



DC Inverter  
Cooling & heating

# YDZC MULTISPLIT

A<sup>++</sup>



COMPATIBLE  
WITH

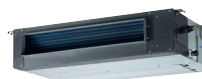
HIGH WALL HDH  
9/12/18/24

HIGH WALL HKD  
9/12/18/24



DUCTED MEDIUM STATIC  
PRESSURE DDM 12/18

CASSETTE CDM  
9X/12/18



CONSOLE XDM  
12X/18



## + PRODUCTS

- Flexy Match (compatible with a large part of the range)
- Total length of tubes up to 80 m
- High power compared with market average
- Electronic expansion valve

## FEATURES

### TECHNOLOGY:



### INSTALLER FUNCTIONS:



### THE + «SUSTAINABLE DEVELOPMENT»

- High energy class A<sup>++</sup> (cooling mode)/A<sup>+</sup> (heating mode)
- Energy savings (heating mode only, setpoint limits)

### THE + «USER»

- A large choice of indoor units
- Small footprint with a single outdoor unit

### THE + «INSTALLER»

- Scalable and flexible installation
- Long piping

### THE + «TECHNOLOGY»

- High corrosion resistance with the Golden Fin
- Coolant leak detection

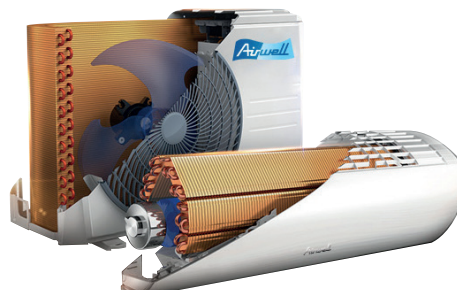
## CERTIFICATION

AIRWELL participates in the ECP programme for AC1.  
Check ongoing validity of certificate:  
[www.eurovent-certification.com](http://www.eurovent-certification.com)



\* models so marked are not Eurovent certified

### Golden Fin: anti-corrosion protection on the exchanger



*Airwell*  
Just feel well

HIGH WALL  
HDH 9/12/18/24



### HDH INDOOR UNITS TECHNICAL DATA

| Indoor unit                               |        | AW-HDH009-N91 | AW-HDH012-N91 | AW-HDH018-N91 | AW-HDH024-N91 |
|-------------------------------------------|--------|---------------|---------------|---------------|---------------|
| Phase                                     |        | Single phase  | Single phase  | Single phase  | Single phase  |
| Cooling rated capacity                    | kW     | 2.84          | 3.52          | 5.28          | 7.32          |
| Heating rated capacity                    | kW     | 2.77          | 3.74          | 5.58          | 7.54          |
| Sound pressure level to 1 m (VL/LS/MS/HS) | dB(A)  | 20/23/29/39   | 21/22/30/38   | 22/28/33/41   | 26/30/40/46   |
| Sound power level                         | dB(A)  | 54            | 56            | 58            | 62            |
| Airflow (LS/MS/HS)                        | m³/h   | 230/309/416   | 294/459/515   | 420/505/750   | 640/830/1020  |
| Dehumidification                          | l/h    | 1             | 1.2           | 1.7           | 2.4           |
| Outline dimensions (WxHxD)                | mm     | 722x290x187   | 802x297x189   | 965x319x215   | 1080x335x226  |
| Package dimensions (WxHxD)                | mm     | 790x370x270   | 875x375x285   | 1045x405x305  | 1155x415x315  |
| Net weight/Gross weight                   | kg     | 7.4/9.6       | 8.2/10.7      | 10.8/14.1     | 12.9/16.5     |
| PIPE LINE                                 |        |               |               |               |               |
| Suction pipe diameter                     | inches | 3/8"          | 3/8"          | 1/2"          | 5/8"          |
| Liquid pipe diameter                      | inches | 1/4"          | 1/4"          | 1/4"          | 3/8"          |
| Part number                               |        | 7SP023186     | 7SP023187     | 7SP023188     | 7SP023189     |

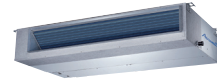
HIGH WALL  
HKD 9/12/18/24



### HKD INDOOR UNITS TECHNICAL DATA

| Indoor unit                               |        | AW-HKD009-N91 | AW-HKD012-N91 | AW-HKD018-N91 | AW-HKD024-N91 |
|-------------------------------------------|--------|---------------|---------------|---------------|---------------|
| Phase                                     |        | Single phase  | Single phase  | Single phase  | Single phase  |
| Cooling rated capacity                    | kW     | 2.64          | 3.52          | 5.28          | 7.03          |
| Heating rated capacity                    | kW     | 2.93          | 3.81          | 5.57          | 7.33          |
| Sound pressure level to 1 m (VL/LS/MS/HS) | dB(A)  | 21/26/30/40   | 22/26/34/40   | 25/30/37/44   | 28/34/42/44   |
| Sound power level                         | dB(A)  | 53            | 53            | 55            | 59            |
| Airflow (LS/MS/HS)                        | m³/h   | 340/460/520   | 360/500/600   | 540/680/840   | 662/817/980   |
| Outline dimensions (WxHxD)                | mm     | 805x285x194   | 805x285x194   | 957x302x213   | 1040x327x220  |
| Package dimensions (WxHxD)                | mm     | 870x360x270   | 870x360x270   | 1035x380x295  | 1120x405x310  |
| Net weight/Gross weight                   | kg     | 7.5/9.7       | 7.5/9.7       | 10/13         | 12.3/15.8     |
| PIPE LINE                                 |        |               |               |               |               |
| Suction pipe diameter                     | inches | 3/8"          | 3/8"          | 1/2"          | 5/8"          |
| Liquid pipe diameter                      | inches | 1/4"          | 1/4"          | 1/4"          | 3/8"          |
| Part number                               |        | 7SP023135     | 7SP023136     | 7SP023137     | 7SP023138     |

DUCTED MEDIUM STATIC  
PRESSURE DDM 12/18



### DDM INDOOR UNITS TECHNICAL DATA

| Indoor unit                              |        | AW-DDM012-N91 | AW-DDM018-N91 |
|------------------------------------------|--------|---------------|---------------|
| Phase                                    |        | Single phase  | Single phase  |
| Cooling rated capacity                   | kW     | 3.52          | 5.28          |
| Heating rated capacity                   | kW     | 4.10          | 5.86          |
| Sound pressure level to 1 m (LS/MS/HS)   | dB(A)  | 26/31/35      | 33/38/42      |
| Sound power level                        | dB(A)  | 56            | 59            |
| Airflow (LS/MS/HS)                       | m³/h   | 300/480/600   | 350/650/880   |
| External static pressure (standard/max.) | Pa     | 10 (0-60)     | 25 (0-100)    |
| Dehumidification                         | l/h    | 1.5           | 2.0           |
| Outline dimensions (WxHxD)               | mm     | 700x200x506   | 880x210x674   |
| Package dimensions (WxHxD)               | mm     | 860x285x540   | 1070x280x725  |
| Net weight/Gross weight                  | kg     | 18/22         | 24.3/29.6     |
| <b>PIPE LINE</b>                         |        |               |               |
| Suction pipe diameter                    | inches | 3/8"          | 1/2"          |
| Liquid pipe diameter                     | inches | 1/4"          | 1/4"          |
| Part number                              |        | 7SP033031     | 7SP033032     |

CASSETTE  
CDM 9X/12/18



CONSOLE  
XDM 12X/18



### CDM & XDM INDOOR UNITS TECHNICAL DATA

| Indoor unit                            |        | AW-CDM009X-N91 | AW-CDM012-N91 | AW-CDM018-N91 | AW-XDM012X-N91 | AW-XDM018-N91 |
|----------------------------------------|--------|----------------|---------------|---------------|----------------|---------------|
| Phase                                  |        | Single phase   | Single phase  | Single phase  | Single phase   | Single phase  |
| Cooling rated capacity                 | kW     | 2.6            | 3.52          | 5.28          | 3.5            | 4.84          |
| Heating rated capacity                 | kW     | 2.9            | 4.4           | 5.42          | 3.8            | 4.95          |
| Sound pressure level to 1 m (LS/MS/HS) | dB(A)  | 31/34/39       | 33/36/41      | 35/39/42      | 35/41/43       | 35/39/42      |
| Sound power level                      | dB(A)  | 54             | 56            | 56            | 58             | 60            |
| Airflow (LS/MS/HS)                     | m³/h   | 400/504/580    | 416/504/617   | 540/625/720   | 370/480/512    | 400/480/560   |
| Dehumidification                       | l/h    | 1.2            | 1.5           | 2             | 1.5            | 2             |
| Outline dimensions (WxHxD)             | mm     | 570x260x570    | 570x260x570   | 570x260x570   | 700x210x600    | 700x210x600   |
| Package dimensions (WxHxD)             | mm     | 662x317x662    | 662x317x662   | 662x317x662   | 810x305x710    | 810x305x710   |
| Net weight/Gross weight                | kg     | 14.5/17.3      | 16.2/21.4     | 16.2/21.4     | 14.8/19        | 14.8/19.1     |
| <b>FRAME</b>                           |        |                |               |               |                |               |
| Outline dimensions (WxHxD)             | mm     | 647x50x647     | 647x50x647    | 647x50x647    |                |               |
| Package dimensions (WxHxD)             | mm     | 715x123x715    | 715x123x715   | 715x123x715   |                |               |
| Net weight/Gross weight                | kg     | 2.5/4.5        | 2.5/4.5       | 2.5/4.5       |                |               |
| Frame part number                      |        | 7ACVF0566      | 7ACVF0566     | 7ACVF0566     |                |               |
| <b>PIPE LINE</b>                       |        |                |               |               |                |               |
| Suction pipe diameter                  | inches | 3/8"           | 3/8"          | 1/2"          | 3/8"           | 1/2"          |
| Liquid pipe diameter                   | inches | 1/4"           | 1/4"          | 1/4"          | 1/4"           | 1/4"          |
| Part number                            |        | 7SP042261X     | 7SP042262     | 7SP042263     | 7SP071413X     | 7SP071414     |

COMPATIBLE  
WITH



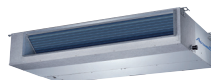
HIGH WALL HDH  
9/12/18/24



HIGH WALL HKD  
9/12/18/24



DUCTED MEDIUM STATIC  
PRESSURE DDM 12/18



CASSETTE CDM  
9X/12/18



CONSOLE XDM  
12X/18



## YDZC218 MULTISPLIT DUO

| Indoor unit combinations | COOLING          |        |                  |       |      |                        |       |      |                       | HEATING          |        |                  |       |      |                        |       |      |                       |
|--------------------------|------------------|--------|------------------|-------|------|------------------------|-------|------|-----------------------|------------------|--------|------------------|-------|------|------------------------|-------|------|-----------------------|
|                          | Rated power (kW) |        | Total power (kW) |       |      | Total input power (kW) |       |      | SEER/<br>Energy label | Rated power (kW) |        | Total power (kW) |       |      | Total input power (kW) |       |      | SCOP/<br>Energy label |
|                          | Unit A           | Unit B | Min.             | Rated | Max. | Min.                   | Rated | Max. |                       | Unit A           | Unit B | Min.             | Rated | Max. | Min.                   | Rated | Max. |                       |
| 9+9                      | 2.6              | 2.6    | 2.08             | 5.20  | 6.29 | 0.58                   | 1.6   | 2.01 | 6.10/A++              | 2.79             | 2.79   | 2.23             | 5.57  | 6.74 | 0.49                   | 1.39  | 1.88 | 4.00/A+               |
| 9+12                     | 2.27             | 3.03   | 2.15             | 5.30  | 6.35 | 0.6                    | 1.62  | 2.03 | 6.10/A++              | 2.44             | 3.26   | 2.23             | 5.70  | 6.74 | 0.53                   | 1.45  | 1.92 | 4.00/A+               |
| 12+12                    | 2.70             | 2.70   | 2.33             | 5.40  | 6.40 | 0.67                   | 1.67  | 2.06 | 6.10/A++              | 2.98             | 2.98   | 2.23             | 5.95  | 6.74 | 0.60                   | 1.50  | 1.96 | 4.00/A+               |

Based on wall mounted combination



## YDZC327 MULTISPLIT TRIO

| Indoor unit combinations | COOLING          |        |        |                  |       |      |                        |       |      |                       | HEATING          |        |        |                  |       |      |                        |       |      |                       |
|--------------------------|------------------|--------|--------|------------------|-------|------|------------------------|-------|------|-----------------------|------------------|--------|--------|------------------|-------|------|------------------------|-------|------|-----------------------|
|                          | Rated power (kW) |        |        | Total power (kW) |       |      | Total input power (kW) |       |      | SEER/<br>Energy label | Rated power (kW) |        |        | Total power (kW) |       |      | Total input power (kW) |       |      | SCOP/<br>Energy label |
|                          | Unit A           | Unit B | Unit C | Min.             | Rated | Max. | Min.                   | Rated | Max. |                       | Unit A           | Unit B | Unit C | Min.             | Rated | Max. | Min.                   | Rated | Max. |                       |
| 9+9                      | 2.68             | 2.68   | -      | 2.21             | 5.37  | 7.11 | 0.63                   | 1.66  | 2.44 | 6.10/A++              | 3.01             | 3.01   | -      | 2.30             | 6.01  | 7.38 | 0.57                   | 1.65  | 2.18 | 3.80/A                |
| 9+12                     | 2.68             | 3.57   | -      | 2.21             | 6.24  | 7.51 | 0.63                   | 1.93  | 2.56 | 6.10/A++              | 2.90             | 3.87   | -      | 2.30             | 6.77  | 7.79 | 0.57                   | 1.83  | 2.29 | 3.80/A                |
| 9+18                     | 2.63             | 5.27   | -      | 2.21             | 7.90  | 7.90 | 0.63                   | 2.44  | 2.68 | 6.10/A++              | 2.73             | 5.47   | -      | 2.30             | 8.20  | 8.20 | 0.57                   | 2.18  | 2.40 | 3.80/A                |
| 12+12                    | 3.56             | 3.56   | -      | 2.21             | 7.12  | 7.66 | 0.63                   | 2.20  | 2.63 | 6.10/A++              | 3.76             | 3.76   | -      | 2.30             | 7.53  | 7.95 | 0.57                   | 2.02  | 2.36 | 3.80/A                |
| 12+18                    | 3.20             | 4.80   | -      | 2.84             | 8.00  | 8.80 | 0.80                   | 2.50  | 2.95 | 6.10/A++              | 3.36             | 5.04   | -      | 2.96             | 8.40  | 9.12 | 0.73                   | 2.24  | 2.69 | 3.80/A                |
| 9+9+9                    | 2.63             | 2.63   | 2.63   | 2.77             | 7.90  | 8.69 | 0.76                   | 2.44  | 2.90 | 6.20/A++              | 2.73             | 2.73   | 2.73   | 2.87             | 8.20  | 9.02 | 0.68                   | 2.18  | 2.66 | 4.00/A+               |
| 9+9+12                   | 2.40             | 2.40   | 3.20   | 2.84             | 8.00  | 8.80 | 0.80                   | 2.50  | 2.95 | 6.20/A++              | 2.52             | 2.52   | 3.36   | 2.96             | 8.40  | 9.12 | 0.73                   | 2.24  | 2.69 | 4.00/A+               |
| 9+12+12                  | 2.22             | 2.96   | 2.96   | 2.90             | 8.13  | 8.91 | 0.84                   | 2.54  | 3.00 | 6.20/A++              | 2.35             | 3.13   | 3.13   | 3.05             | 8.60  | 9.25 | 0.76                   | 2.28  | 2.73 | 4.00/A+               |
| 12+12+12                 | 2.76             | 2.76   | 2.76   | 3.01             | 8.27  | 9.03 | 0.89                   | 2.60  | 3.05 | 6.20/A++              | 2.93             | 2.93   | 2.93   | 3.12             | 8.80  | 9.37 | 0.80                   | 2.30  | 2.76 | 4.00/A+               |

Based on wall mounted combination



## YDZC436 MULTISPLIT QUATTRO

| Indoor unit combinations | COOLING          |        |        |        |                  |       |       |                        |       |      |                       | HEATING          |        |        |        |                  |       |       |                        |       |      |                       |
|--------------------------|------------------|--------|--------|--------|------------------|-------|-------|------------------------|-------|------|-----------------------|------------------|--------|--------|--------|------------------|-------|-------|------------------------|-------|------|-----------------------|
|                          | Rated power (kW) |        |        |        | Total power (kW) |       |       | Total input power (kW) |       |      | SEER/<br>Energy label | Rated power (kW) |        |        |        | Total power (kW) |       |       | Total input power (kW) |       |      | SCOP/<br>Energy label |
|                          | Unit A           | Unit B | Unit C | Unit D | Min.             | Rated | Max.  | Min.                   | Rated | Max. |                       | Unit A           | Unit B | Unit C | Unit D | Min.             | Rated | Max.  | Min.                   | Rated | Max. |                       |
| 9+9                      | 2.69             | 2.69   | -      | -      | 2.21             | 5.38  | 6.83  | 0.62                   | 1.73  | 2.44 | 6.10/A++              | 3.07             | 3.07   | -      | -      | 2.33             | 6.14  | 7.22  | 0.53                   | 1.63  | 2.08 | 3.50/A                |
| 9+12                     | 2.69             | 3.58   | -      | -      | 2.21             | 6.27  | 7.35  | 0.62                   | 2.00  | 2.60 | 6.10/A++              | 3.00             | 4.00   | -      | -      | 2.33             | 7.00  | 7.77  | 0.53                   | 1.84  | 2.21 | 3.50/A                |
| 9+18                     | 2.68             | 5.36   | -      | -      | 2.21             | 8.04  | 9.45  | 0.62                   | 2.53  | 2.93 | 6.10/A++              | 2.91             | 5.81   | -      | -      | 2.33             | 8.72  | 9.99  | 0.53                   | 2.24  | 2.49 | 3.40/A                |
| 9+24                     | 2.65             | 7.06   | -      | -      | 2.21             | 9.71  | 9.98  | 0.62                   | 3.02  | 3.12 | 6.10/A++              | 2.82             | 7.52   | -      | -      | 2.33             | 10.34 | 10.66 | 0.53                   | 2.60  | 2.63 | 3.40/A                |
| 12+12                    | 3.58             | 3.58   | -      | -      | 2.21             | 7.15  | 7.88  | 0.62                   | 2.27  | 2.76 | 6.10/A++              | 3.93             | 3.93   | -      | -      | 2.33             | 7.86  | 8.33  | 0.53                   | 2.04  | 2.35 | 3.40/A                |
| 12+18                    | 3.57             | 5.36   | -      | -      | 2.21             | 8.93  | 9.98  | 0.62                   | 2.79  | 2.93 | 6.10/A++              | 3.83             | 5.75   | -      | -      | 2.33             | 9.58  | 10.55 | 0.53                   | 2.43  | 2.49 | 3.50/A                |
| 12+24                    | 3.50             | 7.00   | -      | -      | 2.21             | 10.50 | 10.50 | 0.62                   | 3.25  | 3.19 | 6.10/A++              | 3.70             | 7.40   | -      | -      | 2.33             | 11.10 | 10.88 | 0.53                   | 2.77  | 2.71 | 3.40/A                |
| 18+18                    | 5.25             | 5.25   | -      | -      | 2.21             | 10.50 | 10.50 | 0.62                   | 3.25  | 3.25 | 6.10/A++              | 5.55             | 5.55   | -      | -      | 2.33             | 11.10 | 11.10 | 0.53                   | 2.77  | 2.77 | 3.40/A                |
| 9+9+9                    | 2.65             | 2.65   | 2.65   | -      | 2.84             | 7.94  | 9.98  | 0.78                   | 2.50  | 3.41 | 6.30/A++              | 2.87             | 2.87   | 2.87   | -      | 3.00             | 8.62  | 10.55 | 0.66                   | 2.22  | 2.91 | 3.60/A                |
| 9+9+12                   | 2.65             | 2.65   | 3.53   | -      | 2.84             | 8.83  | 10.50 | 0.78                   | 2.76  | 3.41 | 6.30/A++              | 2.84             | 2.84   | 3.79   | -      | 3.00             | 9.48  | 11.10 | 0.66                   | 2.41  | 2.91 | 3.60/A                |
| 9+9+18                   | 2.63             | 2.63   | 5.25   | -      | 2.84             | 10.50 | 11.55 | 0.78                   | 3.25  | 3.58 | 6.30/A++              | 2.78             | 2.78   | 5.55   | -      | 3.00             | 11.10 | 12.21 | 0.66                   | 2.77  | 3.04 | 3.60/A                |
| 9+9+24                   | 2.37             | 2.37   | 6.31   | -      | 3.95             | 11.05 | 14.54 | 0.92                   | 3.29  | 4.03 | 6.30/A++              | 2.39             | 2.39   | 6.38   | -      | 3.97             | 11.16 | 13.45 | 0.78                   | 2.80  | 3.63 | 3.60/A                |
| 9+12+12                  | 2.65             | 3.53   | 3.53   | -      | 2.84             | 9.71  | 11.55 | 0.78                   | 3.02  | 3.58 | 6.30/A++              | 2.82             | 3.76   | 3.76   | -      | 3.00             | 10.34 | 12.21 | 0.66                   | 2.60  | 3.04 | 3.60/A                |
| 9+12+18                  | 2.42             | 3.23   | 4.85   | -      | 2.84             | 10.50 | 11.55 | 0.78                   | 3.25  | 3.58 | 6.30/A++              | 2.56             | 3.42   | 5.12   | -      | 3.00             | 11.10 | 12.21 | 0.66                   | 2.77  | 3.04 | 3.60/A                |
| 9+12+24                  | 2.30             | 3.07   | 6.14   | -      | 4.12             | 11.52 | 14.86 | 0.97                   | 3.34  | 4.06 | 6.30/A++              | 2.33             | 3.10   | 6.20   | -      | 4.12             | 11.63 | 13.56 | 0.81                   | 2.82  | 3.65 | 3.60/A                |
| 9+18+18                  | 2.30             | 4.61   | 4.61   | -      | 4.12             | 11.52 | 14.86 | 0.97                   | 3.34  | 4.06 | 6.30/A++              | 2.33             | 4.65   | 4.65   | -      | 4.12             | 11.63 | 13.56 | 0.81                   | 2.82  | 3.65 | 3.60/A                |
| 12+12+12                 | 3.50             | 3.50   | 3.50   | -      | 2.84             | 10.50 | 11.55 | 0.78                   | 3.25  | 3.58 | 6.30/A++              | 3.70             | 3.70   | 3.70   | -      | 3.00             | 11.10 | 12.21 | 0.66                   | 2.77  | 3.04 | 3.60/A                |
| 12+12+18                 | 3.16             | 3.16   | 4.74   | -      | 3.95             | 11.05 | 14.54 | 0.92                   | 3.29  | 4.03 | 6.30/A++              | 3.19             | 3.19   | 4.78   | -      | 3.97             | 11.16 | 13.45 | 0.78                   | 2.80  | 3.63 | 3.60/A                |
| 9+9+9+9                  | 2.63             | 2.63   | 2.63   | 2.63   | 3.68             | 10.50 | 13.65 | 0.88                   | 3.25  | 3.97 | 6.50/A++              | 2.78             | 2.78   | 2.78   | 2.78   | 3.89             | 11.10 | 13.32 | 0.75                   | 2.77  | 3.60 | 4.00/A+               |
| 9+9+9+12                 | 2.55             | 2.55   | 2.55   | 3.40   | 3.95             | 11.05 | 14.54 | 0.92                   | 3.29  | 4.03 | 6.50/A++              | 2.58             | 2.58   | 2.58   | 3.43   | 3.97             | 11.16 | 13.45 | 0.78                   | 2.80  | 3.63 | 4.00/A+               |
| 9+9+9+18                 | 2.30             | 2.30   | 2.30   | 4.61   | 4.12             | 11.52 | 14.86 | 0.97                   | 3.34  | 4.06 | 6.50/A++              | 2.33             | 2.33   | 2.33   | 4.65   | 4.12             | 11.63 | 13.56 | 0.81                   | 2.82  | 3.65 | 4.00/A+               |
| 9+9+12+12                | 2.37             | 2.37   | 3.16   | 3.16   | 3.95             | 11.05 | 14.54 | 0.92                   | 3.29  | 4.03 | 6.50/A++              | 2.49             | 2.49   | 3.32   | 3.32   | 3.97             | 11.16 | 13.45 | 0.78                   | 2.80  | 3.63 | 4.00/A+               |
| 9+12+12+12               | 2.30             | 3.07   | 3.07   | 3.07   | 4.12             | 11.52 | 14.86 | 0.97                   | 3.34  | 4.06 | 6.50/A++              | 2.33             | 3.10   | 3.10   | 3.10   | 4.12             | 11.63 | 13.56 | 0.81                   | 2.82  | 3.65 | 4.00/A+               |
| 12+12+12+12              | 2.88             | 2.88   | 2.88   | 2.88   | 4.12             | 11.52 | 14.86 | 0.97                   | 3.34  | 4.06 | 6.50/A++              | 2.91             | 2.91   | 2.91   | 2.91   | 4.12             | 11.63 | 13.56 | 0.81                   | 2.82  | 3.65 | 4.00/A+               |

Based on wall mounted combination

COMPATIBLE  
WITH

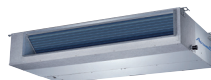
HIGH WALL HDH  
9/12/18/24



HIGH WALL HKD  
9/12/18/24



DUCTED MEDIUM STATIC  
PRESSURE DDM 12/18



CASSETTE CDM  
9X/12/18



CONSOLE XDM  
12X/18



## YDZC542 MULTISPLIT CINCO

| Indoor unit combinations | COOLING          |        |        |        |        |                          |       |       |                        |       |      |                       | HEATING          |        |        |        |        |                          |       |       |                        |       |      |                       |
|--------------------------|------------------|--------|--------|--------|--------|--------------------------|-------|-------|------------------------|-------|------|-----------------------|------------------|--------|--------|--------|--------|--------------------------|-------|-------|------------------------|-------|------|-----------------------|
|                          | Rated power (kW) |        |        |        |        | Total cooling power (kW) |       |       | Total Input power (kW) |       |      | SEER/<br>Energy label | Rated power (kW) |        |        |        |        | Total heating power (kW) |       |       | Total Input power (kW) |       |      | SCOP/<br>Energy label |
|                          | Unit A           | Unit B | Unit C | Unit D | Unit E | Min.                     | Rated | Max.  | Min.                   | Rated | Max. |                       | Unit A           | Unit B | Unit C | Unit D | Unit E | Min.                     | Rated | Max.  | Min.                   | Rated | Max. |                       |
| 9+9                      | 2.64             | 2.64   | -      | -      | -      | 2.34                     | 5.28  | 8.00  | 0.72                   | 1.69  | 2.85 | 5.60/A+               | 2.99             | 2.99   | -      | -      | -      | 2.34                     | 5.97  | 8.00  | 0.53                   | 1.60  | 2.08 | 3.60/A                |
| 9+12                     | 2.61             | 3.48   | -      | -      | -      | 2.34                     | 6.09  | 8.61  | 0.72                   | 1.97  | 2.89 | 5.60/A+               | 2.87             | 3.83   | -      | -      | -      | 2.34                     | 6.70  | 8.61  | 0.53                   | 1.78  | 2.11 | 3.60/A                |
| 9+18                     | 2.57             | 5.14   | -      | -      | -      | 2.34                     | 7.71  | 11.07 | 0.72                   | 2.53  | 3.19 | 5.60/A+               | 2.72             | 5.44   | -      | -      | -      | 2.34                     | 8.16  | 11.07 | 0.53                   | 2.14  | 2.32 | 3.60/A                |
| 9+24                     | 2.52             | 6.72   | -      | -      | -      | 2.34                     | 9.24  | 12.30 | 0.72                   | 3.09  | 3.62 | 5.60/A+               | 2.60             | 6.94   | -      | -      | -      | 2.34                     | 9.54  | 12.30 | 0.53                   | 2.47  | 2.63 | 3.60/A                |
| 12+12                    | 3.45             | 3.45   | -      | -      | -      | 2.34                     | 6.90  | 9.23  | 0.72                   | 2.25  | 3.02 | 5.60/A+               | 3.72             | 3.72   | -      | -      | -      | 2.34                     | 7.43  | 9.23  | 0.53                   | 1.96  | 2.20 | 3.60/A                |
| 12+18                    | 3.41             | 5.11   | -      | -      | -      | 2.34                     | 8.52  | 11.69 | 0.72                   | 2.82  | 3.49 | 5.60/A+               | 3.56             | 5.34   | -      | -      | -      | 2.34                     | 8.89  | 11.69 | 0.53                   | 2.32  | 2.54 | 3.80/A                |
| 12+24                    | 3.35             | 6.70   | -      | -      | -      | 2.34                     | 10.05 | 12.30 | 0.72                   | 3.39  | 3.83 | 5.60/A+               | 3.42             | 6.85   | -      | -      | -      | 2.34                     | 10.27 | 12.30 | 0.53                   | 2.64  | 2.79 | 3.80/A                |
| 18+18                    | 5.07             | 5.07   | -      | -      | -      | 2.34                     | 10.14 | 12.30 | 0.72                   | 3.42  | 3.83 | 5.60/A+               | 5.18             | 5.18   | -      | -      | -      | 2.34                     | 10.35 | 12.30 | 0.53                   | 2.66  | 2.79 | 3.80/A                |
| 9+9+9                    | 2.54             | 2.54   | 2.54   | -      | -      | 2.89                     | 7.62  | 10.46 | 0.89                   | 2.50  | 4.26 | 5.80/A+               | 2.69             | 2.69   | 2.69   | -      | -      | 2.89                     | 8.08  | 10.46 | 0.65                   | 2.12  | 3.10 | 3.60/A                |
| 9+9+12                   | 2.53             | 2.53   | 3.37   | -      | -      | 2.89                     | 8.43  | 12.92 | 0.89                   | 2.79  | 4.04 | 5.80/A+               | 2.64             | 2.64   | 3.52   | -      | -      | 2.89                     | 8.81  | 12.92 | 0.65                   | 2.30  | 2.94 | 3.60/A                |
| 9+9+18                   | 2.51             | 2.51   | 5.03   | -      | -      | 2.89                     | 10.05 | 12.30 | 0.89                   | 3.39  | 4.26 | 5.80/A+               | 2.57             | 2.57   | 5.14   | -      | -      | 2.89                     | 10.27 | 12.30 | 0.65                   | 2.64  | 3.10 | 3.50/A                |
| 9+9+24                   | 2.48             | 2.48   | 6.62   | -      | -      | 2.89                     | 11.58 | 12.92 | 0.89                   | 3.97  | 4.43 | 5.80/A+               | 2.50             | 2.50   | 6.66   | -      | -      | 2.89                     | 11.65 | 12.92 | 0.65                   | 2.95  | 3.22 | 3.40/A                |
| 9+12+12                  | 2.52             | 3.36   | 3.36   | -      | -      | 2.89                     | 9.24  | 11.07 | 0.89                   | 3.09  | 4.04 | 5.80/A+               | 2.60             | 3.47   | 3.47   | -      | -      | 2.89                     | 9.54  | 11.07 | 0.65                   | 2.47  | 2.94 | 3.40/A                |
| 9+12+18                  | 2.51             | 3.34   | 5.01   | -      | -      | 2.89                     | 10.86 | 11.69 | 0.89                   | 3.70  | 4.26 | 5.80/A+               | 2.54             | 3.39   | 5.08   | -      | -      | 2.89                     | 11.00 | 11.69 | 0.65                   | 2.81  | 3.10 | 3.50/A                |
| 9+12+24                  | 2.46             | 3.28   | 6.56   | -      | -      | 2.89                     | 12.30 | 12.92 | 0.89                   | 4.26  | 4.43 | 5.80/A+               | 2.46             | 3.28   | 6.56   | -      | -      | 2.89                     | 12.30 | 12.92 | 0.65                   | 3.10  | 3.22 | 3.40/A                |
| 9+18+18                  | 2.46             | 4.92   | 4.92   | -      | -      | 2.89                     | 12.30 | 12.92 | 0.89                   | 4.26  | 4.43 | 5.80/A+               | 2.46             | 4.92   | 4.92   | -      | -      | 2.89                     | 12.30 | 12.92 | 0.65                   | 3.10  | 3.22 | 3.50/A                |
| 12+12+12                 | 3.35             | 3.35   | 3.35   | -      | -      | 2.89                     | 10.05 | 11.07 | 0.89                   | 3.39  | 4.17 | 5.80/A+               | 3.42             | 3.42   | 3.42   | -      | -      | 2.89                     | 10.27 | 11.07 | 0.65                   | 2.64  | 3.04 | 3.50/A                |
| 12+12+18                 | 3.33             | 3.33   | 5.00   | -      | -      | 2.89                     | 11.67 | 12.92 | 0.89                   | 4.01  | 4.43 | 5.80/A+               | 3.35             | 3.35   | 5.03   | -      | -      | 2.89                     | 11.73 | 12.92 | 0.65                   | 2.97  | 3.22 | 3.50/A                |
| 12+12+24                 | 3.08             | 3.08   | 6.15   | -      | -      | 2.89                     | 12.30 | 12.92 | 0.89                   | 4.26  | 4.43 | 5.80/A+               | 3.08             | 3.08   | 6.15   | -      | -      | 2.89                     | 12.30 | 12.92 | 0.65                   | 3.10  | 3.22 | 3.40/A                |
| 12+18+18                 | 3.08             | 4.61   | 4.61   | -      | -      | 2.89                     | 12.30 | 12.92 | 0.89                   | 4.26  | 4.43 | 5.80/A+               | 3.08             | 4.61   | 4.61   | -      | -      | 2.89                     | 12.30 | 12.92 | 0.65                   | 3.10  | 3.22 | 3.40/A                |
| 9+9+9+9                  | 2.49             | 2.49   | 2.49   | 2.49   | -      | 3.69                     | 9.96  | 12.92 | 1.02                   | 3.36  | 4.68 | 6.10/A++              | 2.55             | 2.55   | 2.55   | 2.55   | -      | 3.69                     | 10.19 | 12.92 | 0.74                   | 2.62  | 3.41 | 3.50/A                |
| 9+9+9+12                 | 2.49             | 2.49   | 2.49   | 3.31   | -      | 3.69                     | 10.77 | 13.53 | 1.02                   | 3.66  | 4.68 | 6.10/A++              | 2.52             | 2.52   | 2.52   | 3.36   | -      | 3.69                     | 10.92 | 13.53 | 0.74                   | 2.79  | 3.41 | 3.50/A                |
| 9+9+9+18                 | 2.46             | 2.46   | 2.46   | 4.92   | -      | 3.69                     | 12.30 | 13.53 | 1.02                   | 4.26  | 4.89 | 6.10/A++              | 2.46             | 2.46   | 2.46   | 4.92   | -      | 3.69                     | 12.30 | 13.53 | 0.74                   | 3.10  | 3.56 | 3.40/A                |
| 9+9+9+24                 | 2.21             | 2.21   | 2.21   | 5.91   | -      | 3.69                     | 12.55 | 13.53 | 1.02                   | 4.30  | 4.89 | 6.10/A++              | 2.21             | 2.21   | 2.21   | 5.91   | -      | 3.69                     | 12.55 | 13.53 | 0.74                   | 3.15  | 3.56 | 3.80/A                |
| 9+9+12+12                | 2.48             | 2.48   | 3.31   | 3.31   | -      | 3.69                     | 11.58 | 13.53 | 1.02                   | 3.97  | 4.68 | 6.10/A++              | 2.48             | 2.48   | 3.31   | 3.31   | -      | 3.69                     | 11.58 | 13.53 | 0.74                   | 2.95  | 3.41 | 3.70/A                |
| 9+9+12+18                | 2.33             | 2.33   | 3.11   | 4.66   | -      | 3.69                     | 12.42 | 13.53 | 1.02                   | 4.28  | 4.89 | 6.10/A++              | 2.33             | 2.33   | 3.11   | 4.66   | -      | 3.69                     | 12.42 | 13.53 | 0.74                   | 3.12  | 3.56 | 3.60/A                |
| 9+9+12+24                | 2.10             | 2.10   | 2.80   | 5.60   | -      | 3.69                     | 12.60 | 13.53 | 1.02                   | 4.32  | 4.89 | 6.10/A++              | 2.10             | 2.10   | 2.80   | 5.60   | -      | 3.69                     | 12.60 | 13.53 | 0.74                   | 3.18  | 3.56 | 3.40/A                |
| 9+12+12+12               | 2.46             | 3.28   | 3.28   | 3.28   | -      | 3.69                     | 12.30 | 13.53 | 1.02                   | 4.26  | 4.68 | 6.10/A++              | 2.46             | 3.28   | 3.28   | 3.28   | -      | 3.69                     | 12.30 | 13.53 | 0.74                   | 3.10  | 3.41 | 3.50/A                |
| 9+12+12+18               | 2.21             | 2.95   | 2.95   | 4.43   | -      | 3.69                     | 12.55 | 13.53 | 1.02                   | 4.30  | 4.89 | 6.10/A++              | 2.21             | 2.95   | 2.95   | 4.43   | -      | 3.69                     | 12.55 | 13.53 | 0.74                   | 3.15  | 3.56 | 3.50/A                |
| 12+12+12+12              | 3.11             | 3.11   | 3.11   | 3.11   | -      | 3.69                     | 12.42 | 13.53 | 1.02                   | 4.28  | 4.68 | 6.10/A++              | 3.11             | 3.11   | 3.11   | 3.11   | -      | 3.69                     | 12.42 | 13.53 | 0.74                   | 3.12  | 3.41 | 3.40/A                |
| 12+12+12+18              | 2.80             | 2.80   | 2.80   | 4.20   | -      | 3.69                     | 12.60 | 13.53 | 1.02                   | 4.32  | 4.89 | 6.10/A++              | 2.80             | 2.80   | 2.80   | 4.20   | -      | 3.69                     | 12.60 | 13.53 | 0.74                   | 3.18  | 3.56 | 3.50/A                |
| 9+9+9+9+9                | 2.46             | 2.46   | 2.46   | 2.46   | 2.46   | 4.18                     | 12.30 | 14.00 | 1.15                   | 4.26  | 5.11 | 6.20/A++              | 2.46             | 2.46   | 2.46   | 2.46   | 2.46   | 4.18                     | 12.30 | 14.00 | 0.84                   | 3.10  | 3.72 | 3.80/A                |
| 9+9+9+9+12               | 2.33             | 2.33   | 2.33   | 2.33   | 3.11   | 4.18                     | 12.42 | 14.00 | 1.15                   | 4.28  | 5.11 | 6.20/A++              | 2.33             | 2.33   | 2.33   | 2.33   | 3.11   | 4.18                     | 12.42 | 14.00 | 0.84                   | 3.12  | 3.72 | 3.80/A                |
| 9+9+9+9+18               | 2.10             | 2.10   | 2.10   | 2.10   | 4.20   | 4.18                     | 12.60 | 14.00 | 1.15                   | 4.32  | 5.11 | 6.20/A++              | 2.10             | 2.10   | 2.10   | 2.10   | 4.20   | 4.18                     | 12.60 | 14.00 | 0.84                   | 3.18  | 3.72 | 3.80/A                |
| 9+9+9+12+12              | 2.21             | 2.21   | 2.21   | 2.95   | 2.95   | 4.18                     | 12.55 | 14.00 | 1.15                   | 4.30  | 5.11 | 6.20/A++              | 2.21             | 2.21   | 2.21   | 2.95   | 2.95   | 4.18                     | 12.55 | 14.00 | 0.84                   | 3.15  | 3.72 | 3.80/A                |
| 9+9+12+12+12             | 2.10             | 2.10   | 2.80   | 2.80   | 2.80   | 4.18                     | 12.60 | 14.00 | 1.15                   | 4.32  | 5.11 | 6.20/A++              | 2.10             | 2.10   | 2.80   | 2.80   | 2.80   | 4.18                     | 12.60 | 14.00 | 0.84                   | 3.18  | 3.72 | 3.80/A                |

Based on wall mounted combination



# YDZC TECHNICAL DATA

| Outdoor unit                                 |                                     |        | AW-YDZC218-H91    | AW-YDZC327-H91*  | AW-YDZC436-H91*    | AW-YDZC542-H91*    |
|----------------------------------------------|-------------------------------------|--------|-------------------|------------------|--------------------|--------------------|
| Phase                                        |                                     |        | Single phase      | Single phase     | Single phase       | Single phase       |
| OUTDOOR UNIT                                 |                                     |        |                   |                  |                    |                    |
| Cooling                                      | Rated power (min./max.)             | kW     | 5.27 (1.13-5.56)  | 7.91 (2.16-8.49) | 10.55 (3.64-12.31) | 12.31 (2.98-12.60) |
|                                              | Pdesignnc                           | kW     | 5.20              | 8.00             | 11.00              | 13.00              |
|                                              | Rated power input                   | kW     | 1.61              | 2.45             | 3.30               | 4.32               |
|                                              | SEER/Energy label                   |        | 6.1/A++           | 6.2/A++          | 6.3/A++            | 6.2/A++            |
|                                              | Operating limits                    | °C     | -15°/50° Dry bulb |                  |                    |                    |
| Heating                                      | Rated power (min./max.)             | kW     | 5.57 (1.79-5.86)  | 8.21 (2.04-9.37) | 10.84 (2.85-12.02) | 12.30 (2.75-12.60) |
|                                              | Pdesignnh (average climate)         | kW     | 5.00              | 5.60             | 9.00               | 9.20               |
|                                              | Pdesignnh (warmer climate)          |        | 5.10              | 5.70             | 9.10               | 9.30               |
|                                              | Rated power input                   | kW     | 1.39              | 2.10             | 2.76               | 3.10               |
|                                              | SCOP/Energy label (average climate) |        | 4/A+              | 3.8/A            | 4/A+               | 3.6/A              |
|                                              | SCOP/Energy label (warmer climate)  |        | 5.1/A+++          | 5.1/A+++         | 5.1/A+++           | 4.6/A++            |
|                                              | Operating limits                    | °C     | -15°/24° Dry bulb |                  |                    |                    |
| Sound pressure level to 1 m                  |                                     | dB(A)  | 56                | 59               | 63                 | 64                 |
| Sound power level                            |                                     | dB(A)  | 63                | 65               | 67                 | 69                 |
| Airflow                                      |                                     | m³/h   | 2200              | 2700             | 4000               | 3850               |
| Compressor type                              |                                     |        | Rotary            | Rotary           | Rotary             | Rotary             |
| Outline dimensions (WxHxD)                   |                                     | mm     | 800x554x333       | 845x702x363      | 946x810x410        | 946x810x410        |
| Package dimensions (WxHxD)                   |                                     | mm     | 920x615x390       | 965x765x395      | 1090x875x500       | 1090x875x500       |
| Net weight/Gross weight                      |                                     | kg     | 35.5/38.5         | 51.5/55.8        | 68.8/75.6          | 73.3/80.4          |
| Part number                                  |                                     |        | 7SP091191         | 7SP091192        | 7SP091183          | 7SP091184          |
| POWER SUPPLY                                 |                                     |        |                   |                  |                    |                    |
| Phase/Voltage/Frequency                      |                                     |        | 1P/230V/50Hz      | 1P/230V/50Hz     | 1P/230V/50Hz       | 1P/230V/50Hz       |
| Power supply side                            |                                     |        | Outdoor           | Outdoor          | Outdoor            | Outdoor            |
| Power cable section                          |                                     | mm²    | 3x2.5             | 3x2.5            | 3x2.5              | 3x4                |
| Fuse rating am (D curve)                     |                                     | A      | 20                | 20               | 25                 | 32                 |
| Electrical connections                       |                                     | mm²    | 2 x (4x1.5)       | 3 x (4x1.5)      | 4 x (4x1.5)        | 5 x (4x1.5)        |
| PIPE LINE                                    |                                     |        |                   |                  |                    |                    |
| Suction pipe diameter                        |                                     | inches | 2x3/8"            | 3x3/8"           | 3x3/8"+1x1/2"      | 4x3/8"+1x1/2"      |
| Liquid pipe diameter                         |                                     | inches | 2x1/4"            | 3x1/4"           | 4x1/4"             | 5x1/4"             |
| Max. length                                  |                                     | m      | 40                | 60               | 80                 | 80                 |
| Max. length per circuit                      |                                     | m      | 25                | 30               | 35                 | 35                 |
| Max. height between indoor and outdoor units | ODU higher than IDU                 | m      | 15                | 15               | 15                 | 15                 |
|                                              | ODU lower than IDU                  | m      | 15                | 15               | 15                 | 15                 |
| Max. height between indoor units             |                                     | m      | 10                | 10               | 10                 | 10                 |
| Refrigerant/GWP                              |                                     | kg     | R32/675           | R32/675          | R32/675            | R32/675            |
| Charge                                       |                                     | kg     | 1.25              | 1.72             | 2.1                | 2.4                |
| Totale length charge                         |                                     | m      | 15                | 22.5             | 30                 | 37.5               |
| Additional charge                            |                                     | g/m    | 12                | 12               | 12                 | 12                 |