DAIKIN

Air Conditioners

# Technical Data

VRV®

Introduction


EEDEN10-200

DAIKIN

Air Conditioners

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VRV®

Introduction

EEDEN10-200

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**FXZQ-M9**

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➔ **Concealed ceiling unit**
**FXSQ-P7**

**Concealed ceiling unit ➔**
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**FXMQ-MA**

# 1 Possible indoor units using R-410A



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**Floor standing unit** ➔
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➔ **Concealed floor standing unit**
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# 1 Possible indoor units using R-410A

| Description | Indoor unit | Size | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 20 | 25 | 32 | 40 | 50 | 63 | 71 | 80 | 100 | 125 | 140 | 200 | 250 |
| Roundflow ceiling mounted cassette | FXFQ-P9 | x | x | x | x | x | x | | x | x | x | | | |
| 4-way blow ceiling mounted cassette (600 mm x 600 mm) | FXZQ-M9 | x | x | x | x | x | | | | | | | | |
| 2-way blow ceiling mounted cassette | FXCQ-M8 | x | x | x | x | x | x | | x | | x | | | |
| Ceiling mounted corner cassette | FXKQ-MA | | x | x | x | | x | | | | | | | |
| Concealed ceiling unit (small) | FXDQ-M9 | x | x | | | | | | | | | | | |
| Slim Concealed Ceiling Unit | FXDQ-P7 | x | x | x | x | x | x | | | | | | | |
| Concealed ceiling unit | FXSQ-P7 | x | x | x | x | x | x | | x | x | x | x | | |
| Concealed ceiling unit | FXMQ-P7 | | | | x | x | x | | x | x | x | | | |
| Concealed ceiling unit | FXMQ-MA | | | | | | | | | | | | x | x |
| Wall mounted unit | FXAQ-P | x | x | x | x | x | x | | | | | | | |
| Ceiling suspended unit | FXHQ-MA | | | x | | | x | | | x | | | | |
| 4-way blow ceiling suspended unit | FXUQ-MA | | | | | | | x | | x | x | | | |
| Floor standing unit | FXLQ-P | x | x | x | x | x | x | | | | | | | |
| Concealed floor standing unit | FXNQ-P | x | x | x | x | x | x | | | | | | | |

**NOTE**

1 FXMQ200, 250MA cannot be combined to VRV®III-S.

# 2 Possible outdoor units using R-410A

## 2 - 1 VRV®III Heat Recovery

### 2 - 1 - 1 Small footprint combination

| VRV®III heat reovery | Fixed combinations | N° of outdoors | N° of compressors | N° of connectable indoor units | Minimum capacity index | Maximum capacity index | Capacity steps |
|---|---|---|---|---|---|---|---|
| REYQ8P9 | REYQ8P9 | 1 | 2 | 13 | 100 | 260 | 30 |
| REYQ10P8 | REYQ10P8 | 1 | 2 | 16 | 125 | 325 | 37 |
| REYQ12P9 | REYQ12P9 | 1 | 2 | 19 | 150 | 390 | 37 |
| REYQ14P8 | REYQ14P8 | 1 | 2 | 22 | 175 | 455 | 26 |
| REYQ16P8 | REYQ16P8 | 1 | 2 | 26 | 200 | 520 | 26 |
| REYQ18P9 | REMQ8P9 + REMQ10P8 | 2 | 3 | 29 | 225 | 585 | 31 |
| REYQ20P9 | REMQ8P9 + REMQ12P8 | 2 | 3 | 32 | 250 | 650 | 31 |
| REYQ22P8 | REMQ10P 8+ REMQ12P8 | 2 | 4 | 35 | 275 | 715 | 38 |
| REYQ24P8 | REMQ12P8 + REMQ12P8 | 2 | 4 | 39 | 300 | 780 | 38 |
| REYQ26P8 | REMQ10P8 + REMQ16P8 | 2 | 5 | 42 | 325 | 845 | 41 |
| REYQ28P8 | REMQ12P8 + REMQ16P8 | 2 | 5 | 45 | 350 | 910 | 41 |
| REYQ30P8 | REMQ14P8 + REMQ16P8 | 2 | 6 | 48 | 375 | 975 | 46 |
| REYQ32P8 | REMQ16P8 + REMQ16P8 | 2 | 6 | 52 | 400 | 1,040 | 46 |
| REYQ34P9 | REMQ8P9 + REMQ10P8 + REMQ16P8 | 3 | 6 | 55 | 425 | 1,105 | 36 |
| REYQ36P9 | REMQ8P9 + REMQ12P8 + REMQ16P8 | 3 | 6 | 58 | 450 | 1,170 | 36 |
| REYQ38P8 | REMQ10P8 + REMQ12P8 + REMQ16P8 | 3 | 7 | 61 | 475 | 1,235 | 41 |
| REYQ40P8 | REMQ12P8 + REMQ12P8 + REMQ16P8 | 3 | 8 | 64 | 500 | 1,300 | 41 |
| REYQ42P8 | REMQ10P8 + REMQ16P8 + REMQ16P8 | 3 | 8 | 64 | 525 | 1,365 | 46 |
| REYQ44P8 | REMQ12P8 + REMQ16P8 + REMQ16P8 | 3 | 8 | 64 | 550 | 1,430 | 46 |
| REYQ46P8 | REMQ14P8 + REMQ16P8 + REMQ16P8 | 3 | 8 | 64 | 575 | 1,495 | 51 |
| REYQ48P8 | REMQ16P8 + REMQ16P8 + REMQ16P8 | 3 | 9 | 64 | 600 | 1,560 | 51 |

### 2 - 1 - 2 High COP combination

| VRV®III heat reovery | Fixed combinations | N° of outdoors | N° of compressors | N° of connectable indoor units | Minimum capacity index | Maximum capacity index | Capacity steps |
|---|---|---|---|---|---|---|---|
| REYHQ16P | REMQ8P9 + REMQ8P9 | 2 | 2 | 26 | 200 | 520 | * |
| REYHQ20P | REMQ8P9 + REMHQ12P8 | 2 | 3 | 29 | 225 | 585 | * |
| REYHQ22P | REMQ10P8 + REMHQ12P8 | 2 | 4 | 32 | 250 | 650 | * |
| REYHQ24P | REMQ12P8 + REMHQ12P8 | 2 | 4 | 35 | 275 | 715 | * |

# 2 Possible outdoor units using R-410A

## 2 - 2 VRV®III Heat Pump

### 2 - 2 - 1 Small footprint combination

| VRV® III heat pump | N° of outdoor units | N° of compressors | N° of connectable indoor units | Minimum capacity index | Maximum capacity index | Capacity steps |
|---|---|---|---|---|---|---|
| RXYQ5P | 1 | 1 | 8 | 62.5 | 162.5 | 18 |
| RXYQ8P8 | 1 | 1 | 13 | 100 | 260 | 24 |
| RXYQ10P | 1 | 2 | 16 | 125 | 325 | 37 |
| RXYQ12P | 1 | 2 | 19 | 150 | 390 | 37 |
| RXYQ14PA | 1 | 3 | 23 | 175 | 455 | 51 |
| RXYQ16PA | 1 | 3 | 26 | 200 | 520 | 51 |
| RXYQ18PA | 1 | 3 | 29 | 225 | 585 | 55 |
| RXYQ20P8 | 2 | 3 | 32 | 250 | 650 | 35 |
| RXYQ22P | 2 | 4 | 35 | 275 | 715 | 36 |
| RXYQ24P | 2 | 4 | 39 | 300 | 780 | 40 |
| RXYQ26P8A | 2 | 4 | 42 | 325 | 845 | 40 |
| RXYQ28PA | 2 | 5 | 45 | 350 | 910 | 45 |
| RXYQ30PA | 2 | 5 | 49 | 375 | 975 | 45 |
| RXYQ32PA | 2 | 6 | 52 | 400 | 1,040 | 46 |
| RXYQ34PA | 2 | 6 | 55 | 425 | 1,105 | 50 |
| RXYQ36PA | 2 | 6 | 58 | 450 | 1,170 | 50 |
| RXYQ38P8A | 3 | 6 | 61 | 475 | 1,235 | 41 |
| RXYQ40PA | 3 | 7 | 64 | 500 | 1,300 | 46 |
| RXYQ42PA | 3 | 7 | 64 | 525 | 1,365 | 46 |
| RXYQ44P8A | 3 | 7 | 64 | 550 | 1,430 | 46 |
| RXYQ46PA | 3 | 8 | 64 | 575 | 1,495 | 66 |
| RXYQ48PA | 3 | 8 | 64 | 600 | 1,560 | 66 |
| RXYQ50PA | 3 | 9 | 64 | 625 | 1,625 | 56 |
| RXYQ52PA | 3 | 9 | 64 | 650 | 1,690 | 56 |
| RXYQ54PA | 3 | 9 | 64 | 675 | 1,755 | 56 |

### 2 - 2 - 2 High COP combination

| VRV®III heat pump | Fixed combinations | N° of outdoors | N° of compressors | N° of connectable indoor units | Minimum capacity index | Maximum capacity index | Capacity steps |
|---|---|---|---|---|---|---|---|
| RXYHQ12P8 | RXYHQ12P8 | 1 | * | 19 | 150 | 390 | * |
| RXYHQ16P8 | RXYQ8P8 + RXYQ8P8 | 2 | * | 26 | 200 | 520 | * |
| RXYHQ18P8 | RXYQ8P8 + RXYQ10P | 2 | * | 29 | 225 | 585 | * |
| RXYHQ20P8 | RXYQ8P8 + RXYHQ12P8 | 2 | * | 32 | 250 | 650 | * |
| RXYHQ22P8 | RXYQ10P + RXYHQ12P8 | 2 | * | 35 | 275 | 715 | * |
| RXYHQ24P8 | RXYQ8P8 + RXYQ8P8 + RXYQ8P8 | 3 | * | 39 | 300 | 780 | * |
| RXYHQ26P8 | RXYQ8P8 + RXYQ8P8 + RXYQ10P | 3 | * | 42 | 325 | 845 | * |
| RXYHQ28P8 | RXYQ8P8 + RXYQ10P + RXYQ10P | 3 | * | 45 | 350 | 910 | * |
| RXYHQ30P8 | RXYQ8P8 + RXYQ10P + RXYHQ12P8 | 3 | * | 49 | 375 | 975 | * |
| RXYHQ32P8 | RXYQ8P8 + RXYHQ12P8 + RXYHQ12P8 | 3 | * | 52 | 400 | 1.040 | * |
| RXYHQ34P8 | RXYQ10P + RXYHQ12P8 + RXYHQ12P8 | 3 | * | 55 | 425 | 1105 | * |
| RXYHQ36P8 | RXYHQ12P8 + RXYHQ12P8 + RXYHQ12P8 | 3 | * | 58 | 450 | 1.170 | * |

### 2 - 2 - 3 VRV®III-C Heat pump optimized for heating

| VRV®III heat pump | Fixed combinations | N° of outdoors | N° of compressors | N° of connectable indoor units | Minimum capacity index | Maximum capacity index | Capacity steps |
|---|---|---|---|---|---|---|---|
| RTSYQ10P | RTSQ10P + BTSQ20P | 1 + function unit | 2+1 | 16 | 125 | 325 | * |
| RTSYQ14P | RTSQ14P + BTSQ20P | 1 + function unit | 3+1 | 22 | 175 | 455 | * |
| RTSYQ16P | RTSQ16P + BTSQ20P | 1 + function unit | 3+1 | 26 | 200 | 520 | * |
| RTSYQ20P | RTSQ8P + RTSQ12P + BTSQ20P | 2 + function unit | 3+1 | 32 | 250 | 650 | * |

# 2 Possible outdoor units using R-410A

## 2 - 2 - 4 VRV®III-S

| VRVIII-S | N° of outdoors | N° of compressors | N° of connectable indoor units | Minimum capacity index | Maximum capacity index | Capacity steps |
|---|---|---|---|---|---|---|
| RXYSQ4PAV/RXYSQ4PAY | 1 | 1 | 6 | 50 | 130 | 31 |
| RXYSQ5PAV/RXYSQ5PAY | 1 | 1 | 8 | 62.5 | 162.5 | 31 |
| RXYSQ6PAV/RXYSQ6PAY | 1 | 1 | 9 | 70 | 182 | 31 |

## 2 - 2 - 5 VRV® heat pump with connection to stylish indoor units

| VRV® III heat pump | N° of outdoors | N° of compressors | N° of connectable indoor units | Minimum capacity index | Maximum capacity index | Capacity steps |
|---|---|---|---|---|---|---|
| RXYQ8PR | 1 | 1 | 13 | 100 | 260 | 24 |
| RXYQ10PR | 1 | 2 | 16 | 125 | 325 | 37 |
| RXYQ12PR | 1 | 2 | 19 | 150 | 390 | 37 |
| RXYQ14PR | 1 | 3 | 23 | 175 | 455 | 51 |
| RXYQ16PR | 1 | 3 | 26 | 200 | 520 | 51 |
| RXYQ18PR | 1 | 3 | 29 | 225 | 585 | 55 |

* For more information on this product, please refer to your local dealer.

## 2 - 3 Replacement VRV®

| Replacement VRV® - Heat recovery | Fixed combinations | N° of outdoors | N° of compressors | N° of connectable indoor units | Minimum capacity index | Maximum capacity index | Capacity steps |
|---|---|---|---|---|---|---|---|
| RQCEQ280P | RQCEQ140P + RQCEQ140P | 2 | 2 | 16 | 14 | 36.4 | * |
| RQCEQ360P | RQCEQ180P + RQCEQ180P | 2 | 2 | 20 | 18 | 46.2 | * |
| RQCEQ460P | RQCEQ140P + RQCEQ140P + RQCEQ180P | 3 | 3 | 26 | 23 | 59.8 | * |
| RQCEQ500P | RQCEQ140P + RQCEQ180P + RQCEQ180P | 3 | 3 | 29 | 25 | 65 | * |
| RQCEQ540P | RQCEQ180P + RQCEQ180P + RQCEQ180P | 3 | 3 | 33 | 27 | 70.2 | * |
| RQCEQ636P | RQCEQ212P + RQCEQ212P + RQCEQ212P | 3 | 3 | 36 | 31.8 | 82.7 | * |
| RQCEQ712P | RQCEQ140P + RQCEQ180P + RQCEQ180P + RQCEQ212P | 4 | 4 | 40 | 35.6 | 92.6 | * |
| RQCEQ744P | RQCEQ140P + RQCEQ180P + RQCEQ212P + RQCEQ212P | 4 | 4 | 43 | 37.2 | 96.7 | * |
| RQCEQ816P | RQCEQ180P + RQCEQ212P + RQCEQ212P + RQCEQ212P | 4 | 4 | 47 | 40.8 | 106 | * |
| RQCEQ848P | RQCEQ212P + RQCEQ212P + RQCEQ212P + RQCEQ212P | 4 | 4 | 50 | 42.4 | 110 | * |

| Replacement VRV® - Heat pump | Fixed combinations | N° of outdoors | N° of compressors | N° of connectable indoor units | Minimum capacity index | Maximum capacity index | Capacity steps |
|---|---|---|---|---|---|---|---|
| RQYQ140P | RQYQ140P | 1 | 1 | 8 | 7 | 18.2 | * |
| RQYQ180P | RQYQ180P | 1 | 1 | 10 | 9 | 23.4 | * |
| RQCYQ280P | RQYQ140P + RQYQ140P | 2 | 2 | 16 | 14 | 36.4 | * |
| RQCYQ360P | RQYQ180P + RQYQ180P | 2 | 2 | 20 | 18 | 46.2 | * |
| RQCYQ460P | RQYQ140P + RQYQ140P + RQYQ180P | 3 | 3 | 26 | 23 | 59.8 | * |
| RQCYQ500P | RQYQ140P + RQYQ180P + RQYQ180P | 3 | 3 | 29 | 25 | 65 | * |
| RQCYQ540P | RQYQ180P + RQYQ180P + RQYQ180P | 3 | 3 | 33 | 27 | 70.2 | * |
| RQYP615A | RQYP280A + RQYP335A | 2 | 4 | 36 | 30.8 | 80 | * |
| RQYP680A | RQYP280A + RQYP400A | 2 | 5 | 40 | 34 | 88.4 | * |
| RQYP730A | RQYP280A + RQYP450A | 2 | 5 | 43 | 36.5 | 94.9 | * |
| RQYP785A | RQYP335A + RQYP450A | 2 | 5 | 46 | 39.3 | 102 | * |
| RQYP850A | RQYP400A + RQYP450A | 2 | 6 | 48 | 42.5 | 111 | * |

# 2 Possible outdoor units using R-410A

## 2 - 4 VRV®-WIII

### 2 - 4 - 1 Standard series

| VRV®-WIII heat pump | VRV®-WIII heat recovery | Fixed combinations | N° of outdoors | N° of compressors | N° of connectable indoor units | Minimum capacity index | Maximum capacity index | Capacity steps |
|---|---|---|---|---|---|---|---|---|
| RWEYQ8P | | RWEYQ8P | 1 | 1 | 13 | 100 | 260 | * |
| RWEYQ10P | | RWEYQ10P | 1 | 1 | 16 | 125 | 325 | * |
| RWEYQ16P | | RWEYQ8P + RWEYQ8P | 2 | 2 | 26 | 200 | 520 | * |
| RWEYQ18P | | RWEYQ8P + RWEYQ10P | 2 | 2 | 29 | 225 | 585 | * |
| RWEYQ20P | | RWEYQ10P + RWEYQ10P | 2 | 2 | 32 | 250 | 650 | * |
| RWEYQ24P | | RWEYQ8P + RWEYQ8P + RWEYQ8P | 3 | 3 | 36 | 300 | 780 | * |
| RWEYQ26P | | RWEYQ8P + RWEYQ8P + RWEYQ10P | 3 | 3 | 36 | 325 | 845 | * |
| RWEYQ28P | | RWEYQ8P + RWEYQ10P + RWEYQ10P | 3 | 3 | 36 | 350 | 910 | * |
| RWEYQ30P | | RWEYQ10P + RWEYQ10P + RWEYQ10P | 3 | 3 | 36 | 375 | 975 | * |

### 2 - 4 - 2 Geothermal series

| VRV®-WIII heat pump | VRV®-WIII heat recovery | Fixed combinations | N° of outdoors | N° of compressors | N° of connectable indoor units | Minimum capacity index | Maximum capacity index | Capacity steps |
|---|---|---|---|---|---|---|---|---|
| RWEYQ8PR | | RWEYQ8PR | 1 | 1 | 13 | 100 | 260 | * |
| RWEYQ10PR | | RWEYQ10PR | 1 | 1 | 16 | 125 | 325 | * |

## 2 - 5 Indoor unit capacity index

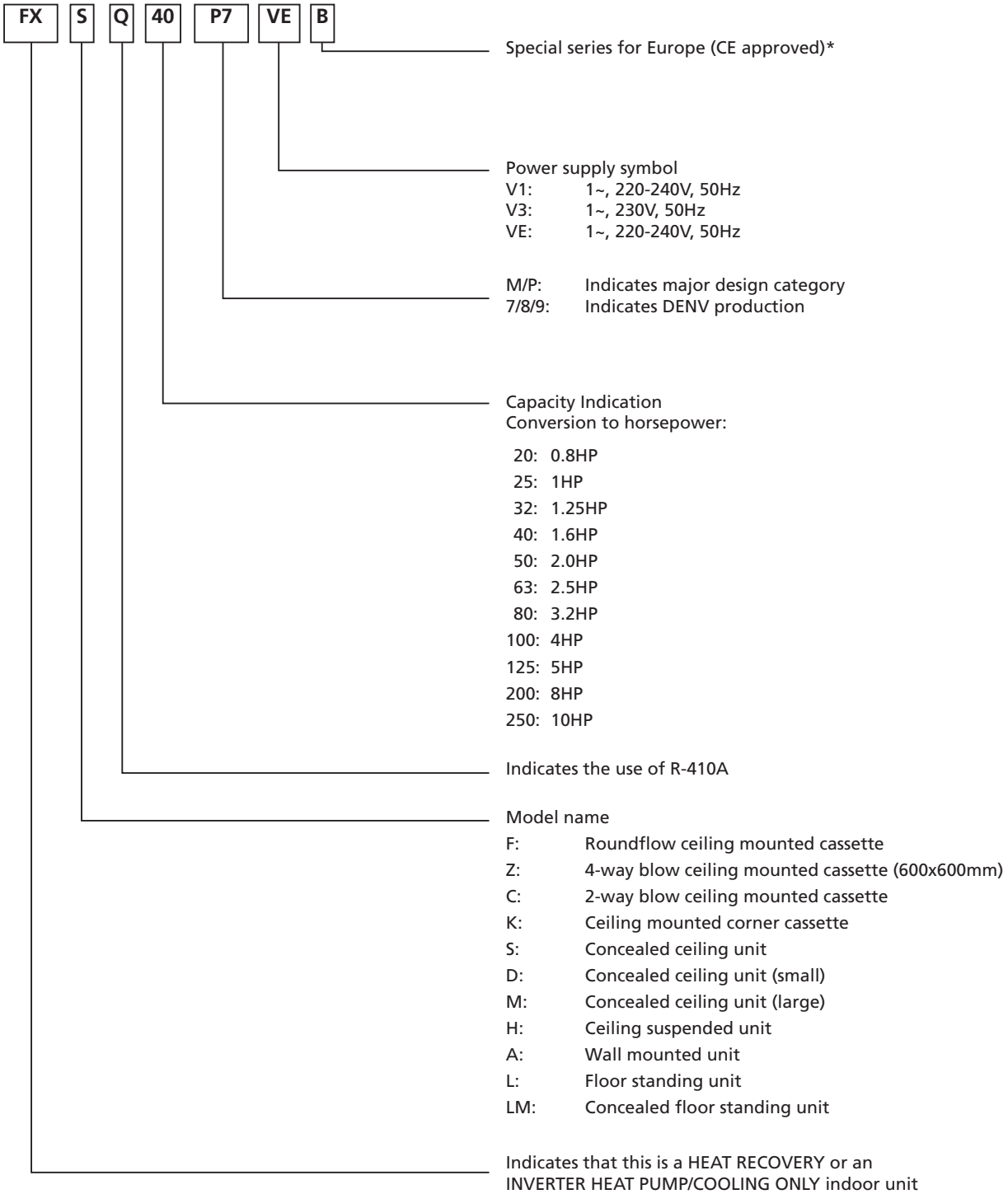
| Model | 20 | 25 | 32 | 40 | 50 | 63 | 71 | 80 | 100 | 125 | 200 | 250 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Capacity index | 20 | 25 | 31.25 | 40 | 50 | 62.5 | 71 | 80 | 100 | 125 | 200 | 250 |

**NOTE**

1 e.g. Selected indoor units: FXCQ25 + FXFQ100 + FXMQ200 + FXSQ40
Connection ratio: 25 + 100 + 200 + 40 = 365
→ Possible outdoor unit: REYQ12P8

# 3 Nomenclature

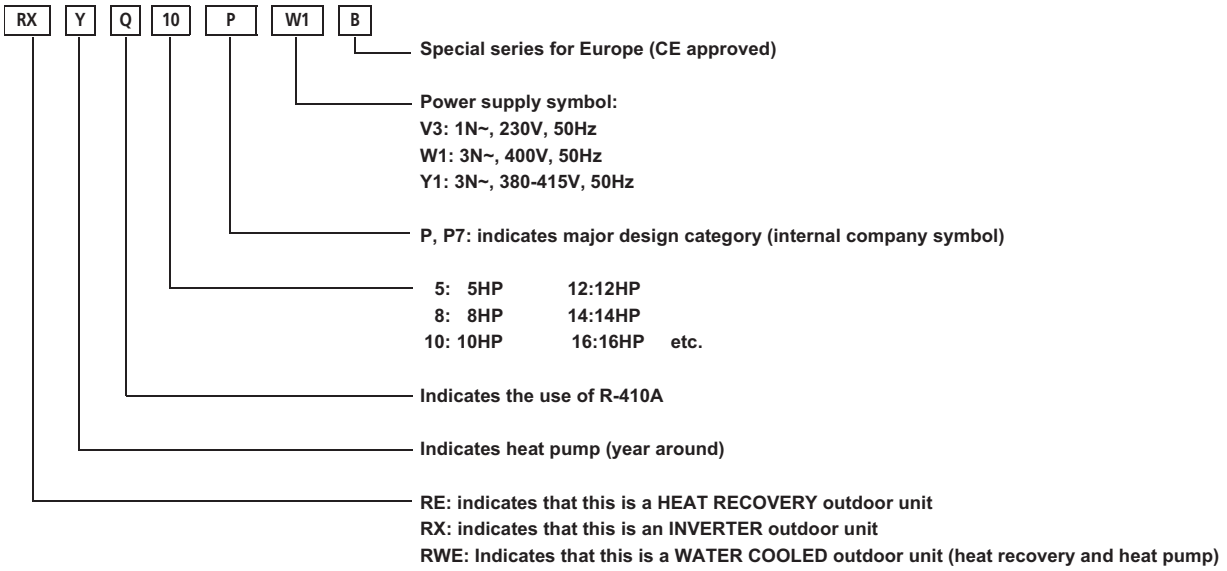
## 3 - 1 Indoor units




* B is not mandatory for indoor units

# 3 Nomenclature

## 3 - 2 Outdoor units




Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.

VRV® products are not within the scope of the Eurovent certification programme.



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**DAIKIN EUROPE N.V.** Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - www.daikin.eu - BE 0412 120 336 - RPR Oostende