

M series Models
COMBINATION OF SINGLE SPLIT TYPE

| Type | | | Model Name | | Type | | | Model Name | | | | | | | |
|-----------------------|---------------|-----------|---------------------|--------------------------------|------------------|----------|-----------|---------------------------|--------------------------------|---------------|-------------------|--------------------------------|-----------|---------------|--------------------------------|
| | | | Indoor unit | Outdoor unit | | | | Indoor unit | Outdoor unit | | | | | | |
| M series Wall-Mounted | Inverter | Heat pump | MSZ-FS06NA | MUZ-FS06NA MUZ-FS06NAH | Ceiling Cassette | Inverter | Heat pump | SLZ-KF09NA | SUZ-KA09NA(H)2 SUZ-KA09NAHZ | | | | | | |
| | | | MSZ-FS09NA | MUZ-FS09NA MUZ-FS09NAH | | | | SLZ-KF12NA | SUZ-KA12NA(H)2 SUZ-KA12NAHZ | | | | | | |
| | | | MSZ-FS12NA | MUZ-FS12NA MUZ-FS12NAH | | | | SLZ-KF15NA | SUZ-KA15NA(H)2 SUZ-KA15NAHZ | | | | | | |
| | | | MSZ-FS15NA | MUZ-FS15NA MUZ-FS15NAH | | | | SLZ-KF18NA | SUZ-KA18NA(H)2 SUZ-KA18NAHZ | | | | | | |
| | | | MSZ-FS18NA | MUZ-FS18NA MUZ-FS18NAH | | | | Ceiling-Concealed | Inverter | Heat pump | SEZ-KD09NA4 | SUZ-KA09NA(H)2 SUZ-KA09NAHZ | | | |
| | | | MSZ-GL06NA | for MXZ connection only | | | | | | | SEZ-KD12NA4 | SUZ-KA12NA(H)2 SUZ-KA12NAHZ | | | |
| | | | MSZ-GL09NA | MUZ-GL09NA MUZ-GL09NAH | | | | | | | SEZ-KD15NA4 | SUZ-KA15NA(H)2 SUZ-KA15NAHZ | | | |
| | | | MSZ-GL12NA | MUZ-GL12NA MUZ-GL12NAH | | | | | | | SEZ-KD18NA4 | SUZ-KA18NA(H)2 SUZ-KA18NAHZ | | | |
| | | | MSZ-GL15NA | MUZ-GL15NA MUZ-GL15NAH | | | | | | | Ceiling-Concealed | Inverter | Heat pump | PEAD-A09AA7 | SUZ-KA09NA(H)2 SUZ-KA09NAHZ |
| | | | MSZ-GL18NA | MUZ-GL18NA MUZ-GL18NAH | | | | | | | | | | PEAD-A12AA7 | SUZ-KA12NA(H)2 SUZ-KA12NAHZ |
| | | | MSZ-GL24NA | MUZ-GL24NA MUZ-GL24NAH | | | | | | | | | | PEAD-A15AA7 | SUZ-KA15NA(H)2 SUZ-KA15NAHZ |
| | | | MSY-GL09NA | MUY-GL09NA | | | | | | | | | | PEAD-A18AA7 | SUZ-KA18NA(H)2 SUZ-KA18NAHZ |
| | | | MSY-GL12NA | MUY-GL12NA | | | | | | | | | | PEAD-A24AA7 | SUZ-KA24NA(H)2 SUZ-KA24NAHZ |
| | | | MSY-GL15NA | MUY-GL15NA | | | | | | | | | | PEAD-A30AA7 | SUZ-KA30NA(H)2 SUZ-KA30NAHZ |
| | | | MSY-GL18NA | MUY-GL18NA | | | | | | | | | | PEAD-A36AA7 | SUZ-KA36NA(H)2 SUZ-KA36NAHZ |
| | | | MSY-GL24NA | MUY-GL24NA | | | | | | | | | | Multi-Positon | Inverter |
| | | | MSZ-EF09NA(W)(B)(S) | for MXZ connection only | | | | SVZ-KP18NA | SUZ-KA18NA(H)2 SUZ-KA18NAHZ | | | | | | |
| | | | MSZ-EF12NA(W)(B)(S) | | | | | SVZ-KP24NA | SUZ-KA24NA(H)2 SUZ-KA24NAHZ | | | | | | |
| | | | MSZ-EF15NA(W)(B)(S) | | | | | SVZ-KP30NA | SUZ-KA30NA(H)2 SUZ-KA30NAHZ | | | | | | |
| | | | MSZ-EF18NA(W)(B)(S) | | | | | SVZ-KP36NA | SUZ-KA36NA(H)2 SUZ-KA36NAHZ | | | | | | |
| | | | MSZ-HM09NA | | | | | MUZ-HM09NA MUZ-HM09NAH | | | | | | | |
| | | | MSZ-HM12NA | MUZ-HM12NA MUZ-HM12NAH | | | | | | | | | | | |
| | | | MSZ-HM15NA | MUZ-HM15NA MUZ-HM15NAH | | | | | | | | | | | |
| | | | MSZ-HM18NA | MUZ-HM18NA MUZ-HM18NAH | | | | | | | | | | | |
| | | | MSZ-HM24NA | MUZ-HM24NA MUZ-HM24NAH | | | | | | | | | | | |
| | | | MSZ-WR09NA | MUZ-WR09NA | | | | | | | | | | | |
| | | | MSZ-WR12NA | MUZ-WR12NA | | | | | | | | | | | |
| | | | MSZ-WR18NA | MUZ-WR18NA | | | | | | | | | | | |
| | | | MSZ-WR24NA | MUZ-WR24NA | | | | | | | | | | | |
| | | | MSZ-JP09WA | MUZ-JP09WA | | | | | | | | | | | |
| | | | MSZ-JP12WA | MUZ-JP12WA | | | | | | | | | | | |
| | | | Floor-Standing | Inverter | | | | Heat pump | MFZ-KJ09NA | MUFZ-KJ09NAHZ | | | | | |
| | | | | | | | | | MFZ-KJ12NA | MUFZ-KJ12NAHZ | | | | | |
| MFZ-KJ15NA | MUFZ-KJ15NAHZ | | | | | | | | | | | | | | |
| MFZ-KJ18NA | MUFZ-KJ18NAHZ | | | | | | | | | | | | | | |
| Ceiling Cassette | Inverter | Heat pump | MLZ-KP09NA | SUZ-KA09NA(H)2 SUZ-KA09NAHZ | | | | | | | | | | | |
| | | | MLZ-KP12NA | SUZ-KA12NA(H)2 SUZ-KA12NAHZ | | | | | | | | | | | |
| | | | MLZ-KP18NA | SUZ-KA18NA(H)2 SUZ-KA18NAHZ | | | | | | | | | | | |

| Model name | Indoor unit | | SVZ-KP30NA | SVZ-KP36NA | |
|-------------------------|----------------------------------|---------------|----------------------------|---------------|------|
| | Outdoor unit | | SUZ-KA30NAHZ | SUZ-KA36NAHZ | |
| Cooling *1 | Rated Capacity | Btu/h | 27,000 | 36,000 | |
| | Capacity Range | Btu/h | 13,400-27,000 | 14,200-36,000 | |
| | Total input | W | 2100 | 3,760 | |
| | Energy Efficiency | EER | | 12.5 | 9.5 |
| | | SEER | | 15.0 | 16.0 |
| | Moisture Removal | Pints/h | | 4.1 | 8.4 |
| Sensible Heat Factor | | | 0.83 | 0.74 | |
| Heating at 47°F *1 | Rated Capacity | Btu/h | 32,000 | 37,000 | |
| | Capacity Range | Btu/h | 13,000-34,000 | 13,800-40,000 | |
| | Total input | W | 2,400 | 3,280 | |
| | HSPF(Region IV) | Btu/h/W | 9.0 | 9.0 | |
| | Maximum Capacity | Btu/h | 32,000 | 37,000 | |
| Heating at 17°F *2 | Rated Capacity | Btu/h | 21,400 | 32,800 | |
| | Rated Total input | W | 2,750 | 4,230 | |
| | Maximum Capacity | Btu/h | 32,000 | 37,000 | |
| | Maximum Total Input | W | 3,970 | 5,800 | |
| Power supply | Voltage, Phase, Cycle | | 1-phase, 60Hz, 208/230V | | |
| Voltage | Indoor - Outdoor S1-S2 | | AC 208/230V | | |
| | Indoor - Outdoor S2-S3 | | DC12-24V | | |
| | Indoor - Remote controller | | DC12V | | |
| Indoor unit | MCA | A | 4.13 | | |
| | Fan Motor | F.L.A | 3.3 | | |
| | Fan Motor Output | W | 244 | | |
| | Air flow (Lo-Mid-Hi) | DRY(CFM) | 613-744-875 | 767-910-910 | |
| | | WET(CFM) | 552-670-788 | 690-819-819 | |
| | External Static Pressure | in WG | 0.3-0.5-0.8 | | |
| | Sound Pressure Level (Lo-Mid-Hi) | dB (A) | 32-37-41 | 35-40-42 | |
| | External Finish Color | | Munsell No.1.0Y 9.2/0.2 | | |
| | Dimensions | W: in | 21 | | |
| | | D: in | 21-5/8 | | |
| | | H: in | 43-3/4 | | |
| | Weight Unit | lbs | 119 | | |
| | Field Drainpipe O.D. | in | 3/4 | | |
| Refrigerant pipe Gas | in | 3/8 | | | |
| Refrigerant pipe Liquid | in | 5/8 | | | |
| Outdoor unit | MCA | A | 24 | 26 | |
| | MOCP | A | 40 | 42 | |
| | SCCR | A | 5 | | |
| | Inverter input | A | 16 | | |
| | Compressor | Model(Type) | ANB33FJMMT | | |
| | Air flow (Cooling/Heating) | CFM | 3,880/3,880 | | |
| | Refrigerant Control | | Electronic Expansion Valve | | |
| | Defrost Method | | Reverse Cycle | | |
| | SPL (Cooling) | dB (A) | 52 | | |
| | SPL (Heating) | dB (A) | 53 | | |
| | External Finish Color | | Munsell No.3Y 7.8/1.1 | | |
| | Dimension | W: in | 41-11/32 | | |
| | | D: in | 12-63/64+63/64 | | |
| | | H: in | 52-43/64 | | |
| | Weight | lbs | 118 | | |
| | Remote Controller | Type | Attached in indoor unit | | |
| | Refrigerant | Type | R410A | | |
| Charge | | lbs, oz | 11,7 | | |
| Oil | | Type(Fl.oz.) | FV50S(47 oz) | | |
| Refrigerant Pipe | Gas side O.D. | in | 5/8 | | |
| | Liquid side O.D. | in | 3/8 | | |
| | Height Difference (Max) | ft | 100 | | |
| | Length (Max.) | ft | 100 | | |
| Connection Method | Indoor/Outdoor | Flared/Flared | | | |
| Operation Guarantee | Cooling | °F(°C) | *0(-18) - 115(46) | | |
| | Heating | °F(°C) | -13(-25) to 75(24) | | |

* In case that the wind baffle is installed. (In case that the wind baffle is not installed, the minimum temperature will be 23°F DB.

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7°C(80°F), W.B. 19.4°C(67°F) Outdoor : D.B. 35°C(95°F), W.B. 23.9°C(75°F)
 (heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. 8.3°C(47°F), W.B. 6.1°C(43°F)
 *2.Rating conditions (heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. -8.3°C(17°F), W.B. -9.4°C(15°F)

Operating range

| | | Indoor intake air temperature | | Outdoor intake air temperature | |
|---------|---------|--------------------------------------|---------|--------------------------------------|---------|
| | | Maximum | Minimum | Maximum | Minimum |
| Cooling | Maximum | D.B. 35°C(95°F), W.B. 21.7°C(71°F) | | D.B. 46°C(115°F) | |
| | Minimum | D.B. 19.4°C(67°F), W.B. 13.9°C(57°F) | | D.B. -10°C(14°F) | |
| Heating | Maximum | D.B. 26.7°C(80°F), W.B. 19.4°C(67°F) | | D.B. 24°C(75°F), W.B. 18°C(65°F) | |
| | Minimum | D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) | | D.B. -25°C(-13°F), W.B. -26°C(-14°F) | |

MULTI-POSITION AIR HANDLER

SPECIFICATIONS

75F / 50% RH = 63F WB

COOLING operation at Rated frequency

SVZ-KP30NA / SUZ-KA30NAHZ

CAPACITY : 27000(Btu/h) INPUT :2.1(kW) SHF :0.83

| | | OUTDOOR DB(°F) | | | | | | | | | | | | | | | |
|---------------|---------------|----------------|-------|------|------|-------|-------|------|------|-------|-------|------|------|-------|-------|------|------|
| INDOOR DB(°F) | INDOOR WB(°F) | 68 | | | | 77 | | | | 86 | | | | 95 | | | |
| | | CA | SHC | SHF | P.C. | CA | SHC | SHF | P.C. | CA | SHC | SHF | P.C. | CA | SHC | SHF | P.C. |
| 68 | 61 | 26055 | 18916 | 0.73 | 1.74 | 25677 | 18642 | 0.73 | 1.82 | 25164 | 18269 | 0.73 | 1.92 | 24516 | 17799 | 0.73 | 2.05 |
| 68 | 64 | 27729 | 16804 | 0.61 | 1.79 | 27351 | 16575 | 0.61 | 1.86 | 26811 | 16247 | 0.61 | 1.96 | 26109 | 15822 | 0.61 | 2.09 |
| 68 | 61 | 26055 | 19958 | 0.77 | 1.74 | 25677 | 19669 | 0.77 | 1.82 | 25164 | 19276 | 0.77 | 1.92 | 24516 | 18779 | 0.77 | 2.05 |
| 68 | 64 | 27729 | 17913 | 0.65 | 1.79 | 27351 | 17669 | 0.65 | 1.86 | 26811 | 17320 | 0.65 | 1.96 | 26109 | 16866 | 0.65 | 2.09 |
| 68 | 68 | 29457 | 15494 | 0.53 | 1.83 | 29052 | 15281 | 0.53 | 1.91 | 28512 | 14997 | 0.53 | 2.00 | 27756 | 14600 | 0.53 | 2.13 |
| 72 | 61 | 26055 | 22043 | 0.85 | 1.74 | 25677 | 21723 | 0.85 | 1.82 | 25164 | 21289 | 0.85 | 1.92 | 24516 | 20741 | 0.85 | 2.05 |
| 72 | 64 | 27729 | 20131 | 0.73 | 1.79 | 27351 | 19857 | 0.73 | 1.86 | 26811 | 19465 | 0.73 | 1.96 | 26109 | 18955 | 0.73 | 2.09 |
| 72 | 68 | 29457 | 17851 | 0.61 | 1.83 | 29052 | 17606 | 0.61 | 1.91 | 28512 | 17278 | 0.61 | 2.00 | 27756 | 16820 | 0.61 | 2.13 |
| 75 | 61 | 26055 | 24127 | 0.93 | 1.74 | 25677 | 23777 | 0.93 | 1.82 | 25164 | 23302 | 0.93 | 1.92 | 24516 | 22702 | 0.93 | 2.05 |
| 75 | 64 | 27729 | 22350 | 0.81 | 1.79 | 27351 | 22045 | 0.81 | 1.86 | 26811 | 21610 | 0.81 | 1.96 | 26109 | 21044 | 0.81 | 2.09 |
| 75 | 68 | 29457 | 20208 | 0.69 | 1.83 | 29052 | 19930 | 0.69 | 1.91 | 28512 | 19559 | 0.69 | 2.00 | 27756 | 19041 | 0.69 | 2.13 |
| 75 | 72 | 31185 | 17651 | 0.57 | 1.87 | 30807 | 17437 | 0.57 | 1.95 | 30213 | 17101 | 0.57 | 2.04 | 29430 | 16657 | 0.57 | 2.17 |
| 79 | 61 | 26055 | 26055 | 1.00 | 1.74 | 25677 | 25677 | 1.00 | 1.82 | 25164 | 25164 | 1.00 | 1.92 | 24516 | 24516 | 1.00 | 2.05 |
| 79 | 64 | 27729 | 24568 | 0.89 | 1.79 | 27351 | 24233 | 0.89 | 1.86 | 26811 | 23755 | 0.89 | 1.96 | 26109 | 23133 | 0.89 | 2.09 |
| 79 | 68 | 29457 | 22564 | 0.77 | 1.83 | 29052 | 22254 | 0.77 | 1.91 | 28512 | 21840 | 0.77 | 2.00 | 27756 | 21261 | 0.77 | 2.13 |
| 79 | 72 | 31185 | 20146 | 0.65 | 1.87 | 30807 | 19901 | 0.65 | 1.95 | 30213 | 19518 | 0.65 | 2.04 | 29430 | 19012 | 0.65 | 2.17 |
| 81 | 61 | 26055 | 26055 | 1.00 | 1.74 | 25677 | 25677 | 1.00 | 1.82 | 25164 | 25164 | 1.00 | 1.92 | 24516 | 24516 | 1.00 | 2.05 |
| 81 | 64 | 27729 | 25677 | 0.93 | 1.79 | 27351 | 25327 | 0.93 | 1.86 | 26811 | 24827 | 0.93 | 1.96 | 26109 | 24177 | 0.93 | 2.09 |
| 81 | 68 | 29457 | 23742 | 0.81 | 1.83 | 29052 | 23416 | 0.81 | 1.91 | 28512 | 22981 | 0.81 | 2.00 | 27756 | 22371 | 0.81 | 2.13 |
| 81 | 72 | 31185 | 21393 | 0.69 | 1.87 | 30807 | 21134 | 0.69 | 1.95 | 30213 | 20726 | 0.69 | 2.04 | 29430 | 20189 | 0.69 | 2.17 |
| 82 | 61 | 26055 | 26055 | 1.00 | 1.74 | 25677 | 25677 | 1.00 | 1.82 | 25164 | 25164 | 1.00 | 1.92 | 24516 | 24516 | 1.00 | 2.05 |
| 82 | 64 | 27729 | 26786 | 0.97 | 1.79 | 27351 | 26421 | 0.97 | 1.86 | 26811 | 25899 | 0.97 | 1.96 | 26109 | 25221 | 0.97 | 2.09 |
| 82 | 68 | 29457 | 24921 | 0.85 | 1.83 | 29052 | 24578 | 0.85 | 1.91 | 28512 | 24121 | 0.85 | 2.00 | 27756 | 23482 | 0.85 | 2.13 |
| 82 | 72 | 31185 | 22640 | 0.73 | 1.87 | 30807 | 22366 | 0.73 | 1.95 | 30213 | 21935 | 0.73 | 2.04 | 29430 | 21366 | 0.73 | 2.17 |
| 86 | 61 | 26055 | 26055 | 1.00 | 1.74 | 25677 | 25677 | 1.00 | 1.82 | 25164 | 25164 | 1.00 | 1.92 | 24516 | 24516 | 1.00 | 2.05 |
| 86 | 64 | 27729 | 27729 | 1.00 | 1.79 | 27351 | 27351 | 1.00 | 1.86 | 26811 | 26811 | 1.00 | 1.96 | 26109 | 26109 | 1.00 | 2.09 |
| 86 | 68 | 29457 | 27277 | 0.93 | 1.83 | 29052 | 26902 | 0.93 | 1.91 | 28512 | 26402 | 0.93 | 2.00 | 27756 | 25702 | 0.93 | 2.13 |
| 86 | 72 | 31185 | 25135 | 0.81 | 1.87 | 30807 | 24830 | 0.81 | 1.95 | 30213 | 24352 | 0.81 | 2.04 | 29430 | 23721 | 0.81 | 2.17 |
| 90 | 61 | 26055 | 26055 | 1.00 | 1.74 | 25677 | 25677 | 1.00 | 1.82 | 25164 | 25164 | 1.00 | 1.92 | 24516 | 24516 | 1.00 | 2.05 |
| 90 | 64 | 27729 | 27729 | 1.00 | 1.79 | 27351 | 27351 | 1.00 | 1.86 | 26811 | 26811 | 1.00 | 1.96 | 26109 | 26109 | 1.00 | 2.09 |
| 90 | 68 | 29457 | 29457 | 1.00 | 1.83 | 29052 | 29052 | 1.00 | 1.91 | 28512 | 28512 | 1.00 | 2.00 | 27756 | 27756 | 1.00 | 2.13 |
| 90 | 72 | 31185 | 27630 | 0.89 | 1.87 | 30807 | 27295 | 0.89 | 1.95 | 30213 | 26769 | 0.89 | 2.04 | 29430 | 26075 | 0.89 | 2.17 |

MULTI-POSITION AIR HANDLER PERFORMANCE DATA

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
 P.C. :Power consumption (kW) SHF :Sensible heat factor

75F / 50% RH = 63F WB

COOLING operation at Rated frequency**SVZ-KP30NA / SUZ-KA30NAHZ**

CAPACITY : 27000(Btu/h) INPUT :2.1(kW) SHF :0.83

| | | OUTDOOR DB(°F) | | | | | | | |
|------------------|------------------|----------------|-------|------|------|-------|-------|------|------|
| INDOOR DB(°F) | INDOOR WB(°F) | 104 | | | | 115 | | | |
| | | CA | SHC | SHF | P.C. | CA | SHC | SHF | P.C. |
| 68 | 61 | 23679 | 17191 | 0.73 | 2.19 | 22437 | 16289 | 0.73 | 2.41 |
| 68 | 64 | 25218 | 15282 | 0.61 | 2.24 | 23895 | 14480 | 0.61 | 2.46 |
| 68 | 61 | 23679 | 18138 | 0.77 | 2.19 | 22437 | 17187 | 0.77 | 2.41 |
| 68 | 64 | 25218 | 16291 | 0.65 | 2.24 | 23895 | 15436 | 0.65 | 2.46 |
| 68 | 68 | 26811 | 14103 | 0.53 | 2.28 | 25353 | 13336 | 0.53 | 2.50 |
| 72 | 61 | 23679 | 20032 | 0.85 | 2.19 | 22437 | 18982 | 0.85 | 2.41 |
| 72 | 64 | 25218 | 18308 | 0.73 | 2.24 | 23895 | 17348 | 0.73 | 2.46 |
| 72 | 68 | 26811 | 16247 | 0.61 | 2.28 | 25353 | 15364 | 0.61 | 2.50 |
| 75 | 61 | 23679 | 21927 | 0.93 | 2.19 | 22437 | 20777 | 0.93 | 2.41 |
| 75 | 64 | 25218 | 20326 | 0.81 | 2.24 | 23895 | 19259 | 0.81 | 2.46 |
| 75 | 68 | 26811 | 18392 | 0.69 | 2.28 | 25353 | 17392 | 0.69 | 2.50 |
| 75 | 72 | 28404 | 16077 | 0.57 | 2.32 | 26811 | 15175 | 0.57 | 2.55 |
| 79 | 61 | 23679 | 23679 | 1.00 | 2.19 | 22437 | 22437 | 1.00 | 2.41 |
| 79 | 64 | 25218 | 22343 | 0.89 | 2.24 | 23895 | 21171 | 0.89 | 2.46 |
| 79 | 68 | 26811 | 20537 | 0.77 | 2.28 | 25353 | 19420 | 0.77 | 2.50 |
| 79 | 72 | 28404 | 18349 | 0.65 | 2.32 | 26811 | 17320 | 0.65 | 2.55 |
| 81 | 61 | 23679 | 23679 | 1.00 | 2.19 | 22437 | 22437 | 1.00 | 2.41 |
| 81 | 64 | 25218 | 23352 | 0.93 | 2.24 | 23895 | 22127 | 0.93 | 2.46 |
| 81 | 68 | 26811 | 21610 | 0.81 | 2.28 | 25353 | 20435 | 0.81 | 2.50 |
| 81 | 72 | 28404 | 19485 | 0.69 | 2.32 | 26811 | 18392 | 0.69 | 2.55 |
| 82 | 61 | 23679 | 23679 | 1.00 | 2.19 | 22437 | 22437 | 1.00 | 2.41 |
| 82 | 64 | 25218 | 24361 | 0.97 | 2.24 | 23895 | 23083 | 0.97 | 2.46 |
| 82 | 68 | 26811 | 22682 | 0.85 | 2.28 | 25353 | 21449 | 0.85 | 2.50 |
| 82 | 72 | 28404 | 20621 | 0.73 | 2.32 | 26811 | 19465 | 0.73 | 2.55 |
| 86 | 61 | 23679 | 23679 | 1.00 | 2.19 | 22437 | 22437 | 1.00 | 2.41 |
| 86 | 64 | 25218 | 25218 | 1.00 | 2.24 | 23895 | 23895 | 1.00 | 2.46 |
| 86 | 68 | 26811 | 24827 | 0.93 | 2.28 | 25353 | 23477 | 0.93 | 2.50 |
| 86 | 72 | 28404 | 22894 | 0.81 | 2.32 | 26811 | 21610 | 0.81 | 2.55 |
| 90 | 61 | 23679 | 23679 | 1.00 | 2.19 | 22437 | 22437 | 1.00 | 2.41 |
| 90 | 64 | 25218 | 25218 | 1.00 | 2.24 | 23895 | 23895 | 1.00 | 2.46 |
| 90 | 68 | 26811 | 26811 | 1.00 | 2.28 | 25353 | 25353 | 1.00 | 2.50 |
| 90 | 72 | 28404 | 25166 | 0.89 | 2.32 | 26811 | 23755 | 0.89 | 2.55 |

Note: C A :Capacity (Btu/h)
P.C. :Power consumption (kW)

SHC :Sensible heat capacity (Btu/h)
SHF :Sensible heat factor

75 F / 50% RH = 63F WB

COOLING operation at Rated frequency
SVZ-KP36NA / SUZ-KA36NAHZ

CAPACITY : 36000(Btu/h) INPUT :3.76(kW) SHF :0.74

| | | OUTDOOR DB(°F) | | | | | | | | | | | | | | | |
|---------------|---------------|----------------|-------|------|------|-------|-------|------|------|-------|-------|------|------|-------|-------|------|------|
| INDOOR DB(°F) | INDOOR WB(°F) | 68 | | | | 77 | | | | 86 | | | | 95 | | | |
| | | CA | SHC | SHF | P.C. | CA | SHC | SHF | P.C. | CA | SHC | SHF | P.C. | CA | SHC | SHF | P.C. |
| 68 | 61 | 34740 | 22095 | 0.64 | 3.12 | 34236 | 21774 | 0.64 | 3.26 | 33552 | 21339 | 0.64 | 3.44 | 32688 | 20790 | 0.64 | 3.66 |
| 68 | 64 | 36972 | 19078 | 0.52 | 3.20 | 36468 | 18817 | 0.52 | 3.34 | 35748 | 18446 | 0.52 | 3.52 | 34812 | 17963 | 0.52 | 3.74 |
| 68 | 61 | 34740 | 23484 | 0.68 | 3.12 | 34236 | 23144 | 0.68 | 3.26 | 33552 | 22681 | 0.68 | 3.44 | 32688 | 22097 | 0.68 | 3.66 |
| 68 | 64 | 36972 | 20556 | 0.56 | 3.20 | 36468 | 20276 | 0.56 | 3.34 | 35748 | 19876 | 0.56 | 3.52 | 34812 | 19355 | 0.56 | 3.74 |
| 68 | 68 | 39276 | 17124 | 0.44 | 3.28 | 38736 | 16889 | 0.44 | 3.41 | 38016 | 16575 | 0.44 | 3.59 | 37008 | 16135 | 0.44 | 3.81 |
| 72 | 61 | 34740 | 26263 | 0.76 | 3.12 | 34236 | 25882 | 0.76 | 3.26 | 33552 | 25365 | 0.76 | 3.44 | 32688 | 24712 | 0.76 | 3.66 |
| 72 | 64 | 36972 | 23514 | 0.64 | 3.20 | 36468 | 23194 | 0.64 | 3.34 | 35748 | 22736 | 0.64 | 3.52 | 34812 | 22140 | 0.64 | 3.74 |
| 72 | 68 | 39276 | 20266 | 0.52 | 3.28 | 38736 | 19988 | 0.52 | 3.41 | 38016 | 19616 | 0.52 | 3.59 | 37008 | 19096 | 0.52 | 3.81 |
| 75 | 61 | 34740 | 29043 | 0.84 | 3.12 | 34236 | 28621 | 0.84 | 3.26 | 33552 | 28049 | 0.84 | 3.44 | 32688 | 27327 | 0.84 | 3.66 |
| 75 | 64 | 36972 | 26472 | 0.72 | 3.20 | 36468 | 26111 | 0.72 | 3.34 | 35748 | 25596 | 0.72 | 3.52 | 34812 | 24925 | 0.72 | 3.74 |
| 75 | 68 | 39276 | 23408 | 0.60 | 3.28 | 38736 | 23087 | 0.60 | 3.41 | 38016 | 22658 | 0.60 | 3.59 | 37008 | 22057 | 0.60 | 3.81 |
| 75 | 72 | 41580 | 19792 | 0.48 | 3.35 | 41076 | 19552 | 0.48 | 3.49 | 40284 | 19175 | 0.48 | 3.66 | 39240 | 18678 | 0.48 | 3.88 |
| 79 | 61 | 34740 | 31822 | 0.92 | 3.12 | 34236 | 31360 | 0.92 | 3.26 | 33552 | 30734 | 0.92 | 3.44 | 32688 | 29942 | 0.92 | 3.66 |
| 79 | 64 | 36972 | 29430 | 0.80 | 3.20 | 36468 | 29029 | 0.80 | 3.34 | 35748 | 28455 | 0.80 | 3.52 | 34812 | 27710 | 0.80 | 3.74 |
| 79 | 68 | 39276 | 26551 | 0.68 | 3.28 | 38736 | 26186 | 0.68 | 3.41 | 38016 | 25699 | 0.68 | 3.59 | 37008 | 25017 | 0.68 | 3.81 |
| 79 | 72 | 41580 | 23118 | 0.56 | 3.35 | 41076 | 22838 | 0.56 | 3.49 | 40284 | 22398 | 0.56 | 3.66 | 39240 | 21817 | 0.56 | 3.88 |
| 81 | 61 | 34740 | 33211 | 0.96 | 3.12 | 34236 | 32730 | 0.96 | 3.26 | 33552 | 32076 | 0.96 | 3.44 | 32688 | 31250 | 0.96 | 3.66 |
| 81 | 64 | 36972 | 30909 | 0.84 | 3.20 | 36468 | 30487 | 0.84 | 3.34 | 35748 | 29885 | 0.84 | 3.52 | 34812 | 29103 | 0.84 | 3.74 |
| 81 | 68 | 39276 | 28122 | 0.72 | 3.28 | 38736 | 27735 | 0.72 | 3.41 | 38016 | 27219 | 0.72 | 3.59 | 37008 | 26498 | 0.72 | 3.81 |
| 81 | 72 | 41580 | 24782 | 0.60 | 3.35 | 41076 | 24481 | 0.60 | 3.49 | 40284 | 24009 | 0.60 | 3.66 | 39240 | 23387 | 0.60 | 3.88 |
| 82 | 61 | 34740 | 34601 | 1.00 | 3.12 | 34236 | 34099 | 1.00 | 3.26 | 33552 | 33418 | 1.00 | 3.44 | 32688 | 32557 | 1.00 | 3.66 |
| 82 | 64 | 36972 | 32387 | 0.88 | 3.20 | 36468 | 31946 | 0.88 | 3.34 | 35748 | 31315 | 0.88 | 3.52 | 34812 | 30495 | 0.88 | 3.74 |
| 82 | 68 | 39276 | 29693 | 0.76 | 3.28 | 38736 | 29284 | 0.76 | 3.41 | 38016 | 28740 | 0.76 | 3.59 | 37008 | 27978 | 0.76 | 3.81 |
| 82 | 72 | 41580 | 26445 | 0.64 | 3.35 | 41076 | 26124 | 0.64 | 3.49 | 40284 | 25621 | 0.64 | 3.66 | 39240 | 24957 | 0.64 | 3.88 |
| 86 | 61 | 34740 | 34740 | 1.00 | 3.12 | 34236 | 34236 | 1.00 | 3.26 | 33552 | 33552 | 1.00 | 3.44 | 32688 | 32688 | 1.00 | 3.66 |
| 86 | 64 | 36972 | 35345 | 0.96 | 3.20 | 36468 | 34863 | 0.96 | 3.34 | 35748 | 34175 | 0.96 | 3.52 | 34812 | 33280 | 0.96 | 3.74 |
| 86 | 68 | 39276 | 32835 | 0.84 | 3.28 | 38736 | 32383 | 0.84 | 3.41 | 38016 | 31781 | 0.84 | 3.59 | 37008 | 30939 | 0.84 | 3.81 |
| 86 | 72 | 41580 | 29771 | 0.72 | 3.35 | 41076 | 29410 | 0.72 | 3.49 | 40284 | 28843 | 0.72 | 3.66 | 39240 | 28096 | 0.72 | 3.88 |
| 90 | 61 | 34740 | 34740 | 1.00 | 3.12 | 34236 | 34236 | 1.00 | 3.26 | 33552 | 33552 | 1.00 | 3.44 | 32688 | 32688 | 1.00 | 3.66 |
| 90 | 64 | 36972 | 36972 | 1.00 | 3.20 | 36468 | 36468 | 1.00 | 3.34 | 35748 | 35748 | 1.00 | 3.52 | 34812 | 34812 | 1.00 | 3.74 |
| 90 | 68 | 39276 | 35977 | 0.92 | 3.28 | 38736 | 35482 | 0.92 | 3.41 | 38016 | 34823 | 0.92 | 3.59 | 37008 | 33899 | 0.92 | 3.81 |
| 90 | 72 | 41580 | 33098 | 0.80 | 3.35 | 41076 | 32696 | 0.80 | 3.49 | 40284 | 32066 | 0.80 | 3.66 | 39240 | 31235 | 0.80 | 3.88 |

MULTI-POSITION AIR HANDLER PERFORMANCE DATA

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
 P.C. :Power consumption (kW) SHF :Sensible heat factor

75F / 50% RH = 63F WB

COOLING operation at Rated frequency**SVZ-KP36NA / SUZ-KA36NAHZ**

CAPACITY : 36000(Btu/h) INPUT :3.76(kW) SHF :0.74

| | | OUTDOOR DB(°F) | | | | | | | |
|------------------|------------------|----------------|-------|------|------|-------|-------|------|------|
| INDOOR DB(°F) | INDOOR WB(°F) | 104 | | | | 115 | | | |
| | | CA | SHC | SHF | P.C. | CA | SHC | SHF | P.C. |
| 68 | 61 | 31572 | 20080 | 0.64 | 3.93 | 29916 | 19027 | 0.64 | 4.32 |
| 68 | 64 | 33624 | 17350 | 0.52 | 4.00 | 31860 | 16440 | 0.52 | 4.40 |
| 68 | 61 | 31572 | 21343 | 0.68 | 3.93 | 29916 | 20223 | 0.68 | 4.32 |
| 68 | 64 | 33624 | 18695 | 0.56 | 4.00 | 31860 | 17714 | 0.56 | 4.40 |
| 68 | 68 | 35748 | 15586 | 0.44 | 4.08 | 33804 | 14739 | 0.44 | 4.48 |
| 72 | 61 | 31572 | 23868 | 0.76 | 3.93 | 29916 | 22616 | 0.76 | 4.32 |
| 72 | 64 | 33624 | 21385 | 0.64 | 4.00 | 31860 | 20263 | 0.64 | 4.40 |
| 72 | 68 | 35748 | 18446 | 0.52 | 4.08 | 33804 | 17443 | 0.52 | 4.48 |
| 75 | 61 | 31572 | 26394 | 0.84 | 3.93 | 29916 | 25010 | 0.84 | 4.32 |
| 75 | 64 | 33624 | 24075 | 0.72 | 4.00 | 31860 | 22812 | 0.72 | 4.40 |
| 75 | 68 | 35748 | 21306 | 0.60 | 4.08 | 33804 | 20147 | 0.60 | 4.48 |
| 75 | 72 | 37872 | 18027 | 0.48 | 4.16 | 35748 | 17016 | 0.48 | 4.57 |
| 79 | 61 | 31572 | 28920 | 0.92 | 3.93 | 29916 | 27403 | 0.92 | 4.32 |
| 79 | 64 | 33624 | 26765 | 0.80 | 4.00 | 31860 | 25361 | 0.80 | 4.40 |
| 79 | 68 | 35748 | 24166 | 0.68 | 4.08 | 33804 | 22852 | 0.68 | 4.48 |
| 79 | 72 | 37872 | 21057 | 0.56 | 4.16 | 35748 | 19876 | 0.56 | 4.57 |
| 81 | 61 | 31572 | 30183 | 0.96 | 3.93 | 29916 | 28600 | 0.96 | 4.32 |
| 81 | 64 | 33624 | 28110 | 0.84 | 4.00 | 31860 | 26635 | 0.84 | 4.40 |
| 81 | 68 | 35748 | 25596 | 0.72 | 4.08 | 33804 | 24204 | 0.72 | 4.48 |
| 81 | 72 | 37872 | 22572 | 0.60 | 4.16 | 35748 | 21306 | 0.60 | 4.57 |
| 82 | 61 | 31572 | 31446 | 1.00 | 3.93 | 29916 | 29796 | 1.00 | 4.32 |
| 82 | 64 | 33624 | 29455 | 0.88 | 4.00 | 31860 | 27909 | 0.88 | 4.40 |
| 82 | 68 | 35748 | 27025 | 0.76 | 4.08 | 33804 | 25556 | 0.76 | 4.48 |
| 82 | 72 | 37872 | 24087 | 0.64 | 4.16 | 35748 | 22736 | 0.64 | 4.57 |
| 86 | 61 | 31572 | 31572 | 1.00 | 3.93 | 29916 | 29916 | 1.00 | 4.32 |
| 86 | 64 | 33624 | 32145 | 0.96 | 4.00 | 31860 | 30458 | 0.96 | 4.40 |
| 86 | 68 | 35748 | 29885 | 0.84 | 4.08 | 33804 | 28260 | 0.84 | 4.48 |
| 86 | 72 | 37872 | 27116 | 0.72 | 4.16 | 35748 | 25596 | 0.72 | 4.57 |
| 90 | 61 | 31572 | 31572 | 1.00 | 3.93 | 29916 | 29916 | 1.00 | 4.32 |
| 90 | 64 | 33624 | 33624 | 1.00 | 4.00 | 31860 | 31860 | 1.00 | 4.40 |
| 90 | 68 | 35748 | 32745 | 0.92 | 4.08 | 33804 | 30964 | 0.92 | 4.48 |
| 90 | 72 | 37872 | 30146 | 0.80 | 4.16 | 35748 | 28455 | 0.80 | 4.57 |

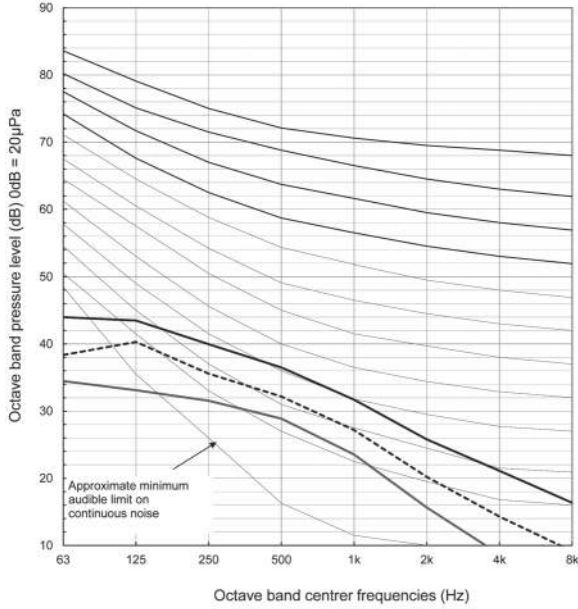
Note: CA :Capacity (Btu/h)
P.C. :Power consumption (kW)

SHC :Sensible heat capacity (Btu/h)
SHF :Sensible heat factor

SVZ-KP30NA

| Condition | A scale | LINE |
|-----------|---------|------|
| High | 38 | --- |
| Middle | 34 | --- |
| Low | 30 | --- |
| - | - | --- |

External Static Pressure : 0.3inWG. (75Pa)

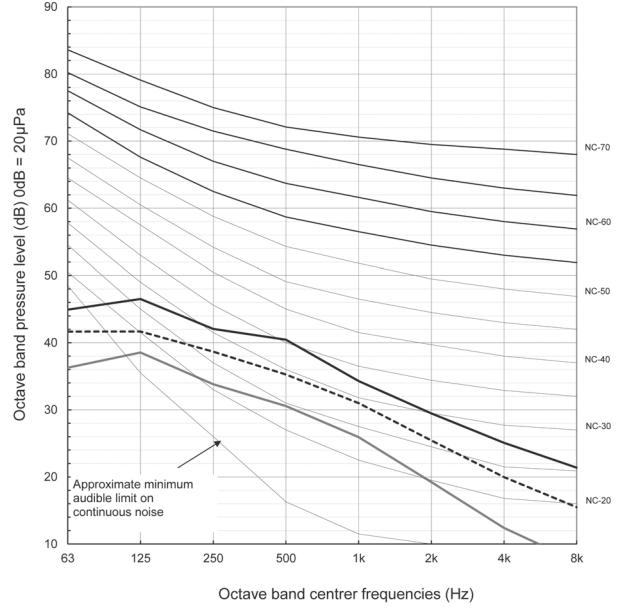


Report Number US-E2-014

SVZ-KP30NA

| Condition | A scale | LINE |
|-----------|---------|------|
| High | 41 | --- |
| Middle | 37 | --- |
| Low | 32 | --- |
| - | - | --- |

External Static Pressure : 0.5inWG. (125Pa)

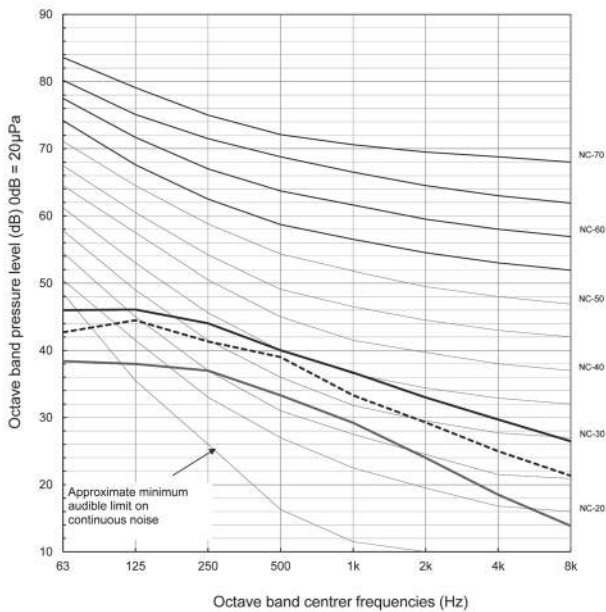


Report Number US-E2-015

SVZ-KP30NA

| Condition | A scale | LINE |
|-----------|---------|------|
| High | 43 | --- |
| Middle | 40 | --- |
| Low | 35 | --- |
| - | - | --- |

External Static Pressure : 0.8inWG. (200Pa)



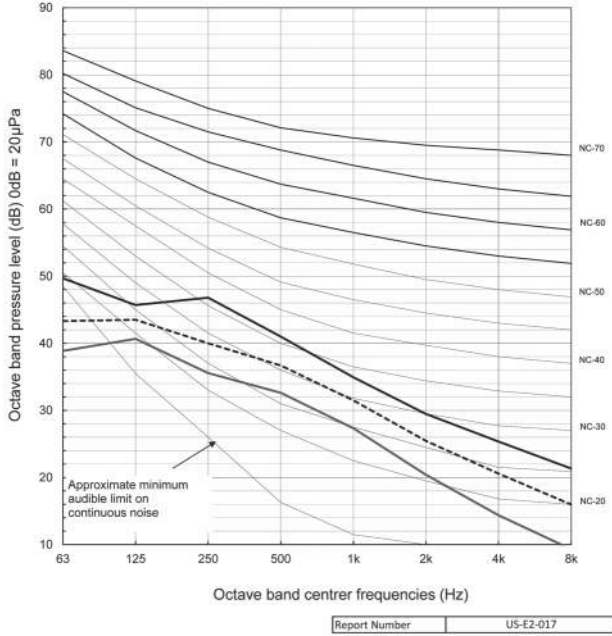
Report Number US-E2-016

MULTI-POSITION AIR HANDLER NOISE CRITERIA CURVES

SVZ-KP36NA

| Condition | A scale | LINE |
|-----------|---------|-------|
| High | 43 | --- |
| Middle | 38 | - - - |
| Low | 34 | --- |
| - | - | - - - |

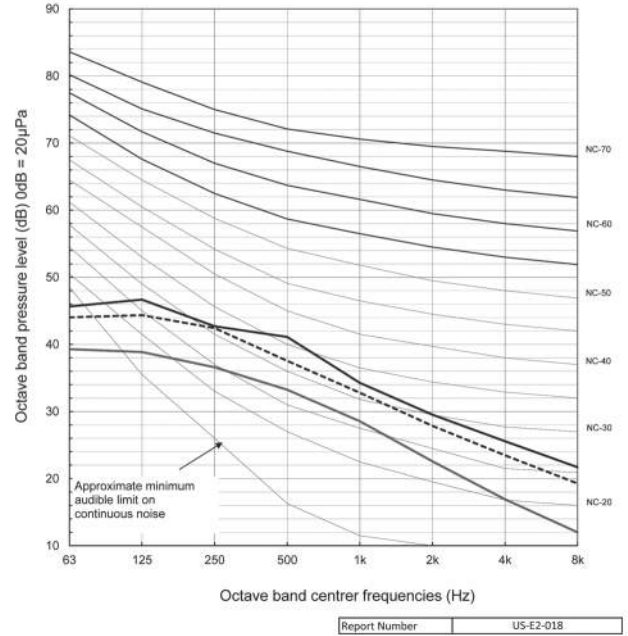
External Static Pressure : 0.3inWG. (75Pa)



SVZ-KP36NA

| Condition | A scale | LINE |
|-----------|---------|-------|
| High | 42 | --- |
| Middle | 40 | - - - |
| Low | 35 | --- |
| - | - | - - - |

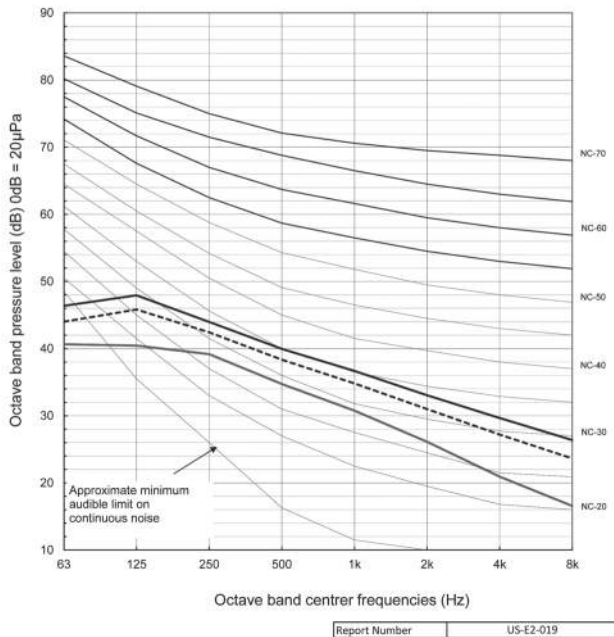
External Static Pressure : 0.5inWG. (125Pa)



SVZ-KP36NA

| Condition | A scale | LINE |
|-----------|---------|-------|
| High | 43 | --- |
| Middle | 41 | - - - |
| Low | 37 | --- |
| - | - | - - - |

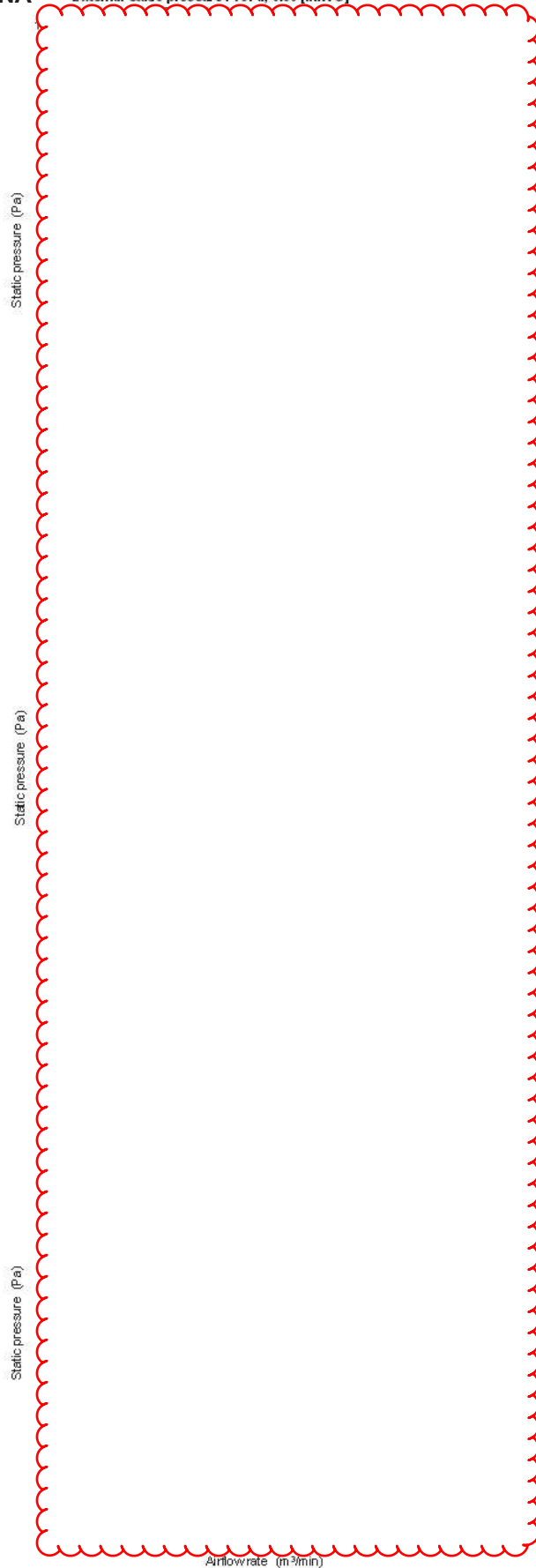
External Static Pressure : 0.8inWG. (200Pa)



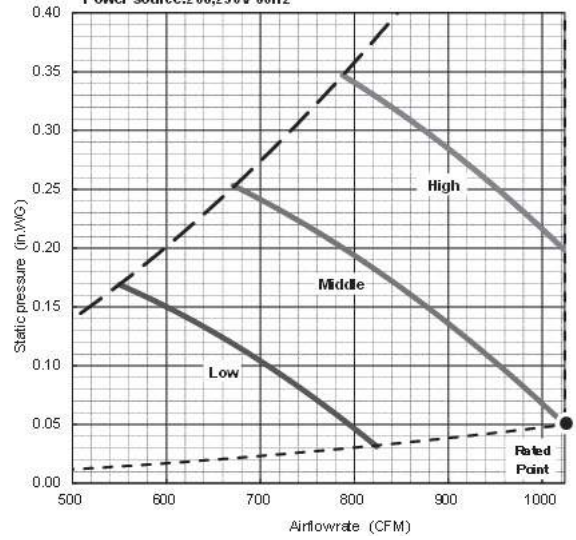
MULTI-POSITION AIR HANDLER NOISE CRITERIA CURVES

SVZ-KP30NA

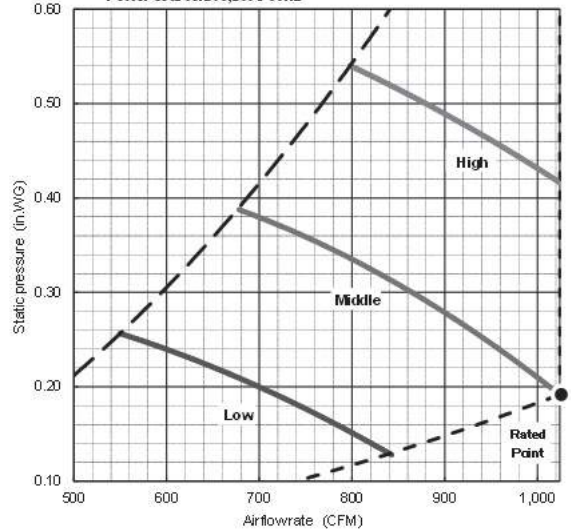
SVZ-KP30NA Exclude down flow position
External static pressure : 75Pa, 0.30 [in.WG]



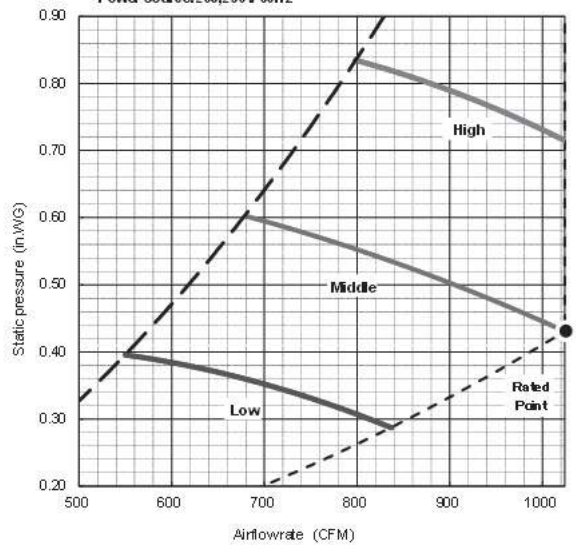
SVZ-KP30NA Exclude down flow position
External static pressure : 75Pa, 0.30 [in.WG]
Power source:208,230V 60Hz



SVZ-KP30NA Exclude down flow position
External static pressure : 125Pa, 0.50 [in.WG]
Power source:208,230V 60Hz



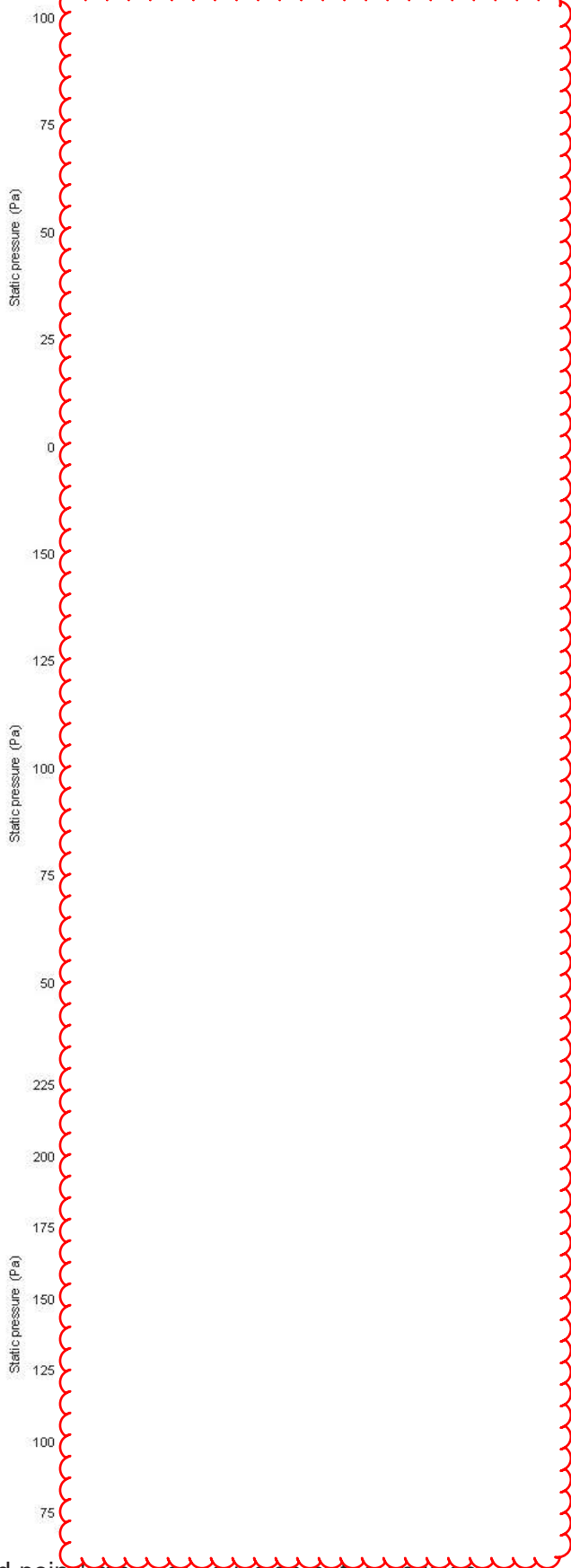
SVZ-KP30NA Exclude down flow position
External static pressure : 200Pa, 0.80 [in.WG]
Power source:208,230V 60Hz



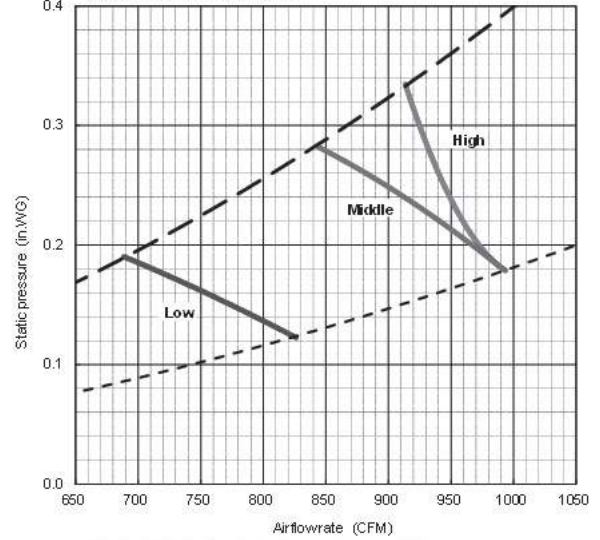
MULTI-POSITION AIRHANDLER FAN PERFORMANCE

For downflow installations, please see downflow kit manuals.

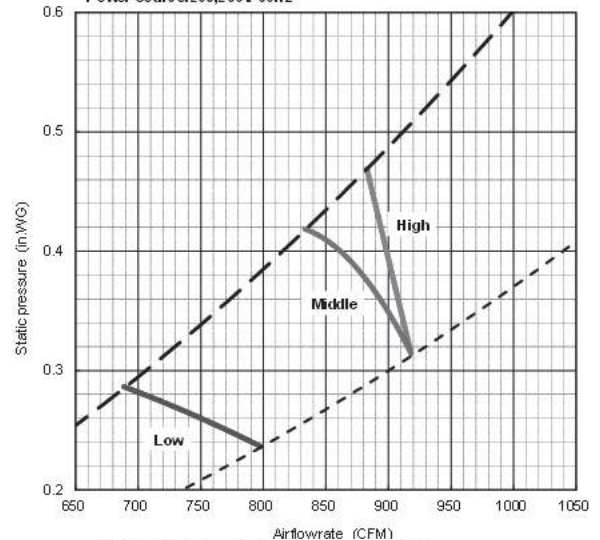
SVZ-KP36NA SVZ-KP36NA Exclude down flow position
 External static pressure : 75Pa, 0.30 [in.WG]



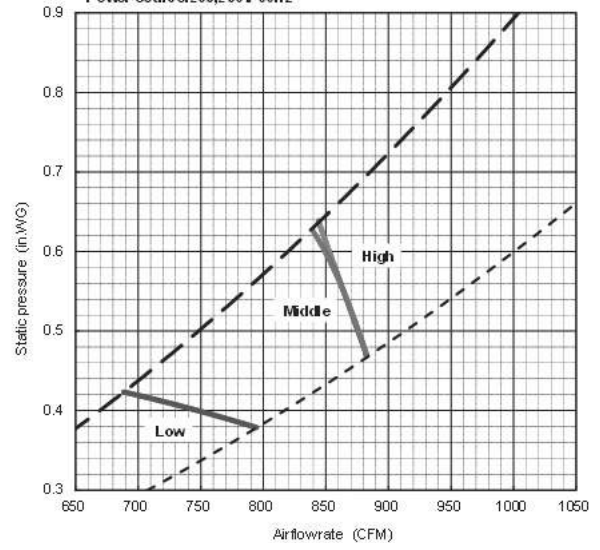
SVZ-KP36NA Exclude down flow position
 External static pressure : 75Pa, 0.30 [in.WG]
 Power source: 208, 230V 60Hz



SVZ-KP36NA Exclude down flow position
 External static pressure : 125Pa, 0.50 [in.WG]
 Power source: 208, 230V 60Hz



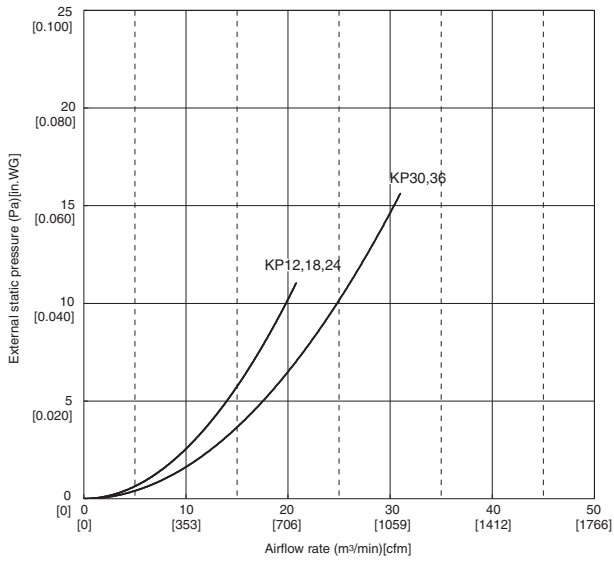
SVZ-KP36NA Exclude down flow position
 External static pressure : 200Pa, 0.80 [in.WG]
 Power source: 208, 230V 60Hz



MULTI-POSITION AIR HANDLER
 FAN PERFORMANCE

*. "Rated point" may not be inside of the envelope.
 For downflow installations, please see downflow kit manuals.

SVZ-KP12, 18, 24, 30, 36NA
Air filter 208-230V 60Hz



MULTI-
POSITION
AIR HANDLER
FAN PERFORMANCE

For downflow installations, please see downflow kit manuals.

SVZ-KP30NA
SUZ-KA30NAHZ

1) COOLING

Rated
Q(Btu/h): 27,000
W: 2,100

| Indoor W.B. Outdoor D.B. (°F) (°C) | 71°F / 21.7°C | | | | | | | 67°F / 19.4°C | | | | | 63°F / 17.2°C | | | | | | |
|--|---------------|--------|--------|--------|-----|--------|--|---------------|--------|--------|--------|-----|---------------|--------|--------|--------|--------|-----|--------|
| | Max | Rated | 75% | 50% | 25% | Min | | Max | Rated | 75% | 50% | 25% | Min | Max | Rated | 75% | 50% | 25% | Min |
| 115 46.1 Q(Btu/h) | 27,216 | 27,216 | 20,412 | 13,608 | - | 13,507 | | 25,110 | 25,110 | 18,833 | 12,555 | - | 12,462 | 23,571 | 23,571 | 17,678 | 11,786 | - | 11,698 |
| W | 2,562 | 2,562 | 1,922 | 1,281 | - | 1,086 | | 2,478 | 2,478 | 1,859 | 1,239 | - | 1,050 | 2,415 | 2,415 | 1,811 | 1,208 | - | 1,024 |
| 110 43.3 Q(Btu/h) | 28,593 | 28,593 | 21,445 | 14,297 | - | 14,191 | | 26,487 | 26,487 | 19,865 | 13,244 | - | 13,145 | 24,948 | 24,948 | 18,711 | 12,474 | - | 12,382 |
| W | 2,432 | 2,432 | 1,824 | 1,216 | - | 1,031 | | 2,348 | 2,348 | 1,761 | 1,174 | - | 995 | 2,285 | 2,285 | 1,714 | 1,142 | - | 968 |
| 105 40.6 Q(Btu/h) | 29,187 | 29,187 | 21,890 | 14,594 | - | 14,485 | | 27,081 | 27,081 | 20,311 | 13,541 | - | 13,440 | 25,542 | 25,542 | 19,157 | 12,771 | - | 12,676 |
| W | 2,350 | 2,350 | 1,762 | 1,175 | - | 996 | | 2,266 | 2,266 | 1,699 | 1,133 | - | 960 | 2,203 | 2,203 | 1,652 | 1,101 | - | 934 |
| 100 37.8 Q(Btu/h) | 29,970 | 29,970 | 22,478 | 14,985 | - | 14,874 | | 27,864 | 27,864 | 20,898 | 13,932 | - | 13,829 | 26,325 | 26,325 | 19,744 | 13,163 | - | 13,065 |
| W | 2,237 | 2,237 | 1,677 | 1,118 | - | 948 | | 2,153 | 2,153 | 1,614 | 1,076 | - | 912 | 2,090 | 2,090 | 1,567 | 1,045 | - | 886 |
| 95 35.0 Q(Btu/h) | 30,618 | 30,618 | 22,964 | 15,309 | - | 15,196 | | 28,512 | 28,512 | 21,384 | 14,256 | - | 14,150 | 26,973 | 26,973 | 20,230 | 13,487 | - | 13,387 |
| W | 2,146 | 2,146 | 1,610 | 1,073 | - | 910 | | 2,062 | 2,062 | 1,547 | 1,031 | - | 874 | 1,999 | 1,999 | 1,499 | 1,000 | - | 847 |
| 90 32.2 Q(Btu/h) | 31,050 | 31,050 | 23,288 | 15,525 | - | 15,410 | | 28,944 | 28,944 | 21,708 | 14,472 | - | 14,365 | 27,405 | 27,405 | 20,554 | 13,703 | - | 13,601 |
| W | 2,079 | 2,079 | 1,559 | 1,040 | - | 881 | | 1,995 | 1,995 | 1,496 | 998 | - | 846 | 1,932 | 1,932 | 1,449 | 966 | - | 819 |
| 85 29.4 Q(Btu/h) | 31,374 | 31,374 | 23,531 | 15,687 | - | 15,571 | | 29,268 | 29,268 | 21,951 | 14,634 | - | 14,526 | 27,729 | 27,729 | 20,797 | 13,865 | - | 13,762 |
| W | 2,016 | 2,016 | 1,512 | 1,008 | - | 854 | | 1,932 | 1,932 | 1,449 | 966 | - | 819 | 1,869 | 1,869 | 1,402 | 935 | - | 792 |
| 80 26.7 Q(Btu/h) | 31,860 | 31,860 | 23,895 | 15,930 | - | 15,812 | | 29,754 | 29,754 | 22,316 | 14,877 | - | 14,767 | 28,215 | 28,215 | 21,161 | 14,108 | - | 14,003 |
| W | 1,949 | 1,949 | 1,462 | 974 | - | 826 | | 1,865 | 1,865 | 1,399 | 932 | - | 790 | 1,802 | 1,802 | 1,351 | 901 | - | 764 |
| 75 23.9 Q(Btu/h) | 32,211 | 32,211 | 24,158 | 16,106 | - | 15,986 | | 30,105 | 30,105 | 22,579 | 15,053 | - | 14,941 | 28,566 | 28,566 | 21,425 | 14,283 | - | 14,177 |
| W | 1,890 | 1,890 | 1,418 | 945 | - | 801 | | 1,806 | 1,806 | 1,355 | 903 | - | 765 | 1,743 | 1,743 | 1,307 | 872 | - | 739 |
| 70 21.1 Q(Btu/h) | 32,400 | 32,400 | 24,300 | 16,200 | - | 16,080 | | 30,294 | 30,294 | 22,721 | 15,147 | - | 15,035 | 28,755 | 28,755 | 21,566 | 14,378 | - | 14,271 |
| W | 1,844 | 1,844 | 1,383 | 922 | - | 781 | | 1,760 | 1,760 | 1,320 | 880 | - | 746 | 1,697 | 1,697 | 1,273 | 848 | - | 719 |
| 67 19.4 Q(Btu/h) | 32,616 | 32,616 | 24,462 | 16,308 | - | 16,187 | | 30,510 | 30,510 | 22,883 | 15,255 | - | 15,142 | 28,971 | 28,971 | 21,728 | 14,486 | - | 14,378 |
| W | 1,810 | 1,810 | 1,358 | 905 | - | 767 | | 1,726 | 1,726 | 1,295 | 863 | - | 732 | 1,663 | 1,663 | 1,247 | 832 | - | 705 |

* It may not reach the above capacities in low ambient temperatures.

MULTI-POSITION AIR HANDLER PART LOAD CAPACITY CHART

SVZ-KP30NA
SUZ-KA30NAHZ
2) HEATING

Rated
 Q(Btu/h): 32,000
 W: 2,400

| Indoor D.B. | | 77°F / 25.0°C | | | | | | 68°F / 20.0°C | | | | | | 59°F / 15.0°C | | | | | | |
|--------------|-------|---------------|--------|--------|--------|--------|-----|---------------|--------|--------|--------|--------|-----|---------------|--------|--------|--------|--------|-----|--------|
| Outdoor W.B. | | Max | Rated | 75% | 50% | 25% | Min | Max | Rated | 75% | 50% | 25% | Min | Max | Rated | 75% | 50% | 25% | Min | |
| (°F) | (°C) | | | | | | | | | | | | | | | | | | | |
| 65 | 18.3 | Q(Btu/h) | 43,394 | 40,842 | 30,631 | 20,421 | - | 16,592 | 44,652 | 42,026 | 31,519 | 21,013 | - | 17,073 | 46,080 | 43,370 | 32,527 | 21,685 | - | 17,619 |
| | | W | 3,773 | 3,144 | 2,358 | 1,572 | - | 1,061 | 3,514 | 2,952 | 2,214 | 1,476 | - | 996 | 3,312 | 2,760 | 2,070 | 1,380 | - | 932 |
| 60 | 15.6 | Q(Btu/h) | 40,970 | 38,560 | 28,920 | 19,280 | - | 15,665 | 42,228 | 39,744 | 29,808 | 19,872 | - | 16,146 | 43,656 | 41,088 | 30,816 | 20,544 | - | 16,692 |
| | | W | 3,629 | 3,024 | 2,268 | 1,512 | - | 1,021 | 3,370 | 2,832 | 2,124 | 1,416 | - | 956 | 3,168 | 2,640 | 1,980 | 1,320 | - | 891 |
| 55 | 12.8 | Q(Btu/h) | 38,250 | 36,000 | 27,000 | 18,000 | - | 14,625 | 39,508 | 37,184 | 27,888 | 18,592 | - | 15,106 | 40,936 | 38,528 | 28,896 | 19,264 | - | 15,652 |
| | | W | 3,485 | 2,928 | 2,196 | 1,464 | - | 988 | 3,226 | 2,736 | 2,052 | 1,368 | - | 923 | 3,024 | 2,544 | 1,908 | 1,272 | - | 859 |
| 50 | 10.0 | Q(Btu/h) | 35,972 | 33,856 | 25,392 | 16,928 | - | 13,754 | 37,230 | 35,040 | 26,280 | 17,520 | - | 14,235 | 38,658 | 36,384 | 27,288 | 18,192 | - | 14,781 |
| | | W | 3,341 | 2,796 | 2,097 | 1,398 | - | 944 | 3,082 | 2,604 | 1,953 | 1,302 | - | 879 | 2,880 | 2,412 | 1,809 | 1,206 | - | 814 |
| 45 | 7.2 | Q(Btu/h) | 31,520 | 31,360 | 23,520 | 15,680 | - | 12,740 | 32,800 | 32,544 | 24,408 | 16,272 | - | 13,221 | 34,080 | 33,888 | 25,416 | 16,944 | - | 13,767 |
| | | W | 3,197 | 2,640 | 1,980 | 1,320 | - | 891 | 2,938 | 2,448 | 1,836 | 1,224 | - | 826 | 2,736 | 2,256 | 1,692 | 1,128 | - | 761 |
| 40 | 4.4 | Q(Btu/h) | 30,720 | 26,240 | 19,680 | 13,120 | - | 10,660 | 32,000 | 27,424 | 20,568 | 13,712 | - | 11,141 | 33,280 | 28,768 | 21,576 | 14,384 | - | 11,687 |
| | | W | 3,110 | 2,424 | 1,818 | 1,212 | - | 818 | 2,851 | 2,280 | 1,710 | 1,140 | - | 770 | 2,650 | 2,112 | 1,584 | 1,056 | - | 713 |
| 35 | 1.7 | Q(Btu/h) | 30,720 | 22,720 | 17,040 | 11,360 | - | 9,230 | 32,000 | 25,280 | 18,960 | 12,640 | - | 10,270 | 33,280 | 26,880 | 20,160 | 13,440 | - | 10,920 |
| | | W | 2,925 | 2,285 | 1,714 | 1,142 | - | 771 | 2,790 | 2,141 | 1,606 | 1,070 | - | 723 | 2,610 | 1,973 | 1,480 | 986 | - | 666 |
| 30 | -1.1 | Q(Btu/h) | 30,720 | 21,760 | 16,320 | 10,880 | - | 8,840 | 32,000 | 22,912 | 17,184 | 11,456 | - | 9,308 | 33,280 | 23,872 | 17,904 | 11,936 | - | 9,698 |
| | | W | 3,443 | 2,083 | 1,562 | 1,042 | - | 703 | 3,308 | 1,939 | 1,454 | 970 | - | 654 | 3,128 | 1,771 | 1,328 | 886 | - | 598 |
| 25 | -3.9 | Q(Btu/h) | 30,720 | 20,800 | 15,600 | 10,400 | - | 8,450 | 32,000 | 21,952 | 16,464 | 10,976 | - | 8,918 | 33,280 | 22,912 | 17,184 | 11,456 | - | 9,308 |
| | | W | 3,735 | 1,812 | 1,359 | 906 | - | 612 | 3,600 | 1,668 | 1,251 | 834 | - | 563 | 3,420 | 1,500 | 1,125 | 750 | - | 506 |
| 20 | -6.7 | Q(Btu/h) | 30,720 | 19,840 | 14,880 | 9,920 | - | 8,060 | 32,000 | 20,992 | 15,744 | 10,496 | - | 8,528 | 33,280 | 21,952 | 16,464 | 10,976 | - | 8,918 |
| | | W | 3,938 | 1,776 | 1,332 | 888 | - | 599 | 3,803 | 1,632 | 1,224 | 816 | - | 551 | 3,623 | 1,464 | 1,098 | 732 | - | 494 |
| 15 | -9.4 | Q(Btu/h) | 30,720 | 19,360 | 14,520 | 9,680 | - | 7,865 | 32,000 | 20,512 | 15,384 | 10,256 | - | 8,333 | 33,280 | 21,472 | 16,104 | 10,736 | - | 8,723 |
| | | W | 4,118 | 1,692 | 1,269 | 846 | - | 571 | 3,983 | 1,548 | 1,161 | 774 | - | 522 | 3,803 | 1,380 | 1,035 | 690 | - | 466 |
| 10 | -12.2 | Q(Btu/h) | 30,720 | 18,624 | 13,968 | 9,312 | - | 7,566 | 32,000 | 19,776 | 14,832 | 9,888 | - | 8,034 | 33,280 | 20,736 | 15,552 | 10,368 | - | 8,424 |
| | | W | 4,230 | 1,565 | 1,174 | 782 | - | 528 | 4,095 | 1,421 | 1,066 | 710 | - | 480 | 3,915 | 1,253 | 940 | 626 | - | 423 |
| 5 | -15.0 | Q(Btu/h) | 30,720 | 18,224 | 13,668 | 9,112 | - | 7,404 | 32,000 | 19,376 | 14,532 | 9,688 | - | 7,872 | 33,280 | 20,336 | 15,252 | 10,168 | - | 8,262 |
| | | W | 4,320 | 1,559 | 1,169 | 780 | - | 526 | 4,185 | 1,415 | 1,061 | 708 | - | 478 | 4,005 | 1,247 | 935 | 624 | - | 421 |
| 0 | -17.8 | Q(Btu/h) | 28,960 | 17,920 | 13,440 | 8,960 | - | 7,280 | 30,240 | 19,072 | 14,304 | 9,536 | - | 7,748 | 31,520 | 20,032 | 15,024 | 10,016 | - | 8,138 |
| | | W | 4,365 | 1,563 | 1,172 | 781 | - | 527 | 4,230 | 1,419 | 1,064 | 709 | - | 479 | 4,050 | 1,251 | 938 | 625 | - | 422 |
| -4 | -20.0 | Q(Btu/h) | 27,488 | 17,728 | 13,296 | 8,864 | - | 7,202 | 28,768 | 18,880 | 14,160 | 9,440 | - | 7,670 | 30,048 | 19,840 | 14,880 | 9,920 | - | 8,060 |
| | | W | 4,388 | 1,547 | 1,160 | 774 | - | 522 | 4,253 | 1,403 | 1,052 | 702 | - | 474 | 4,073 | 1,235 | 926 | 618 | - | 417 |
| -13 | -25.0 | Q(Btu/h) | 24,320 | 17,561 | 13,171 | 8,780 | - | 7,134 | 25,600 | 18,713 | 14,035 | 9,356 | - | 7,602 | 26,880 | 19,673 | 14,755 | 9,836 | - | 7,992 |
| | | W | 4,410 | 1,523 | 1,142 | 761 | - | 514 | 4,275 | 1,379 | 1,034 | 689 | - | 465 | 4,095 | 1,211 | 908 | 605 | - | 409 |

* Above data is for heating operation without any frost.

MULTI-POSITION AIR HANDLER PART LOAD CAPACITY CHART

SVZ-KP36NA
SUZ-KA36NAHZ

1) COOLING

Rated
Q(Btu/h): 36,000
W: 3,760

| Indoor W.B. Outdoor D.B. (°F) (°C) | 71°F / 21.7°C | | | | | | | 67°F / 19.4°C | | | | | | 63°F / 17.2°C | | | | | |
|--|---------------|--------|--------|--------|--------|-----|--------|---------------|--------|--------|--------|-----|--------|---------------|--------|--------|--------|-----|--------|
| | Max | Rated | 75% | 50% | 25% | Min | | Max | Rated | 75% | 50% | 25% | Min | Max | Rated | 75% | 50% | 25% | Min |
| 115 46.1 | Q(Btu/h) | 36,288 | 36,288 | 27,216 | 18,144 | - | 14,314 | 33,480 | 33,480 | 25,110 | 16,740 | - | 13,206 | 31,428 | 31,428 | 23,571 | 15,714 | - | 12,397 |
| | W | 4,587 | 4,587 | 3,440 | 2,294 | - | 1,159 | 4,437 | 4,437 | 3,328 | 2,218 | - | 1,121 | 4,324 | 4,324 | 3,243 | 2,162 | - | 1,093 |
| 110 43.3 | Q(Btu/h) | 38,124 | 38,124 | 28,593 | 19,062 | - | 15,038 | 35,316 | 35,316 | 26,487 | 17,658 | - | 13,930 | 33,264 | 33,264 | 24,948 | 16,632 | - | 13,121 |
| | W | 4,354 | 4,354 | 3,266 | 2,177 | - | 1,100 | 4,204 | 4,204 | 3,153 | 2,102 | - | 1,062 | 4,091 | 4,091 | 3,068 | 2,045 | - | 1,034 |
| 105 40.6 | Q(Btu/h) | 38,916 | 38,916 | 29,187 | 19,458 | - | 15,350 | 36,108 | 36,108 | 27,081 | 18,054 | - | 14,243 | 34,056 | 34,056 | 25,542 | 17,028 | - | 13,433 |
| | W | 4,207 | 4,207 | 3,156 | 2,104 | - | 1,063 | 4,057 | 4,057 | 3,043 | 2,029 | - | 1,025 | 3,944 | 3,944 | 2,958 | 1,972 | - | 997 |
| 100 37.8 | Q(Btu/h) | 39,960 | 39,960 | 29,970 | 19,980 | - | 15,762 | 37,152 | 37,152 | 27,864 | 18,576 | - | 14,654 | 35,100 | 35,100 | 26,325 | 17,550 | - | 13,845 |
| | W | 4,004 | 4,004 | 3,003 | 2,002 | - | 1,012 | 3,854 | 3,854 | 2,891 | 1,927 | - | 974 | 3,741 | 3,741 | 2,806 | 1,871 | - | 945 |
| 95 35.0 | Q(Btu/h) | 40,824 | 40,824 | 30,618 | 20,412 | - | 16,103 | 38,016 | 38,016 | 28,512 | 19,008 | - | 14,995 | 35,964 | 35,964 | 26,973 | 17,982 | - | 14,186 |
| | W | 3,843 | 3,843 | 2,882 | 1,921 | - | 971 | 3,692 | 3,692 | 2,769 | 1,846 | - | 933 | 3,580 | 3,580 | 2,685 | 1,790 | - | 904 |
| 90 32.2 | Q(Btu/h) | 41,400 | 41,400 | 31,050 | 20,700 | - | 16,330 | 38,592 | 38,592 | 28,944 | 19,296 | - | 15,222 | 36,540 | 36,540 | 27,405 | 18,270 | - | 14,413 |
| | W | 3,722 | 3,722 | 2,792 | 1,861 | - | 941 | 3,572 | 3,572 | 2,679 | 1,786 | - | 903 | 3,459 | 3,459 | 2,594 | 1,730 | - | 874 |
| 85 29.4 | Q(Btu/h) | 41,832 | 41,832 | 31,374 | 20,916 | - | 16,500 | 39,024 | 39,024 | 29,268 | 19,512 | - | 15,393 | 36,972 | 36,972 | 27,729 | 18,486 | - | 14,583 |
| | W | 3,610 | 3,610 | 2,707 | 1,805 | - | 912 | 3,459 | 3,459 | 2,594 | 1,730 | - | 874 | 3,346 | 3,346 | 2,510 | 1,673 | - | 846 |
| 80 26.7 | Q(Btu/h) | 42,480 | 42,480 | 31,860 | 21,240 | - | 16,756 | 39,672 | 39,672 | 29,754 | 19,836 | - | 15,648 | 37,620 | 37,620 | 28,215 | 18,810 | - | 14,839 |
| | W | 3,489 | 3,489 | 2,617 | 1,745 | - | 882 | 3,339 | 3,339 | 2,504 | 1,669 | - | 844 | 3,226 | 3,226 | 2,420 | 1,613 | - | 815 |
| 75 23.9 | Q(Btu/h) | 42,948 | 42,948 | 32,211 | 21,474 | - | 16,941 | 40,140 | 40,140 | 30,105 | 20,070 | - | 15,833 | 38,088 | 38,088 | 28,566 | 19,044 | - | 15,024 |
| | W | 3,384 | 3,384 | 2,538 | 1,692 | - | 855 | 3,234 | 3,234 | 2,425 | 1,617 | - | 817 | 3,121 | 3,121 | 2,341 | 1,560 | - | 789 |
| 70 21.1 | Q(Btu/h) | 43,200 | 43,200 | 32,400 | 21,600 | - | 17,040 | 40,392 | 40,392 | 30,294 | 20,196 | - | 15,932 | 38,340 | 38,340 | 28,755 | 19,170 | - | 15,123 |
| | W | 3,301 | 3,301 | 2,476 | 1,651 | - | 834 | 3,151 | 3,151 | 2,363 | 1,575 | - | 796 | 3,038 | 3,038 | 2,279 | 1,519 | - | 768 |
| 67 19.4 | Q(Btu/h) | 43,488 | 43,488 | 32,616 | 21,744 | - | 17,154 | 40,680 | 40,680 | 30,510 | 20,340 | - | 16,046 | 38,628 | 38,628 | 28,971 | 19,314 | - | 15,237 |
| | W | 3,241 | 3,241 | 2,431 | 1,621 | - | 819 | 3,091 | 3,091 | 2,318 | 1,545 | - | 781 | 2,978 | 2,978 | 2,233 | 1,489 | - | 752 |

* It may not reach the above capacities in low ambient temperatures.

MULTI-POSITION AIR HANDLER
PART LOAD CAPACITY CHART

SVZ-KP36NA
SUZ-KA36NAHZ
2) HEATING

Rated
 Q(Btu/h): 37,000
 W: 3,280

| Indoor D.B. | | 77°F / 25.0°C | | | | | | 68°F / 20.0°C | | | | | | 59°F / 15.0°C | | | | | | |
|--------------|-------|---------------|--------|--------|--------|--------|-----|---------------|--------|--------|--------|--------|-----|---------------|--------|--------|--------|--------|-----|--------|
| Outdoor W.B. | | Max | Rated | 75% | 50% | 25% | Min | Max | Rated | 75% | 50% | 25% | Min | Max | Rated | 75% | 50% | 25% | Min | |
| (°F) | (°C) | | | | | | | | | | | | | | | | | | | |
| 65 | 18.3 | Q(Btu/h) | 51,052 | 47,223 | 35,417 | 23,612 | - | 17,613 | 52,532 | 48,592 | 36,444 | 24,296 | - | 18,124 | 54,212 | 50,146 | 37,610 | 25,073 | - | 18,703 |
| | | W | 5,450 | 4,297 | 3,223 | 2,148 | - | 1,074 | 5,075 | 4,034 | 3,026 | 2,017 | - | 1,009 | 4,784 | 3,772 | 2,829 | 1,886 | - | 943 |
| 60 | 15.6 | Q(Btu/h) | 48,200 | 44,585 | 33,439 | 22,293 | - | 16,629 | 49,680 | 45,954 | 34,466 | 22,977 | - | 17,140 | 51,360 | 47,508 | 35,631 | 23,754 | - | 17,719 |
| | | W | 5,242 | 4,133 | 3,100 | 2,066 | - | 1,033 | 4,867 | 3,870 | 2,903 | 1,935 | - | 968 | 4,576 | 3,608 | 2,706 | 1,804 | - | 902 |
| 55 | 12.8 | Q(Btu/h) | 45,000 | 41,625 | 31,219 | 20,813 | - | 15,525 | 46,480 | 42,994 | 32,246 | 21,497 | - | 16,036 | 48,160 | 44,548 | 33,411 | 22,274 | - | 16,615 |
| | | W | 5,034 | 4,002 | 3,001 | 2,001 | - | 1,000 | 4,659 | 3,739 | 2,804 | 1,870 | - | 935 | 4,368 | 3,477 | 2,608 | 1,738 | - | 869 |
| 50 | 10.0 | Q(Btu/h) | 42,320 | 39,146 | 29,360 | 19,573 | - | 14,600 | 43,800 | 40,515 | 30,386 | 20,258 | - | 15,111 | 45,480 | 42,069 | 31,552 | 21,035 | - | 15,691 |
| | | W | 4,826 | 3,821 | 2,866 | 1,911 | - | 955 | 4,451 | 3,559 | 2,669 | 1,779 | - | 890 | 4,160 | 3,296 | 2,472 | 1,648 | - | 824 |
| 45 | 7.2 | Q(Btu/h) | 36,445 | 36,260 | 27,195 | 18,130 | - | 13,524 | 37,925 | 37,629 | 28,222 | 18,815 | - | 14,035 | 39,405 | 39,183 | 29,387 | 19,592 | - | 14,614 |
| | | W | 4,618 | 3,608 | 2,706 | 1,804 | - | 902 | 4,243 | 3,346 | 2,509 | 1,673 | - | 836 | 3,952 | 3,083 | 2,312 | 1,542 | - | 771 |
| 40 | 4.4 | Q(Btu/h) | 35,520 | 30,340 | 22,755 | 15,170 | - | 11,316 | 37,000 | 31,709 | 23,782 | 15,855 | - | 11,827 | 38,480 | 33,263 | 24,947 | 16,632 | - | 12,406 |
| | | W | 4,493 | 3,313 | 2,485 | 1,656 | - | 828 | 4,118 | 3,116 | 2,337 | 1,558 | - | 779 | 3,827 | 2,886 | 2,165 | 1,443 | - | 722 |
| 35 | 1.7 | Q(Btu/h) | 35,520 | 26,270 | 19,703 | 13,135 | - | 9,798 | 37,000 | 29,230 | 21,923 | 14,615 | - | 10,902 | 38,480 | 31,080 | 23,310 | 15,540 | - | 11,592 |
| | | W | 4,507 | 3,123 | 2,342 | 1,561 | - | 781 | 4,299 | 2,926 | 2,194 | 1,463 | - | 731 | 4,021 | 2,696 | 2,022 | 1,348 | - | 674 |
| 30 | -1.1 | Q(Btu/h) | 35,520 | 25,160 | 18,870 | 12,580 | - | 9,384 | 37,000 | 26,492 | 19,869 | 13,246 | - | 9,881 | 38,480 | 27,602 | 20,702 | 13,801 | - | 10,295 |
| | | W | 5,304 | 2,847 | 2,135 | 1,424 | - | 712 | 5,096 | 2,650 | 1,988 | 1,325 | - | 663 | 4,819 | 2,421 | 1,815 | 1,210 | - | 605 |
| 25 | -3.9 | Q(Btu/h) | 35,520 | 24,050 | 18,038 | 12,025 | - | 8,970 | 37,000 | 25,382 | 19,037 | 12,691 | - | 9,467 | 38,480 | 26,492 | 19,869 | 13,246 | - | 9,881 |
| | | W | 5,755 | 2,476 | 1,857 | 1,238 | - | 619 | 5,547 | 2,280 | 1,710 | 1,140 | - | 570 | 5,269 | 2,050 | 1,538 | 1,025 | - | 513 |
| 20 | -6.7 | Q(Btu/h) | 35,520 | 22,940 | 17,205 | 11,470 | - | 8,556 | 37,000 | 24,272 | 18,204 | 12,136 | - | 9,053 | 38,480 | 25,382 | 19,037 | 12,691 | - | 9,467 |
| | | W | 6,067 | 2,427 | 1,820 | 1,214 | - | 607 | 5,859 | 2,230 | 1,673 | 1,115 | - | 558 | 5,581 | 2,001 | 1,501 | 1,000 | - | 500 |
| 15 | -9.4 | Q(Btu/h) | 35,520 | 22,385 | 16,789 | 11,193 | - | 8,349 | 37,000 | 23,717 | 17,788 | 11,859 | - | 8,846 | 38,480 | 24,827 | 18,620 | 12,414 | - | 9,260 |
| | | W | 6,344 | 2,312 | 1,734 | 1,156 | - | 578 | 6,136 | 2,116 | 1,587 | 1,058 | - | 529 | 5,859 | 1,886 | 1,415 | 943 | - | 472 |
| 10 | -12.2 | Q(Btu/h) | 35,520 | 21,534 | 16,151 | 10,767 | - | 8,032 | 37,000 | 22,866 | 17,150 | 11,433 | - | 8,528 | 38,480 | 23,976 | 17,982 | 11,988 | - | 8,942 |
| | | W | 6,517 | 2,139 | 1,604 | 1,069 | - | 535 | 6,309 | 1,942 | 1,456 | 971 | - | 485 | 6,032 | 1,712 | 1,284 | 856 | - | 428 |
| 5 | -15.0 | Q(Btu/h) | 35,520 | 21,072 | 15,804 | 10,536 | - | 7,859 | 37,000 | 22,404 | 16,803 | 11,202 | - | 8,356 | 38,480 | 23,514 | 17,635 | 11,757 | - | 8,770 |
| | | W | 6,656 | 2,131 | 1,598 | 1,066 | - | 533 | 6,448 | 1,934 | 1,451 | 967 | - | 484 | 6,171 | 1,705 | 1,278 | 852 | - | 426 |
| 0 | -17.8 | Q(Btu/h) | 33,485 | 20,720 | 15,540 | 10,360 | - | 7,728 | 34,965 | 22,052 | 16,539 | 11,026 | - | 8,225 | 36,445 | 23,162 | 17,372 | 11,581 | - | 8,639 |
| | | W | 6,725 | 2,136 | 1,602 | 1,068 | - | 534 | 6,517 | 1,939 | 1,454 | 970 | - | 485 | 6,240 | 1,710 | 1,282 | 855 | - | 427 |
| -4 | -20.0 | Q(Btu/h) | 31,783 | 20,498 | 15,374 | 10,249 | - | 7,645 | 33,263 | 21,830 | 16,373 | 10,915 | - | 8,142 | 34,743 | 22,940 | 17,205 | 11,470 | - | 8,556 |
| | | W | 6,760 | 2,115 | 1,586 | 1,057 | - | 529 | 6,552 | 1,918 | 1,438 | 959 | - | 479 | 6,275 | 1,688 | 1,266 | 844 | - | 422 |
| -13 | -25.0 | Q(Btu/h) | 28,120 | 20,305 | 15,228 | 10,152 | - | 7,573 | 29,600 | 21,637 | 16,227 | 10,818 | - | 8,070 | 31,080 | 22,747 | 17,060 | 11,373 | - | 8,484 |
| | | W | 6,795 | 2,081 | 1,561 | 1,041 | - | 520 | 6,587 | 1,884 | 1,413 | 942 | - | 471 | 6,309 | 1,655 | 1,241 | 827 | - | 414 |

* Above data is for heating operation without any frost.

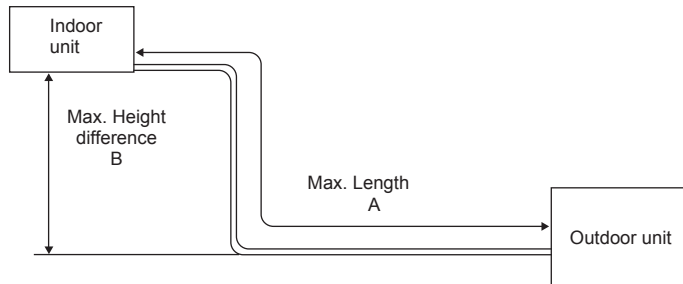
MULTI-POSITION AIR HANDLER PART LOAD CAPACITY CHART

A.8 OUTDOOR UNIT (SUZ)

| | | |
|-------|---|-------|
| A.8.1 | OUTLINES AND DIMENSIONS | A-688 |
| A.8.2 | WIRING DIAGRAM..... | A-693 |
| A.8.3 | REFRIGERANT SYSTEM DIAGRAM | A-701 |
| A.8.4 | PERFORMANCE CURVES | A-706 |
| A.8.5 | NOISE CRITERIA CURVES | A-714 |
| A.8.6 | CAPACITY CORRECTION RATIO CURVE PIPING LENGTH | A-717 |
| A.8.7 | EARTHQUAKE-PROOF STRENGTH ANALYSIS | A-721 |

MAX. REFRIGERANT PIPING LENGTH and MAX. HEIGHT DIFFERENCE

| Model | Refrigerant piping: ft | | Piping size O.D.: in | |
|--|------------------------|--------------------------|----------------------|--------|
| | Max. Length A | Max. Height difference B | Gas | Liquid |
| SUZ-KA09NA2 SUZ-KA12NA2 SUZ-KA09NAHZ SUZ-KA12NAHZ | 65 | 40 | 3/8 | 1/4 |
| SUZ-KA15NA2 SUZ-KA15NAHZ | 65 | 40 | 1/2 | 1/4 |
| SUZ-KA18NA2 SUZ-KA18NAHZ | 100 | 50 | 1/2 | 1/4 |
| SUZ-KA24NA2 SUZ-KA30NA2 SUZ-KA36NA2 | 100 | 100 | 5/8 | 3/8 |
| SUZ-KA24NAHZ SUZ-KA30NAHZ SUZ-KA36NAHZ | 100 | 100 | 5/8 | 3/8 |



ADDITIONAL REFRIGERANT CHARGE (R410A: oz)

Refrigerant piping exceeding 25 ft requires additional refrigerant charge according to the calculation.

| Model | Outdoor unit precharged | Refrigerant piping length (one way): ft | | | | | |
|---|-------------------------|---|------|------|------|------|-----|
| | | 25 | 30 | 40 | 50 | 60 | 65 |
| SUZ-KA09NA2 SUZ-KA12NA2 SUZ-KA15NA2 | 2 lb 5 oz 2 lb 9 oz | 0 | 1.08 | 2.16 | 3.24 | 4.32 | 5.4 |

Calculation: X oz = 1.08/5 oz / ft × (Refrigerant piping length (ft) - 25)

Refrigerant piping exceeding 25 ft requires additional refrigerant charge according to the calculation.

| Model | Outdoor unit precharged | Refrigerant piping length (one way): ft | | | | | | | | |
|-------------|-------------------------|---|------|------|------|------|------|-------|-------|-------|
| | | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| SUZ-KA18NA2 | 3 lb 9 oz | 0 | 1.08 | 3.24 | 5.40 | 7.56 | 9.72 | 11.88 | 14.04 | 16.20 |

Calculation: X oz = 1.08/5 oz / ft × (Refrigerant piping length (ft) - 25)

Refrigerant piping exceeding 25 ft requires additional refrigerant charge according to the calculation.

| Model | Outdoor unit precharged | Refrigerant piping length (one way): ft | | | | | | | | |
|---|-------------------------|---|------|------|-------|-------|-------|-------|-------|-------|
| | | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| SUZ-KA24NA2 SUZ-KA30NA2 SUZ-KA36NA2 | 4 lb 14 oz | 0 | 2.69 | 8.07 | 13.45 | 18.83 | 24.21 | 29.59 | 34.97 | 40.35 |

Calculation: X oz = 2.69/5 oz/ft × (Refrigerant piping length (ft) - 25)

Refrigerant piping exceeding 25 ft requires additional refrigerant charge according to the calculation.

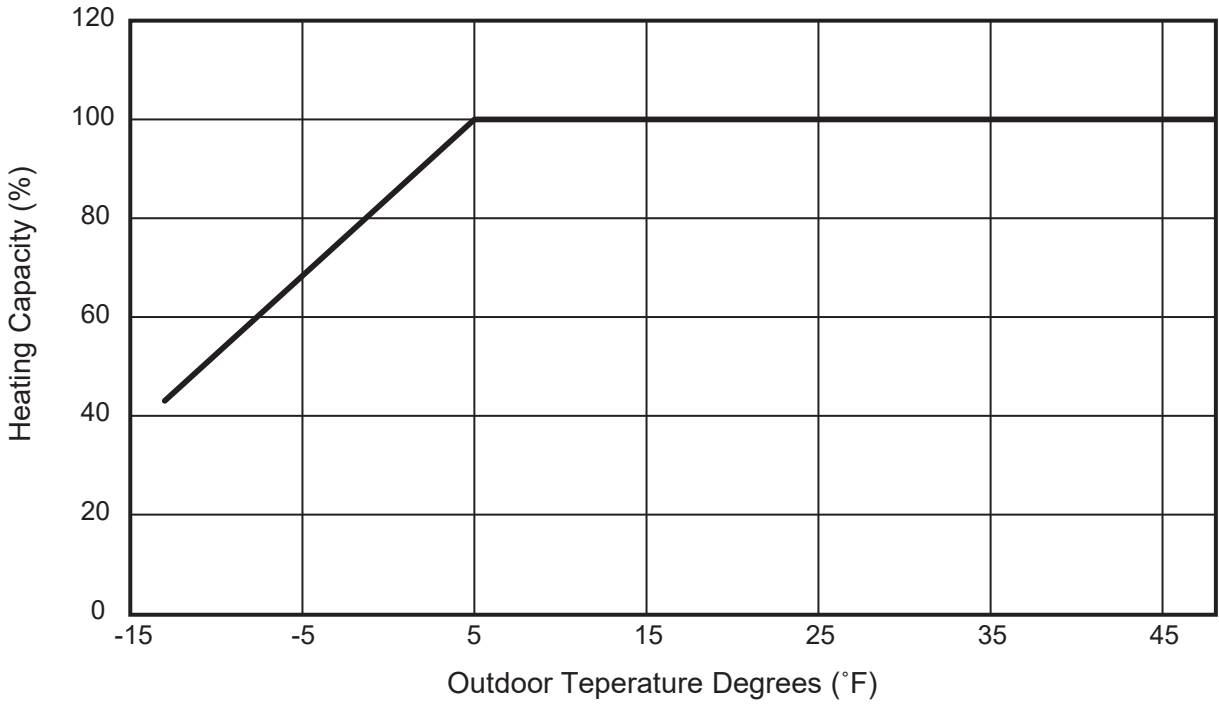
| Model | Outdoor unit precharged | Refrigerant piping length (one way): ft | | | | | | | | |
|--|-------------------------|---|----|----|----|----|----|-----|------|------|
| | | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| SUZ-KA09NAHZ SUZ-KA12NAHZ SUZ-KA15NAHZ SUZ-KA18NAHZ | 3 lb 9 oz 3 lb 12 oz | No additional refrigerant charge up to the maximum refrigerant piping length. | | | | | | | | |
| SUZ-KA24NAHZ | 7 lbs 11 oz | No additional refrigerant charge up to the maximum refrigerant piping length. | | | | | | 7.0 | 14.0 | 21.0 |
| SUZ-KA30NAHZ SUZ-KA36NAHZ | 11 lbs 7oz | No additional refrigerant charge up to the maximum refrigerant piping length. | | | | | | | | |

Calculation: X oz = 3.5/5 oz/ft × (Refrigerant piping length (ft) - 70)

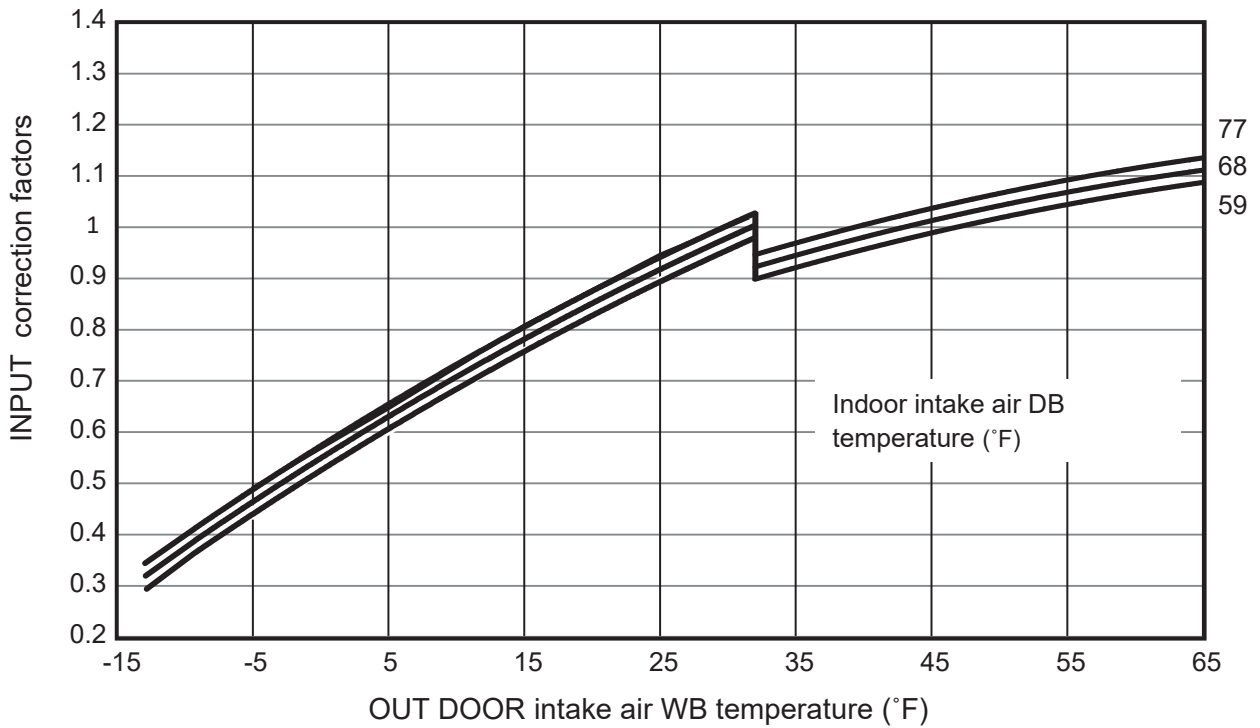
OUTDOOR UNIT REFRIGERANT SYSTEM DIAGRAM

SUZ-KA09NAHZ SUZ-KA12NAHZ SUZ-KA15NAHZ SUZ-KA18NAHZ

MAX. heating capacity



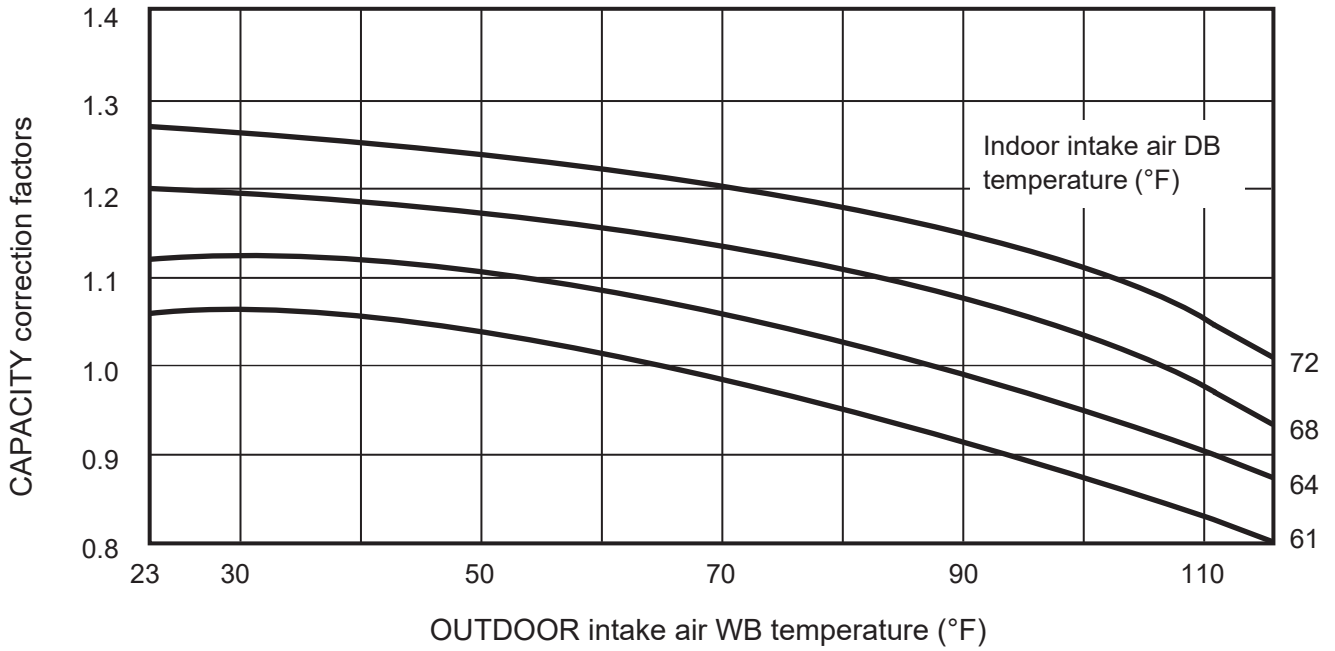
Total input (Heating)



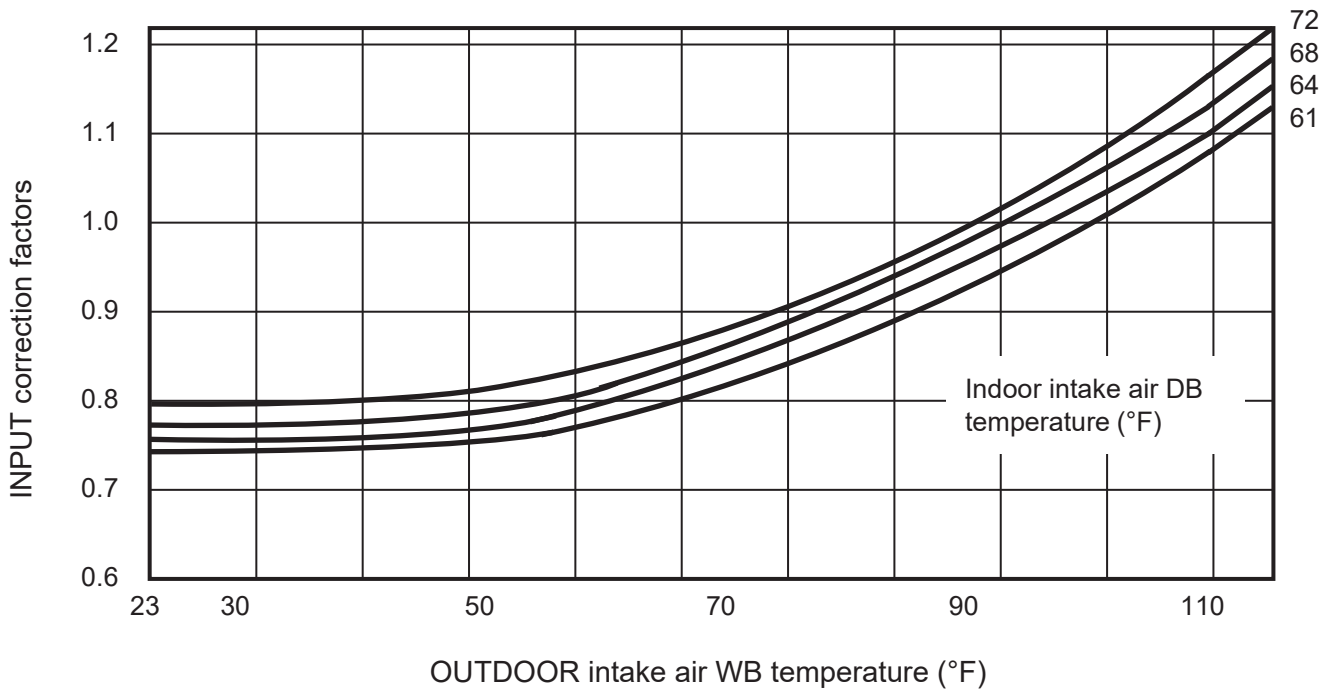
OUTDOOR UNIT
PERFORMANCE CURVES

SUZ-KA24NAHZ SUZ-KA30NAHZ SUZ-KA36NAHZ

Cooling capacity



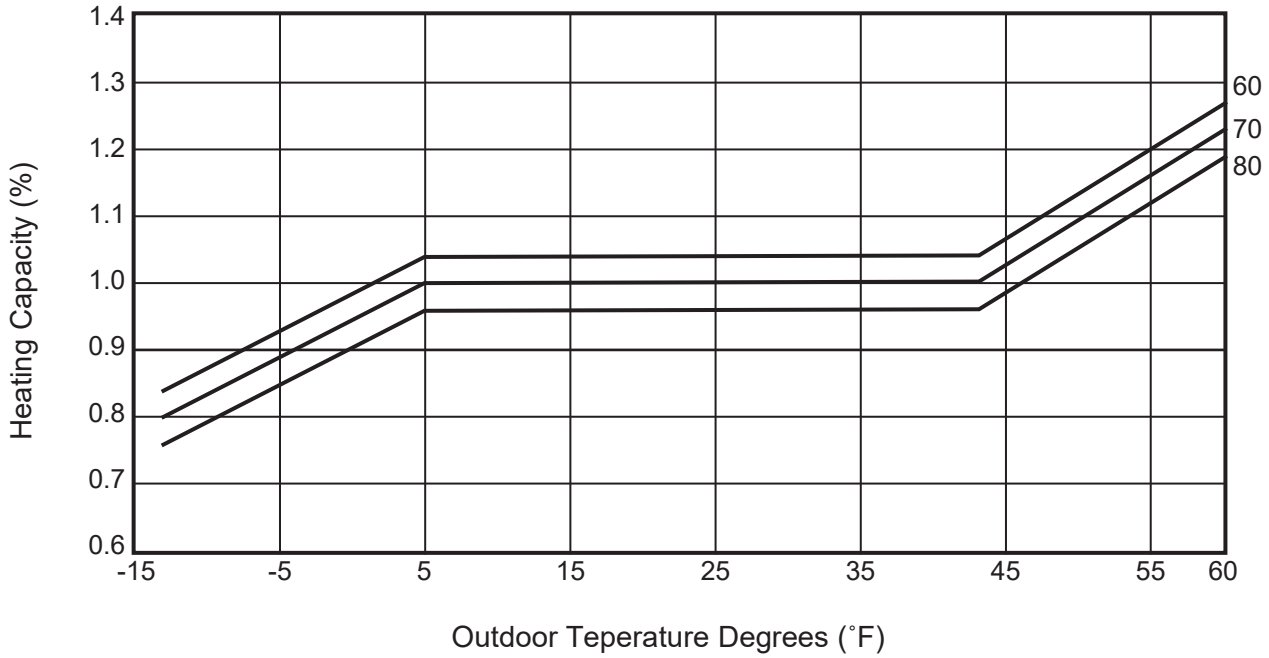
Total input (Cooling)



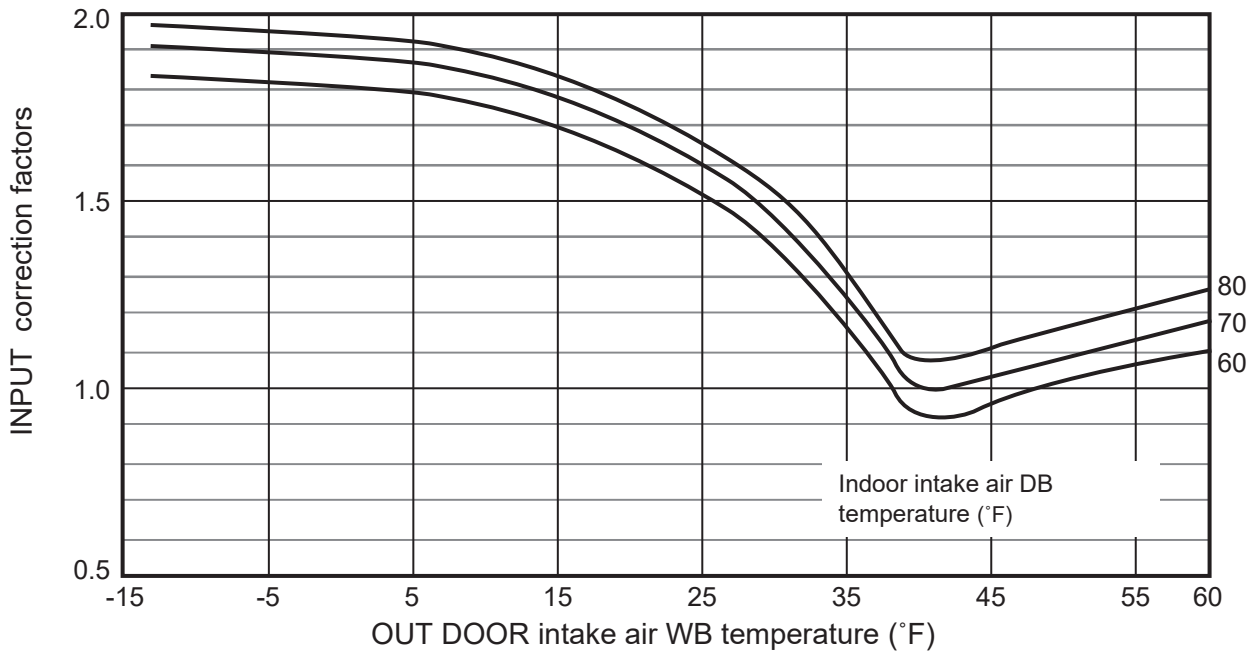
OUTDOOR UNIT PERFORMANCE CURVES

SUZ-KA24NAHZ SUZ-KA30NAHZ SUZ-KA36NAHZ

Heating capacity

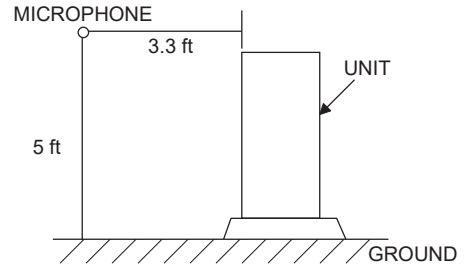


Total input (Heating)



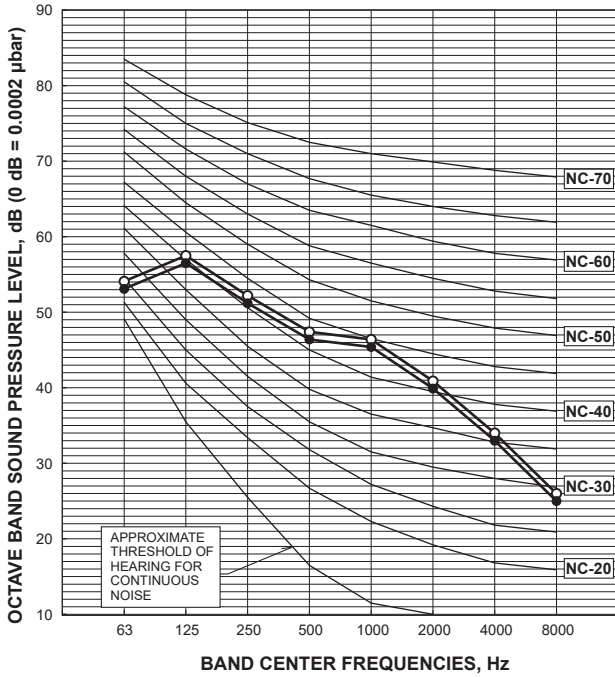
OUTDOOR UNIT
PERFORMANCE CURVES

A.8.5 NOISE CRITERIA CURVES



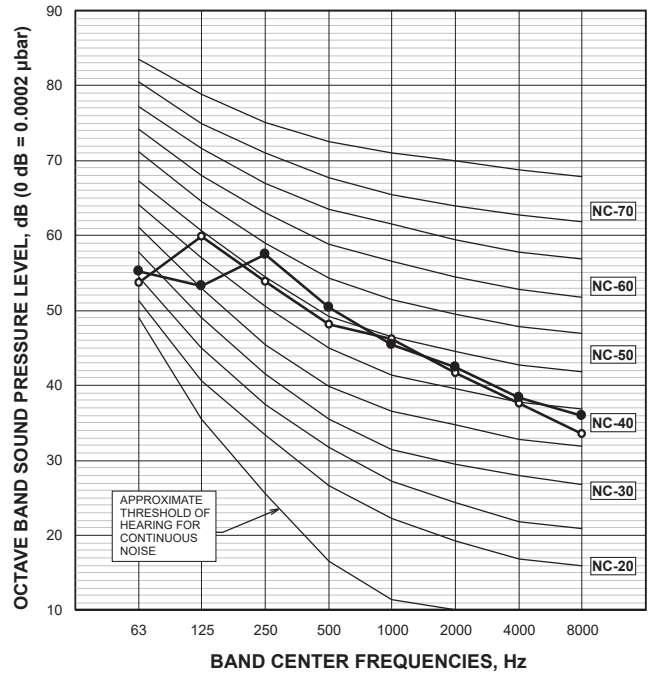
SUZ-KA24NAHZ

| MODE | SPL(dB) | LINE |
|---------|---------|------|
| COOLING | 52 | ○—○ |
| HEATING | 53 | ●—● |



SUZ-KA30NAHZ SUZ-KA36NAHZ

| MODE | SPL(dB) | LINE |
|---------|---------|------|
| COOLING | 52 | ○—○ |
| HEATING | 53 | ●—● |



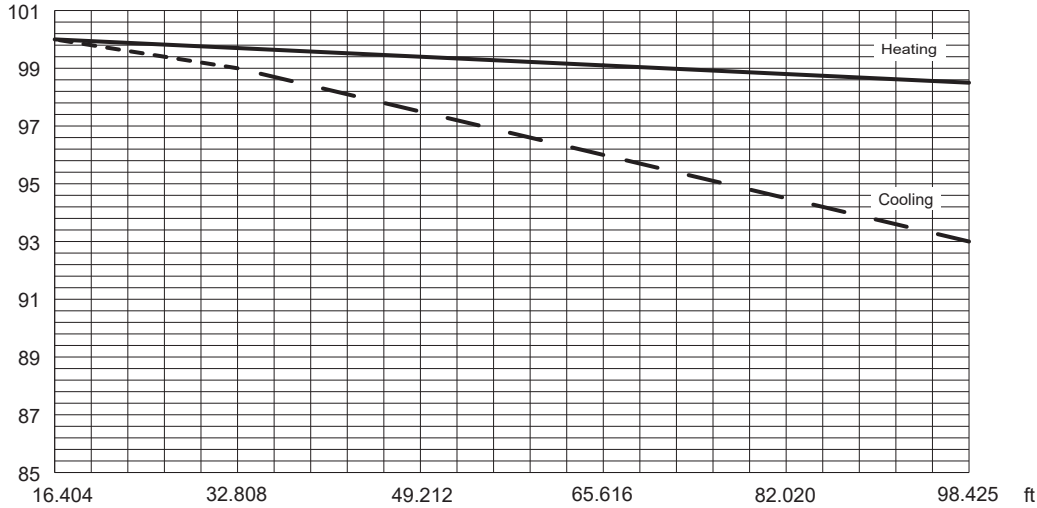
OUTDOOR UNIT NOISE CRITERIA CURVES

A.8.6 CAPACITY CORRECTION RATIO CURVE PIPING LENGTH

SUZ-KA24NAHZ

SUZ-KA30NAHZ

SUZ-KA36NAHZ



The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

$$\text{Length of refrigerant piping (ft)} + (\text{Number of bends} \times 0.984 \text{ ft}) = \text{Actual length of refrigerant piping (ft)}$$

$$[\text{Length of refrigerant piping (m)} + (\text{Number of bends} \times 0.3 \text{ m}) = \text{Actual length of refrigerant piping (m)}]$$

OUTDOOR UNIT

CAPACITY CORRECTION RATIO CURVE PIPING LENGTH