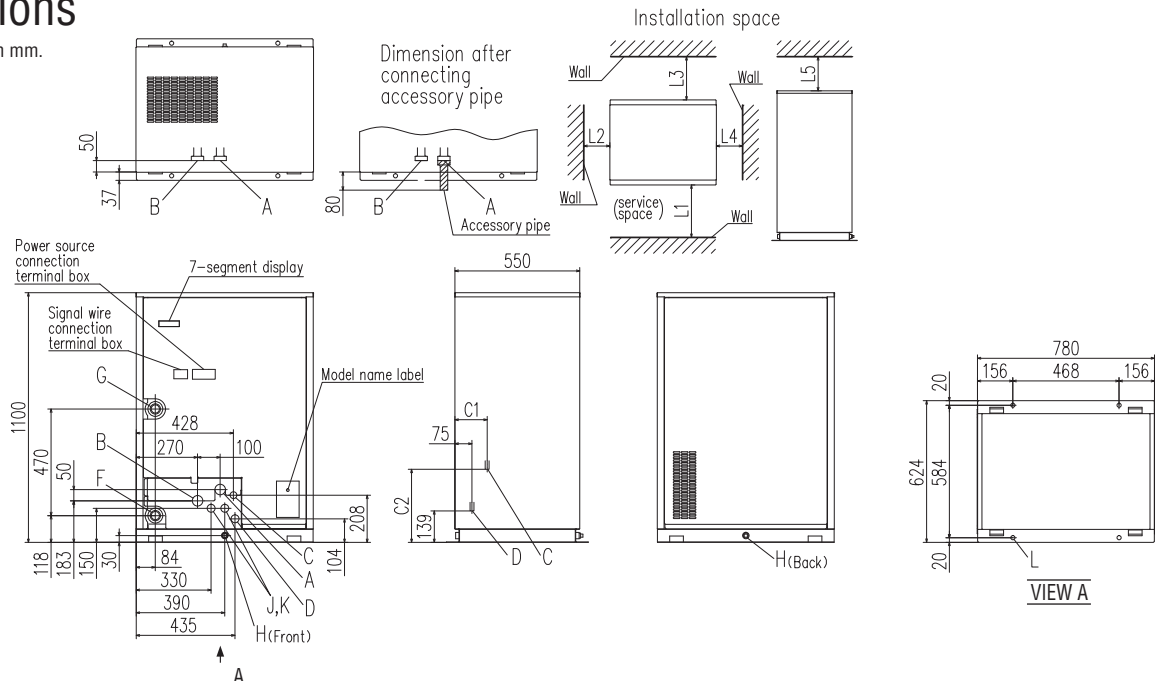


Heat source units in the machine room
- Renovation projects -



Dimensions

All measurements in mm.



| Mark | Content | |
|------|-----------------------|----------------------|
| A | High/low gas line | Refer to piping size |
| B | - | Not to use. |
| C | Liquid line | Refer to piping size |
| D | Oil equalization line | |
| F | Water inlet | R1 1/4 |
| G | Water outlet | R1 1/4 |
| H | Drain outlet | Rp 1/2, 2places |
| J | Power source intake | ø35 |
| K | Signal wiring intake | ø35 |
| L | Anchor bolt hole | ø18, 4places |

| Dimension | FDC-KXZWE1 | |
|-----------|------------------------|-----|
| | 224,280 | 335 |
| C1 | 142 | 139 |
| C2 | 322 | 316 |
| | Installation example 1 | |
| Dimension | | |
| L1 | 600 or more | |
| L2 | 20 or more | |
| L3 | 500 or more | |
| L4 | 20 or more | |
| L5 | 300 or more | |

Piping size

| | FDC224KXZWE1 | FDC280KXZWE1 | FDC335KXZWE1 | Connection method |
|-----------------------|--------------|--------------|--------------|-------------------|
| High/low gas line | ø19.05 | ø22.22 | ø25.4 | Flange |
| Liquid line | ø9.52 | ø9.52 | ø12.7 | Flare |
| Oil equalization line | ø9.52 | ø9.52 | ø9.52 | |