

Multi-Zone

High SEER
UP TO 16

One outdoor unit can power up to four different types of indoor units simultaneously. Each room (zone) operates independently. People in different rooms – the kitchen, master bedroom or living room – can enjoy temperature settings that make each of them most comfortable.



Multi-Zone Outdoor Units

| Outdoor | Units | 2-Zone | 3-Zone | 4-Zone |
|--------------------------------|------------|--|--|--|
| | | M20C-18HRDN1-M (MSV11-09HRDN1-M) *2 | M30C-27HRDN1-M (MSV11-09HRDN1-M) *3 | M40C-36HRFN1-M (MSV11-09HRDN1-M) *4 |
| Performance | | | | |
| Nominal Cooling | BTUH | 18000 | 25000 | 35300 |
| Nominal Heating | BTUH | 19000 | 25200 | 38000 |
| HSPF | BTU / KW | 8 | 8.8 | 8.9 |
| SEER | BTU / KW | 15.5 | 15.5 | 16 |
| EER | BTU / KW | 10 | 10 | 10 |
| Cooling Operating Range | F° Degrees | 5-122 | 5-122 | 5-122 |
| Heating Operating Range | F° Degrees | 5-93 | 5-93 | 5-93 |
| Electrical | | | | |
| Voltage / Phase / Frequency | | 208/230 / 1 / 60 | 208/230 / 1 / 60 | 208/230 / 1 / 60 |
| Recommended In / Out Cable | | 14 AWG / 4 conductor | 14 AWG / 4 conductor | 14 AWG / 4 conductor |
| Minimum Circuit Ampacity | Amps | 10.5 | 16 | 15.4 |
| Recommended Fuse Size | Amps | 15 | 25 | 30 |
| Current Rating Cooling | Amps | 7.50 | 11 | 15 |
| Current Rating Heating | Amps | 7.6 | 11 | 15 |
| Specification | | | | |
| Outdoor Noise Level Cooling | DBa | 55 | 58 | 58 |
| Outdoor Noise Level Heating | DBa | 56 | 59 | 59 |
| Air Direction Horizontal | | Automatic | Automatic | Automatic |
| Air Direction Vertical | | Automatic | Automatic | Automatic |
| Air Filter | | Washable | Washable | Washable |
| Connection | | Flare | Flare | Flare |
| Combined Maximum Length | Feet | 100 | 150 | 200 |
| Maximum Vertical Differential | Feet | 32 | 32 | 32 |
| Connection Pipe Size Suction | Inches | 3/8 | 3/8 | 3/8 |
| Connection Pipe Size Discharge | Inches | 1/4 | 1/4 | 1/4 |
| Physical | | | | |
| Net Weight | LBS | 118 | 126 | 190 |
| Height Condensing Unit | Inches | 27 3/8 | 27 3/8 | 38 |
| Depth Condensing Unit | Inches | 13 3/16 | 13 3/16 | 14 |
| Width Condensing Unit | Inches | 33 1/2 | 33 1/2 | 39 |
| Refrigerant | | R-410a | R-410a | R-410a |

The outdoor condensing unit easily connects to any of these interior multi-zone units:



Multi-Zone Indoor Units

| Cassette | | MCA2I-12HRDN1-M | MCA2I-18HRDN1-M |
|--------------------------------|------------|--|--|
| | | MCA2U-12HRFN1-M | MCA2U-18HRFN1-M |
| Performance | | | |
| Cooling Operating Range | F° Degrees | 32-122 | 32-122 |
| Heating Operating Range | F° Degrees | 5-93.2 | 5-93.2 |
| Electrical | | | |
| Voltage / Phase / Frequency | | 208/230 / 1 / 60 | 208/230 / 1 / 60 |
| Recommended In / Out Cable | | 14 AWG / 4 conductor | 14 AWG / 4 conductor |
| Specification | | | |
| Air Circulation High | CFM | 212 | 420 |
| Noise Level Cooling High | DBa | 40 | 40 |
| Noise Level Heating High | DBa | 40 | 40 |
| Connection | | | |
| Combined Maximum Length | Feet | 100 for dualzone totally 150 for trizone totally 200 for quazone totally | 100 for dualzone totally 150 for trizone totally 200 for quazone totally |
| Maximum Vertical Differential | Feet | 33 | 33 |
| Connection Pipe Size Suction | Inches | 1/2 | 1/2 |
| Connection Pipe Size Discharge | Inches | 1/4 | 1/4 |
| Physical | | | |
| Net Weight | LBS | 35 | 40 |
| Height Evaporator | Inches | 22 7/16 | 22 7/16 |
| Depth Evaporator | Inches | 10 1/4 | 10 1/4 |
| Width Evaporator | Inches | 22 7/16 | 22 7/16 |
| Refrigerant | | R-410a | R-410a |

Cassette



Wall Mount



| Wall Mount | | MSV1I-09HRDN1-M | MSV1I-12HRDN1-M | MSV1I-18HRDN1-M |
|--------------------------------|--------------|----------------------|----------------------|----------------------|
| Performance | | | | |
| Cooling Operating Range | F° Degrees | 32-122 | 32-122 | 32-122 |
| Heating Operating Range | F° Degrees | 5-93 | 5-93 | 5-93 |
| Moisture Removal | Pints / Hour | 3.8 | 3.8 | 3.8 |
| Electrical | | | | |
| Voltage / Phase / Frequency | | 208/230 / 1 / 60 | 208/230 / 1 / 60 | 208/230 / 1 / 60 |
| Recommended In / Out Cable | | 14 AWG / 4 conductor | 14 AWG / 4 conductor | 14 AWG / 4 conductor |
| Specification | | | | |
| Air Circulation Hi / Med / Low | CFM | 400 / 318 / 288 | 430 / 341 / 312 | 800 / 700 / 600 |
| Noise Level Cooling High | DBa | 39 | 39 | 48 |
| Noise Level Heating High | DBa | 39 | 39 | 48 |
| Air Direction Horizontal | | Automatic | Automatic | Automatic |
| Air Direction Vertical | | Automatic | Automatic | Automatic |
| Air Filter | | Washable | Washable | Washable |
| Connection | | Flare | Flare | Flare |
| Combined Maximum Length | Feet | 65.6 | 65.6 | 65.6 |
| Maximum Vertical Differential | Feet | 26.2 | 26.2 | 26.2 |
| Connection Pipe Size Suction | Inches | 3/8 | 3/8 | 1/2 |
| Connection Pipe Size Discharge | Inches | 1/4 | 1/4 | 1/4 |
| Physical | | | | |
| Net Weight | LBS | 10 | 10 | 12 |
| Height Evaporator | Inches | 10 5/8 | 11 1/2 | 11 5/8 |
| Depth Evaporator | Inches | 6 1/2 | 6 1/2 | 7 5/8 |
| Width Evaporator | Inches | 31 5/16 | 33 1/2 | 39 3/16 |
| Refrigerant | | R-410a | R-410a | R-410a |

Note:

1. Specifications are subject to change without notice.
2. The noise level data reflects the level in the anechoic chamber.
3. Please refer to the sizing guide on page 5 for square footage/ BTU recommendations (values suggested by Energy Star web site).
4. Some features are not standard. Please refer to technical support/sales representatives.

