

HIGH-EFFICIENCY, INVERTER DRIVEN, SPLIT SYSTEM HEAT PUMP UP TO 22.5 SEER2 & 8.2 HSPF2



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Standard Features

- Variable-speed swing compressors
- High-density compressor sound blanket
- Integrated communicating ComfortBridge™ Technology
- Commissioning and diagnostics via indoor board Bluetooth with the CoolCloud™ phone and tablet application
- Amana control algorithmic logic
- In communicating mode, only two low-voltage wires to outdoor unit required
- Diagnostic indicator lights, seven-segment LED display, and fault code storage
- Field-selectable boost mode increases compressor speed during unusually high loads
- Quiet DC outdoor fan motor
- Fully charged for 15' of tubing length
- Field-installed bi-flow filter drier
- Coil and ambient temperature sensors
- Suction pressure transducer (in cooling mode)
- Sweat connection service valves with easy access to gauge ports
- AHRI Certified; ETL Listed

Cabinet Features

- Heavy-gauge galvanized-steel cabinet
- Removable grille-style top design compliant with UL 60335-2-40
- Venturi for increased velocity of airflow
- Custom two-tone gray powder-paint finish
- 500-hour salt-spray tested
- Wire fan discharge grille
- Steel louver coil guard
- Top and side maintenance access
- Single-panel access to controls with space provided for field-installed accessories
- When properly anchored, meets the 2020 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)

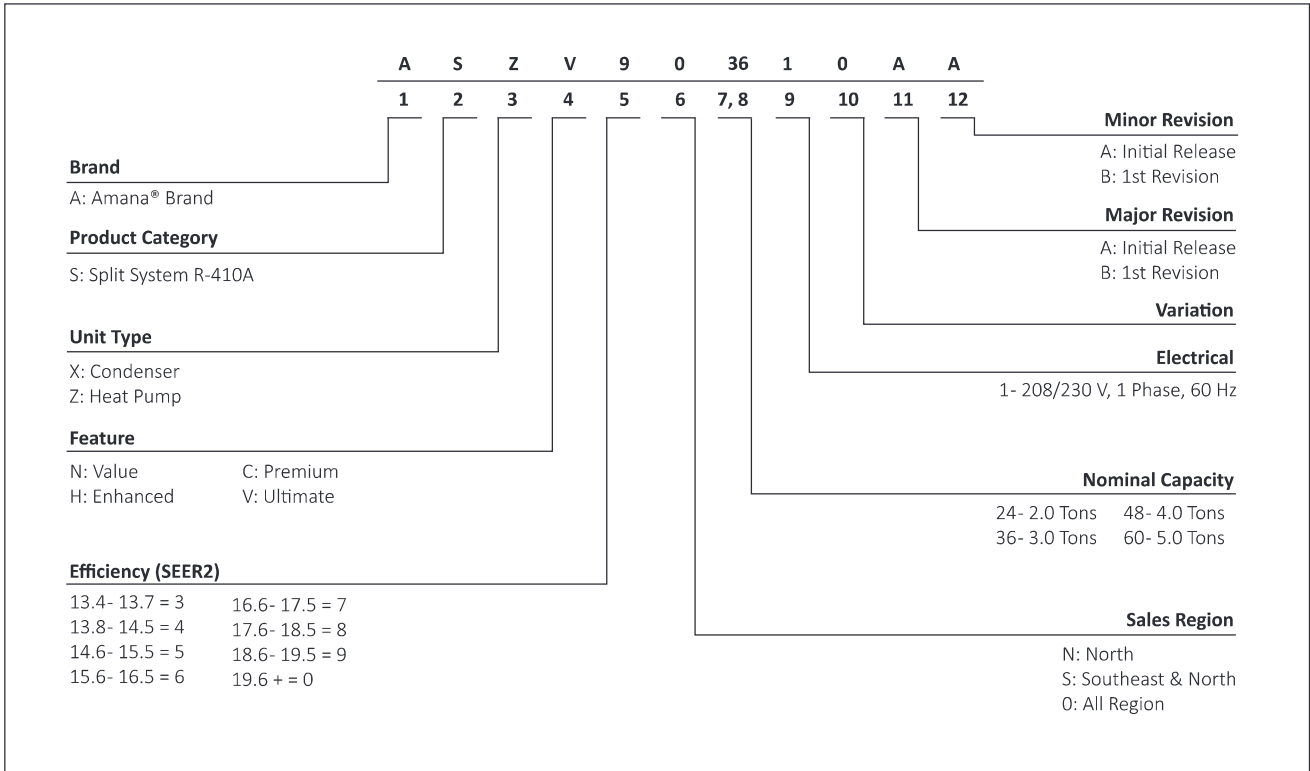





Products that are recognized as the Most Efficient of ENERGY STAR® in 2023 prevent greenhouse gas emissions by meeting rigorous energy efficiency performance levels set by the U.S. Environmental Protection Agency.

* Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your contractor for details or visit www.energystar.gov.



* Complete warranty details available from your local dealer or at www.amana-hac.com. To receive the Lifetime Unit Replacement Limited Warranty (good for as long as you own your home) and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Additional requirements for annual maintenance are required for the Unit Replacement Limited Warranty. Online registration and some of the additional requirements are not required in California or Québec. The duration of warranty coverages in Texas differs in some cases.



| | ASZV902410A* | ASZV903610A* | ASZV904810A* | ASZV906010A* |
|--|---|---|--|--------------|
| CAPACITY AND RATINGS | | | | |
| Max. Cooling (BTU/h) | 23,200 | 34,200 | 45,000 | 52,500 |
| Max. Heating (BTU/h) | 23,000 | 34,200 | 44,500 | 52,500 |
| COMPRESSOR | | | | |
| Type | Swing | Swing | Swing | Swing |
| RLA | 12.7 | 27.3 | 27.3 | 22.8 |
| CONDENSER FAN MOTOR | | | | |
| Horsepower | 1/2 | 1/2 | 1/2 | 1/2 |
| FLA | 2.5 | 2.5 | 2.5 | 2.5 |
| REFRIGERATION SYSTEM | | | | |
| Refrigerant Line Size ¹ | | | | |
| Liquid Line Size ("O.D.) | 3/8" | 3/8" | 3/8" | 3/8" |
| Suction Line Size ("O.D.) | 3/4" | 7/8" | 1 1/8" | 1 1/8" |
| Refrigerant Connection Size | | | | |
| Liquid Valve Size ("O.D.) | 3/8" | 3/8" | 3/8" | 3/8" |
| Suction Valve Size ("O.D.) | 3/4" | 7/8" | 7/8" | 7/8" |
| Valve Connection Type | Ball Valve | Ball Valve | Ball Valve | Ball Valve |
| Refrigerant Charge | 165 | 272 | 272 | 272 |
| Superheat at Service Valve | 7-9°F | 7-9°F | 7-9°F | 7-9°F |
| Subcooling at Service Valve | 7-9°F | 7-9°F | 7-9°F | 9-11°F |
| ELECTRICAL DATA | | | | |
| Voltage/Phase (60 Hz) | 208-230/1 | 208-230/1 | 208-230/1 | 208-230/1 |
| Minimum Circuit Ampacity ² | 15.2 | 29.8 | 29.8 | 30.6 |
| Max. Overcurrent Protection ³ | 20 | 30 | 30 | 35 |
| Min / Max Volts | 197/253 | 197/253 | 197/253 | 197/253 |
| Electrical Conduit Size | 1/2" or 3/4" | 1/2" or 3/4" | 1/2" or 3/4" | 1/2" or 3/4" |
| EQUIPMENT WEIGHT (LBS) | 217 | 291 | 291 | 291 |
| SHIP WEIGHT (LBS) | 243 | 318 | 318 | 318 |
| ENERGY STAR® CERTIFIED ^ |  |  |  | NO |

^ ENERGY STAR NOTES

- Products that are recognized as the Most Efficient of ENERGY STAR® in 2023 prevent greenhouse gas emissions by meeting rigorous energy efficiency performance levels set by the U.S. Environmental Protection Agency.
- Proper sizing and installation of equipment is critical to achieving optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.
- The www.energystar.gov website provides up-to-date system combinations certified to meet ENERGY STAR® requirements.

¹ Tested and rated in accordance with AHRI Standard 210/240

² Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes

³ Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

NOTES

- Always check the S&R plate for electrical data on the unit being installed.
- Installer will need to supply 3/8" to 1 1/4" adapters for suction line connections.
- Unit is charged with refrigerant for 15' of 3/8" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.

EXPANDED COOLING DATA — ASZV902410A* / CA*F3137*6A* + MBVC1201**-1A*+TXV (HIGH STAGE)

| IDB* | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|-------|------|------|------|----|
| | | 65°F | | | | 75°F | | | | 85°F | | | | 95°F | | | | 105°F | | | | 115°F | | | | |
| | | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | |
| 620 | AIRFLOW | 21.0 | 21.5 | 23.0 | 24.6 | 20.5 | 21.0 | 22.4 | 24.0 | 20.0 | 20.5 | 21.9 | 23.4 | 19.5 | 20.0 | 21.4 | 22.8 | 18.5 | 19.0 | 20.3 | 21.7 | 17.2 | 17.5 | 18.8 | 20.1 | |
| | MBh | 0.83 | 0.75 | 0.62 | 0.48 | 1.00 | 0.76 | 0.63 | 0.49 | 1.00 | 0.78 | 0.65 | 0.51 | 1.00 | 0.80 | 0.67 | 0.53 | 1.00 | 1.00 | 0.69 | 0.55 | 1.00 | 1.00 | 0.74 | 0.60 | |
| | S/T | ΔT | 29 | 27 | 23 | 20 | 29 | 27 | 23 | 20 | 29 | 27 | 23 | 20 | 28 | 27 | 23 | 20 | 28 | 26 | 23 | 19 | 29 | 28 | 24 | 20 |
| | kW | 1.42 | 1.45 | 1.50 | 1.55 | 1.54 | 1.57 | 1.62 | 1.68 | 1.64 | 1.67 | 1.73 | 1.79 | 1.73 | 1.76 | 1.82 | 1.89 | 1.80 | 1.84 | 1.90 | 1.97 | 1.86 | 1.91 | 1.97 | 2.04 | |
| | Amps | 5.1 | 5.1 | 5.1 | 5.1 | 5.9 | 5.9 | 5.9 | 5.9 | 6.8 | 6.8 | 6.8 | 6.8 | 7.7 | 7.7 | 7.7 | 7.8 | 8.8 | 8.8 | 8.8 | 8.8 | 10.0 | 10.0 | 10.0 | 10.1 | |
| | Hi/PR | 255 | 256 | 258 | 262 | 295 | 296 | 298 | 303 | 337 | 338 | 340 | 345 | 383 | 384 | 386 | 390 | 432 | 433 | 434 | 439 | 484 | 485 | 487 | 491 | |
| Lo/PR | 120 | 122 | 125 | 130 | 127 | 129 | 132 | 137 | 134 | 135 | 138 | 143 | 139 | 141 | 144 | 149 | 144 | 146 | 149 | 154 | 151 | 153 | 156 | 161 | | |
| 80 | AIRFLOW | 22.8 | 23.3 | 24.9 | 26.6 | 22.3 | 22.7 | 24.3 | 26.0 | 21.7 | 22.2 | 23.7 | 25.4 | 21.2 | 21.7 | 23.2 | 24.8 | 20.1 | 20.6 | 22.0 | 23.5 | 18.6 | 19.0 | 20.3 | 21.8 | |
| | MBh | 0.90 | 0.83 | 0.70 | 0.56 | 1.00 | 0.83 | 0.70 | 0.56 | 1.00 | 0.86 | 0.73 | 0.59 | 1.00 | 0.88 | 0.75 | 0.60 | 1.00 | 1.00 | 0.77 | 0.63 | 1.00 | 1.00 | 0.82 | 0.68 | |
| | S/T | ΔT | 27 | 25 | 22 | 18 | 27 | 25 | 22 | 18 | 27 | 26 | 22 | 18 | 27 | 25 | 22 | 18 | 27 | 25 | 22 | 18 | 28 | 26 | 23 | 19 |
| | kW | 1.46 | 1.49 | 1.54 | 1.59 | 1.58 | 1.61 | 1.67 | 1.72 | 1.68 | 1.72 | 1.78 | 1.84 | 1.77 | 1.81 | 1.93 | 1.94 | 1.85 | 1.89 | 1.96 | 2.02 | 1.91 | 1.96 | 2.03 | 2.10 | |
| | Amps | 5.2 | 5.2 | 5.1 | 5.2 | 5.9 | 5.9 | 5.9 | 6.0 | 6.8 | 6.8 | 6.8 | 6.9 | 7.8 | 7.8 | 7.8 | 7.8 | 8.8 | 8.8 | 8.8 | 8.9 | 10.1 | 10.1 | 10.1 | 10.1 | |
| | Hi/PR | 258 | 259 | 261 | 265 | 298 | 299 | 301 | 305 | 340 | 341 | 343 | 347 | 385 | 386 | 388 | 393 | 434 | 435 | 437 | 442 | 486 | 487 | 489 | 494 | |
| Lo/PR | 122 | 124 | 127 | 132 | 129 | 131 | 134 | 139 | 136 | 137 | 140 | 146 | 141 | 143 | 146 | 151 | 147 | 148 | 151 | 156 | 153 | 155 | 158 | 163 | | |
| 820 | AIRFLOW | 23.5 | 24.0 | 25.7 | 27.4 | 22.9 | 23.4 | 25.1 | 26.8 | 22.4 | 22.9 | 24.5 | 26.2 | 21.8 | 22.3 | 23.9 | 25.5 | 20.7 | 21.2 | 22.6 | 24.2 | 19.2 | 19.6 | 21.0 | 22.4 | |
| | MBh | 1.00 | 0.87 | 0.73 | 0.59 | 1.00 | 0.87 | 0.74 | 0.60 | 1.00 | 0.90 | 0.76 | 0.62 | 1.00 | 0.92 | 0.78 | 0.64 | 1.00 | 1.00 | 0.80 | 0.66 | 1.00 | 1.00 | 0.85 | 0.71 | |
| | S/T | ΔT | 26 | 24 | 21 | 17 | 26 | 24 | 21 | 17 | 26 | 24 | 21 | 17 | 26 | 24 | 21 | 17 | 26 | 24 | 20 | 17 | 27 | 25 | 22 | 18 |
| | kW | 1.47 | 1.50 | 1.55 | 1.61 | 1.59 | 1.63 | 1.68 | 1.74 | 1.69 | 1.73 | 1.79 | 1.85 | 1.79 | 1.83 | 1.94 | 1.95 | 1.86 | 1.91 | 1.97 | 2.04 | 1.93 | 1.98 | 2.04 | 2.12 | |
| | Amps | 5.2 | 5.2 | 5.2 | 5.2 | 6.0 | 6.0 | 6.0 | 6.0 | 6.9 | 6.9 | 6.8 | 6.9 | 7.8 | 7.8 | 7.8 | 7.9 | 8.9 | 8.9 | 8.9 | 8.9 | 10.1 | 10.1 | 10.1 | 10.2 | |
| | Hi/PR | 260 | 261 | 263 | 267 | 300 | 301 | 303 | 308 | 342 | 344 | 345 | 350 | 388 | 389 | 391 | 395 | 437 | 438 | 440 | 444 | 489 | 490 | 492 | 496 | |
| Lo/PR | 125 | 126 | 129 | 134 | 132 | 133 | 136 | 142 | 138 | 140 | 143 | 148 | 144 | 145 | 148 | 153 | 149 | 150 | 153 | 159 | 156 | 157 | 160 | 165 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| 620 | AIRFLOW | 21.4 | 21.8 | 22.9 | 24.4 | 20.9 | 21.3 | 22.3 | 23.8 | 20.4 | 20.8 | 21.8 | 23.3 | 19.9 | 20.3 | 21.2 | 22.7 | 18.9 | 19.2 | 20.2 | 21.5 | 17.5 | 17.8 | 18.7 | 19.9 | |
| | MBh | 1.00 | 0.85 | 0.72 | 0.58 | 1.00 | 0.86 | 0.73 | 0.59 | 1.00 | 1.00 | 0.75 | 0.61 | 1.00 | 1.00 | 0.77 | 0.63 | 1.00 | 1.00 | 0.79 | 0.65 | 1.00 | 1.00 | 0.84 | 0.70 | |
| | S/T | ΔT | 32 | 30 | 27 | 23 | 32 | 30 | 27 | 23 | 32 | 31 | 27 | 23 | 32 | 30 | 27 | 23 | 32 | 30 | 27 | 23 | 33 | 31 | 28 | 24 |
| | kW | 1.44 | 1.47 | 1.51 | 1.57 | 1.55 | 1.58 | 1.64 | 1.69 | 1.65 | 1.69 | 1.74 | 1.80 | 1.74 | 1.78 | 1.84 | 1.90 | 1.82 | 1.86 | 1.92 | 1.99 | 1.88 | 1.92 | 1.99 | 2.06 | |
| | Amps | 5.1 | 5.1 | 5.1 | 5.2 | 5.9 | 5.9 | 5.9 | 5.9 | 6.8 | 6.8 | 6.8 | 6.8 | 7.7 | 7.7 | 7.7 | 7.8 | 8.8 | 8.8 | 8.8 | 8.8 | 10.0 | 10.0 | 10.0 | 10.1 | |
| | Hi/PR | 256 | 257 | 259 | 264 | 296 | 298 | 299 | 304 | 339 | 340 | 341 | 346 | 384 | 385 | 387 | 391 | 433 | 434 | 436 | 440 | 485 | 486 | 488 | 492 | |
| Lo/PR | 122 | 123 | 126 | 132 | 129 | 131 | 134 | 139 | 136 | 137 | 140 | 145 | 141 | 142 | 146 | 151 | 146 | 148 | 151 | 156 | 153 | 154 | 157 | 163 | | |
| 720 | AIRFLOW | 23.2 | 23.7 | 24.8 | 26.5 | 22.7 | 23.1 | 24.2 | 25.8 | 22.1 | 22.5 | 23.6 | 25.2 | 21.6 | 22.0 | 23.0 | 24.6 | 20.5 | 20.9 | 21.9 | 23.3 | 18.9 | 19.3 | 20.2 | 21.6 | |
| | MBh | 1.00 | 0.93 | 0.79 | 0.65 | 1.00 | 0.93 | 0.80 | 0.66 | 1.00 | 1.00 | 0.83 | 0.69 | 1.00 | 1.00 | 0.84 | 0.70 | 1.00 | 1.00 | 0.87 | 0.73 | 1.00 | 1.00 | 1.00 | 0.78 | |
| | S/T | ΔT | 31 | 29 | 25 | 22 | 31 | 29 | 25 | 22 | 31 | 29 | 26 | 22 | 31 | 29 | 25 | 22 | 31 | 29 | 25 | 22 | 32 | 30 | 26 | 23 |
| | kW | 1.47 | 1.50 | 1.55 | 1.61 | 1.59 | 1.63 | 1.68 | 1.74 | 1.69 | 1.73 | 1.79 | 1.85 | 1.79 | 1.83 | 1.94 | 1.95 | 1.86 | 1.91 | 1.97 | 2.04 | 1.93 | 1.98 | 2.04 | 2.12 | |
| | Amps | 5.2 | 5.2 | 5.2 | 5.2 | 6.0 | 6.0 | 6.0 | 6.0 | 6.9 | 6.9 | 6.8 | 6.9 | 7.8 | 7.8 | 7.8 | 7.8 | 8.9 | 8.8 | 8.8 | 8.9 | 10.1 | 10.1 | 10.1 | 10.1 | |
| | Hi/PR | 259 | 260 | 262 | 266 | 299 | 300 | 302 | 306 | 341 | 342 | 344 | 348 | 386 | 388 | 389 | 394 | 435 | 436 | 438 | 443 | 488 | 489 | 490 | 495 | |
| Lo/PR | 124 | 125 | 129 | 134 | 131 | 133 | 136 | 141 | 138 | 139 | 142 | 147 | 143 | 145 | 148 | 153 | 148 | 150 | 153 | 158 | 155 | 156 | 160 | 165 | | |
| 820 | AIRFLOW | 23.9 | 24.4 | 25.5 | 27.3 | 23.3 | 23.8 | 24.9 | 26.6 | 22.8 | 23.2 | 24.3 | 26.0 | 22.2 | 22.6 | 23.7 | 25.3 | 21.1 | 21.5 | 22.5 | 24.1 | 19.5 | 19.9 | 20.9 | 22.3 | |
| | MBh | 1.00 | 0.97 | 0.83 | 0.69 | 1.00 | 0.97 | 0.84 | 0.70 | 1.00 | 1.00 | 0.86 | 0.72 | 1.00 | 1.00 | 0.88 | 0.74 | 1.00 | 1.00 | 0.90 | 0.76 | 1.00 | 1.00 | 1.00 | 0.81 | |
| | S/T | ΔT | 30 | 28 | 24 | 21 | 30 | 28 | 24 | 21 | 30 | 28 | 25 | 21 | 30 | 28 | 24 | 21 | 29 | 28 | 24 | 20 | 31 | 29 | 25 | 22 |
| | kW | 1.48 | 1.52 | 1.57 | 1.62 | 1.60 | 1.64 | 1.69 | 1.75 | 1.71 | 1.75 | 1.81 | 1.87 | 1.80 | 1.84 | 1.95 | 1.97 | 1.88 | 1.92 | 1.99 | 2.06 | 1.95 | 1.99 | 2.06 | 2.13 | |
| | Amps | 5.2 | 5.2 | 5.2 | 5.3 | 6.0 | 6.0 | 6.0 | 6.0 | 6.9 | 6.9 | 6.9 | 6.9 | 7.8 | 7.8 | 7.8 | 7.9 | 8.9 | 8.9 | 8.9 | 8.9 | 10.1 | 10.1 | 10.1 | 10.2 | |
| | Hi/PR | 261 | 262 | 264 | 269 | 302 | 303 | 304 | 309 | 344 | 345 | 347 | 351 | 389 | 390 | 392 | 396 | 438 | 439 | 441 | 445 | 490 | 491 | 493 | 497 | |
| Lo/PR | 126 | 128 | 131 | 136 | 134 | 135 | 138 | 143 | 140 | 142 | 145 | 150 | 145 | 147 | 150 | 155 | 151 | 152 | 155 | 160 | 157 | 159 | 162 | 167 | | |

IDB*: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Airflow may vary depending on actual ambient conditions and system operation modes.

Shaded area reflects AHRI conditions.

kW = Total system power
 Amps = outdoor unit amps

EXPANDED COOLING DATA — ASZV903610A* / CA*F3743*6D* + MBVC1601** -1A*+TXV (HIGH STAGE)

| IDB* | AIRFLOW | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|-------|------|------|------|
| | | 65°F | | | | 75°F | | | | 85°F | | | | 95°F | | | | 105°F | | | | 115°F | | | |
| | | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 |
| 1050 | MBh | 34.9 | 35.4 | 36.4 | 38.0 | 34.6 | 35.1 | 36.1 | 37.7 | 33.7 | 34.2 | 35.2 | 36.8 | 32.1 | 32.6 | 33.7 | 35.2 | 30.2 | 30.7 | 31.8 | 33.3 | 28.5 | 29.0 | 30.0 | 31.6 |
| | S/T | 0.86 | 0.78 | 0.65 | 0.50 | 1.00 | 0.79 | 0.65 | 0.51 | 1.00 | 0.82 | 0.68 | 0.53 | 1.00 | 0.84 | 0.70 | 0.55 | 1.00 | 1.00 | 0.72 | 0.57 | 1.00 | 1.00 | 0.77 | 0.63 |
| | ΔT | 27 | 25 | 22 | 19 | 27 | 25 | 22 | 19 | 27 | 25 | 22 | 19 | 27 | 25 | 22 | 19 | 27 | 25 | 22 | 18 | 28 | 26 | 23 | 19 |
| | kW | 1.96 | 1.96 | 1.96 | 1.98 | 2.23 | 2.23 | 2.22 | 2.24 | 2.52 | 2.52 | 2.52 | 2.54 | 2.84 | 2.84 | 2.83 | 2.85 | 3.20 | 3.19 | 3.19 | 3.21 | 3.61 | 3.61 | 3.61 | 3.63 |
| | Amps | 7.4 | 7.4 | 7.3 | 7.4 | 8.5 | 8.5 | 8.5 | 8.6 | 9.8 | 9.8 | 9.8 | 9.9 | 11.2 | 11.2 | 11.1 | 11.2 | 12.7 | 12.7 | 12.7 | 12.8 | 14.5 | 14.5 | 14.5 | 14.6 |
| 80 | Hi PR | 246 | 247 | 249 | 254 | 285 | 286 | 288 | 292 | 326 | 327 | 329 | 333 | 370 | 371 | 373 | 377 | 417 | 418 | 420 | 424 | 467 | 469 | 470 | 475 |
| | Lo PR | 122 | 124 | 127 | 132 | 130 | 131 | 134 | 139 | 136 | 138 | 141 | 146 | 142 | 143 | 146 | 151 | 147 | 148 | 152 | 157 | 154 | 155 | 158 | 164 |
| | MBh | 35.5 | 35.9 | 37.0 | 38.6 | 35.1 | 35.6 | 36.7 | 38.3 | 34.2 | 34.7 | 35.8 | 37.4 | 32.7 | 33.2 | 34.2 | 35.8 | 30.8 | 31.2 | 32.3 | 33.9 | 29.0 | 29.5 | 30.5 | 32.1 |
| | S/T | 1.00 | 0.86 | 0.72 | 0.58 | 1.00 | 0.87 | 0.73 | 0.58 | 1.00 | 0.89 | 0.75 | 0.61 | 1.00 | 0.91 | 0.77 | 0.63 | 1.00 | 1.00 | 0.80 | 0.65 | 1.00 | 1.00 | 0.85 | 0.70 |
| | ΔT | 26 | 24 | 21 | 17 | 26 | 24 | 21 | 17 | 26 | 24 | 21 | 17 | 26 | 24 | 21 | 17 | 25 | 24 | 20 | 17 | 27 | 25 | 21 | 18 |
| 1350 | kW | 1.98 | 1.98 | 1.97 | 1.99 | 2.24 | 2.24 | 2.24 | 2.26 | 2.54 | 2.54 | 2.53 | 2.55 | 2.86 | 2.85 | 2.85 | 2.87 | 3.21 | 3.21 | 3.21 | 3.23 | 3.63 | 3.63 | 3.62 | 3.64 |
| | Amps | 7.4 | 7.4 | 7.4 | 7.5 | 8.6 | 8.6 | 8.6 | 8.6 | 9.9 | 9.9 | 9.8 | 9.9 | 11.2 | 11.2 | 11.2 | 11.3 | 12.8 | 12.8 | 12.8 | 12.9 | 14.6 | 14.6 | 14.6 | 14.7 |
| | Hi PR | 249 | 250 | 252 | 256 | 288 | 289 | 291 | 295 | 329 | 330 | 331 | 336 | 372 | 373 | 375 | 379 | 420 | 421 | 422 | 427 | 470 | 471 | 473 | 477 |
| | Lo PR | 124 | 126 | 129 | 134 | 132 | 133 | 136 | 142 | 138 | 140 | 143 | 148 | 144 | 145 | 148 | 154 | 149 | 151 | 154 | 159 | 156 | 157 | 160 | 166 |
| | MBh | 36.1 | 36.6 | 37.7 | 39.2 | 35.8 | 36.3 | 37.3 | 38.9 | 34.9 | 35.4 | 36.4 | 38.0 | 33.3 | 33.8 | 34.9 | 36.5 | 31.4 | 31.9 | 33.0 | 34.5 | 29.7 | 30.2 | 31.2 | 32.8 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1050 | MBh | 35.5 | 36.0 | 37.0 | 38.6 | 35.2 | 35.7 | 36.7 | 38.3 | 34.3 | 34.8 | 35.8 | 37.4 | 32.7 | 33.2 | 34.2 | 35.8 | 30.8 | 31.3 | 32.3 | 33.9 | 29.1 | 29.6 | 30.6 | 32.2 |
| | S/T | 1.00 | 0.89 | 0.75 | 0.60 | 1.00 | 0.89 | 0.76 | 0.61 | 1.00 | 1.00 | 0.78 | 0.64 | 1.00 | 1.00 | 0.80 | 0.66 | 1.00 | 1.00 | 0.82 | 0.68 | 1.00 | 1.00 | 1.00 | 0.73 |
| | ΔT | 30 | 29 | 25 | 22 | 30 | 29 | 25 | 22 | 31 | 29 | 26 | 22 | 30 | 29 | 25 | 22 | 30 | 28 | 25 | 22 | 31 | 30 | 26 | 23 |
| | kW | 1.97 | 1.97 | 1.96 | 1.98 | 2.23 | 2.23 | 2.23 | 2.25 | 2.53 | 2.52 | 2.52 | 2.54 | 2.85 | 2.84 | 2.84 | 2.86 | 3.20 | 3.20 | 3.19 | 3.21 | 3.62 | 3.62 | 3.61 | 3.63 |
| | Amps | 7.4 | 7.4 | 7.4 | 7.4 | 8.5 | 8.5 | 8.5 | 8.6 | 9.8 | 9.8 | 9.8 | 9.9 | 11.2 | 11.2 | 11.2 | 11.3 | 12.7 | 12.7 | 12.7 | 12.8 | 14.6 | 14.5 | 14.5 | 14.6 |
| 85 | Hi PR | 248 | 249 | 250 | 255 | 286 | 287 | 289 | 294 | 327 | 328 | 330 | 334 | 371 | 372 | 374 | 378 | 418 | 419 | 421 | 425 | 469 | 470 | 471 | 476 |
| | Lo PR | 124 | 126 | 129 | 134 | 131 | 133 | 136 | 141 | 138 | 139 | 143 | 148 | 143 | 145 | 148 | 153 | 149 | 150 | 153 | 159 | 156 | 157 | 160 | 165 |
| | MBh | 36.0 | 36.5 | 37.6 | 39.2 | 35.7 | 36.2 | 37.3 | 38.8 | 34.8 | 35.3 | 36.3 | 37.9 | 33.3 | 33.7 | 34.8 | 36.4 | 31.3 | 31.8 | 32.9 | 34.5 | 29.6 | 30.1 | 31.1 | 32.7 |
| | S/T | 1.00 | 0.96 | 0.83 | 0.68 | 1.00 | 0.97 | 0.83 | 0.69 | 1.00 | 1.00 | 0.86 | 0.71 | 1.00 | 1.00 | 0.88 | 0.73 | 1.00 | 1.00 | 0.90 | 0.75 | 1.00 | 1.00 | 1.00 | 0.81 |
| | ΔT | 29 | 27 | 24 | 21 | 29 | 27 | 24 | 21 | 29 | 28 | 24 | 21 | 29 | 27 | 24 | 21 | 29 | 27 | 24 | 20 | 30 | 28 | 25 | 22 |
| 1350 | kW | 1.99 | 1.98 | 1.98 | 2.00 | 2.25 | 2.25 | 2.24 | 2.26 | 2.54 | 2.54 | 2.54 | 2.56 | 2.86 | 2.86 | 2.86 | 2.88 | 3.22 | 3.22 | 3.22 | 3.23 | 3.63 | 3.63 | 3.63 | 3.65 |
| | Amps | 7.5 | 7.5 | 7.4 | 7.5 | 8.6 | 8.6 | 8.6 | 8.7 | 9.9 | 9.9 | 9.9 | 9.9 | 11.3 | 11.3 | 11.2 | 11.3 | 12.8 | 12.8 | 12.8 | 12.9 | 14.6 | 14.6 | 14.6 | 14.7 |
| | Hi PR | 250 | 251 | 253 | 257 | 289 | 290 | 292 | 296 | 330 | 331 | 332 | 337 | 373 | 375 | 376 | 381 | 421 | 422 | 424 | 428 | 471 | 472 | 474 | 478 |
| | Lo PR | 126 | 128 | 131 | 136 | 134 | 135 | 138 | 143 | 140 | 142 | 145 | 150 | 146 | 147 | 150 | 155 | 151 | 152 | 156 | 161 | 158 | 159 | 162 | 168 |
| | MBh | 36.7 | 37.2 | 38.2 | 39.8 | 36.4 | 36.9 | 37.9 | 39.5 | 35.5 | 36.0 | 37.0 | 38.6 | 33.9 | 34.4 | 35.5 | 37.0 | 32.0 | 32.5 | 33.5 | 35.1 | 30.3 | 30.8 | 31.8 | 33.4 |

Shaded area reflects AHRI conditions

IDB*: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Airflow may vary depending on actual ambient conditions and system operation modes.

kW = Total system power
Amps = outdoor unit amps

| IDB* | AIRFLOW | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|---------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|-------|----|----|----|--|--|-------|--|--|--|--|--|
| | | 65°F | | | | | | 75°F | | | | | | 85°F | | | | | | 95°F | | | | | | 105°F | | | | | | 115°F | | | | | |
| | | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | | | | | | | | |
| 70 | M/Bh | 43.3 | 44.9 | 47.7 | - | 42.3 | 43.8 | 47.3 | - | 41.2 | 42.8 | 46.1 | - | 40.2 | 41.7 | 44.0 | - | 38.2 | 39.6 | 41.5 | - | 35.4 | 36.7 | 39.2 | - | | | | | | | | | | | | |
| | S/T | 0.60 | 0.52 | 0.38 | - | 0.60 | 0.53 | 0.39 | - | 0.63 | 0.55 | 0.42 | - | 0.65 | 0.57 | 0.44 | - | 1.00 | 0.60 | 0.46 | - | 1.00 | 0.65 | 0.51 | - | | | | | | | | | | | | |
| | ΔT | 20 | 19 | 15 | - | 20 | 18 | 15 | - | 21 | 19 | 15 | - | 20 | 18 | 15 | - | 20 | 18 | 15 | - | 21 | 19 | 16 | - | | | | | | | | | | | | |
| | kW | 2.81 | 2.86 | 2.95 | - | 3.02 | 3.08 | 3.18 | - | 3.21 | 3.28 | 3.39 | - | 3.38 | 3.45 | 3.56 | - | 3.52 | 3.60 | 3.72 | - | 3.64 | 3.72 | 3.85 | - | | | | | | | | | | | | |
| | Amps | 9.8 | 9.8 | 9.7 | - | 11.2 | 11.2 | 11.2 | - | 12.9 | 12.9 | 12.9 | - | 14.7 | 14.7 | 14.7 | - | 16.7 | 16.7 | 16.7 | - | 19.0 | 19.0 | 19.0 | - | | | | | | | | | | | | |
| | Hi PR | 252 | 254 | 255 | - | 292 | 293 | 295 | - | 334 | 335 | 337 | - | 379 | 380 | 382 | - | 428 | 429 | 431 | - | 480 | 481 | 482 | - | | | | | | | | | | | | |
| | Lo PR | 120 | 122 | 125 | - | 128 | 129 | 132 | - | 134 | 136 | 139 | - | 140 | 141 | 144 | - | 145 | 146 | 149 | - | 152 | 153 | 156 | - | | | | | | | | | | | | |
| | M/Bh | 43.9 | 45.6 | 48.4 | - | 42.9 | 44.5 | 48.0 | - | 41.9 | 43.4 | 46.8 | - | 40.9 | 42.4 | 44.7 | - | 38.8 | 40.2 | 42.2 | - | 35.9 | 37.2 | 39.9 | - | | | | | | | | | | | | |
| | S/T | 0.68 | 0.60 | 0.46 | - | 0.68 | 0.60 | 0.47 | - | 0.71 | 0.63 | 0.49 | - | 0.73 | 0.65 | 0.51 | - | 1.00 | 0.67 | 0.53 | - | 1.00 | 0.72 | 0.59 | - | | | | | | | | | | | | |
| | ΔT | 19 | 17 | 14 | - | 19 | 17 | 14 | - | 19 | 17 | 14 | - | 19 | 17 | 14 | - | 19 | 17 | 13 | - | 20 | 18 | 15 | - | | | | | | | | | | | | |
| kW | 2.84 | 2.90 | 3.00 | - | 3.06 | 3.13 | 3.23 | - | 3.25 | 3.33 | 3.43 | - | 3.42 | 3.50 | 3.62 | - | 3.57 | 3.65 | 3.77 | - | 3.69 | 3.78 | 3.90 | - | | | | | | | | | | | | | |
| Amps | 9.9 | 9.9 | 9.8 | - | 11.3 | 11.3 | 11.3 | - | 13.0 | 13.0 | 13.0 | - | 14.8 | 14.8 | 14.7 | - | 16.8 | 16.8 | 16.7 | - | 19.1 | 19.1 | 19.1 | - | | | | | | | | | | | | | |
| Hi PR | 255 | 256 | 258 | - | 295 | 296 | 298 | - | 337 | 338 | 340 | - | 382 | 383 | 385 | - | 430 | 431 | 433 | - | 482 | 483 | 485 | - | | | | | | | | | | | | | |
| Lo PR | 122 | 124 | 127 | - | 130 | 131 | 134 | - | 136 | 138 | 141 | - | 142 | 143 | 146 | - | 147 | 148 | 152 | - | 154 | 155 | 158 | - | | | | | | | | | | | | | |
| M/Bh | 44.4 | 46.0 | 49.3 | - | 43.3 | 44.9 | 48.9 | - | 42.3 | 43.9 | 47.7 | - | 41.3 | 42.8 | 45.6 | - | 39.2 | 40.6 | 43.1 | - | 36.3 | 37.6 | 40.8 | - | | | | | | | | | | | | | |
| S/T | 0.71 | 0.64 | 0.50 | - | 0.72 | 0.64 | 0.51 | - | 0.75 | 0.67 | 0.53 | - | 1.00 | 0.69 | 0.55 | - | 1.00 | 0.71 | 0.57 | - | 1.00 | 0.76 | 0.63 | - | | | | | | | | | | | | | |
| ΔT | 18 | 16 | 13 | - | 18 | 16 | 12 | - | 18 | 16 | 13 | - | 18 | 16 | 12 | - | 18 | 16 | 12 | - | 19 | 17 | 13 | - | | | | | | | | | | | | | |
| kW | 2.85 | 2.91 | 3.00 | - | 3.07 | 3.14 | 3.24 | - | 3.26 | 3.33 | 3.44 | - | 3.43 | 3.51 | 3.62 | - | 3.58 | 3.66 | 3.78 | - | 3.70 | 3.79 | 3.91 | - | | | | | | | | | | | | | |
| Amps | 9.9 | 9.9 | 9.9 | - | 11.4 | 11.4 | 11.4 | - | 13.1 | 13.1 | 13.0 | - | 14.9 | 14.9 | 14.8 | - | 16.9 | 16.8 | 16.8 | - | 19.2 | 19.2 | 19.2 | - | | | | | | | | | | | | | |
| Hi PR | 258 | 259 | 260 | - | 297 | 299 | 300 | - | 339 | 340 | 342 | - | 384 | 385 | 387 | - | 433 | 434 | 436 | - | 485 | 486 | 488 | - | | | | | | | | | | | | | |
| Lo PR | 125 | 126 | 129 | - | 132 | 134 | 137 | - | 139 | 140 | 143 | - | 144 | 146 | 149 | - | 149 | 151 | 154 | - | 156 | 158 | 161 | - | | | | | | | | | | | | | |

| IDB* | AIRFLOW | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|---------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|-------------|-------------|------|------|------|------|------|------|------|------|------|------|-------|----|----|----|--|--|-------|--|--|--|--|--|
| | | 65°F | | | | | | 75°F | | | | | | 85°F | | | | | | 95°F | | | | | | 105°F | | | | | | 115°F | | | | | |
| | | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | | | | | | | | |
| 75 | M/Bh | 44.0 | 45.3 | 47.7 | 49.8 | 43.0 | 44.3 | 47.3 | 49.4 | 42.0 | 43.2 | 46.1 | 48.2 | 40.9 | 42.1 | 44.1 | 46.1 | 38.9 | 40.0 | 41.5 | 43.6 | 36.0 | 37.0 | 39.2 | 41.3 | | | | | | | | | | | | |
| | S/T | 0.73 | 0.65 | 0.51 | 0.37 | 0.74 | 0.66 | 0.52 | 0.38 | 1.00 | 0.68 | 0.55 | 0.40 | 1.00 | 0.70 | 0.57 | 0.42 | 1.00 | 0.73 | 0.59 | 0.44 | 1.00 | 0.78 | 0.64 | 0.50 | | | | | | | | | | | | |
| | ΔT | 24 | 23 | 19 | 16 | 24 | 23 | 19 | 15 | 25 | 23 | 19 | 16 | 24 | 23 | 19 | 15 | 24 | 22 | 19 | 15 | 25 | 23 | 20 | 16 | | | | | | | | | | | | |
| | kW | 2.83 | 2.89 | 2.98 | 3.07 | 3.04 | 3.11 | 3.21 | 3.31 | 3.24 | 3.31 | 3.41 | 3.53 | 3.41 | 3.48 | 3.59 | 3.71 | 3.55 | 3.63 | 3.75 | 3.87 | 3.67 | 3.75 | 3.88 | 4.01 | | | | | | | | | | | | |
| | Amps | 9.8 | 9.7 | 9.7 | 9.8 | 11.2 | 11.2 | 11.2 | 11.3 | 12.9 | 12.9 | 12.9 | 13.0 | 14.7 | 14.7 | 14.6 | 14.8 | 16.7 | 16.7 | 16.6 | 16.8 | 19.0 | 19.0 | 19.0 | 19.1 | | | | | | | | | | | | |
| | Hi PR | 253 | 254 | 256 | 260 | 293 | 294 | 295 | 300 | 334 | 336 | 337 | 342 | 379 | 381 | 382 | 387 | 428 | 429 | 431 | 435 | 480 | 481 | 483 | 487 | | | | | | | | | | | | |
| | Lo PR | 120 | 122 | 125 | 130 | 128 | 129 | 132 | 137 | 134 | 136 | 139 | 144 | 140 | 141 | 144 | 149 | 145 | 146 | 149 | 155 | 152 | 153 | 156 | 161 | | | | | | | | | | | | |
| | M/Bh | 44.7 | 46.0 | 48.4 | 50.5 | 43.6 | 44.9 | 48.0 | 50.1 | 42.6 | 43.9 | 46.8 | 48.9 | 41.6 | 42.8 | 44.8 | 46.9 | 44.8 | 39.5 | 40.6 | 42.2 | 44.3 | 36.5 | 37.6 | 40.0 | 42.0 | | | | | | | | | | | |
| | S/T | 0.81 | 0.73 | 0.59 | 0.45 | 0.81 | 0.74 | 0.60 | 0.45 | 1.00 | 0.76 | 0.62 | 0.48 | 1.00 | 0.78 | 0.64 | 0.50 | 1.00 | 0.80 | 0.67 | 0.52 | 1.00 | 1.00 | 0.72 | 0.57 | | | | | | | | | | | | |
| | ΔT | 23 | 21 | 18 | 14 | 23 | 21 | 18 | 14 | 23 | 21 | 18 | 14 | 23 | 21 | 18 | 14 | 23 | 21 | 17 | 14 | 24 | 22 | 19 | 15 | | | | | | | | | | | | |
| kW | 2.87 | 2.93 | 3.02 | 3.12 | 3.09 | 3.15 | 3.26 | 3.36 | 3.28 | 3.35 | 3.46 | 3.58 | 3.45 | 3.53 | 3.65 | 3.77 | 3.60 | 3.68 | 3.80 | 3.93 | 3.73 | 3.81 | 3.94 | 4.07 | | | | | | | | | | | | | |
| Amps | 9.9 | 9.8 | 9.8 | 9.9 | 11.3 | 11.3 | 11.3 | 11.4 | 13.0 | 13.0 | 13.0 | 13.1 | 14.8 | 14.8 | 14.7 | 14.9 | 16.8 | 16.8 | 16.7 | 16.9 | 19.1 | 19.1 | 19.1 | 19.2 | | | | | | | | | | | | | |
| Hi PR | 255 | 256 | 258 | 263 | 295 | 296 | 298 | 302 | 337 | 338 | 340 | 344 | 382 | 383 | 385 | 389 | 431 | 432 | 433 | 438 | 482 | 483 | 485 | 490 | | | | | | | | | | | | | |
| Lo PR | 122 | 124 | 127 | 132 | 130 | 131 | 134 | 139 | 136 | 138 | 141 | 146 | 142 | 143 | 146 | 151 | 147 | 148 | 152 | 157 | 154 | 155 | 158 | 163 | | | | | | | | | | | | | |
| M/Bh | 45.1 | 46.5 | 49.3 | 51.4 | 44.1 | 45.4 | 48.9 | 51.0 | 43.0 | 44.3 | 47.7 | 49.8 | 42.0 | 43.2 | 45.6 | 47.7 | 39.9 | 41.0 | 43.1 | 45.2 | 36.9 | 38.0 | 40.8 | 42.9 | | | | | | | | | | | | | |
| S/T | 0.84 | 0.77 | 0.63 | 0.49 | 0.85 | 0.77 | 0.64 | 0.49 | 1.00 | 0.80 | 0.66 | 0.52 | 1.00 | 0.82 | 0.68 | 0.54 | 1.00 | 0.84 | 0.70 | 0.56 | 1.00 | 1.00 | 0.76 | 0.61 | | | | | | | | | | | | | |
| ΔT | 22 | 20 | 17 | 13 | 22 | 20 | 17 | 13 | 22 | 20 | 17 | 13 | 22 | 20 | 17 | 13 | 22 | 20 | 16 | 13 | 23 | 21 | 17 | 14 | | | | | | | | | | | | | |
| kW | 2.87 | 2.93 | 3.03 | 3.12 | 3.09 | 3.16 | 3.26 | 3.37 | 3.29 | 3.36 | 3.47 | 3.59 | 3.46 | 3.54 | 3.66 | 3.78 | 3.61 | 3.69 | 3.81 | 3.94 | 3.73 | 3.82 | 3.95 | 4.08 | | | | | | | | | | | | | |
| Amps | 9.9 | 9.9 | 9.9 | 10.0 | 11.4 | 11.4 | 11.4 | 11.5 | 13.1 | 13.1 | 13.0 | 13.1 | 14.9 | 14.8 | 14.8 | 14.9 | 16.9 | 16.8 | 16.8 | 16.9 | 19.2 | 19.2 | 19.2 | 19.3 | | | | | | | | | | | | | |
| Hi PR | 258 | 259 | 261 | 265 | 298 | 299 | 301 | 305 | 340 | 341 | 342 | 347 | 385 | 386 | 387 | 392 | 433 | 434 | 436 | 440 | 485 | 486 | 488 | 492 | | | | | | | | | | | | | |
| Lo PR | 125 | 126 | 129 | 135 | 132 | 134 | 137 | 142 | 139 | 140 | 143 | 148 | 144 | 146 | 149 | 154 | 149 | 151 | 154 | 159 | 156 | 158 | 161 | 166 | | | | | | | | | | | | | |

kW = Total system power
Amps = outdoor unit amps

Shaded area reflects ACCA conditions

IDB*: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.
Airflow may vary depending on actual ambient conditions and system operation modes.

EXPANDED COOLING DATA — ASZV904810A* / CA*F4961*6D* + MBVC2001** -1A*+TXV (HIGH STAGE)

| IDB* | AIRFLOW | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|---------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|----|----|----|----|----|-------|----|----|----|----|----|
| | | 65°F | | | | | | 75°F | | | | | | 85°F | | | | | | 95°F | | | | | | 105°F | | | | | | 115°F | | | | | |
| | | 59 | 63 | 67 | 71 | 75 | 79 | 59 | 63 | 67 | 71 | 75 | 79 | 59 | 63 | 67 | 71 | 75 | 79 | 59 | 63 | 67 | 71 | 75 | 79 | 59 | 63 | 67 | 71 | 75 | 79 | 59 | 63 | 67 | 71 | 75 | 79 |
| | | ENTERING INDOOR WET BULB TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MBh | 44.8 | 45.8 | 48.0 | 50.0 | 43.8 | 44.7 | 47.5 | 49.6 | 42.7 | 43.6 | 46.3 | 48.4 | 41.7 | 42.6 | 44.3 | 46.4 | 39.6 | 40.4 | 41.8 | 43.9 | 36.6 | 37.4 | 39.5 | 41.6 | | | | | | | | | | | | |
| | S/T | 0.86 | 0.78 | 0.64 | 0.50 | 1.00 | 0.79 | 0.65 | 0.50 | 1.00 | 0.81 | 0.67 | 0.53 | 1.00 | 0.83 | 0.69 | 0.55 | 1.00 | 1.00 | 0.72 | 0.57 | 1.00 | 1.00 | 0.77 | 0.62 | | | | | | | | | | | | |
| | ΔT | 29 | 27 | 23 | 20 | 29 | 27 | 23 | 20 | 29 | 27 | 23 | 20 | 29 | 27 | 23 | 20 | 28 | 26 | 23 | 19 | 29 | 28 | 24 | 21 | | | | | | | | | | | | |
| | kW | 2.85 | 2.91 | 3.00 | 3.10 | 3.07 | 3.14 | 3.24 | 3.34 | 3.26 | 3.33 | 3.44 | 3.56 | 3.43 | 3.51 | 3.62 | 3.75 | 3.58 | 3.66 | 3.78 | 3.91 | 3.70 | 3.79 | 3.91 | 4.05 | | | | | | | | | | | | |
| | Amps | 9.8 | 9.8 | 9.7 | 9.8 | 11.2 | 11.2 | 11.2 | 11.3 | 12.9 | 12.9 | 12.9 | 13.0 | 14.7 | 14.7 | 14.7 | 14.8 | 16.7 | 16.7 | 16.7 | 16.8 | 19.0 | 19.0 | 19.0 | 19.1 | | | | | | | | | | | | |
| | Hi PR | 253 | 254 | 256 | 260 | 293 | 294 | 296 | 300 | 335 | 336 | 338 | 342 | 380 | 381 | 383 | 387 | 428 | 430 | 431 | 436 | 480 | 481 | 483 | 488 | | | | | | | | | | | | |
| | Lo PR | 123 | 124 | 125 | 131 | 128 | 130 | 133 | 138 | 135 | 136 | 139 | 144 | 140 | 142 | 145 | 150 | 152 | 147 | 150 | 155 | 152 | 154 | 157 | 162 | | | | | | | | | | | | |
| 80 | MBh | 45.5 | 46.5 | 48.7 | 50.8 | 44.4 | 45.4 | 48.3 | 50.3 | 43.4 | 44.3 | 47.1 | 49.1 | 42.3 | 43.2 | 45.0 | 47.1 | 40.2 | 41.0 | 42.5 | 44.6 | 37.2 | 38.0 | 40.2 | 42.3 | | | | | | | | | | | | |
| | S/T | 1.00 | 0.86 | 0.72 | 0.57 | 1.00 | 0.86 | 0.73 | 0.58 | 1.00 | 0.89 | 0.75 | 0.61 | 1.00 | 0.91 | 0.77 | 0.63 | 1.00 | 1.00 | 0.79 | 0.65 | 1.00 | 1.00 | 0.84 | 0.70 | | | | | | | | | | | | |
| | ΔT | 27 | 25 | 22 | 18 | 27 | 25 | 22 | 18 | 27 | 26 | 22 | 18 | 27 | 25 | 22 | 18 | 27 | 25 | 22 | 18 | 28 | 26 | 23 | 19 | | | | | | | | | | | | |
| | kW | 2.89 | 2.95 | 3.04 | 3.14 | 3.11 | 3.18 | 3.28 | 3.39 | 3.31 | 3.38 | 3.49 | 3.61 | 3.48 | 3.56 | 3.75 | 3.80 | 3.63 | 3.71 | 3.83 | 3.96 | 3.76 | 3.84 | 3.97 | 4.11 | | | | | | | | | | | | |
| | Amps | 9.9 | 9.8 | 9.8 | 9.9 | 11.3 | 11.3 | 11.3 | 11.4 | 13.0 | 13.0 | 13.0 | 13.1 | 14.8 | 14.8 | 14.8 | 14.9 | 16.8 | 16.8 | 16.7 | 16.9 | 19.1 | 19.1 | 19.1 | 19.2 | | | | | | | | | | | | |
| | Lo PR | 123 | 124 | 128 | 133 | 130 | 132 | 135 | 140 | 137 | 138 | 141 | 146 | 142 | 144 | 147 | 152 | 148 | 149 | 152 | 157 | 154 | 156 | 159 | 164 | | | | | | | | | | | | |
| 1580 | MBh | 45.9 | 47.0 | 49.5 | 51.6 | 44.9 | 45.9 | 49.0 | 51.2 | 43.8 | 44.8 | 47.8 | 50.0 | 42.7 | 43.7 | 45.9 | 48.0 | 40.6 | 41.5 | 43.4 | 45.5 | 37.6 | 38.4 | 41.1 | 43.2 | | | | | | | | | | | | |
| | S/T | 1.00 | 0.89 | 0.76 | 0.61 | 1.00 | 0.90 | 0.76 | 0.62 | 1.00 | 0.93 | 0.79 | 0.64 | 1.00 | 1.00 | 0.81 | 0.66 | 1.00 | 1.00 | 0.83 | 0.69 | 1.00 | 1.00 | 0.88 | 0.74 | | | | | | | | | | | | |
| | ΔT | 26 | 24 | 21 | 17 | 26 | 24 | 21 | 17 | 26 | 24 | 21 | 17 | 26 | 24 | 21 | 17 | 26 | 24 | 20 | 17 | 27 | 25 | 22 | 18 | | | | | | | | | | | | |
| | kW | 2.90 | 2.96 | 3.05 | 3.15 | 3.12 | 3.19 | 3.29 | 3.40 | 3.32 | 3.39 | 3.50 | 3.62 | 3.49 | 3.57 | 3.69 | 3.81 | 3.64 | 3.72 | 3.84 | 3.97 | 3.77 | 3.85 | 3.98 | 4.12 | | | | | | | | | | | | |
| | Amps | 9.9 | 9.9 | 9.9 | 10.0 | 11.4 | 11.4 | 11.4 | 11.5 | 13.1 | 13.1 | 13.0 | 13.1 | 14.9 | 14.8 | 14.8 | 14.9 | 16.9 | 16.8 | 16.8 | 16.9 | 19.2 | 19.2 | 19.2 | 19.3 | | | | | | | | | | | | |
| | Lo PR | 125 | 127 | 130 | 135 | 133 | 134 | 137 | 142 | 139 | 141 | 144 | 149 | 145 | 146 | 149 | 154 | 150 | 151 | 154 | 160 | 157 | 158 | 161 | 166 | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1300 | MBh | 45.6 | 46.5 | 48.7 | 50.8 | 44.5 | 45.4 | 47.6 | 50.8 | 43.5 | 44.3 | 46.4 | 49.5 | 42.4 | 43.2 | 45.3 | 48.3 | 40.3 | 41.0 | 42.5 | 44.6 | 37.3 | 38.0 | 39.8 | 42.5 |
| | S/T | 1.00 | 0.88 | 0.74 | 0.60 | 1.00 | 0.89 | 0.75 | 0.61 | 1.00 | 1.00 | 0.78 | 0.63 | 1.00 | 1.00 | 0.80 | 0.65 | 1.00 | 1.00 | 0.82 | 0.67 | 1.00 | 1.00 | 1.00 | 0.73 |
| | ΔT | 32 | 30 | 27 | 23 | 32 | 30 | 27 | 23 | 32 | 31 | 27 | 24 | 32 | 30 | 27 | 23 | 32 | 30 | 27 | 23 | 33 | 31 | 28 | 24 |
| | kW | 2.87 | 2.93 | 3.03 | 3.12 | 3.09 | 3.16 | 3.26 | 3.37 | 3.29 | 3.36 | 3.47 | 3.59 | 3.46 | 3.54 | 3.65 | 3.78 | 3.61 | 3.69 | 3.81 | 3.94 | 3.73 | 3.82 | 3.95 | 4.08 |
| | Amps | 9.8 | 9.8 | 9.8 | 9.9 | 11.3 | 11.3 | 11.2 | 11.4 | 12.9 | 12.9 | 12.9 | 13.0 | 14.7 | 14.7 | 14.7 | 14.8 | 16.7 | 16.7 | 16.7 | 16.8 | 19.1 | 19.1 | 19.0 | 19.1 |
| | Lo PR | 123 | 124 | 127 | 132 | 130 | 132 | 135 | 140 | 136 | 138 | 141 | 146 | 142 | 143 | 146 | 152 | 147 | 149 | 152 | 157 | 154 | 155 | 158 | 164 |
| 85 | MBh | 46.3 | 47.2 | 49.4 | 51.5 | 45.2 | 46.1 | 48.3 | 51.5 | 44.1 | 45.0 | 47.1 | 50.3 | 43.0 | 43.9 | 46.0 | 49.1 | 40.9 | 41.7 | 43.3 | 45.3 | 37.8 | 38.6 | 40.4 | 43.1 |
| | S/T | 1.00 | 0.96 | 0.82 | 0.68 | 1.00 | 0.97 | 0.83 | 0.68 | 1.00 | 1.00 | 0.85 | 0.71 | 1.00 | 1.00 | 0.87 | 0.73 | 1.00 | 1.00 | 0.90 | 0.75 | 1.00 | 1.00 | 1.00 | 0.80 |
| | ΔT | 31 | 29 | 26 | 22 | 31 | 29 | 25 | 22 | 31 | 29 | 26 | 22 | 31 | 29 | 25 | 22 | 31 | 29 | 25 | 22 | 32 | 30 | 26 | 23 |
| | kW | 2.91 | 2.97 | 3.07 | 3.17 | 3.14 | 3.21 | 3.31 | 3.42 | 3.34 | 3.41 | 3.52 | 3.64 | 3.51 | 3.59 | 3.71 | 3.83 | 3.66 | 3.74 | 3.87 | 4.00 | 3.79 | 3.87 | 4.00 | 4.14 |
| | Amps | 9.9 | 9.9 | 9.9 | 10.0 | 11.4 | 11.4 | 11.3 | 11.4 | 13.0 | 13.0 | 13.0 | 13.1 | 14.8 | 14.8 | 14.8 | 14.9 | 16.8 | 16.8 | 16.8 | 16.9 | 19.2 | 19.1 | 19.1 | 19.2 |
| | Lo PR | 125 | 126 | 129 | 134 | 132 | 134 | 137 | 142 | 139 | 140 | 143 | 148 | 144 | 145 | 149 | 154 | 149 | 151 | 154 | 160 | 156 | 158 | 161 | 166 |
| 1580 | MBh | 46.8 | 47.7 | 49.9 | 52.4 | 45.7 | 46.5 | 48.8 | 52.0 | 44.6 | 45.4 | 47.6 | 50.8 | 43.5 | 44.3 | 46.4 | 49.6 | 41.3 | 42.1 | 44.1 | 46.2 | 38.2 | 39.0 | 40.8 | 43.6 |
| | S/T | 1.00 | 1.00 | 0.86 | 0.71 | 1.00 | 1.00 | 0.87 | 0.72 | 1.00 | 1.00 | 0.89 | 0.75 | 1.00 | 1.00 | 0.91 | 0.77 | 1.00 | 1.00 | 0.93 | 0.79 | 1.00 | 1.00 | 1.00 | 0.84 |
| | ΔT | 30 | 28 | 24 | 21 | 30 | 28 | 24 | 21 | 30 | 28 | 25 | 21 | 30 | 28 | 24 | 21 | 29 | 28 | 24 | 20 | 31 | 29 | 25 | 22 |
| | kW | 2.92 | 2.98 | 3.08 | 3.18 | 3.15 | 3.21 | 3.32 | 3.43 | 3.34 | 3.42 | 3.53 | 3.65 | 3.52 | 3.60 | 3.72 | 3.84 | 3.67 | 3.75 | 3.88 | 4.01 | 3.80 | 3.88 | 4.01 | 4.15 |
| | Amps | 10.0 | 10.0 | 9.9 | 10.0 | 11.4 | 11.4 | 11.4 | 11.5 | 13.1 | 13.1 | 13.1 | 13.2 | 14.9 | 14.9 | 14.9 | 15.0 | 16.9 | 16.9 | 16.9 | 17.0 | 19.2 | 19.2 | 19.2 | 19.3 |
| | Lo PR | 127 | 129 | 132 | 137 | 135 | 136 | 139 | 144 | 141 | 142 | 146 | 151 | 146 | 148 | 151 | 156 | 152 | 153 | 156 | 161 | 158 | 160 | 163 | 168 |

kW = Total system power
Amps = outdoor unit amps

Shaded area reflects AHRI conditions

IDB*: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.
Airflow may vary depending on actual ambient conditions and system operation modes.

EXPANDED HEATING DATA — HIGH STAGE

ASZV902410A* / CA*F3137*6A* + MBVC1201**-1A*+TXV

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | |
|-------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 |
| MBh | 29.5 | 27.7 | 25.9 | 24.1 | 23.2 | 22.2 | 20.1 | 21.3 | 18.9 | 17.5 | 16.4 | 16.1 | 15.6 | 14.4 | 13.1 | 10.3 | 8.9 | 7.1 |
| T/R | 37 | 35 | 33 | 31 | 30 | 29 | 26 | 27 | 24 | 22 | 21 | 21 | 20 | 18 | 17 | 13 | 11 | 9 |
| kW | 2.03 | 1.97 | 1.91 | 1.85 | 1.82 | 1.80 | 1.74 | 2.01 | 1.91 | 1.86 | 1.85 | 1.82 | 1.74 | 1.70 | 1.68 | 1.56 | 1.51 | 1.39 |
| Amps | 7.7 | 7.4 | 7.2 | 6.9 | 6.8 | 6.7 | 6.4 | 8.4 | 7.9 | 7.7 | 7.7 | 7.5 | 7.2 | 6.8 | 6.2 | 6.4 | 6.2 | 5.7 |
| COP | 4.09 | 3.94 | 3.79 | 3.64 | 3.53 | 3.44 | 3.21 | 3.10 | 2.90 | 2.75 | 2.60 | 2.45 | 2.36 | 2.25 | 2.20 | 1.93 | 1.72 | 1.50 |
| HI PR | 430 | 416 | 402 | 388 | 380 | 374 | 360 | 360 | 346 | 331 | 316 | 308 | 302 | 287 | 273 | 258 | 244 | 229 |
| LO PR | 133 | 125 | 117 | 108 | 103 | 100 | 92 | 129 | 116 | 104 | 91 | 83 | 78 | 65 | 52 | 39 | 27 | 14 |

ASZV903610A* / CA*F3743*6D* + MBVC1601**-1A*+TXV

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | |
|-------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 |
| MBh | 43.4 | 40.8 | 38.3 | 35.8 | 34.2 | 33.0 | 30.1 | 39.2 | 36.3 | 33.5 | 30.9 | 29.2 | 28.1 | 26.9 | 24.4 | 19.6 | 16.8 | 13.8 |
| T/R | 33 | 32 | 30 | 28 | 27 | 26 | 24 | 31 | 29 | 26 | 24 | 23 | 22 | 21 | 20 | 15 | 13 | 11 |
| kW | 2.74 | 2.69 | 2.63 | 2.57 | 2.54 | 2.52 | 2.46 | 4.18 | 4.08 | 3.98 | 3.88 | 3.83 | 3.79 | 3.80 | 3.97 | 3.50 | 3.40 | 3.30 |
| Amps | 10.1 | 9.8 | 9.6 | 9.4 | 9.2 | 9.1 | 8.9 | 16.9 | 16.4 | 16.0 | 15.6 | 15.3 | 15.2 | 14.7 | 15.4 | 13.9 | 13.5 | 13.1 |
| COP | 4.29 | 4.11 | 3.92 | 3.73 | 3.60 | 3.49 | 3.24 | 2.75 | 2.65 | 2.51 | 2.37 | 2.27 | 2.21 | 2.08 | 1.85 | 1.67 | 1.46 | 1.24 |
| HI PR | 374 | 362 | 349 | 337 | 330 | 325 | 313 | 346 | 332 | 318 | 304 | 296 | 290 | 276 | 262 | 248 | 234 | 220 |
| LO PR | 156 | 146 | 136 | 127 | 121 | 117 | 107 | 141 | 127 | 113 | 99 | 91 | 85 | 71 | 57 | 43 | 29 | 15 |

ASZV904810A* / CA*F4961*6D* + MBVC2001**-1A*+TXV

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | |
|-------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 |
| MBh | 57.2 | 53.6 | 50.2 | 46.7 | 44.5 | 42.9 | 38.8 | 45.5 | 42.4 | 39.1 | 36.0 | 34.0 | 32.8 | 29.4 | 25.4 | 22.7 | 19.4 | 15.9 |
| T/R | 35 | 33 | 32 | 30 | 29 | 28 | 25 | 29 | 27 | 25 | 23 | 22 | 21 | 19 | 17 | 15 | 12 | 10 |
| kW | 3.74 | 3.65 | 3.55 | 3.45 | 3.39 | 3.36 | 3.26 | 4.58 | 4.47 | 4.35 | 4.23 | 4.16 | 4.11 | 3.99 | 4.05 | 3.76 | 3.64 | 3.52 |
| Amps | 14.0 | 13.6 | 13.1 | 12.7 | 12.5 | 12.3 | 11.9 | 18.7 | 18.2 | 17.7 | 17.2 | 16.9 | 16.7 | 16.2 | 15.3 | 15.2 | 14.6 | 14.1 |
| COP | 4.14 | 3.97 | 3.80 | 3.63 | 3.50 | 3.41 | 3.15 | 2.91 | 2.79 | 2.64 | 2.50 | 2.40 | 2.34 | 2.16 | 1.82 | 1.77 | 1.56 | 1.32 |
| HI PR | 379 | 367 | 355 | 342 | 335 | 330 | 318 | 346 | 332 | 318 | 304 | 296 | 290 | 276 | 262 | 248 | 234 | 220 |
| LO PR | 140 | 131 | 123 | 114 | 109 | 105 | 97 | 105 | 95 | 84 | 74 | 67 | 63 | 53 | 42 | 32 | 22 | 11 |

ASZV906010A* / CA*F4961*6D* + MBVC2001**-1A*+TXV

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | |
|-------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 |
| MBh | 66.1 | 62.3 | 58.6 | 54.9 | 52.5 | 50.8 | 46.6 | 47.7 | 43.6 | 40.7 | 38.5 | 37.4 | 35.9 | 32.1 | 29.0 | 24.6 | 20.8 | 17.1 |
| T/R | 36 | 34 | 33 | 31 | 30 | 29 | 26 | 27 | 25 | 23 | 22 | 21 | 20 | 18 | 16 | 14 | 12 | 10 |
| kW | 4.55 | 4.45 | 4.36 | 4.26 | 4.21 | 4.17 | 4.07 | 4.97 | 4.83 | 4.70 | 4.57 | 4.48 | 4.43 | 4.30 | 4.20 | 4.03 | 3.89 | 3.76 |
| Amps | 17.2 | 16.8 | 16.4 | 15.9 | 15.7 | 15.5 | 15.1 | 19.0 | 18.4 | 17.8 | 17.2 | 16.9 | 16.6 | 16.0 | 15.7 | 14.9 | 14.3 | 13.7 |
| COP | 4.10 | 3.94 | 3.78 | 3.61 | 3.50 | 3.41 | 3.19 | 2.81 | 2.65 | 2.54 | 2.47 | 2.44 | 2.37 | 2.19 | 2.00 | 1.79 | 1.57 | 1.33 |
| HI PR | 387 | 375 | 362 | 350 | 342 | 337 | 324 | 337 | 324 | 310 | 296 | 288 | 283 | 269 | 256 | 242 | 228 | 215 |
| LO PR | 138 | 130 | 121 | 113 | 107 | 104 | 95 | 105 | 95 | 84 | 74 | 67 | 63 | 53 | 42 | 32 | 22 | 11 |

High pressure is measured at the suction service valve (the larger valve).

Low pressure is measured at the gauge port connection.

Amps = Outdoor unit amps (comp.+fan)

Calculations are based on 70 °F indoor dry bulb.

kW = Total system power

Shaded area is AHRI Rating Conditions at 47°F outdoor ambient temperature.

| ASZV902410A* / CA*F3137*6A* + MBVC1201**-1A*+TX DESIGN SUBCOOLING @ AHRI 95 °F CONDITIONS, 7-9 °F AT THE SERV. VLV. - 100% DEMAND | | | | |
|---|----------------|-------------------|-----------------|----------------|
| OUTDOOR TEMP °F | TOTAL BTU/H | SENSIBLE BTU/H | LATENT BTU/H | TOTAL WATTS |
| 75° | 24,300 | 17,000 | 7,300 | 1,670 |
| 80° | 24,000 | 17,200 | 6,800 | 1,725 |
| 85° | 23,700 | 17,300 | 6,400 | 1,780 |
| 90° | 23,500 | 17,400 | 6,100 | 1,855 |
| 95° | 23,200 | 17,400 | 5,800 | 1,930 |
| 100° | 22,600 | 17,200 | 5,400 | 1,945 |
| 105° | 22,000 | 16,900 | 5,100 | 1,960 |
| 110° | 21,200 | 16,800 | 4,400 | 1,995 |
| 115° | 20,300 | 16,700 | 3,600 | 2,030 |
| TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB | | | | |
| 95° | 21,400 | 16,300 | 5,100 | 1,800 |

| ASZV904810A* / CA*F4961*6D* + MBVC2001**-1A*+TXV DESIGN SUBCOOLING @ AHRI 95 °F CONDITIONS, 7-9 °F AT THE SERV. VLV. - 100% DEMAND | | | | |
|--|----------------|-------------------|-----------------|----------------|
| Outdoor Temp °F | Total BTU/h | Sensible BTU/h | Latent BTU/h | Total Watts |
| 75° | 48,300 | 35,300 | 13,000 | 3,280 |
| 80° | 47,700 | 35,300 | 12,400 | 3,385 |
| 85° | 47,100 | 35,300 | 11,800 | 3,490 |
| 90° | 46,100 | 35,000 | 11,100 | 3,620 |
| 95° | 45,000 | 34,700 | 10,300 | 3,750 |
| 100° | 43,800 | 34,200 | 9,600 | 3,790 |
| 105° | 42,500 | 33,600 | 8,900 | 3,830 |
| 110° | 41,400 | 33,700 | 7,700 | 3,900 |
| 115° | 40,200 | 33,800 | 6,400 | 3,970 |
| TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB | | | | |
| 95° | 42,800 | 33,400 | 9,400 | 3,530 |

| ASZV903610A* / CA*F3743*6D* + MBVC1601**-1A*+TXV DESIGN SUBCOOLING @ AHRI 95 °F CONDITIONS, 7-9 °F AT THE SERV. VLV. - 100% DEMAND | | | | |
|--|----------------|-------------------|-----------------|----------------|
| OUTDOOR TEMP °F | TOTAL BTU/H | SENSIBLE BTU/H | LATENT BTU/H | TOTAL WATTS |
| 75° | 36,700 | 26,800 | 9,900 | 2,240 |
| 80° | 36,300 | 26,900 | 9,400 | 2,385 |
| 85° | 35,800 | 26,900 | 8,900 | 2,530 |
| 90° | 35,000 | 26,600 | 8,400 | 2,690 |
| 95° | 34,200 | 26,300 | 7,900 | 2,850 |
| 100° | 33,300 | 26,100 | 7,200 | 3,030 |
| 105° | 32,300 | 25,800 | 6,500 | 3,210 |
| 110° | 31,400 | 25,900 | 5,500 | 3,415 |
| 115° | 30,500 | 25,900 | 4,600 | 3,620 |
| TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB | | | | |
| 95° | 33,000 | 26,100 | 6,900 | 2,850 |

| ASZV906010A* / CA*F4961*6D* + MBVC2001**-1A*+TXV DESIGN SUBCOOLING @ AHRI 95 °F CONDITIONS, 9-11 °F AT THE SERV. VLV. - 100% DEMAND | | | | |
|---|----------------|-------------------|-----------------|----------------|
| Outdoor Temp °F | Total BTU/h | Sensible BTU/h | Latent BTU/h | Total Watts |
| 75° | 55,800 | 39,600 | 16,200 | 3,890 |
| 80° | 55,100 | 39,700 | 15,400 | 4,145 |
| 85° | 54,400 | 39,700 | 14,700 | 4,400 |
| 90° | 53,500 | 39,600 | 13,900 | 4,700 |
| 95° | 52,500 | 39,400 | 13,100 | 5,000 |
| 100° | 50,800 | 38,600 | 12,200 | 5,285 |
| 105° | 49,100 | 37,800 | 11,300 | 5,570 |
| 110° | 47,800 | 37,900 | 9,900 | 5,930 |
| 115° | 46,400 | 38,000 | 8,400 | 6,290 |
| TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB | | | | |
| 95° | 50,100 | 38,100 | 12,000 | 4,960 |

PERFORMANCE DATA FOR FIELD-SELECTABLE BOOST MODE

| ASZV902410A* / CA*F3137*6A* + MBVC1201**-1A*+TXV DESIGN SUBCOOLING @ AHRI 95 °F CONDITIONS, 7-9 °F @ THE SERV. Vlv. - BOOST MODE | | | | |
|--|---------------|----------------|--------------|--------------|
| OUTDOOR TEMP °F | TOTAL BTU/H | SENSIBLE BTU/H | LATENT BTU/H | TOTAL WATTS |
| 75° | 25,700 | 17,700 | 8,000 | 1,700 |
| 80° | 25,400 | 17,800 | 7,600 | 1,800 |
| 85° | 25,100 | 17,800 | 7,300 | 1,900 |
| 90° | 24,600 | 17,700 | 6,900 | 2,000 |
| 95° | 24,000 | 17,500 | 6,500 | 2,150 |
| 100° | 23,400 | 17,300 | 6,100 | 2,300 |
| 105° | 22,700 | 17,000 | 5,700 | 2,450 |
| 110° | 21,400 | 15,700 | 5,700 | 2,400 |
| 115° | 21,600 | 15,800 | 5,800 | 2,200 |
| TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB | | | | |
| 95° | 23,100 | 17,100 | 6,000 | 2,100 |

| ASZV904810A* / CA*F4961*6D* + MBVC2001**-1A*+TXV DESIGN SUBCOOLING @ AHRI 95 °F CONDITIONS, 7-9 °F @ THE SERV. Vlv. - BOOST MODE | | | | |
|--|---------------|----------------|---------------|--------------|
| OUTDOOR TEMP °F | TOTAL BTU/H | SENSIBLE BTU/H | LATENT BTU/H | TOTAL WATTS |
| 75° | 51,500 | 36,600 | 14,900 | 3,250 |
| 80° | 50,900 | 36,600 | 14,300 | 3,500 |
| 85° | 50,200 | 36,600 | 13,600 | 3,700 |
| 90° | 49,100 | 36,300 | 12,800 | 3,900 |
| 95° | 48,000 | 36,000 | 12,000 | 4,150 |
| 100° | 46,700 | 35,500 | 11,200 | 4,400 |
| 105° | 45,300 | 34,900 | 10,400 | 4,650 |
| 110° | 44,800 | 33,200 | 11,600 | 4,800 |
| 115° | 41,700 | 30,900 | 10,800 | 4,300 |
| TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB | | | | |
| 95° | 46,000 | 35,200 | 10,800 | 4,100 |

| ASZV903610A* / CA*F3743*6D* + MBVC1601**-1A*+TXV DESIGN SUBCOOLING @ AHRI 95 °F CONDITIONS, 7-9 °F @ THE SERV. Vlv. - BOOST MODE | | | | |
|--|---------------|----------------|--------------|--------------|
| OUTDOOR TEMP °F | TOTAL BTU/H | SENSIBLE BTU/H | LATENT BTU/H | TOTAL WATTS |
| 75° | 38,600 | 27,800 | 10,800 | 2,250 |
| 80° | 38,100 | 27,800 | 10,300 | 2,400 |
| 85° | 37,600 | 27,800 | 9,800 | 2,550 |
| 90° | 36,800 | 27,600 | 9,200 | 2,700 |
| 95° | 36,000 | 27,400 | 8,600 | 2,850 |
| 100° | 35,000 | 27,000 | 8,000 | 3,000 |
| 105° | 34,000 | 26,500 | 7,500 | 3,200 |
| 110° | 33,100 | 26,600 | 6,500 | 3,400 |
| 115° | 31,700 | 24,100 | 7,600 | 3,300 |
| TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB | | | | |
| 95° | 34,600 | 27,000 | 7,600 | 2,700 |

| ASZV906010A* / CA*F4961*6D* + MBVC2001**-1A*+TXV DESIGN SUBCOOLING @ AHRI 95 °F CONDITIONS, 9-11 °F @ THE SERV. Vlv. - BOOST MODE | | | | |
|---|---------------|----------------|---------------|--------------|
| OUTDOOR TEMP °F | TOTAL BTU/H | SENSIBLE BTU/H | LATENT BTU/H | TOTAL WATTS |
| 75° | 61,100 | 42,200 | 18,900 | 4,400 |
| 80° | 60,400 | 42,300 | 18,100 | 4,700 |
| 85° | 59,600 | 42,300 | 17,300 | 5,000 |
| 90° | 58,300 | 42,000 | 16,300 | 5,300 |
| 95° | 57,000 | 41,600 | 15,400 | 5,600 |
| 100° | 55,400 | 41,000 | 14,400 | 6,000 |
| 105° | 54,000 | 39,500 | 14,500 | 6,100 |
| 110° | 52,200 | 38,200 | 14,000 | 6,400 |
| 115° | 50,300 | 36,800 | 13,500 | 6,700 |
| TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB | | | | |
| 95° | 55,000 | 40,700 | 14,300 | 5,500 |

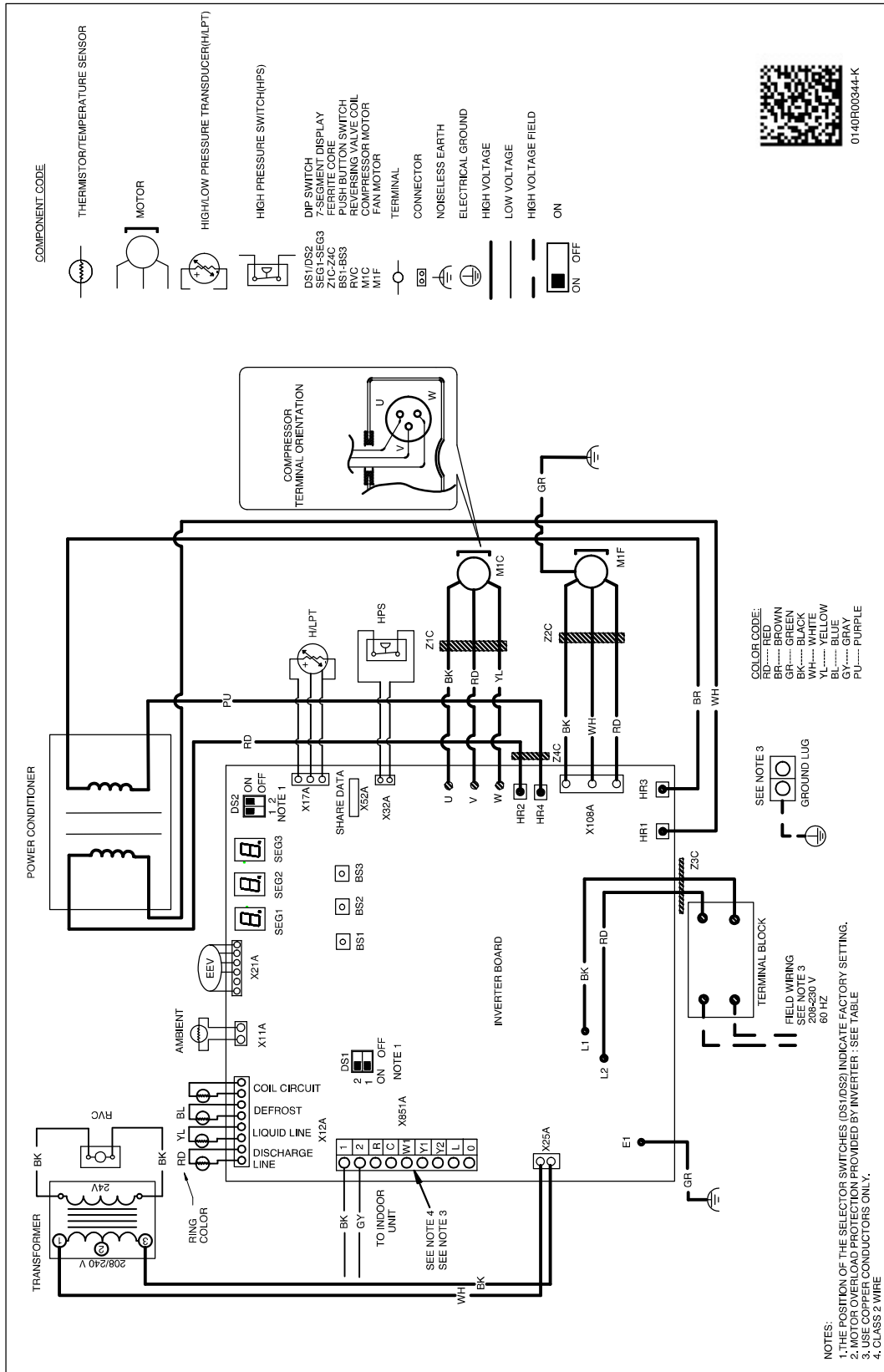
COOLING MODE

| TONNAGE | SPEED | TOTAL UNIT SOUND RATING (dBA) | OCTAVE BAND SPECTRUM FREQUENCY (Hz) ANALYSIS (dB) | | | | | | |
|---------|---------|-------------------------------------|---|------|------|------|------|------|------|
| | | | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 2-Ton | Maximum | 68 | 45.6 | 53.6 | 62.5 | 62.2 | 62.0 | 57.5 | 50.9 |
| 3-Ton | Maximum | 70 | 51.4 | 61.7 | 63.3 | 63.5 | 63.8 | 61.3 | 51.8 |
| 4-Ton | Maximum | 75 | 57.5 | 61.4 | 68.2 | 69.4 | 68.4 | 63.4 | 52.3 |
| 5-Ton | Maximum | 75 | 55.2 | 61.2 | 69.8 | 69.2 | 68.6 | 65.7 | 56.9 |

HEATING MODE

| TONNAGE | SPEED | TOTAL UNIT SOUND RATING (dBA) | OCTAVE BAND SPECTRUM FREQUENCY (Hz) ANALYSIS (dB) | | | | | | |
|---------|---------|-------------------------------------|---|------|------|------|------|------|------|
| | | | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 2-Ton | Maximum | 72 | 54.4 | 60.6 | 67.5 | 65.3 | 64.4 | 63.3 | 51.6 |
| 3-Ton | Maximum | 72 | 53.8 | 57.5 | 66.1 | 66.0 | 64.0 | 61.1 | 51.8 |
| 4-Ton | Maximum | 76 | 57.0 | 67.1 | 68.4 | 71.2 | 69.0 | 66.0 | 53.5 |
| 5-Ton | Maximum | 76 | 55.8 | 62.6 | 69.1 | 71.6 | 70.3 | 66.2 | 55.3 |

Note: Tested in accordance with AHRI Standard 270.

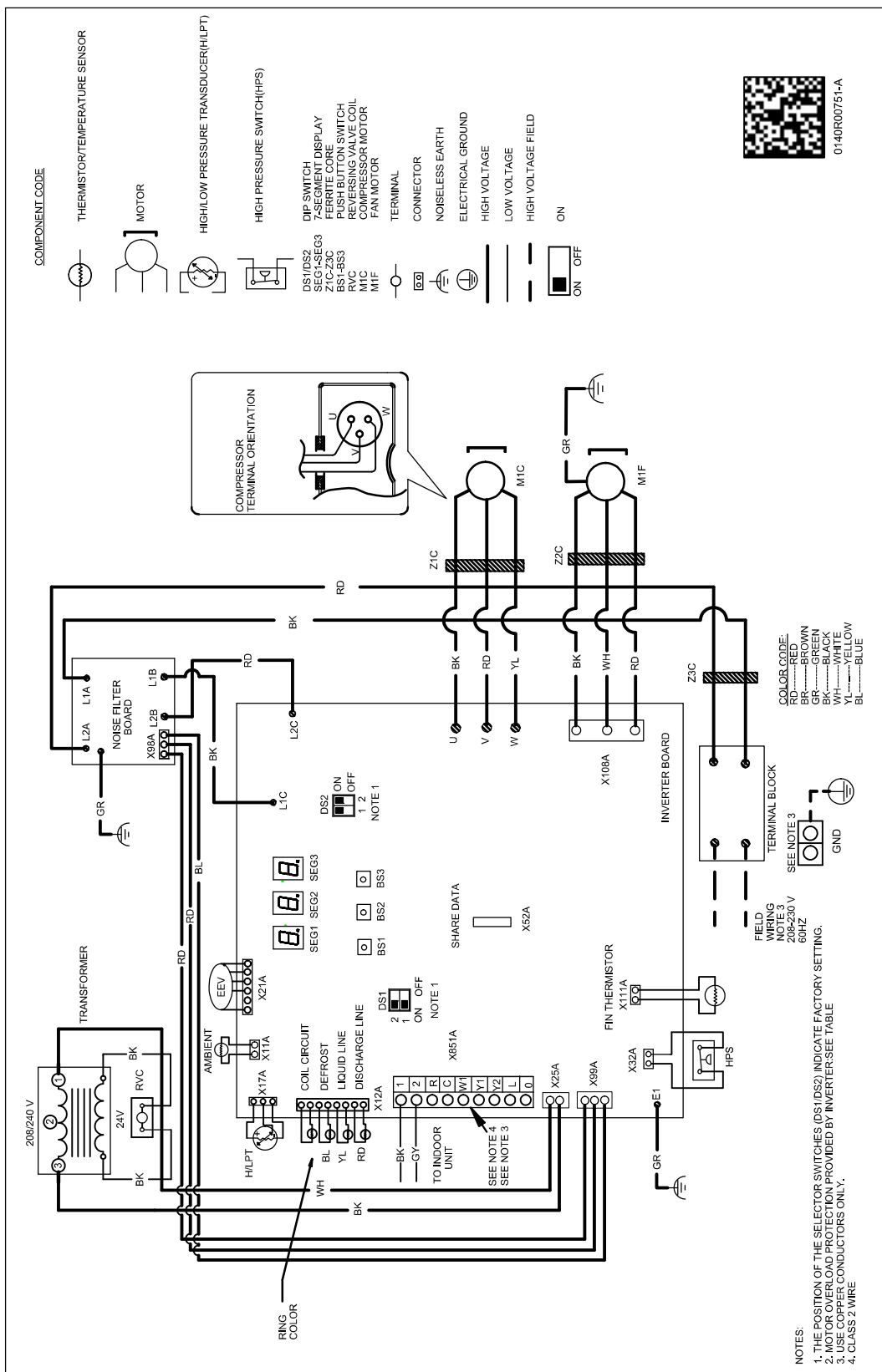


0140R00344-K

WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

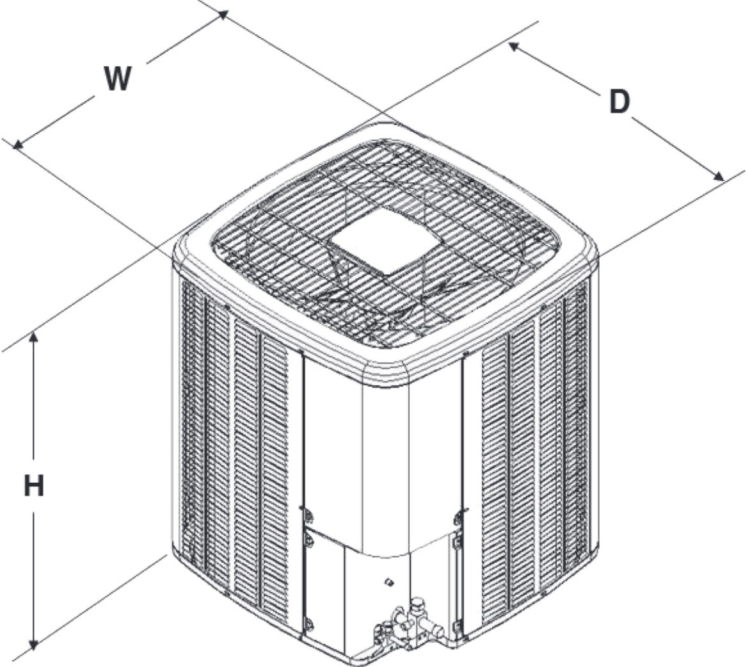
Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



WARNING **High Voltage:** Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

DIMENSIONS



| MODEL # | DIMENSIONS | | |
|--------------|------------|-----|-----|
| | W" | D" | H" |
| ASZV902410A* | 35½ | 35½ | 38¼ |
| ASZV903610A* | 35½ | 35½ | 41¼ |
| ASZV904810A* | 35½ | 35½ | 41¼ |
| ASZV906010A* | 35½ | 35½ | 41¼ |

ACCESSORIES

| MODEL | DESCRIPTION | ASZV902410A* | ASZV903610A* | ASZV904810A* | ASZV906010A* |
|---------|---------------------------------|--------------|--------------|--------------|--------------|
| ABK-20 | Anchor Bracket Kit [◇] | X | X | X | X |
| TXV-V24 | TXV Kit | X | | | |
| TXV-V36 | TXV Kit | | X | | |
| TXV-V48 | TXV Kit | | | X | |
| TXV-V60 | TXV Kit | | | | X |

[◇] Contains 20 brackets; four brackets needed to anchor unit to pad

All AHRI system ratings are accessible in the System Configurator tool via PartnerLink.

