

# 5 GENERAL TECHNICAL SPECIFICATIONS

Data Book  
s-AIRME-G07\_3000\_20000\_202305\_EN

| s-AIRME / AR / C                      |     |       |                                                           |                |                |                |                   |                |                |
|---------------------------------------|-----|-------|-----------------------------------------------------------|----------------|----------------|----------------|-------------------|----------------|----------------|
| SIZE                                  |     |       | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          | 20000          |
| Cooling (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |                |
| Cooling capacity                      | (1) | kW    | 10,40                                                     | 20,10          | 25,10          | 40,70          | 45,10             | 50,20          | 75,10          |
| Sensible capacity                     | (1) | kW    | 8,39                                                      | 15,30          | 21,60          | 30,30          | 36,80             | 42,50          | 61,70          |
| Total power consumption               | (1) | kW    | 3,79                                                      | 6,88           | 6,48           | 12,10          | 12,50             | 13,50          | 21,00          |
| EER                                   | (1) | -     | 2,75                                                      | 2,93           | 3,87           | 3,36           | 3,61              | 3,72           | 3,58           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |                |
| Cooling capacity                      | (1) | kW    | 10,00                                                     | 20,10          | 25,00          | 40,70          | 45,00             | 50,00          | 75,20          |
| Sensible capacity                     | (1) | kW    | 8,76                                                      | 15,10          | 18,10          | 30,40          | 32,70             | 35,50          | 55,80          |
| Total power consumption               | (1) | kW    | 3,72                                                      | 6,73           | 6,47           | 11,90          | 12,50             | 13,30          | 18,90          |
| EER                                   | (1) | -     | 2,70                                                      | 2,98           | 3,86           | 3,42           | 3,62              | 3,77           | 3,97           |
| Heating (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |                |
| Heating capacity                      | (2) | kW    | 11,30                                                     | 22,50          | 27,10          | 44,90          | 49,40             | 54,20          | 81,10          |
| Total power consumption               | (2) | kW    | 3,77                                                      | 7,07           | 6,43           | 11,80          | 12,00             | 13,10          | 18,40          |
| COP                                   | (2) | -     | 2,99                                                      | 3,18           | 4,21           | 3,81           | 4,11              | 4,13           | 4,40           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |                |
| Heating capacity                      | (2) | kW    | 11,20                                                     | 22,40          | 26,90          | 44,80          | 49,40             | 53,80          | 81,00          |
| Total power consumption               | (2) | kW    | 3,74                                                      | 6,48           | 6,07           | 11,50          | 11,60             | 12,20          | 17,50          |
| COP                                   | (2) | -     | 3,00                                                      | 3,46           | 4,42           | 3,89           | 4,27              | 4,40           | 4,62           |
| Supply fans                           |     |       |                                                           |                |                |                |                   |                |                |
| Type                                  |     |       | Radial fan (plug fan) - EC motor with built-in controller |                |                |                |                   |                |                |
| Number                                |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 2              |
| Supply air flow-rate                  |     | m³/h  | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          | 20000          |
| Available static pressure             | (3) | Pa    | 300                                                       | 300            | 300            | 300            | 300               | 300            | 300            |
| G02 external unit                     |     |       |                                                           |                |                |                |                   |                |                |
| Size                                  |     |       | ZRP 100                                                   | ZRP 200        | ZRP 250        | ZRP 200        | ZRP 200 + ZRP 250 | ZRP 250        | ZRP 250        |
| Code                                  |     |       | Mr. Slim R410A                                            | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A    | Mr. Slim R410A | Mr. Slim R410A |
| Number                                |     | no.   | 1                                                         | 1              | 1              | 2              | 2                 | 2              | 3              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 1              |
| G07 external unit                     |     |       |                                                           |                |                |                |                   |                |                |
| Size                                  |     |       | ZM 100                                                    | ZM 200         | ZM 250         | ZM 200         | ZM 200 + ZM 250   | ZM 250         | ZM 250         |
| Code                                  |     |       | Mr. Slim R32                                              | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32      | Mr. Slim R32   | Mr. Slim R32   |
| Number                                |     | no.   | 1                                                         | 1              | 1              | 2              | 2                 | 2              | 3              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 1              |
| Sound power (internal unit)           |     |       |                                                           |                |                |                |                   |                |                |
| Supply fans                           | (4) | dB(A) | 78                                                        | 87             | 73             | 75             | 78                | 81             | 79             |
| Weight and dimensions (internal unit) |     |       |                                                           |                |                |                |                   |                |                |
| Length                                | (5) | mm    | 2435                                                      | 2435           | 2435           | 2535           | 2535              | 2535           | 2535           |
| Width                                 | (5) | mm    | 1025                                                      | 1425           | 1525           | 1825           | 2025              | 2225           | 2525           |
| Height                                | (5) | mm    | 965                                                       | 965            | 1180           | 1235           | 1320              | 1430           | 1510           |
| Standard unit operating weight        | (5) | kg    | 310                                                       | 410            | 460            | 490            | 650               | 730            | 840            |

## Note:

- (1) Cooling: Outside 35°C 50% RH / Inside 27°C 50% RH / Mix 0%.
- (2) Heating: Outside 7°C 85% RH / Inside 20°C 50% RH / Mix 0%.
- (3) Available static pressure for standard configuration (pressure drops resulting from any available accessories not included).
- (4) Sound power based on measurements performed in accordance with ISO 3744. For complete sound data, consult Elca World.
- (5) The weight and dimensions given refer to the standard unit without accessories. Any additional modules are not considered.

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| s-AIRME / AR / I                      |     |       |                                                           |                |                |                |                   |                |                |
|---------------------------------------|-----|-------|-----------------------------------------------------------|----------------|----------------|----------------|-------------------|----------------|----------------|
| SIZE                                  |     |       | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          | 20000          |
| Cooling (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |                |
| Cooling capacity                      | (1) | kW    | 14,10                                                     | 25,10          | 40,40          | 50,10          | 60,40             | 75,30          | 100,00         |
| Sensible capacity                     | (1) | kW    | 10,50                                                     | 18,60          | 29,90          | 39,00          | 45,90             | 55,10          | 78,20          |
| Total power consumption               | (1) | kW    | 3,73                                                      | 6,93           | 10,70          | 12,30          | 17,80             | 20,10          | 26,30          |
| EER                                   | (1) | -     | 3,79                                                      | 3,63           | 3,79           | 4,07           | 3,40              | 3,75           | 3,80           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |                |
| Cooling capacity                      | (1) | kW    | 14,00                                                     | 25,10          | 40,30          | 50,20          | 60,10             | 75,10          | 100,00         |
| Sensible capacity                     | (1) | kW    | 9,66                                                      | 16,00          | 27,30          | 33,60          | 43,50             | 48,60          | 66,50          |
| Total power consumption               | (1) | kW    | 3,60                                                      | 6,75           | 10,60          | 12,00          | 17,60             | 18,40          | 24,20          |
| EER                                   | (1) | -     | 3,90                                                      | 3,72           | 3,79           | 4,16           | 3,41              | 4,08           | 4,13           |
| Heating (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |                |
| Heating capacity                      | (2) | kW    | 16,00                                                     | 27,00          | 44,80          | 54,40          | 67,20             | 81,20          | 108,00         |
| Total power consumption               | (2) | kW    | 3,93                                                      | 6,90           | 11,30          | 12,10          | 17,20             | 23,50          | 25,60          |
| COP                                   | (2) | -     | 4,08                                                      | 3,92           | 3,98           | 4,49           | 3,92              | 3,46           | 4,23           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |                |
| Heating capacity                      | (2) | kW    | 16,10                                                     | 27,00          | 44,80          | 54,00          | 67,20             | 80,80          | 108,00         |
| Total power consumption               | (2) | kW    | 3,66                                                      | 6,18           | 11,20          | 11,50          | 16,40             | 21,80          | 25,30          |
| COP                                   | (2) | -     | 4,41                                                      | 4,38           | 4,02           | 4,69           | 4,09              | 3,71           | 4,27           |
| Supply fans                           |     |       |                                                           |                |                |                |                   |                |                |
| Type                                  |     |       | Radial fan (plug fan) - EC motor with built-in controller |                |                |                |                   |                |                |
| Number                                |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 2              |
| Supply air flow-rate                  |     | m³/h  | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          | 20000          |
| Available static pressure             | (3) | Pa    | 300                                                       | 300            | 300            | 300            | 300               | 300            | 300            |
| G02 external unit                     |     |       |                                                           |                |                |                |                   |                |                |
| Size                                  |     |       | ZRP 100                                                   | ZRP 200        | ZRP 250        | ZRP 200        | ZRP 200 + ZRP 250 | ZRP 250        | ZRP 250        |
| Code                                  |     |       | Mr. Slim R410A                                            | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A    | Mr. Slim R410A | Mr. Slim R410A |
| Number                                |     | no.   | 1                                                         | 1              | 2              | 2              | 3                 | 3              | 4              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 1              |
| G07 external unit                     |     |       |                                                           |                |                |                |                   |                |                |
| Size                                  |     |       | ZM 100                                                    | ZM 200         | ZM 250         | ZM 200         | ZM 200 + ZM 250   | ZM 250         | ZM 250         |
| Code                                  |     |       | Mr. Slim R32                                              | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32      | Mr. Slim R32   | Mr. Slim R32   |
| Number                                |     | no.   | 1                                                         | 1              | 2              | 2              | 3                 | 3              | 4              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 1              |
| Sound power (internal unit)           |     |       |                                                           |                |                |                |                   |                |                |
| Supply fans                           | (4) | dB(A) | 78                                                        | 88             | 73             | 76             | 78                | 81             | 79             |
| Weight and dimensions (internal unit) |     |       |                                                           |                |                |                |                   |                |                |
| Length                                | (5) | mm    | 2435                                                      | 2435           | 2435           | 2535           | 2535              | 2535           | 2535           |
| Width                                 | (5) | mm    | 1025                                                      | 1425           | 1525           | 1825           | 2025              | 2225           | 2525           |
| Height                                | (5) | mm    | 965                                                       | 965            | 1180           | 1235           | 1320              | 1430           | 1510           |
| Standard unit operating weight        | (5) | kg    | 315                                                       | 420            | 470            | 500            | 660               | 760            | 870            |

## Note:

- (1) Cooling: Outside 35°C 50% RH / Inside 27°C 50% RH / Mix 0%.
- (2) Heating: Outside 7°C 85% RH / Inside 20°C 50% RH / Mix 0%.
- (3) Available static pressure for standard configuration (pressure drops resulting from any available accessories not included).
- (4) Sound power based on measurements performed in accordance with ISO 3744. For complete sound data, consult Elca World.
- (5) The weight and dimensions given refer to the standard unit without accessories. Any additional modules are not considered.

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| s-AIRME / AR / B                      |     |       |                                                           |                |                |                |                   |                |                |
|---------------------------------------|-----|-------|-----------------------------------------------------------|----------------|----------------|----------------|-------------------|----------------|----------------|
| SIZE                                  |     |       | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          | 20000          |
| Cooling (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |                |
| Cooling capacity                      | (1) | kW    | 20,10                                                     | 34,00          | 50,30          | 60,30          | 80,00             | 100,00         | 125,00         |
| Sensible capacity                     | (1) | kW    | 13,80                                                     | 23,20          | 34,50          | 45,00          | 56,40             | 68,70          | 88,70          |
| Total power consumption               | (1) | kW    | 6,67                                                      | 10,80          | 11,80          | 18,20          | 23,20             | 31,70          | 39,20          |
| EER                                   | (1) | -     | 3,01                                                      | 3,16           | 4,27           | 3,32           | 3,45              | 3,15           | 3,19           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |                |
| Cooling capacity                      | (1) | kW    | 20,10                                                     | 34,00          | 50,10          | 60,10          | 80,10             | 100,00         | 125,00         |
| Sensible capacity                     | (1) | kW    | 14,10                                                     | 21,60          | 29,40          | 40,50          | 53,70             | 58,60          | 75,20          |
| Total power consumption               | (1) | kW    | 6,64                                                      | 9,72           | 11,60          | 17,10          | 22,70             | 28,30          | 35,60          |
| EER                                   | (1) | -     | 3,03                                                      | 3,50           | 4,30           | 3,51           | 3,52              | 3,54           | 3,51           |
| Heating (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |                |
| Heating capacity                      | (2) | kW    | 22,4                                                      | 38,4           | 54,2           | 67,2           | 89,6              | 108            | 135            |
| Total power consumption               | (2) | kW    | 7,6                                                       | 10,1           | 13             | 16,8           | 23,9              | 26,4           | 33,2           |
| COP                                   | (2) | -     | 2,95                                                      | 3,8            | 4,18           | 4              | 3,76              | 4,1            | 4,08           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |                |
| Heating capacity                      | (2) | kW    | 22,40                                                     | 38,40          | 54,10          | 67,20          | 89,60             | 108,00         | 135,00         |
| Total power consumption               | (2) | kW    | 7,48                                                      | 9,75           | 12,40          | 16,40          | 22,30             | 26,10          | 32,20          |
| COP                                   | (2) | -     | 3,00                                                      | 3,94           | 4,37           | 4,10           | 4,03              | 4,14           | 4,19           |
| Supply fans                           |     |       |                                                           |                |                |                |                   |                |                |
| Type                                  |     |       | Radial fan (plug fan) - EC motor with built-in controller |                |                |                |                   |                |                |
| Number                                |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 2              |
| Supply air flow-rate                  |     | m³/h  | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          | 20000          |
| Available static pressure             | (3) | Pa    | 300                                                       | 300            | 300            | 300            | 300               | 300            | 300            |
| G02 external unit                     |     |       |                                                           |                |                |                |                   |                |                |
| Size                                  |     |       | ZRP 100                                                   | ZRP 200        | ZRP 250        | ZRP 200        | ZRP 200 + ZRP 250 | ZRP 250        | ZRP 250        |
| Code                                  |     |       | Mr. Slim R410A                                            | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A    | Mr. Slim R410A | Mr. Slim R410A |
| Number                                |     | no.   | 2                                                         | 2              | 2              | 3              | 4                 | 4              | 5              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 1              |
| G07 external unit                     |     |       |                                                           |                |                |                |                   |                |                |
| Size                                  |     |       | ZM 100                                                    | ZM 200         | ZM 250         | ZM 200         | ZM 200 + ZM 250   | ZM 250         | ZM 250         |
| Code                                  |     |       | Mr. Slim R32                                              | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32      | Mr. Slim R32   | Mr. Slim R32   |
| Number                                |     | no.   | 2                                                         | 2              | 2              | 3              | 4                 | 4              | 5              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 1              |
| Sound power (internal unit)           |     |       |                                                           |                |                |                |                   |                |                |
| Supply fans                           | (4) | dB(A) | 79                                                        | 88             | 74             | 76             | 78                | 81             | 79             |
| Weight and dimensions (internal unit) |     |       |                                                           |                |                |                |                   |                |                |
| Length                                | (5) | mm    | 2435                                                      | 2435           | 2435           | 2535           | 2535              | 2535           | 2535           |
| Width                                 | (5) | mm    | 1025                                                      | 1425           | 1525           | 1825           | 2025              | 2225           | 2525           |
| Height                                | (5) | mm    | 965                                                       | 965            | 1180           | 1235           | 1320              | 1430           | 1510           |
| Standard unit operating weight        | (5) | kg    | 320                                                       | 430            | 480            | 510            | 670               | 790            | 890            |

## Note:

- (1) Cooling: Outside 35°C 50% RH / Inside 27°C 50% RH / Mix 0%.
- (2) Heating: Outside 7°C 85% RH / Inside 20°C 50% RH / Mix 0%.
- (3) Available static pressure for standard configuration (pressure drops resulting from any available accessories not included).
- (4) Sound power based on measurements performed in accordance with ISO 3744. For complete sound data, consult Elca World.
- (5) The weight and dimensions given refer to the standard unit without accessories. Any additional modules are not considered.

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Data Book  
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| s-AIRME / MF / C                      |     |       |                                                           |                |                |                |                   |                |                |
|---------------------------------------|-----|-------|-----------------------------------------------------------|----------------|----------------|----------------|-------------------|----------------|----------------|
| SIZE                                  |     |       | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          | 20000          |
| Cooling (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |                |
| Cooling capacity                      | (1) | kW    | 12,30                                                     | 24,30          | 29,50          | 49,00          | 53,30             | 59,00          | 88,10          |
| Sensible capacity                     | (1) | kW    | 9,44                                                      | 17,30          | 24,50          | 34,30          | 41,60             | 48,40          | 70,10          |
| Total power consumption               | (1) | kW    | 3,92                                                      | 7,07           | 6,70           | 12,50          | 13,00             | 14,00          | 21,70          |
| EER                                   | (1) | -     | 3,15                                                      | 3,44           | 4,40           | 3,92           | 4,11              | 4,22           | 4,06           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |                |
| Cooling capacity                      | (1) | kW    | 12,10                                                     | 24,00          | 29,50          | 48,50          | 53,50             | 59,00          | 87,70          |
| Sensible capacity                     | (1) | kW    | 9,93                                                      | 17,20          | 20,90          | 34,60          | 37,50             | 41,10          | 64,60          |
| Total power consumption               | (1) | kW    | 3,77                                                      | 6,76           | 6,49           | 12,00          | 12,50             | 13,30          | 19,00          |
| EER                                   | (1) | -     | 3,21                                                      | 3,55           | 4,54           | 4,05           | 4,27              | 4,43           | 4,62           |
| Heating (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |                |
| Heating capacity                      | (2) | kW    | 12,10                                                     | 23,80          | 28,60          | 47,50          | 51,90             | 57,20          | 85,60          |
| Total power consumption               | (2) | kW    | 3,25                                                      | 6,10           | 5,42           | 10,00          | 10,20             | 11,10          | 15,50          |
| COP                                   | (2) | -     | 3,72                                                      | 3,90           | 5,28           | 4,75           | 5,08              | 5,15           | 5,53           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |                |
| Heating capacity                      | (2) | kW    | 11,50                                                     | 23,00          | 27,60          | 45,90          | 50,60             | 55,30          | 83,30          |
| Total power consumption               | (2) | kW    | 3,09                                                      | 5,37           | 4,92           | 9,28           | 9,40              | 9,95           | 14,10          |
| COP                                   | (2) | -     | 3,71                                                      | 4,27           | 5,61           | 4,94           | 5,38              | 5,56           | 5,92           |
| Supply fans                           |     |       |                                                           |                |                |                |                   |                |                |
| Type                                  |     |       | Radial fan (plug fan) - EC motor with built-in controller |                |                |                |                   |                |                |
| Number                                |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 2              |
| Supply air flow-rate                  |     | m³/h  | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          | 20000          |
| Available static pressure             | (3) | Pa    | 300                                                       | 300            | 300            | 300            | 300               | 300            | 300            |
| G02 external unit                     |     |       |                                                           |                |                |                |                   |                |                |
| Size                                  |     |       | ZRP 100                                                   | ZRP 200        | ZRP 250        | ZRP 200        | ZRP 200 + ZRP 250 | ZRP 250        | ZRP 250        |
| Code                                  |     |       | Mr. Slim R410A                                            | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A    | Mr. Slim R410A | Mr. Slim R410A |
| Number                                |     | no.   | 1                                                         | 1              | 1              | 2              | 2                 | 2              | 3              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 1              |
| G07 external unit                     |     |       |                                                           |                |                |                |                   |                |                |
| Size                                  |     |       | ZM 100                                                    | ZM 200         | ZM 250         | ZM 200         | ZM 200 + ZM 250   | ZM 250         | ZM 250         |
| Code                                  |     |       | Mr. Slim R32                                              | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32      | Mr. Slim R32   | Mr. Slim R32   |
| Number                                |     | no.   | 1                                                         | 1              | 1              | 2              | 2                 | 2              | 3              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 1              |
| Sound power (internal unit)           |     |       |                                                           |                |                |                |                   |                |                |
| Supply fans                           | (4) | dB(A) | 78                                                        | 87             | 73             | 75             | 78                | 81             | 79             |
| Weight and dimensions (internal unit) |     |       |                                                           |                |                |                |                   |                |                |
| Length                                | (5) | mm    | 2510                                                      | 2510           | 2510           | 2610           | 2610              | 2610           | 2610           |
| Width                                 | (5) | mm    | 1025                                                      | 1425           | 1525           | 1825           | 2025              | 2225           | 2525           |
| Height                                | (5) | mm    | 965                                                       | 965            | 1180           | 1235           | 1320              | 1430           | 1510           |
| Standard unit operating weight        | (5) | kg    | 340                                                       | 440            | 500            | 530            | 700               | 790            | 900            |

## Note:

- (1) Cooling: Outside 35°C 50% RH / Inside 27°C 50% RH / Mix 30%.
- (2) Heating: Outside 7°C 85% RH / Inside 20°C 50% RH / Mix 30%.
- (3) Available static pressure for standard configuration (pressure drops resulting from any available accessories not included).
- (4) Sound power based on measurements performed in accordance with ISO 3744. For complete sound data, consult Elca World.
- (5) The weight and dimensions given refer to the standard unit without accessories. Any additional modules are not considered.

# GENERAL TECHNICAL SPECIFICATIONS

Data Book  
s-AIRME-G07\_3000\_20000\_202305\_EN

| s-AIRME / MF / I                      |     |       |                                                           |                |                |                |                   |                |                |
|---------------------------------------|-----|-------|-----------------------------------------------------------|----------------|----------------|----------------|-------------------|----------------|----------------|
| SIZE                                  |     |       | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          | 20000          |
| Cooling (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |                |
| Cooling capacity                      | (1) | kW    | 16,60                                                     | 30,00          | 49,00          | 59,40          | 72,90             | 89,90          | 119,00         |
| Sensible capacity                     | (1) | kW    | 11,80                                                     | 21,00          | 33,60          | 44,00          | 51,80             | 62,20          | 88,40          |
| Total power consumption               | (1) | kW    | 3,88                                                      | 7,18           | 11,00          | 12,80          | 18,30             | 20,90          | 27,40          |
| EER                                   | (1) | -     | 4,29                                                      | 4,18           | 4,44           | 4,64           | 3,98              | 4,30           | 4,33           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |                |
| Cooling capacity                      | (1) | kW    | 16,80                                                     | 29,90          | 48,90          | 59,30          | 72,40             | 89,00          | 118,00         |
| Sensible capacity                     | (1) | kW    | 11,00                                                     | 18,30          | 31,00          | 38,50          | 49,40             | 55,50          | 76,10          |
| Total power consumption               | (1) | kW    | 3,62                                                      | 6,77           | 10,70          | 12,10          | 17,70             | 18,40          | 24,30          |
| EER                                   | (1) | -     | 4,64                                                      | 4,42           | 4,57           | 4,91           | 4,09              | 4,83           | 4,87           |
| Heating (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |                |
| Heating capacity                      | (2) | kW    | 17,20                                                     | 28,50          | 47,40          | 57,50          | 71,20             | 85,60          | 114,00         |
| Total power consumption               | (2) | kW    | 3,35                                                      | 5,87           | 9,53           | 10,00          | 14,60             | 19,40          | 21,20          |
| COP                                   | (2) | -     | 5,12                                                      | 4,86           | 4,98           | 5,73           | 4,89              | 4,41           | 5,39           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |                |
| Heating capacity                      | (2) | kW    | 16,50                                                     | 27,70          | 45,90          | 55,50          | 68,90             | 82,90          | 111,00         |
| Total power consumption               | (2) | kW    | 2,99                                                      | 5,10           | 8,93           | 9,11           | 13,10             | 17,30          | 19,90          |
| COP                                   | (2) | -     | 5,53                                                      | 5,44           | 5,13           | 6,09           | 5,24              | 4,8            | 5,56           |
| Supply fans                           |     |       |                                                           |                |                |                |                   |                |                |
| Type                                  |     |       | Radial fan (plug fan) - EC motor with built-in controller |                |                |                |                   |                |                |
| Number                                |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 2              |
| Supply air flow-rate                  |     | m³/h  | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          | 20000          |
| Available static pressure             | (3) | Pa    | 300                                                       | 300            | 300            | 300            | 300               | 300            | 300            |
| G02 external unit                     |     |       |                                                           |                |                |                |                   |                |                |
| Size                                  |     |       | ZRP 100                                                   | ZRP 200        | ZRP 250        | ZRP 200        | ZRP 200 + ZRP 250 | ZRP 250        | ZRP 250        |
| Code                                  |     |       | Mr. Slim R410A                                            | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A    | Mr. Slim R410A | Mr. Slim R410A |
| Number                                |     | no.   | 1                                                         | 1              | 2              | 2              | 3                 | 3              | 4              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 1              |
| G07 external unit                     |     |       |                                                           |                |                |                |                   |                |                |
| Size                                  |     |       | ZM 100                                                    | ZM 200         | ZM 250         | ZM 200         | ZM 200 + ZM 250   | ZM 250         | ZM 250         |
| Code                                  |     |       | Mr. Slim R32                                              | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32      | Mr. Slim R32   | Mr. Slim R32   |
| Number                                |     | no.   | 1                                                         | 1              | 2              | 2              | 3                 | 3              | 4              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 1              |
| Sound power (internal unit)           |     |       |                                                           |                |                |                |                   |                |                |
| Supply fans                           | (4) | dB(A) | 78                                                        | 88             | 73             | 76             | 78                | 81             | 79             |
| Weight and dimensions (internal unit) |     |       |                                                           |                |                |                |                   |                |                |
| Length                                | (5) | mm    | 2510                                                      | 2510           | 2510           | 2610           | 2610              | 2610           | 2610           |
| Width                                 | (5) | mm    | 1025                                                      | 1425           | 1525           | 1825           | 2025              | 2225           | 2525           |
| Height                                | (5) | mm    | 965                                                       | 965            | 1180           | 1235           | 1320              | 1430           | 1510           |
| Standard unit operating weight        | (5) | kg    | 345                                                       | 450            | 510            | 540            | 710               | 820            | 930            |

## Note:

- (1) Cooling: Outside 35°C 50% RH / Inside 27°C 50% RH / Mix 30%.
- (2) Heating: Outside 7°C 85% RH / Inside 20°C 50% RH / Mix 30%.
- (3) Available static pressure for standard configuration (pressure drops resulting from any available accessories not included).
- (4) Sound power based on measurements performed in accordance with ISO 3744. For complete sound data, consult Elca World.
- (5) The weight and dimensions given refer to the standard unit without accessories. Any additional modules are not considered.

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| s-AIRME / MF / B                      |     |       |                                                           |                |                |                |                   |                |                |
|---------------------------------------|-----|-------|-----------------------------------------------------------|----------------|----------------|----------------|-------------------|----------------|----------------|
| SIZE                                  |     |       | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          | 20000          |
| Cooling (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |                |
| Cooling capacity                      | (1) | kW    | 24,10                                                     | 41,20          | 60,60          | 73,10          | 97,40             | 121,00         | 150,00         |
| Sensible capacity                     | (1) | kW    | 15,20                                                     | 25,80          | 38,50          | 48,80          | 62,90             | 76,70          | 99,30          |
| Total power consumption               | (1) | kW    | 6,93                                                      | 11,20          | 12,30          | 18,80          | 24,00             | 33,20          | 41,00          |
| EER                                   | (1) | -     | 3,48                                                      | 3,68           | 4,93           | 3,89           | 4,05              | 3,63           | 3,67           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |                |
| Cooling capacity                      | (1) | kW    | 24,60                                                     | 41,40          | 60,30          | 73,10          | 97,50             | 120,00         | 150,00         |
| Sensible capacity                     | (1) | kW    | 15,50                                                     | 24,30          | 33,40          | 45,80          | 60,60             | 66,60          | 85,60          |
| Total power consumption               | (1) | kW    | 6,69                                                      | 9,76           | 11,70          | 17,20          | 22,90             | 28,40          | 35,80          |
| EER                                   | (1) | -     | 3,68                                                      | 4,24           | 5,16           | 4,25           | 4,26              | 4,24           | 4,20           |
| Heating (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |                |
| Heating capacity                      | (2) | kW    | 23,90                                                     | 40,70          | 57,10          | 71,20          | 94,80             | 114,00         | 143,00         |
| Total power consumption               | (2) | kW    | 6,33                                                      | 8,59           | 10,70          | 14,20          | 20,10             | 21,90          | 27,40          |
| COP                                   | (2) | -     | 3,78                                                      | 4,74           | 5,33           | 5,02           | 4,73              | 5,21           | 5,22           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |                |
| Heating capacity                      | (2) | kW    | 22,80                                                     | 39,30          | 55,40          | 68,80          | 91,70             | 111,00         | 139,00         |
| Total power consumption               | (2) | kW    | 6,10                                                      | 7,97           | 9,76           | 13,10          | 17,80             | 20,60          | 25,30          |
| COP                                   | (2) | -     | 3,75                                                      | 4,93           | 5,68           | 5,27           | 5,16              | 5,37           | 5,48           |
| Supply fans                           |     |       |                                                           |                |                |                |                   |                |                |
| Type                                  |     |       | Radial fan (plug fan) - EC motor with built-in controller |                |                |                |                   |                |                |
| Number                                |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 2              |
| Supply air flow-rate                  |     | m³/h  | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          | 20000          |
| Available static pressure             | (3) | Pa    | 300                                                       | 300            | 300            | 300            | 300               | 300            | 300            |
| G02 external unit                     |     |       |                                                           |                |                |                |                   |                |                |
| Size                                  |     |       | ZRP 100                                                   | ZRP 200        | ZRP 250        | ZRP 200        | ZRP 200 + ZRP 250 | ZRP 250        | ZRP 250        |
| Code                                  |     |       | Mr. Slim R410A                                            | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A    | Mr. Slim R410A | Mr. Slim R410A |
| Number                                |     | no.   | 2                                                         | 2              | 2              | 3              | 4                 | 4              | 5              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 1              |
| G07 external unit                     |     |       |                                                           |                |                |                |                   |                |                |
| Size                                  |     |       | ZM 100                                                    | ZM 200         | ZM 250         | ZM 200         | ZM 200 + ZM 250   | ZM 250         | ZM 250         |
| Code                                  |     |       | Mr. Slim R32                                              | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32      | Mr. Slim R32   | Mr. Slim R32   |
| Number                                |     | no.   | 2                                                         | 2              | 2              | 3              | 4                 | 4              | 5              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              | 1              |
| Sound power (internal unit)           |     |       |                                                           |                |                |                |                   |                |                |
| Supply fans                           | (4) | dB(A) | 79                                                        | 88             | 74             | 76             | 78                | 81             | 79             |
| Weight and dimensions (internal unit) |     |       |                                                           |                |                |                |                   |                |                |
| Length                                | (5) | mm    | 2510                                                      | 2510           | 2510           | 2610           | 2610              | 2610           | 2610           |
| Width                                 | (5) | mm    | 1025                                                      | 1425           | 1525           | 1825           | 2025              | 2225           | 2525           |
| Height                                | (5) | mm    | 965                                                       | 965            | 1180           | 1235           | 1320              | 1430           | 1510           |
| Standard unit operating weight        | (5) | kg    | 350                                                       | 460            | 520            | 560            | 720               | 840            | 950            |

## Note:

- (1) Cooling: Outside 35°C 50% RH / Inside 27°C 50% RH / Mix 30%.
- (2) Heating: Outside 7°C 85% RH / Inside 20°C 50% RH / Mix 30%.
- (3) Available static pressure for standard configuration (pressure drops resulting from any available accessories not included).
- (4) Sound power based on measurements performed in accordance with ISO 3744. For complete sound data, consult Elca World.
- (5) The weight and dimensions given refer to the standard unit without accessories. Any additional modules are not considered.

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| s-AIRME / HR-P / C                    |     |       |                                                           |                |                |                |                   |                |
|---------------------------------------|-----|-------|-----------------------------------------------------------|----------------|----------------|----------------|-------------------|----------------|
| SIZE                                  |     |       | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          |
| Cooling (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |
| Cooling capacity                      | (1) | kW    | 25,90                                                     | 42,10          | 59,80          | 84,60          | 105,00            | 119,00         |
| Sensible capacity                     | (1) | kW    | 16,40                                                     | 27,30          | 38,70          | 52,80          | 67,20             | 74,20          |
| Total power consumption               | (1) | kW    | 6,61                                                      | 11,70          | 13,50          | 19,30          | 25,20             | 26,70          |
| EER                                   | (1) | -     | 3,92                                                      | 3,61           | 4,44           | 4,38           | 4,16              | 4,46           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |
| Cooling capacity                      | (1) | kW    | 25,90                                                     | 42,00          | 59,70          | 84,90          | 105,00            | 119,00         |
| Sensible capacity                     | (1) | kW    | 15,80                                                     | 26,30          | 35,90          | 50,20          | 64,70             | 71,60          |
| Total power consumption               | (1) | kW    | 6,62                                                      | 11,60          | 13,60          | 19,20          | 25,70             | 26,30          |
| EER                                   | (1) | -     | 3,90                                                      | 3,61           | 4,39           | 4,42           | 4,07              | 4,53           |
| Heating (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |
| Heating capacity                      | (2) | kW    | 32,00                                                     | 52,60          | 74,00          | 104,00         | 130,00            | 150,00         |
| Total power consumption               | (2) | kW    | 6,71                                                      | 12,10          | 13,70          | 19,70          | 26,70             | 26,60          |
| COP                                   | (2) | -     | 4,77                                                      | 4,36           | 5,39           | 5,27           | 4,86              | 5,65           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |
| Heating capacity                      | (2) | kW    | 31,90                                                     | 52,40          | 73,80          | 104,00         | 130,00            | 150,00         |
| Total power consumption               | (2) | kW    | 6,78                                                      | 11,90          | 13,00          | 19,10          | 26,40             | 25,70          |
| COP                                   | (2) | -     | 4,71                                                      | 4,39           | 5,68           | 5,46           | 4,91              | 5,85           |
| Supply fans                           |     |       |                                                           |                |                |                |                   |                |
| Type                                  |     |       | Radial fan (plug fan) - EC motor with built-in controller |                |                |                |                   |                |
| Number                                |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 2              |
| Supply air flow-rate                  |     | m³/h  | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          |
| Available static pressure             | (3) | Pa    | 300                                                       | 300            | 300            | 300            | 300               | 300            |
| Ventilatori ripresa                   |     |       |                                                           |                |                |                |                   |                |
| Type                                  |     |       | Radial fan (plug fan) - EC motor with built-in controller |                |                |                |                   |                |
| Number                                |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 2              |
| Supply air flow-rate                  |     | m³/h  | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          |
| Available static pressure             | (3) | Pa    | 300                                                       | 300            | 300            | 300            | 300               | 300            |
| G02 external unit                     |     |       |                                                           |                |                |                |                   |                |
| Size                                  |     |       | ZRP 100                                                   | ZRP 200        | ZRP 250        | ZRP 200        | ZRP 200 + ZRP 250 | ZRP 250        |
| Code                                  |     |       | Mr. Slim R410A                                            | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A    | Mr. Slim R410A |
| Number                                |     | no.   | 1                                                         | 2              | 2              | 3              | 4                 | 4              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              |
| G07 external unit                     |     |       |                                                           |                |                |                |                   |                |
| Size                                  |     |       | ZM 100                                                    | ZM 200         | ZM 250         | ZM 200         | ZM 200 + ZM 250   | ZM 250         |
| Code                                  |     |       | Mr. Slim R32                                              | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32      | Mr. Slim R32   |
| Number                                |     | no.   | 1                                                         | 2              | 2              | 3              | 4                 | 4              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              |
| Sound power (internal unit)           |     |       |                                                           |                |                |                |                   |                |
| Supply fans                           | (4) | dB(A) | 79                                                        | 88             | 74             | 76             | 78                | 81             |
| Ventilatori ripresa                   | (4) | dB(A) | 78                                                        | 88             | 73             | 75             | 78                | 75             |
| Weight and dimensions (internal unit) |     |       |                                                           |                |                |                |                   |                |
| Length                                | (5) | mm    | 2950                                                      | 2950           | 3200           | 3650           | 3775              | 3946           |
| Width                                 | (5) | mm    | 1385                                                      | 1785           | 1885           | 2185           | 2385              | 2585           |
| Height                                | (5) | mm    | 1675                                                      | 1675           | 2200           | 2280           | 2480              | 2480           |
| Standard unit operating weight        | (5) | kg    | 750                                                       | 950            | 1250           | 1600           | 1750              | 2100           |

## Note:

- (1) Cooling: Outside 35°C 50% RH / Inside 27°C 50% RH / Mix 100%.
- (2) Heating: Outside 7°C 85% RH / Inside 20°C 50% RH / Mix 100%.
- (3) Available static pressure for standard configuration (pressure drops resulting from any available accessories not included).
- (4) Sound power based on measurements performed in accordance with ISO 3744. For complete sound data, consult Elca World.
- (5) The weight and dimensions given refer to the standard unit without accessories. Any additional modules are not considered.

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| s-AIRME / HR-P / I                    |     |       |                                                           |                |                |                |                   |                |
|---------------------------------------|-----|-------|-----------------------------------------------------------|----------------|----------------|----------------|-------------------|----------------|
| SIZE                                  |     |       | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          |
| Cooling (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |
| Cooling capacity                      | (1) | kW    | 31,00                                                     | 49,60          | 74,70          | 99,50          | 124,00            | 148,00         |
| Sensible capacity                     | (1) | kW    | 17,10                                                     | 29,90          | 44,80          | 59,90          | 70,10             | 89,30          |
| Total power consumption               | (1) | kW    | 6,69                                                      | 14,00          | 18,30          | 25,00          | 25,90             | 37,50          |
| EER                                   | (1) | -     | 4,63                                                      | 3,55           | 4,08           | 3,98           | 4,78              | 3,96           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |
| Cooling capacity                      | (1) | kW    | 30,80                                                     | 49,50          | 75,00          | 99,50          | 124,00            | 148,00         |
| Sensible capacity                     | (1) | kW    | 16,10                                                     | 29,20          | 44,10          | 58,40          | 65,40             | 87,50          |
| Total power consumption               | (1) | kW    | 6,64                                                      | 13,80          | 18,70          | 24,40          | 25,80             | 36,50          |
| EER                                   | (1) | -     | 4,64                                                      | 3,59           | 4,01           | 4,08           | 4,81              | 4,07           |
| Heating (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |
| Heating capacity                      | (2) | kW    | 37,00                                                     | 60,60          | 91,60          | 122,00         | 149,00            | 186,00         |
| Total power consumption               | (2) | kW    | 6,31                                                      | 14,80          | 19,30          | 26,50          | 26,20             | 38,30          |
| COP                                   | (2) | -     | 5,86                                                      | 4,09           | 4,76           | 4,61           | 5,68              | 4,85           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |
| Heating capacity                      | (2) | kW    | 36,80                                                     | 60,70          | 91,90          | 122,00         | 148,00            | 186,00         |
| Total power consumption               | (2) | kW    | 6,17                                                      | 14,30          | 19,10          | 25,50          | 24,80             | 38,00          |
| COP                                   | (2) | -     | 5,97                                                      | 4,24           | 4,82           | 4,78           | 5,97              | 4,89           |
| Supply fans                           |     |       |                                                           |                |                |                |                   |                |
| Type                                  |     |       | Radial fan (plug fan) - EC motor with built-in controller |                |                |                |                   |                |
| Number                                |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 2              |
| Supply air flow-rate                  |     | m³/h  | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          |
| Available static pressure             | (3) | Pa    | 300                                                       | 300            | 300            | 300            | 300               | 300            |
| Ventilatori ripresa                   |     |       |                                                           |                |                |                |                   |                |
| Type                                  |     |       | Radial fan (plug fan) - EC motor with built-in controller |                |                |                |                   |                |
| Number                                |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 2              |
| Supply air flow-rate                  |     | m³/h  | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          |
| Available static pressure             | (3) | Pa    | 300                                                       | 300            | 300            | 300            | 300               | 300            |
| G02 external unit                     |     |       |                                                           |                |                |                |                   |                |
| Size                                  |     |       | ZRP 100                                                   | ZRP 200        | ZRP 250        | ZRP 200        | ZRP 200 + ZRP 250 | ZRP 250        |
| Code                                  |     |       | Mr. Slim R410A                                            | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A    | Mr. Slim R410A |
| Number                                |     | no.   | 1                                                         | 2              | 3              | 4              | 4                 | 6              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              |
| G07 external unit                     |     |       |                                                           |                |                |                |                   |                |
| Size                                  |     |       | ZM 100                                                    | ZM 200         | ZM 250         | ZM 200         | ZM 200 + ZM 250   | ZM 250         |
| Code                                  |     |       | Mr. Slim R32                                              | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32      | Mr. Slim R32   |
| Number                                |     | no.   | 1                                                         | 2              | 3              | 4              | 4                 | 6              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              |
| Sound power (internal unit)           |     |       |                                                           |                |                |                |                   |                |
| Supply fans                           | (4) | dB(A) | 81                                                        | 89             | 76             | 78             | 80                | 78             |
| Ventilatori ripresa                   | (4) | dB(A) | 78                                                        | 88             | 73             | 75             | 78                | 75             |
| Weight and dimensions (internal unit) |     |       |                                                           |                |                |                |                   |                |
| Length                                | (5) | mm    | 2950                                                      | 2950           | 3200           | 3650           | 3775              | 3946           |
| Width                                 | (5) | mm    | 1385                                                      | 1785           | 1885           | 2185           | 2385              | 2585           |
| Height                                | (5) | mm    | 1675                                                      | 1675           | 2200           | 2280           | 2480              | 2480           |
| Standard unit operating weight        | (5) | kg    | 755                                                       | 960            | 1260           | 1620           | 1770              | 2130           |

## Note:

- (1) Cooling: Outside 35°C 50% RH / Inside 27°C 50% RH / Mix 100%.
- (2) Heating: Outside 7°C 85% RH / Inside 20°C 50% RH / Mix 100%.
- (3) Available static pressure for standard configuration (pressure drops resulting from any available accessories not included).
- (4) Sound power based on measurements performed in accordance with ISO 3744. For complete sound data, consult Elca World.
- (5) The weight and dimensions given refer to the standard unit without accessories. Any additional modules are not considered.

# GENERAL TECHNICAL SPECIFICATIONS

Data Book  
s-AIRME-G07\_3000\_20000\_202305\_EN

| s-AIRME / HR-P / B                    |     |       |                                                           |                |                |                |                   |                |
|---------------------------------------|-----|-------|-----------------------------------------------------------|----------------|----------------|----------------|-------------------|----------------|
| SIZE                                  |     |       | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          |
| Cooling (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |
| Cooling capacity                      | (1) | kW    | 33,80                                                     | 59,40          | 84,20          | 119,00         | 148,00            | 178,00         |
| Sensible capacity                     | (1) | kW    | 19,20                                                     | 32,60          | 48,20          | 62,60          | 77,90             | 93,80          |
| Total power consumption               | (1) | kW    | 7,71                                                      | 13,90          | 19,10          | 25,10          | 31,50             | 38,40          |
| EER                                   | (1) | -     | 4,39                                                      | 4,26           | 4,42           | 4,75           | 4,71              | 4,64           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |
| Cooling capacity                      | (1) | kW    | 33,70                                                     | 60,10          | 84,50          | 119,00         | 149,00            | 178,00         |
| Sensible capacity                     | (1) | kW    | 18,20                                                     | 29,60          | 43,80          | 58,80          | 73,90             | 88,50          |
| Total power consumption               | (1) | kW    | 7,57                                                      | 13,90          | 18,70          | 24,40          | 31,00             | 36,70          |
| EER                                   | (1) | -     | 4,45                                                      | 4,33           | 4,51           | 4,89           | 4,80              | 4,85           |
| Heating (internal + external unit)    |     |       |                                                           |                |                |                |                   |                |
| G02 - R410A unit                      |     |       |                                                           |                |                |                |                   |                |
| Heating capacity                      | (2) | kW    | 41,70                                                     | 70,20          | 101,00         | 140,00         | 175,00            | 213,00         |
| Total power consumption               | (2) | kW    | 8,00                                                      | 14,10          | 18,90          | 24,30          | 31,20             | 36,80          |
| COP                                   | (2) | -     | 5,22                                                      | 4,99           | 5,35           | 5,76           | 5,61              | 5,78           |
| G07 - R32 unit                        |     |       |                                                           |                |                |                |                   |                |
| Heating capacity                      | (2) | kW    | 42,10                                                     | 70,00          | 101,00         | 141,00         | 175,00            | 214,00         |
| Total power consumption               | (2) | kW    | 7,75                                                      | 13,40          | 18,50          | 24,00          | 30,30             | 36,40          |
| COP                                   | (2) | -     | 5,44                                                      | 5,22           | 5,45           | 5,87           | 5,77              | 5,87           |
| Supply fans                           |     |       |                                                           |                |                |                |                   |                |
| Type                                  |     |       | Radial fan (plug fan) - EC motor with built-in controller |                |                |                |                   |                |
| Number                                |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 2              |
| Supply air flow-rate                  |     | m³/h  | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          |
| Available static pressure             | (3) | Pa    | 300                                                       | 300            | 300            | 300            | 300               | 300            |
| Ventilatori ripresa                   |     |       |                                                           |                |                |                |                   |                |
| Type                                  |     |       | Radial fan (plug fan) - EC motor with built-in controller |                |                |                |                   |                |
| Number                                |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 2              |
| Supply air flow-rate                  |     | m³/h  | 3000                                                      | 5000           | 7500           | 10000          | 12500             | 15000          |
| Available static pressure             | (3) | Pa    | 300                                                       | 300            | 300            | 300            | 300               | 300            |
| G02 external unit                     |     |       |                                                           |                |                |                |                   |                |
| Size                                  |     |       | ZRP 100                                                   | ZRP 200        | ZRP 250        | ZRP 200        | ZRP 200 + ZRP 250 | ZRP 250        |
| Code                                  |     |       | Mr. Slim R410A                                            | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A | Mr. Slim R410A    | Mr. Slim R410A |
| Number                                |     | no.   | 2                                                         | 2              | 3              | 4              | 5                 | 6              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              |
| G07 external unit                     |     |       |                                                           |                |                |                |                   |                |
| Size                                  |     |       | ZM 100                                                    | ZM 200         | ZM 250         | ZM 200         | ZM 200 + ZM 250   | ZM 250         |
| Code                                  |     |       | Mr. Slim R32                                              | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32   | Mr. Slim R32      | Mr. Slim R32   |
| Number                                |     | no.   | 2                                                         | 2              | 3              | 4              | 5                 | 6              |
| No. circuits per unit                 |     | no.   | 1                                                         | 1              | 1              | 1              | 1                 | 1              |
| Sound power (internal unit)           |     |       |                                                           |                |                |                |                   |                |
| Supply fans                           | (4) | dB(A) | 81                                                        | 89             | 76             | 78             | 80                | 78             |
| Ventilatori ripresa                   | (4) | dB(A) | 78                                                        | 88             | 73             | 75             | 78                | 75             |
| Weight and dimensions (internal unit) |     |       |                                                           |                |                |                |                   |                |
| Length                                | (5) | mm    | 2950                                                      | 2950           | 3200           | 3650           | 3775              | 3946           |
| Width                                 | (5) | mm    | 1385                                                      | 1785           | 1885           | 2185           | 2385              | 2585           |
| Height                                | (5) | mm    | 1675                                                      | 1675           | 2200           | 2280           | 2480              | 2480           |
| Standard unit operating weight        | (5) | kg    | 760                                                       | 970            | 1270           | 1630           | 1800              | 2150           |

## Note:

- (1) Cooling: Outside 35°C 50% RH / Inside 27°C 50% RH / Mix 100%.
- (2) Heating: Outside 7°C 85% RH / Inside 20°C 50% RH / Mix 100%.
- (3) Available static pressure for standard configuration (pressure drops resulting from any available accessories not included).
- (4) Sound power based on measurements performed in accordance with ISO 3744. For complete sound data, consult Elca World.
- (5) The weight and dimensions given refer to the standard unit without accessories. Any additional modules are not considered.

# PERFORMANCE IN ACCORDANCE WITH EN 1253/2014

Data Book  
s-AIRME-G07\_3000\_20000\_202305\_EN

| <b>s-AIRME-G02/G07 / AR C-I-B / MF C-I-B</b>         |        |                  |                  |                  |                  |                  |                  |                  |
|------------------------------------------------------|--------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| SIZE                                                 |        | 3000             | 5000             | 7500             | 10000            | 12500            | 15000            | 20000            |
| <b>NON-RESIDENTIAL application</b>                   |        |                  |                  |                  |                  |                  |                  |                  |
| Type of fan unit                                     | -      | mono-directional | mono-directional | mono-directional | mono-directional | mono-directional | mono-directional | mono-directional |
| Supply air flow-rate                                 | m³/h   | 3000             | 5000             | 7500             | 10000            | 12500            | 15000            | 20000            |
| Correction factor F                                  | -      | 0                | 0                | 0                | 0                | 0                | 0                | 0                |
| Internal SFP limit                                   | W/m³/s | 230              | 230              | 230              | 230              | 230              | 230              | 230              |
| Internal SFP                                         | W/m³/s | 76,6             | 87,5             | 80,7             | 80,8             | 81,3             | 86,5             | 90,6             |
| Supply fan static efficiency - Reg. (EU) N. 327/2011 | %      | 54,8             | 53,7             | 70,6             | 71,8             | 67,6             | 70,5             | 71,8             |

| <b>s-AIRME-G02/G07 / HR-P C-I-B</b>                  |        |                |                |                |                |                |                |
|------------------------------------------------------|--------|----------------|----------------|----------------|----------------|----------------|----------------|
| SIZE                                                 |        | 3000           | 5000           | 7500           | 10000          | 12500          | 15000          |
| <b>NON-RESIDENTIAL application</b>                   |        |                |                |                |                |                |                |
| Type of fan unit                                     | -      | bi-directional | bi-directional | bi-directional | bi-directional | bi-directional | bi-directional |
| Supply air flow-rate                                 | m³/h   | 3000           | 5000           | 7500           | 10000          | 12500          | 15000          |
| ErP efficiency of recuperator                        | %      | 73,2           | 73,2           | 74,6           | 73,8           | 73,5           | 73,3           |
| Efficiency bonus E                                   | -      | 0              | 0              | 60,0           | 30,0           | 30,0           | 30,0           |
| Correction factor F                                  | -      | 0              | 0              | 0              | 0              | 0              | 0              |
| Internal SFP limit                                   | W/m³/s | 1035           | 940            | 848            | 824            | 815            | 806            |
| Internal SFP                                         | W/m³/s | 775            | 936            | 812            | 736            | 810            | 691            |
| Supply fan static efficiency - Reg. (EU) N. 327/2011 | %      | 53,9           | 53,9           | 68,9           | 56,9           | 63,6           | 68,90          |
| Return fan static efficiency - Reg. (EU) N. 327/2011 | %      | 55,1           | 53,9           | 70,4           | 71,8           | 67,1           | 70,50          |