

# 1 WAY CASSETTE



2,5 kW

3,5 kW

5,0 kW

7,1 kW

Please see pages 31 & 32  
For Controller Options

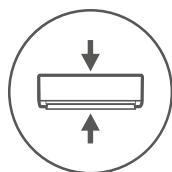


Integrated  
Wi-Fi Control



**The 1-Way Cassette** is a sleek ceiling cassette air conditioner designed for discreet, space-saving installation in offices, shops, or compact rooms. Its low-profile panel ensures minimal visual impact while delivering quiet operation at just 34 dB(A). The unit provides fresh air circulation for constant, healthy airflow and comes with a Standard Condensate Drain Pump.

## KEY FEATURES



Compact  
Design



UVC  
Sterilisation



Fresh Air

| MODEL                                           | Indoor        |           | AB25S2SA1FA(H)  | AB35S2SA1FA(H)  | AB50S2SA1FA(H)  | AB71S2SA1FA(H)  |
|-------------------------------------------------|---------------|-----------|-----------------|-----------------|-----------------|-----------------|
|                                                 | Outdoor       |           | 1U25S2SM1FA-2   | 1U35S2SM1FA-2   | 1U50S2SJ2FA-2   | 1U71S2ST1FA     |
| Performance data                                |               |           |                 |                 |                 |                 |
| Output power - COOLING                          | nom (min-max) | kW        | 2,6 (0,7-4,3)   | 3,5 (1,0-4,3)   | 5,0 (1,8-5,8)   | 6,9 (2-7,3)     |
| Output power - HEATING                          | nom (min-max) | kW        | 3,2 (0,9-4,6)   | 4,0 (1,0-5,3)   | 5,5 (2-6,5)     | 7,6 (2,5-8)     |
| Absorbed power – COOLING                        | nom (min-max) | kW        | 0,78 (0,25-1,6) | 1,06 (0,3-1,5)  | 1,53 (0,55-2)   | 2,14 (0,5-2,6)  |
| Absorbed power – HEATING                        | nom (min-max) | kW        | 0,86 (0,25-1,6) | 1,08 (0,5-1,6)  | 1,48 (0,7-2,1)  | 2,04 (0,5-2,6)  |
| Energy class                                    | EER           | W/W       | 3,31            | 3,31            | 3,26            | 3,23            |
|                                                 | COP           | W/W       | 3,72            | 3,72            | 3,72            | 3,72            |
| COOLING Pdesign                                 | 35 °C         | kW        | 2,6             | 3,5             | 5               | 6,9             |
| HEATING Pdesign                                 | (-10 °C)      | kW        | 2,1             | 3               | 4               | 5               |
| Energy class                                    | SEER          |           | 6,2 (A++)       | 6,2 (A++)       | 6,2 (A++)       | 6,1 (A++)       |
|                                                 | SCOP          |           | 4,0 (A+)        | 4,2 (A+)        | 4,0 (A+)        | 4,0 (A+)        |
| Annual Energy Consumption - COOLING             |               | kWh/a     | 210             | 199             | 363             | 406             |
| Annual Energy Consumption - HEATING             |               | kWh/a     | 1398            | 1020            | 1932            | 1831            |
| Indoor Unit                                     |               |           |                 |                 |                 |                 |
| Power supply                                    |               | Ph/V/Hz   | 1/220-240/50/60 | 1/220-240/50/60 | 1/220-240/50/60 | 1/220-240/50/60 |
| Treated air volume                              | H/M/L/Q       | m3/h      | 500/450/400/350 | 560/500/450/400 | 850/700/550/450 | 900/700/600/500 |
| High sound power                                |               | dB        | 62              | 64              | 65              | 67              |
| Sound pressure                                  |               | dB(A)     | 43/40/37/34     | 45/42/39/36     | 47/44/41/38     | 49/46/43/40     |
| Net dimensions                                  | WxDxH         | mm        | 850x540x185     | 850x540x185     | 1170x540x185    | 1170x540x185    |
| Packaging dimensions                            | WxDxH         | mm        | 1043x648x270    | 1043x648x270    | 1363x648x270    | 1363x648x270    |
| Net/gross weight                                |               | kg        | 20,8/24,9       | 20,8/24,9       | 26/31           | 27/32           |
| Panel                                           | Model         |           | P1B-1028IB      | P1B-1028IB      | P1B-1348IB      | P1B-1348IB      |
| Panel Net dimensions                            | WxDxH         | mm        | 1028x600x45     | 1028x600x45     | 1348x600x45     | 1348x600x45     |
| Panel Packaging dimensions                      | WxDxH         | mm        | 1143x688x170    | 1143x688x170    | 1463x688x170    | 1463x688x170    |
| Panel Net/gross weight                          |               | kg        | 3,9/8,0         | 3,9/8,0         | 5,1/9,8         | 5,1/9,8         |
| Outdoor Unit                                    |               |           |                 |                 |                 |                 |
| Power supply                                    |               | Ph/V/Hz   | 1/220-240/50    | 1/220-240/50    | 1/220-240/50    | 1/220-240/50/60 |
| Power cable                                     |               | N x mm2   | 3 x 1,5         | 3 x 1,5         | 3 x 1,5         | 3 x 4,0         |
| Interconnection cable                           |               | N x mm2   | 4 x 1,0         | 4 x 1,0         | 4 x 1,0         | 4 x 2,5         |
| Sound power                                     | H             | dB        | 59              | 61              | 63              | 68              |
| Sound pressure                                  | H             | dB(A)     | 47              | 48              | 51              | 54              |
| Running current cooling/heating                 | Max           | A         | 8,0             | 8,0             | 10,68           | 13,1            |
| Starting current cooling/heating                | Max           | A         | 2,0             | 2,0             | 2,0             | 2,0             |
| Net dimensions                                  | WxDxH         | mm        | 800x280x553     | 800x280x553     | 820x305x643     | 890x340x705     |
| Packaging dimensions                            | WxDxH         | mm        | 902x375x614     | 902x375x614     | 940x390x697     | 1046x460x780    |
| Net/gross weight                                |               | kg        | 27,6/30,4       | 30/32,9         | 37,8/40,5       | 44/48           |
| Compressor type                                 |               |           | Rotary          | Rotary          | Rotary          | Twin rotary     |
| Installation data                               |               |           |                 |                 |                 |                 |
| Refrigerant                                     |               |           | R32             | R32             | R32             | R32             |
| Liquid pipe                                     | Ø             | mm (inch) | 6,35 (1/4)      | 6,35 (1/4)      | 6,35 (1/4)      | 9,52 (3/8)      |
| Gas pipe                                        | Ø             | mm (inch) | 9,52 (3/8)      | 9,52 (3/8)      | 12,70 (1/2)     | 15,88 (1/2)     |
| Standard pipe length without refrigerant charge |               | m         | 7               | 7               | 7               | 10              |
| Maximum pipe length                             |               | m         | 20              | 20              | 25              | 50              |
| Maximum IU - OU elevation                       |               | m         | 10              | 10              | 15              | 30              |
| Refrigerant charge in the factory               |               | kg        | 0,63            | 0,78            | 1,10            | 1,23            |
| Refrigerant charge in the factory               |               | TCO2eq    | 0,43            | 0,53            | 0,74            | 0,83            |
| Additional ref. charge over std length          |               | g/m       | 20              | 20              | 20              | 45              |
| Operating limits - COOLING (in/out)             | min-max       | °C        | -20-43          |                 |                 | -20-46          |
| Operating limits - HEATING (in/out)             | min-max       | °C        | -20-24          |                 |                 | -20-24          |

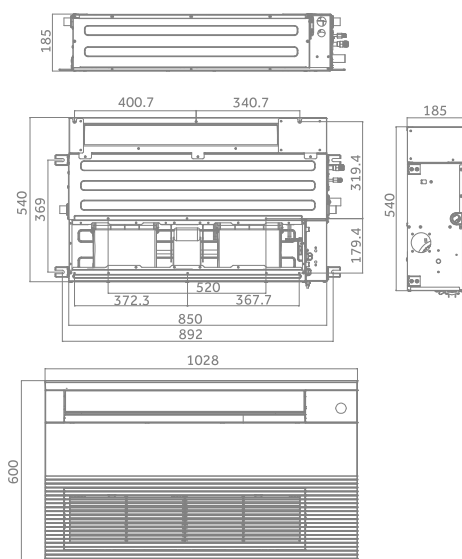
# CASSETTES

## TECHNICAL

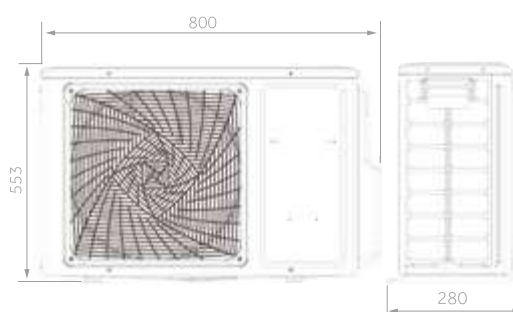
## ILLUSTRATIONS

### 1 WAY CASSETTE

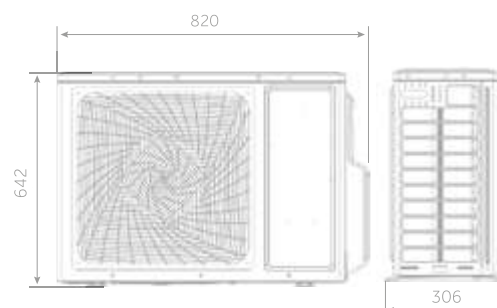
AB25 / AB35



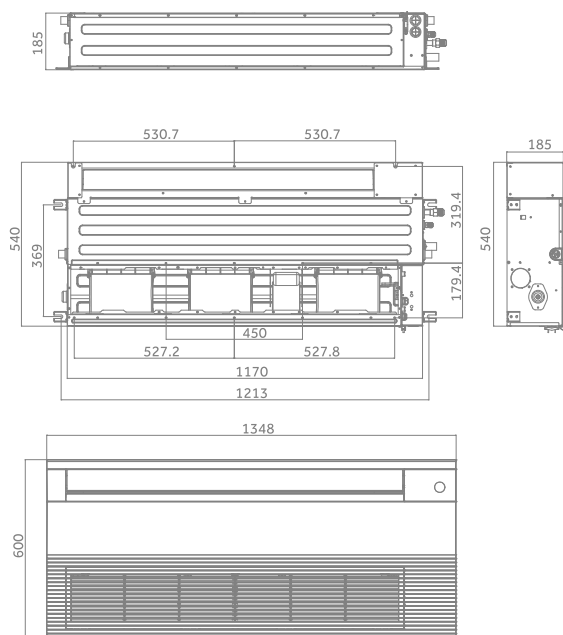
1U25 / 1U35



1U50



AB50 / AB71



1U71

