

Technical Specifications for Air Handling Unit (AHU)

| Cooling Coil Capacities (8 FPI) | | | | | | | | | | | | | |
|---------------------------------|-------|---------------|---------------|---------------------|---------------------|---------------|---------------|---------------------|---------------------|---------------|---------------|---------------------|---------------------|
| Models | CFM | 4 rows | | | | 6 rows | | | | 8 rows | | | |
| | | T.C. (MBH) | S.C. (MBH) | LVG D.B. (°F) | LVG W.B. (°F) | T.C. (MBH) | S.C. (MBH) | LVG D.B. (°F) | LVG W.B. (°F) | T.C. (MBH) | S.C. (MBH) | LVG D.B. (°F) | LVG W.B. (°F) |
| SAHU025 | 2500 | 61 | 51 | 60 | 59 | 82 | 65 | 55 | 54 | 89 | 68 | 51 | 51 |
| SAHU035 | 3500 | 86 | 72 | 60 | 59 | 108 | 92 | 54 | 54 | 130 | 96 | 52 | 51 |
| SAHU050 | 5000 | 146 | 119 | 59 | 57 | 210 | 152 | 53 | 53 | 235 | 168 | 50 | 50 |
| SAHU075 | 7500 | 218 | 176 | 60 | 58 | 308 | 228 | 54 | 54 | 334 | 239 | 51 | 51 |
| SAHU100 | 10000 | 272 | 192 | 58 | 57 | 358 | 281 | 52 | 52 | 410 | 291 | 49 | 49 |
| SAHU125 | 12500 | 354 | 279 | 58 | 57 | 473 | 368 | 53 | 52 | 575 | 453 | 50 | 49 |
| SAHU150 | 15000 | 416 | 326 | 58 | 57 | 536 | 421 | 53 | 52 | 596 | 428 | 50 | 50 |
| SAHU175 | 17500 | 513 | 342 | 57 | 56 | 641 | 520 | 52 | 52 | 673 | 527 | 49 | 49 |
| SAHU200 | 20000 | 586 | 358 | 57 | 56 | 730 | 533 | 52 | 51 | 825 | 594 | 49 | 49 |
| SAHU225 | 22500 | 643 | 459 | 56 | 55 | 823 | 548 | 51 | 51 | 911 | 631 | 49 | 49 |
| SAHU250 | 25000 | 713 | 564 | 58 | 57 | 920 | 731 | 53 | 52 | 1022 | 748 | 50 | 49 |
| SAHU300 | 30000 | 840 | 656 | 58 | 57 | 1061 | 823 | 53 | 52 | 1207 | 863 | 50 | 50 |
| SAHU350 | 35000 | 952 | 680 | 57 | 56 | 1268 | 969 | 52 | 52 | 1497 | 962 | 49 | 48 |
| SAHU400 | 40000 | 1126 | 879 | 57 | 56 | 1477 | 1173 | 52 | 51 | 1669 | 1227 | 49 | 49 |
| SAHU450 | 45000 | 1298 | 920 | 57 | 56 | 1652 | 1063 | 51 | 51 | 1875 | 1203 | 48 | 48 |

T.C. Total capacity

S.C. Sensible capacity

LVG Leaving air temperature

E.D.B. entering dry bulb temperature

E.W.B. entering wet bulb temperature

**Chart calculated for entering dry bulb air temperature of 80°F and entering wet bulb air temperature of 67°F

| Cooling Coil Capacities (14 FPI) | | | | | | | | | | | | | |
|----------------------------------|-------|---------------|---------------|---------------------|---------------------|---------------|---------------|---------------------|---------------------|---------------|---------------|---------------------|---------------------|
| Models | CFM | 4 rows | | | | 6 rows | | | | 8 rows | | | |
| | | T.C. (MBH) | S.C. (MBH) | LVG D.B. (°F) | LVG W.B. (°F) | T.C. (MBH) | S.C. (MBH) | LVG D.B. (°F) | LVG W.B. (°F) | T.C. (MBH) | S.C. (MBH) | LVG D.B. (°F) | LVG W.B. (°F) |
| SAHU025 | 2500 | 72 | 58 | 59 | 59 | 96 | 68 | 55 | 55 | 104 | 73 | 52 | 52 |
| SAHU035 | 3500 | 103 | 82 | 57 | 57 | 127 | 98 | 55 | 55 | 148 | 108 | 52 | 52 |
| SAHU050 | 5000 | 175 | 128 | 56 | 56 | 233 | 154 | 52 | 52 | 270 | 171 | 50 | 50 |
| SAHU075 | 7500 | 238 | 176 | 57 | 57 | 303 | 217 | 52 | 52 | 374 | 231 | 50 | 50 |
| SAHU100 | 10000 | 356 | 253 | 56 | 55 | 461 | 298 | 52 | 52 | 487 | 312 | 50 | 50 |
| SAHU125 | 12500 | 440 | 323 | 56 | 55 | 594 | 381 | 51 | 51 | 567 | 403 | 49 | 49 |
| SAHU150 | 15000 | 518 | 395 | 56 | 55 | 668 | 462 | 52 | 52 | 714 | 479 | 50 | 49 |
| SAHU175 | 17500 | 629 | 410 | 55 | 55 | 783 | 479 | 51 | 51 | 854 | 502 | 49 | 49 |
| SAHU200 | 20000 | 776 | 521 | 55 | 54 | 923 | 599 | 51 | 51 | 986 | 589 | 49 | 49 |
| SAHU225 | 22500 | 813 | 542 | 55 | 55 | 1017 | 619 | 51 | 51 | 1153 | 667 | 49 | 48 |
| SAHU250 | 25000 | 854 | 623 | 55 | 55 | 1142 | 725 | 50 | 50 | 1244 | 712 | 49 | 48 |
| SAHU300 | 30000 | 1028 | 714 | 56 | 56 | 1283 | 881 | 51 | 51 | 1371 | 843 | 48 | 48 |
| SAHU350 | 35000 | 1188 | 785 | 56 | 55 | 1370 | 928 | 52 | 51 | 1627 | 986 | 49 | 49 |
| SAHU400 | 40000 | 1336 | 814 | 55 | 54 | 1581 | 989 | 50 | 50 | 1764 | 1043 | 48 | 48 |
| SAHU450 | 45000 | 1422 | 963 | 54 | 54 | 1685 | 1032 | 50 | 50 | 1814 | 1121 | 48 | 48 |

T.C. Total capacity

S.C. Sensible capacity

LVG. Leaving air temperature

E.D.B. entering dry bulb temperature

E.W.B. entering wet bulb temperature

**Chart calculated for entering dry bulb air temperature of 80°F and entering wet bulb air temperature of 67°F

| Heating Coil Capacities (8 FPI) | | | | | | | | | |
|---------------------------------|-------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|
| Models | CFM | 1 row | | 2 rows | | 3 rows | | 4 rows | |
| | | capacity (MBH) | LVG D.B. (°F) | capacity (MBH) | LVG D.B. (°F) | capacity (MBH) | LVG D.B. (°F) | capacity (MBH) | LVG D.B. (°F) |
| SAHU025 | 2500 | 81 | 89 | 130 | 109 | 172 | 126 | 199 | 140 |
| SAHU035 | 3500 | 114 | 89 | 184 | 110 | 241 | 128 | 279 | 160 |
| SAHU050 | 5000 | 186 | 92 | 295 | 113 | 382 | 132 | 434 | 145 |
| SAHU075 | 7500 | 234 | 92 | 397 | 113 | 514 | 131 | 622 | 145 |
| SAHU100 | 10000 | 337 | 92 | 557 | 112 | 601 | 130 | 858 | 141 |
| SAHU125 | 12500 | 418 | 93 | 684 | 112 | 889 | 129 | 962 | 142 |
| SAHU150 | 15000 | 504 | 93 | 816 | 111 | 1052 | 129 | 1196 | 142 |
| SAHU175 | 17500 | 572 | 95 | 985 | 113 | 1263 | 132 | 1428 | 145 |
| SAHU200 | 20000 | 692 | 94 | 1112 | 112 | 1457 | 135 | 1638 | 143 |
| SAHU225 | 22500 | 743 | 95 | 1226 | 115 | 1553 | 135 | 1781 | 144 |
| SAHU250 | 25000 | 831 | 93 | 1342 | 114 | 1744 | 133 | 1993 | 146 |
| SAHU300 | 30000 | 988 | 93 | 1637 | 114 | 2143 | 133 | 2434 | 144 |
| SAHU350 | 35000 | 1087 | 94 | 1903 | 116 | 2467 | 135 | 2801 | 146 |
| SAHU400 | 40000 | 1395 | 94 | 2248 | 116 | 2898 | 135 | 3231 | 147 |
| SAHU450 | 45000 | 1423 | 95 | 1463 | 117 | 3188 | 135 | 3634 | 147 |

LVG Leaving air temperature

**Chart calculated for entering dry bulb air temperature of 60°F

| Heating Coil Capacities (14 FPI) | | | | | | | | | |
|----------------------------------|-------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|
| Models | CFM | 1 row | | 2 rows | | 3 rows | | 4 rows | |
| | | capacity (MBH) | LVG D.B. (°F) | capacity (MBH) | LVG D.B. (°F) | capacity (MBH) | LVG D.B. (°F) | capacity (MBH) | LVG D.B. (°F) |
| SAHU025 | 2500 | 116 | 101 | 169 | 124 | 213 | 142 | 237 | 153 |
| SAHU035 | 3500 | 161 | 100 | 239 | 123 | 300 | 142 | 332 | 154 |
| SAHU050 | 5000 | 246 | 103 | 382 | 125 | 467 | 143 | 511 | 155 |
| SAHU075 | 7500 | 328 | 104 | 502 | 125 | 647 | 144 | 718 | 156 |
| SAHU100 | 10000 | 471 | 104 | 724 | 125 | 879 | 144 | 936 | 155 |
| SAHU125 | 12500 | 579 | 105 | 872 | 126 | 1184 | 146 | 1197 | 157 |
| SAHU150 | 15000 | 704 | 105 | 1058 | 126 | 1312 | 146 | 1468 | 157 |
| SAHU175 | 17500 | 751 | 106 | 1254 | 127 | 1537 | 147 | 1673 | 158 |
| SAHU200 | 20000 | 970 | 106 | 1456 | 129 | 1743 | 148 | 1961 | 160 |
| SAHU225 | 22500 | 1033 | 105 | 1571 | 128 | 1905 | 149 | 2060 | 160 |
| SAHU250 | 25000 | 1164 | 107 | 1742 | 128 | 2134 | 150 | 2418 | 159 |
| SAHU300 | 30000 | 1413 | 107 | 2126 | 129 | 2618 | 150 | 2844 | 162 |
| SAHU350 | 35000 | 1621 | 109 | 2467 | 130 | 3016 | 152 | 3242 | 161 |
| SAHU400 | 40000 | 1954 | 108 | 2971 | 131 | 3455 | 152 | 3824 | 162 |
| SAHU450 | 45000 | 2045 | 108 | 3179 | 131 | 3888 | 151 | 4267 | 162 |

LVG Leaving air temperature

**Chart calculated for entering dry bulb air temperature of 60°F