

## MultiSplit OUTDOOR UNITS



**1:2** 2U40S2SM1FA  
2U50S2SM1FA-3



**1:3** 3U55S2SR5FA  
3U70S2SR5FA



**1:4** 4U75S2SR5FA  
4U85S2SR5FA

| Outdoor UNIT                                    |  |                  | Model     |                         | 2U40S2SM1FA |                         | 2U50S2M1FA-3 |                     | 3U55S2SR5FA |                     | 3U70S2SR5FA |  |
|-------------------------------------------------|--|------------------|-----------|-------------------------|-------------|-------------------------|--------------|---------------------|-------------|---------------------|-------------|--|
| Performance data                                |  |                  |           |                         |             |                         |              |                     |             |                     |             |  |
| Output power - COOLING                          |  | nom<br>(min-max) | kW        | 4,00<br>(1,10-4,50)     |             | 4,60<br>(1,30-6,00)     |              | 5,50<br>(2,10-7,00) |             | 7,00<br>(2,40-7,60) |             |  |
| Output power - HEATING                          |  | nom<br>(min-max) | kW        | 4,40<br>(1,50-4,80)     |             | 5,20<br>(1,60-6,50)     |              | 6,80<br>(1,70-7,60) |             | 7,60<br>(2,90-8,50) |             |  |
| Absorbed power – COOLING                        |  | nom              | kW        | 0,89<br>(0,30-1,65)     |             | 1,07<br>(0,35-2,01)     |              | 1,35                |             | 1,84                |             |  |
| Absorbed power – HEATING                        |  | nom              | kW        | 0,98<br>(0,38-1,80)     |             | 1,21<br>(0,52-2,00)     |              | 1,66                |             | 1,85                |             |  |
| Energy class                                    |  | EER              | W/W       | 4,50                    |             | 4,3                     |              | 4,00                |             | 3,81                |             |  |
|                                                 |  | COP              | W/W       | 4,50                    |             | 4,3                     |              | 4,10                |             | 4,10                |             |  |
| COOLING Pdesign                                 |  | 35 °C            | kW        | 4,00                    |             | 4,60                    |              | 5,50                |             | 7,00                |             |  |
| HEATING Pdesign                                 |  | (-10 °C)         | kW        | 3,70                    |             | 3,80                    |              | 4,70                |             | 6,00                |             |  |
| Energy class                                    |  | SEER             |           | 8,50 (A+++)             |             | 8,50 (A+++)             |              | 8,50 (A+++)         |             | 7,50 (A++)          |             |  |
|                                                 |  | SCOP             |           | 4,60 (A++)              |             | 4,60 (A++)              |              | 4,00 (A+)           |             | 4,20 (A+)           |             |  |
| Annual Energy Consumption - COOLING             |  |                  | kWh/a     | 165                     |             | 189                     |              | 227                 |             | 332                 |             |  |
| Annual Energy Consumption - HEATING             |  |                  | kWh/a     | 1126                    |             | 1157                    |              | 1678                |             | 2012                |             |  |
| Outdoor unit                                    |  |                  |           |                         |             |                         |              |                     |             |                     |             |  |
| Power supply                                    |  |                  | Ph/V/Hz   | 1/220-240/50/60         |             |                         |              |                     |             |                     |             |  |
| Power cable                                     |  |                  | N x mm2   | 3 x 2,5                 |             | 3 x 2,5                 |              | 3 x 4,0             |             | 3 x 4,0             |             |  |
| Interconnection cable                           |  |                  | N x mm2   | 4 x 1,0                 |             | 4 x 1,0                 |              | 4 x 2,5             |             | 4 x 2,5             |             |  |
| Air volume                                      |  | H                | m3/h      | 2200                    |             | 2400                    |              | 3000                |             | 3000                |             |  |
| Sound power                                     |  | H                | dB        | 62                      |             | 63                      |              | 64                  |             | 66                  |             |  |
| Sound pressure                                  |  | H                | dB(A)     | 56                      |             | 56                      |              | 51                  |             | 53                  |             |  |
| Running current cooling/heating                 |  | Max              | A         | 7,4/8,2                 |             | 9,0/8,9                 |              | 10,8/9,5            |             | 11,9/9,7            |             |  |
| Starting current cooling/heating                |  | Max              | A         | 1,0/1,0                 |             | 1,0/1,0                 |              | 4,0/4,0             |             | 4,0/4,0             |             |  |
| Net dimensions                                  |  | WxDxH            | mm        | 800x280x550             |             | 800x280x550             |              | 890x340x700         |             | 890x340x700         |             |  |
| Packaging dimensions                            |  | WxDxH            | mm        | 908x405x625             |             | 908x405x625             |              | 1010x455x835        |             | 1010x455x835        |             |  |
| Net/gross weight                                |  |                  | kg        | 34,0/37,0               |             | 36,0/39,0               |              | 50,0/59,0           |             | 54,0/63,0           |             |  |
| Compressor type                                 |  |                  |           | Twin Rotary Inverter    |             |                         |              |                     |             |                     |             |  |
| Installation data                               |  |                  |           |                         |             |                         |              |                     |             |                     |             |  |
| Refrigerant                                     |  |                  |           | R32                     |             | R32                     |              | R32                 |             | R32                 |             |  |
| Liquid pipe                                     |  | Ø                | mm (inch) | 2×6,35 (3x1/4)          |             | 2×6,35 (3x1/4)          |              | 3×6,35 (3x1/4)      |             | 3×6,35 (3x1/4)      |             |  |
| Gas pipe                                        |  | Ø                | mm (inch) | 2×9,52 (3x3/8)          |             | 2×9,52 (3x3/8)          |              | 3×9,52 (3x3/8)      |             | 3×9,52 (3x3/8)      |             |  |
| Standard pipe length without refrigerant charge |  |                  | m         | 5                       |             | 5                       |              | 30                  |             | 30                  |             |  |
| Maximum pipe length                             |  |                  | m         | 20 (single) 30 (double) |             | 20 (single) 30 (double) |              | 50                  |             | 60                  |             |  |
| Maximum IU - OU elevation                       |  |                  | m         | 15                      |             | 15                      |              | 15                  |             | 15                  |             |  |
| Maximum IU - IU elevation                       |  |                  | m         | 7,5                     |             | 7,5                     |              | 7,5                 |             | 7,5                 |             |  |
| Refrigerant charge in the factory               |  |                  | kg        | 1,00                    |             | 1,10                    |              | 1,40                |             | 1,60                |             |  |
| Refrigerant charge in the factory               |  |                  | TCO2eq    | 0,68                    |             | 0,74                    |              | 0,95                |             | 1,08                |             |  |
| Additional ref, charge over std length          |  |                  | g/m       | 20                      |             | 20                      |              | 20                  |             | 20                  |             |  |
| Operating limits - COOLING                      |  | min-max          | °C        | -10-43°C                |             |                         |              | -10-46°C            |             |                     |             |  |
| Operating limits - HEATING                      |  | min-max          | °C        | -15-24°C                |             |                         |              |                     |             |                     |             |  |

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4,0 kW

5,0 kW

5,5 Kw

7,0 kW

7,5 kW

8,5 kW

9,0 kW

10,5 kW

12,5 kW



1:5

5U90S2SS5FA  
5U105S2SS5FA  
5U125S2SN1FA



1:3

**3S**  
3U55S2WR1FA



1:4

**3S**  
4U70S2WR1FA

| 4U75S2SR5FA                  | 4U85S2SR5FA          | 5U90S2SS5FA                  | 5U105S2SS5FA          | 5U125S2SN1FA          | 3U55S2WR1FA               | 4U70S2WR1FA     |
|------------------------------|----------------------|------------------------------|-----------------------|-----------------------|---------------------------|-----------------|
| 7,50<br>(2,40-8,70)          | 8,50<br>(3,20-9,50)  | 9,00<br>(3,20-11,00)         | 10,00<br>(3,20-11,00) | 12,50<br>(3,20-13,80) | 5,40                      | 7,00            |
| 8,60<br>(3,10-10,00)         | 9,60<br>(4,40-10,50) | 10,40<br>(4,40-11,50)        | 10,50<br>(4,40-11,50) | 12,70<br>(4,40-14,30) | 5,00                      | 6,00            |
| 1,97                         | 2,50                 | 2,79                         | 3,47                  | 3,87                  | 1,34                      | 1,8             |
| 2,15                         | 2,40                 | 2,79                         | 2,82                  | 3,40                  | 1,68                      | 2,0             |
| 3,80                         | 3,40                 | 3,23                         | 2,88                  | 3,23                  | 4,05                      | 3,90            |
| 4,00                         | 4,00                 | 3,73                         | 3,73                  | 3,73                  | 4,20                      | 4,30            |
| 7,50                         | 8,00                 | 9,00                         | 10,00                 | 12,50                 | 5,4                       | 7,0             |
| 6,30                         | 7,00                 | 7,20                         | 8,00                  | 9,50                  | 5,0                       | 6,0             |
| 7,00 (A++)                   | 7,00 (A++)           | 7,00 (A++)                   | 7,00 (A++)            | 7,10 (A++)            | 8,5 (A+++)                | 8 (A++)         |
| 4,00 (A+)                    | 4,00 (A+)            | 4,00 (A+)                    | 4,00 (A+)             | 4,05 (A+)             | 4,6 (A++)                 | 4,3 (A+)        |
| 379                          | 456                  | 457                          | 537                   | 622                   | 240                       | 320             |
| 2179                         | 2503                 | 2441                         | 2889                  | 3346                  | 1680                      | 1922            |
| 1/220-240/50/60              |                      |                              |                       |                       | 1/220-240/50/60           |                 |
| 3 x 4,0                      | 3 x 4,0              | 3 x 4,0                      | 3 x 4,0               | 3 x 4,0               | 3 x 4,0                   | 3 x 4,0         |
| 4 x 2,5                      | 4 x 2,5              | 4 x 2,5                      | 4 x 2,5               | 4 x 2,5               | 4 x 2,5                   | 4 x 2,5         |
| 4000                         | 4000                 | 4200                         | 4200                  | 4200                  | 3000                      | 3000            |
| 68                           | 68                   | 70                           | 70                    | 73                    | 63                        | 63              |
| 55                           | 55                   | 55                           | 55                    | 58                    | 53                        | 53              |
| 14,7/13,5                    | 15,5/14,6            | 18,2/14,6                    | 18,2/14,6             | 23,0/18,7             | 12,6/11,5                 | 13/12           |
| 5,0/5,0                      | 5,0/5,0              | 5,0/5,0                      | 5,0/5,0               | 5,0/5,0               | 4,0/4,0                   | 4,0/4,0         |
| 890x340x700                  | 890x340x700          | 920x372x765                  | 920x372x765           | 950x370x965           | 890x340x700               | 890x340x700     |
| 1010x455x835                 | 1010x455x835         | 1045x488x890                 | 1045x488x890          | 1050x485x1170         | 1010x455x875              | 1010x455x875    |
| 61,0/70,0                    | 61,0/70,0            | 66,0/77,0                    | 66,0/77,0             | 79,0/91,0             | 55/65                     | 56/66           |
| Twin Rotary Inverter         |                      |                              |                       |                       | Twin Rotary (DC inverter) |                 |
| R32                          | R32                  | R32                          | R32                   | R32                   | R32                       | R32             |
| 4x6,35 (4x1/4)               | 4x6,35 (4x1/4)       | 5x6,35 (5x1/4)               | 5x6,35 (5x1/4)        | 5x6,35 (5x1/4)        | 3*Ø6,35 (3x1/4)           | 4*Ø6,35 (4x1/4) |
| 3x9,52+1x12,70 (3x3/8+1x1/2) |                      | 3x9,52+2x12,70 (3x3/8+2x1/2) |                       |                       | 3*Ø9,52 (3x3/8)           | 4*Ø9,52 (3x3/8) |
| 40                           | 40                   | 40                           | 40                    | 50                    | 30                        | 30              |
| 70                           | 70                   | 80                           | 80                    | 100                   | 50                        | 50              |
| 15                           | 15                   | 15                           | 15                    | 15                    | 15                        | 15              |
| 7,5                          | 7,5                  | 7,5                          | 7,5                   | 7,5                   | 7,5                       | 7,5             |
| 1,60                         | 2,20                 | 2,40                         | 2,40                  | 2,50                  | 1,8                       | 1,9             |
| 1,08                         | 1,49                 | 1,62                         | 1,62                  | 1,69                  | 1,22                      | 1,28            |
| 20                           | 20                   | 20                           | 20                    | 20                    | 20                        | 20              |
| -10~46°C                     |                      |                              |                       |                       | -10~46°C                  |                 |
| -15~24°C                     |                      |                              |                       |                       | -15~24°C                  |                 |

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