

NEW MULTI SYSTEM SERIES COMBINATION TABLE

| MS-E14AIN | | MS-E21AIN | | MS-E24AIN | | MS-E28AIN | |
|-----------|---------|-----------|-----------|-----------|---------|-----------|--|
| 1 UNIT | 2 UNITS | 2 UNITS | 3 UNITS | 2 UNITS | 3 UNITS | 2 UNITS | |
| 7 | 7+7 | 7+7 | 7+7+7 | 7+7 | 7+7+7 | 7+7+18 | |
| 9 | 7+12 | 7+12 | 7+7+12 | 7+12 | 9+9+12 | 7+9+18 | |
| 12 | 7+9 | 9+9 | 7+7+9 | 9+9 | 7+7+9 | 12+12+12 | |
| | 9+9 | 7+9 | 7+9+9 | 9+18 | 7+9+9 | 7+12+12 | |
| | 9+12 | 7+18 | 9+9+9 | 12+18 | 7+7+12 | 9+9+18* | |
| | | 9+12 | 7+9+12 | 7+9 | 7+9+12 | 9+12+12* | |
| | | 9+18 | 7+12+12 | 7+18 | 9+9+9 | 7+18 | |
| | | 12+12 | 9+9+12 | 9+12 | | 9+12 | |
| | | 12+18 | 12+12+12* | 12+12 | | 12+12 | |
| | | | | 18+18 | | 18+18 | |
| | | | | | | | |
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| | | | | | | | |

| MS-E28AIN | | MS-E36AI | |
|-----------|----------|-----------|---------|
| 3 UNITS | 4 UNITS | 2 UNITS | 3 UNITS |
| 7+7+7 | 9+9+12 | 7+7+7+7 | 7+7 |
| 7+7+18 | 7+7+12 | 7+7+7+9 | 7+9 |
| 7+9+18 | 7+9+12 | 7+7+9+9 | 7+12 |
| 9+9+9 | 9+9+18 | 9+9+9+9 | 7+18 |
| 9+12+12 | 12+12+12 | 7+7+7+12 | 7+24 |
| 7+7+9 | 12+12+18 | 7+7+9+12 | 9+9 |
| 7+9+9 | 9+12+18 | 7+9+9+9 | 9+12 |
| 7+12+12 | 7+12+18 | 7+7+7+18 | 9+18 |
| | | 7+7+9+18 | |
| | | 7+9+9+12 | |
| | | 9+9+12+12 | |
| | | 7+7+12+12 | |
| | | 9+9+9+12 | |

| MS-E36AI | | MS-E42AI | |
|-----------|------------|-------------|---------|
| 4 UNITS | 2 UNITS | 3 UNITS | 3 UNITS |
| 7+7+7+7 | 7+7+18+18* | 9+9+9+9 | 7+7 |
| 7+7+7+9 | 7+9+9+9 | 9+9+9+12 | 7+9 |
| 7+7+7+12 | 7+9+9+12 | 9+9+9+18 | 7+12 |
| 7+7+7+18 | 7+9+9+18 | 9+9+12+12 | 7+18 |
| 7+7+7+24 | 7+9+9+24* | 9+12+12+12 | 7+24 |
| 7+7+9+9 | 7+9+12+12 | 9+9+9+24* | 9+9 |
| 7+7+9+12 | 7+9+12+18 | 9+9+12+18 | 9+12 |
| 7+7+9+18 | 7+9+18+18* | 9+9+18+18* | 9+18 |
| 7+7+9+24 | 7+12+12+18 | 9+12+12+18* | |
| 7+7+12+18 | 7+12+12+18 | 12+12+12+12 | |

| MS-E42AI | | | | | | | |
|-----------|------------|-------------|-------------|-------------|--------------|---------------|----------------|
| 4 UNITS | | | | 5 UNITS | | | |
| 7+7+7+7 | 7+7+18+18 | 9+9+9+12 | 7+9+18+24 | 7+7+7+7+7 | 7+7+9+9+12 | 9+9+9+9+18 | 7+9+9+12+18 |
| 7+7+7+9 | 7+9+9+9 | 9+9+9+18 | 7+12+12+24 | 7+7+7+7+9 | 7+7+9+9+18 | 9+9+9+12+12 | 7+9+9+12+24* |
| 7+7+7+12 | 7+9+9+12 | 9+9+9+24 | 7+12+18+18 | 7+7+7+7+12 | 7+7+9+12+12 | 9+9+12+12+12 | 7+9+9+18+18 |
| 7+7+7+18 | 7+9+9+18 | 9+9+12+12 | 7+12+18+24 | 7+7+7+7+18 | 7+7+9+12+18 | 9+9+12+12+18* | 7+9+12+12+18 |
| 7+7+7+24 | 7+9+9+24 | 9+9+12+18 | 7+18+18+18 | 7+7+7+7+24 | 7+7+12+12+12 | 7+7+7+12+24 | 7+12+12+12+12 |
| 7+7+9+9 | 7+9+12+12 | 9+9+12+24 | 9+9+18+24 | 7+7+7+9+9 | 7+9+9+9+9 | 7+7+7+18+18 | 7+12+12+12+18 |
| 7+7+9+12 | 7+9+12+18 | 9+9+18+18 | 9+12+12+24 | 7+7+7+9+12 | 7+9+9+9+12 | 7+7+9+9+24 | 9+9+9+9+24 |
| 7+7+9+18 | 7+9+12+24* | 9+12+12+12* | 9+12+18+18 | 7+7+7+9+18 | 7+9+9+9+18 | 7+7+9+12+24 | 9+9+9+12+18 |
| 7+7+9+24 | 7+9+18+18 | 9+12+12+18 | 9+18+18+18 | 7+7+7+9+24 | 7+9+9+12+12 | 7+7+9+18+18 | 9+9+9+18+18* |
| 7+7+12+12 | 7+12+12+12 | 12+12+12+12 | 12+12+18+18 | 7+7+7+12+12 | 7+9+12+12+12 | 7+7+12+12+18 | 9+12+12+12+12 |
| 7+7+12+18 | 7+12+12+18 | 12+12+12+18 | 12+12+12+24 | 7+7+7+12+18 | 9+9+9+9+9 | 7+7+12+18+18 | 9+12+12+12+18* |
| 7+7+12+24 | 9+9+9+9 | 7+7+18+24 | | 7+7+9+9+9 | 9+9+9+9+12 | 7+9+9+9+24 | 12+12+12+12+12 |

*This combinations of indoor units capacities exceed 130% of maximum capacity of the outdoor unit.

When indoor rated total capacity exceeds the outdoor rated capacity, cannot ensure that each indoor unit actual running capacity could reach its value required by rated capacity. For MS-E21AIN, MS-E24AIN, MS-E28AIN, MS-E36AI, MS-E42AI it is not allowed to install one indoor unit only. If the specification of outdoor unit gas valve is 3/8, but customer needs to install 18 indoor unit so that it is need to use a "pipe joint subassembly" (2pcs as standard accessory) to make a conversion joint with outdoor unit gas valve and connection pipe.

| PIPE LENGTH LIMITS, ADDITIONAL REFRIGERANT | | MS-E14AIN | MS-E18AIN | MS-E21AIN | MS-E24AIN | MS-E28AIN | MS-E36AI | MS-E42AI |
|--|---|-----------|-----------|-----------|-----------|-----------|----------|----------|
| Max. connection pipe length (L1+L2+...+L5) | m | 20 | 20 | 60 | 60 | 70 | 70 | 80 |
| Max. connection pipe length (One indoor unit) (L1, L2, L3, L4, L5) | m | 10 | 10 | 20 | 20 | 20 | 20 | 25 |
| Max. installation altitude | Outdoor unit is installed under the lower side of indoor unit | | m | 5 | 5 | 10 | 10 | 15 |
| | Outdoor unit is installed on the upper side of indoor unit | | m | 5 | 5 | 10 | 10 | 15 |
| Max. connection pipe length (Under the condition of no need to charge the refig., liq. pipe tot. length) | m | 10 | 10 | 30 | 30 | 40 | 40 | 50 |
| Refrigerant charge volume | g/m | | | 20 | | | | 22 |