



COMMERCIAL PRODUCT CATALOG



GEOTHERMAL AND WATER SOURCE HEAT PUMPS



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Our Mission

To revolutionize the way homes and communities are heated and cooled by developing and manufacturing products that foster healthy, comfortable, and sustainable living environments for all.



Our Philosophy

Enertech Global was founded in 1996 as a family-owned and operated geothermal heat pump distributor. Since then, we've evolved to a manufacturer, delivering award-winning innovation and the highest quality products, from design to build. When you install an Enertech-built heat pump properly, you can be confident it will perform as it should. We've outgrown our family-owned status, but Enertech is still and always will be family-operated, with each employee and customer a valued member of our family. When you're part of the Enertech family, you experience:

PARTNERSHIP:

Our relationship is based on mutual respect and success. For us to thrive, we must help you thrive. This may mean going on-site with you for a job you're trying to secure or offering training to your employees, to help them become the best they can be.

PASSION:

Our employees are our best asset. We work with passion from product development to taking orders, selecting accessories, and building Enertech heat pumps. Visit our factory in Mitchell, SD, to see firsthand why our products are exceptional.

LOYALTY:

We are committed to earning the trust and allegiance of our product installers, distributors, and commercial reps. We firmly believe that they deserve our highest quality and service, which positions us uniquely to enhance the profitability of their businesses.

CUSTOMER DRIVEN:

We listen. We act. Our decisions are always guided by our customers. You can experience this by being a part of our Dealer and Distributor Councils, which meet throughout a new product design and build to ensure we're including features and benefits that enhance your business and your customer's experience.

SOLUTION-ORIENTED:

Our customer's best interest is always our first priority. When needed we will work closely with our customers to find creative solutions, even if this means working outside our normal processes to ensure a mutually beneficial resolution.

QUALITY:

Our team is committed to manufacturing and providing the highest quality products. We prioritize customer feedback and ensure thorough testing of each unit. Enertech's equipment testing is the

most robust in the industry, featuring a computerized run test station with helium leak detection and waterside decay testing. We test units in all heating and cooling modes to meet our high standards. To demonstrate our commitment, Enertech is certified to ISO 9001, ISO 14001, and ISO 45001 quality and environmental management standards.



FORWARD THINKING:

We believe in contributing to the well-being of communities, cities, and countries where we do business. We aim to improve the global atmosphere and environment, ensuring you can trust a company that prioritizes sustainability over profit.

Heating and cooling solutions for commercial buildings need to be reliable, efficient, and affordable.



Geothermal heat pumps are increasingly becoming the best option for many commercial applications. In fact, the U.S. Department of Energy, the U.S. EPA, and Natural Resources Canada have all declared geothermal systems **the most environmentally friendly and energy efficient** heating and cooling systems currently available.

Commonly called Ground Source Heat Pumps, geothermal systems are unique in that they use the natural energy stored in the ground for heating and cooling. This creates a compelling set of benefits,

including low operational costs, reduced maintenance and long equipment lifecycle.

Plus **they work in almost any application, while providing incredibly**

efficient heating and cooling in any season. Geothermal systems are ideal for new construction, and also work well for retrofitting older buildings.

Tax Incentives for Commercial Projects

In 2022, the commercial tax credit was extended until 2032 under a two-tier structure. **The first tier is a “base rate” of 6% or 1/5 of the bonus rate.** The “bonus rate” is 30%. To receive the bonus rate, the project is required to meet either of the following guidelines set by the IRS:

- » Meet prevailing wage and apprenticeship requirements
- » Have a maximum system net output of less than 1 megawatt of electrical (AC) or thermal energy; approximately 284 tons for geothermal heat pumps.

DOMESTIC CONTENT BONUS

The Domestic Content Bonus consists of an additional 10% to the tax credit. To qualify for the Domestic Content Bonus, a project's materials must meet the following two requirements:

- » 100% of iron or steel must be made in the United States
- » The adjusted percentage of the total domestic costs of manufactured products, such as a geothermal heat pump, must be 50% or greater for projects beginning construction in 2026.

Projects over 1MW must meet specified labor requirements to receive the 10% domestic content bonus. For larger projects that do not meet the labor requirements, the domestic content bonus increases the tax credit by 2%.

ENERGY COMMUNITY BONUS TAX CREDIT

The Energy Community bonus tax credit provides up to a 10% incentive for clean energy projects in communities on sites

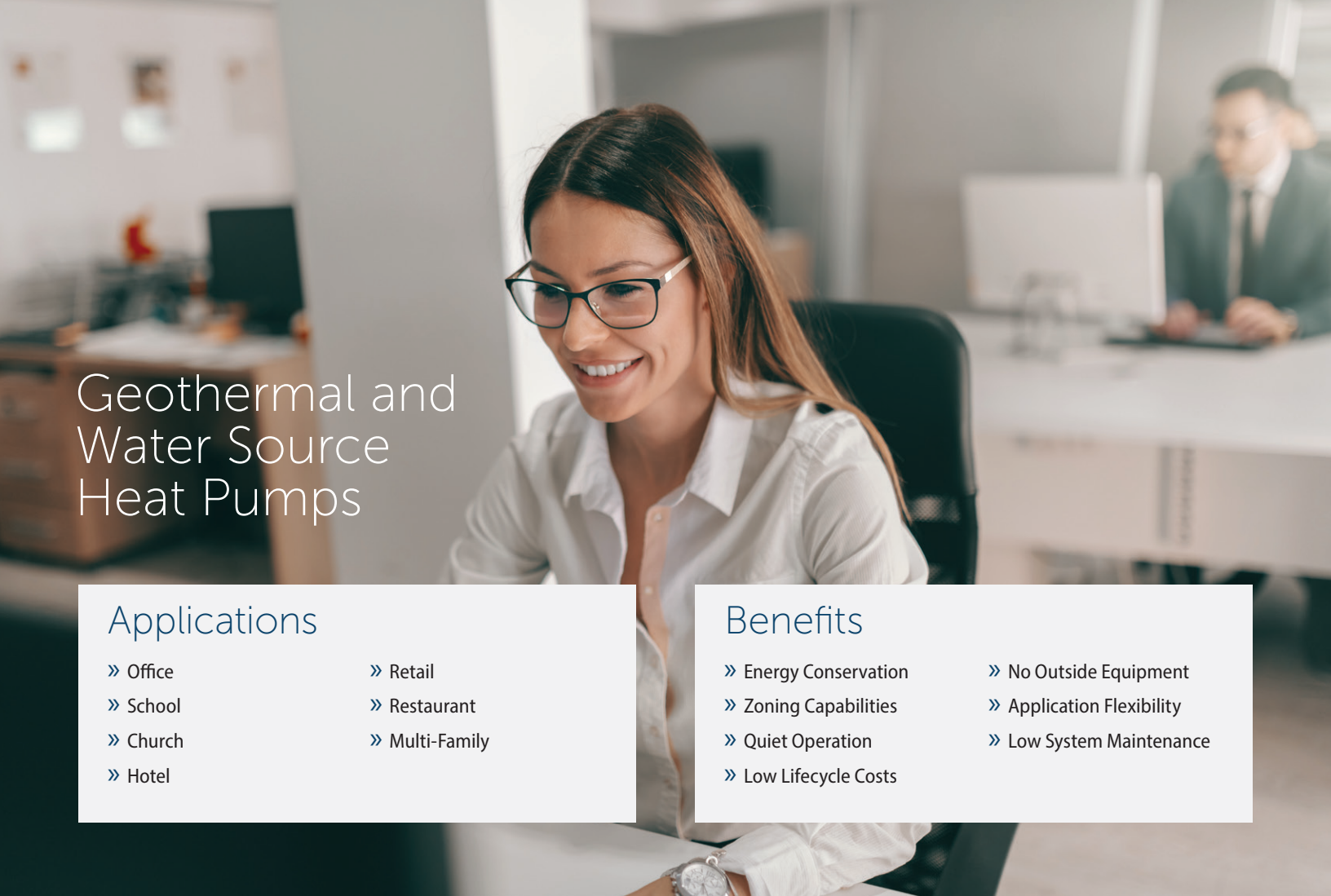
of legacy energy production. Projects under 1 MW qualify for the full 10% credit. Larger projects receive a 2% credit unless apprenticeship and prevailing wage requirements are met, in which case the full 10% applies. The credit is available to taxable and tax-exempt entities, including state, local, and tribal governments.



For additional information on Energy Community qualifications.

CREDIT MONETIZATION

The Inflation Reductions Act of 2022 includes a direct payment option for nontaxable entities, including nonprofits. This allows the tax credit to be monetized for equipment installed between January 1, 2023, through December 31, 2032.



Geothermal and Water Source Heat Pumps

Applications

- » Office
- » School
- » Church
- » Hotel
- » Retail
- » Restaurant
- » Multi-Family

Benefits

- » Energy Conservation
- » Zoning Capabilities
- » Quiet Operation
- » Low Lifecycle Costs
- » No Outside Equipment
- » Application Flexibility
- » Low System Maintenance

QUALITY AND RELIABILITY

Enertech's concentration on continuous improvement and quality control has made reliability one of our greatest assets. Each unit coming off of the assembly line visits a state-of-the-art test station. In fact, testing on Enertech equipment is among the most robust in the industry.

Testing includes a computerized run test station, featuring helium leak detection and waterside decay testing, as well as a halogen leak procedure and a visual quality inspection. In the run test, each unit is tested in all heating and cooling modes, because we want every unit that leaves our factory to live up to the high standards we've come to be known for.

Here are some additional ways that Enertech's Commercial Series models are designed with reliability in mind:

- » Factory installed condensate overflow sensor on drain pans for continual property protection
- » Use of Copeland scroll compressors, which are widely recognized as high quality, efficient and reliable
- » All-aluminum microchannel air coils eliminate failure caused by formicary corrosion. These coils also improve heat transfer, which increases efficiency and reduces operating costs.
- » Variable speed ECM blower motors deliver optimum airflow with multiple CFM settings to fit any installation

Make the smart choice for your next commercial project.

ZS/ZT | SINGLE OR TWO-STAGE

Compact Horizontal Packaged Unit

The Commercial Series Compact Horizontal Packaged water source heat pump features a smaller footprint to fit between 24" O.C. trussing. The unit is field convertible for side or end discharge.



Forced air heating and cooling



EPIC remote system monitoring and diagnostics (optional on VS015-018, VT)

ZS CAPACITIES

006 009 012 015 017 018

CABINET FINISH



Galvanized Steel



ZT CAPACITIES

024 030 036 042 048 060 072

UNIT FEATURES:

- » Available voltages:
 - » 208/230V, 60Hz, 1Ph (.5-6 ton)
 - » 208/230V, 60Hz, 3Ph (2-6 ton)
 - » 265V, 60Hz, 1Ph (1.25-3 ton)
 - » 460V, 60Hz, 3Ph (2-6 ton)
- » ZS006-017 – Rotary Compressor
- » ZS018 – Copeland Single-Stage Scroll Compressor
- » ZT – Copeland 2-Stage Scroll Compressor
- » All-aluminum microchannel air coil
- » Foam enclosed source side heat exchanger
- » Elastomeric compressor isolation
- » PSC (006, 009, 012 only) or ECM (015-072 only) blower motor
- » UL GREENGUARD Gold foam cabinet insulation

AHRI PERFORMANCE DATA

ZS — Single Stage Compact Horizontal Packaged (PLEASE NOTE PSC AND ECM BLOWER LISTINGS)

Model	Type	Cooling with PSC Blower		Heating with PSC Blower		Cooling with ECM Blower Option		Heating with ECM Blower Option		Dimensional Data				Unit Weight (lbs)
		BTU	EER	BTU	COP	BTU	EER	BTU	COP	Height	Width	Depth		
ZS006	Water Loop	6,000	14.2	7,800	5.2	-	-	-	-	12.0"	20.0"	40.0"	Add 2.4" to width w/ filter rack	140
	Ground Water	6,900	22.9	6,300	4.3	-	-	-	-					
	Ground Loop	6,300	16.6	4,700	3.3	-	-	-	-					
ZS009	Water Loop	9,200	14.3	11,700	4.9	-	-	-	-	12.0"	20.0"	40.0"	Add 2.4" to width w/ filter rack	140
	Ground Water	9,800	20.9	9,000	4.2	-	-	-	-					
	Ground Loop	9,200	15.9	7,300	3.5	-	-	-	-					
ZS012	Water Loop	11,000	12.5	14,125	4.3	-	-	-	-	12.0"	20.0"	40.0"	Add 2.4" to width w/ filter rack	140
	Ground Water	12,400	18.7	11,700	3.7	-	-	-	-					
	Ground Loop	11,300	14.1	9,500	3.2	-	-	-	-					
ZS015	Water Loop	-	-	-	-	13,700	15.8	17,800	5.7	17.0"	21.0"	40.0"	Add 2.4" to width w/ filter rack	173
	Ground Water	-	-	-	-	15,600	24.9	14,300	4.8					
	Ground Loop	-	-	-	-	14,200	17.6	11,200	3.9					

ZS017	Water Loop	-	-	-	-	17,000	15.6	20,600	5.3	17.0"	21.0"	40.0"	Add 2.4" to width w/ filter rack	173
	Ground Water	-	-	-	-	18,000	21.9	15,800	4.1					
	Ground Loop	-	-	-	-	16,600	16.3	12,500	3.4					
ZS018	Water Loop	-	-	-	-	19,725	18.0	21,900	5.5	19.2"	21.7"	52"	Add 2.4" to width w/ filter rack	230
	Ground Water	-	-	-	-	21,400	26.0	17,500	4.7					
	Ground Loop	-	-	-	-	20,100	18.7	14,100	3.7					

NOTES:

- Rated in accordance with AHRI/ISO standard 13256-1, which includes pump penalties
- Heating capacities based on 68.0°F DB, 59.0°F WB entering air temperature
- Cooling capacities based on 80.6°F DB, 66.2°F WB entering air temperature
- Ground Loop Entering water temperatures Full Load: 32°F heating / 77°F cooling
- Ground Water Entering water temperatures for Full Load and Part Load: 50°F Heating / 59°F Cooling
- Water Loop Entering water temperatures for Full Load and Part Load: 68°F Heating / 86°F Cooling

ZT — Two Stage Compact Horizontal Packaged

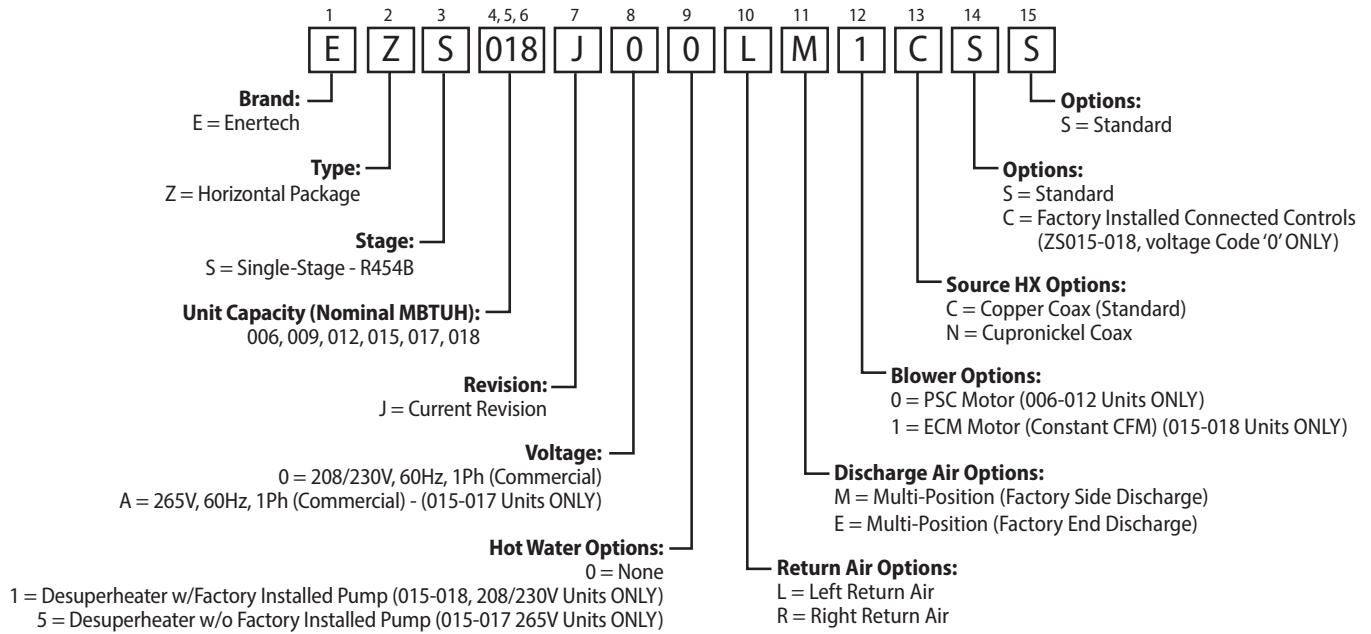
Model	Type	Cooling BTU				Heating BTU				Dimensional Data				Unit Weight (lbs)
		Full Load	EER	Part Load	EER	Full Load	COP	Part Load	COP	Height	Width	Depth		
ZT024	Water Loop	25,300	16.0	18,200	18.0	28,950	5.3	21,000	6.0	19.2"	21.7"	52"	Add 2.4" to width w/filter rack	236
	Ground Water	28,200	23.7	20,800	29.7	22,900	4.6	16,600	4.6					
	Ground Loop	26,400	18.3	20,000	25.0	18,300	3.9	14,500	4.1					
ZT030	Water Loop	31,475	15.3	22,475	16.5	36,350	5.1	26,450	5.5	19.2"	21.7"	52"	Add 2.4" to width w/filter rack	245
	Ground Water	32,600	21.6	24,700	26.5	28,800	4.5	21,400	4.5					
	Ground Loop	31,500	17.5	23,900	22.7	23,300	3.7	19,300	4.0					
ZT036	Water Loop	35,175	16.1	25,700	18.0	42,300	5.1	31,000	5.7	21.2"	21.7"	56"	Add 2.4" to width w/filter rack	263
	Ground Water	39,400	23.6	29,100	31.8	34,000	4.6	24,400	4.8					
	Ground Loop	36,700	17.9	28,100	26.6	27,100	3.8	22,000	4.3					
ZT042	Water Loop	43,100	16.3	32,175	17.8	50,100	4.7	36,100	5.2	21.2"	21.7"	56"	Add 2.4" to width w/filter rack	280
	Ground Water	46,000	23.4	34,800	30.5	40,100	4.4	28,900	4.6					
	Ground Loop	43,000	18.0	33,500	25.3	32,900	3.6	26,400	4.1					
ZT048	Water Loop	46,500	15.1	34,600	16.6	55,300	4.9	40,400	5.6	21.2"	21.7"	56"	Add 2.4" to width w/filter rack	293
	Ground Water	52,200	22.1	39,600	29.4	45,900	4.4	32,800	4.6					
	Ground Loop	48,700	17.3	38,000	24.4	36,900	3.6	29,300	4.1					
ZT060	Water Loop	57,100	15.5	42,000	17.0	70,700	4.8	50,900	5.4	21.2"	24"	61"	Add 2.4" to width w/filter rack	303
	Ground Water	62,000	21.2	47,300	27.9	58,500	4.2	41,300	4.5					
	Ground Loop	59,000	16.9	45,800	23.7	46,800	3.6	36,400	4.0					
ZT072	Water Loop	66,600	13.7	50,700	15.2	83,200	4.5	62,700	5.1	21.2"	24"	61"	Add 2.4" to width w/filter rack	312
	Ground Water	73,500	19.2	58,100	24.8	67,500	4.0	49,200	4.2					
	Ground Loop	69,500	15.6	56,000	21.3	55,500	3.4	44,400	3.8					

NOTES:

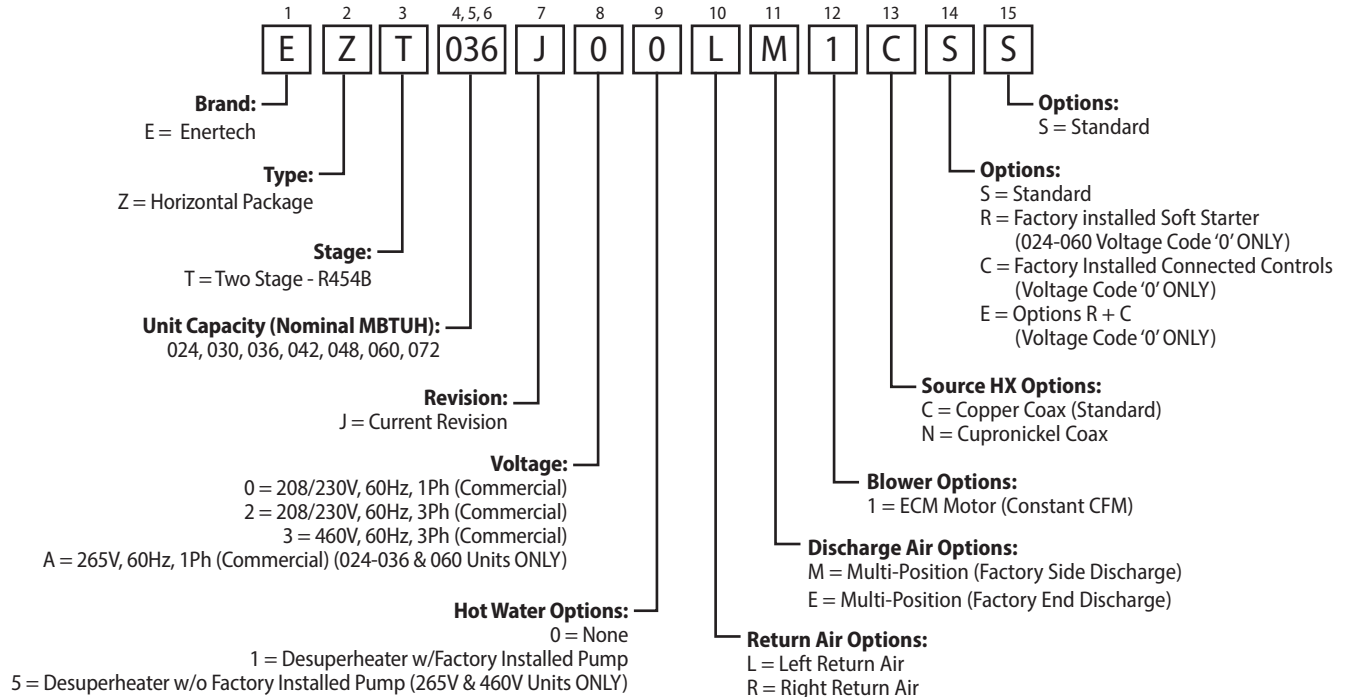
- Rated in accordance with AHRI/ISO standard 13256-1, which includes pump penalties
- Heating capacities based on 68.0°F DB, 59.0°F WB entering air temperature
- Cooling capacities based on 80.6°F DB, 66.2°F WB entering air temperature
- Ground loop entering water temperatures Full Load: 32°F heating / 77°F cooling
- Ground loop entering water temperatures Part Load: 41°F heating / 68°F cooling
- Ground Water Entering water temperatures for Full Load and Part Load: 50°F Heating / 59°F Cooling
- Water Loop Entering water temperatures for Full Load and Part Load: 68°F Heating / 86°F Cooling



ZS SERIES – MODEL NOMENCLATURE



ZT SERIES – MODEL NOMENCLATURE



VS/VT | SINGLE OR TWO-STAGE

Compact Vertical Packaged Unit

Enertech's VS/VT compact vertical models provide forced-air heating and cooling with outstanding performance, whisper-quiet operation and a small footprint. They're available in single and two-stage configuration, in a variety of tonnages to fit any installation.

-  Forced air heating and cooling
-  EPIC remote system monitoring and diagnostics (optional on VS015-018, VT)



VS CAPACITIES

006	009	012	015	018
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VT CAPACITIES

024	030	036	042	048	060	072
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CABINET FINISH OPTIONS

-  Carbon Grey with Stainless Steel Front Panel
-  Galvanized Steel



UNIT FEATURES:

- » Available voltages
 - » 208/230V, 60Hz, 1Ph (.5-6 ton)
 - » 208/230V, 60Hz, 3Ph (2-6 ton)
 - » 460V, 60Hz, 3Ph (2-6 ton)
 - » 265V, 60Hz, 1Ph (015 VS, (024-036 & 048-060 VT)
- » All-aluminum microchannel air coil
- » Single or 2-stage Copeland compressor
- » PSC (006, 009, 012 only) or ECM (015-072 only) blower motor
- » Optional factory installed desuperheater
- » Elastomeric compressor isolation
- » Foam insulated coaxial heat exchanger
- » UL GREENGUARD Gold foam cabinet insulation

AHRI PERFORMANCE DATA

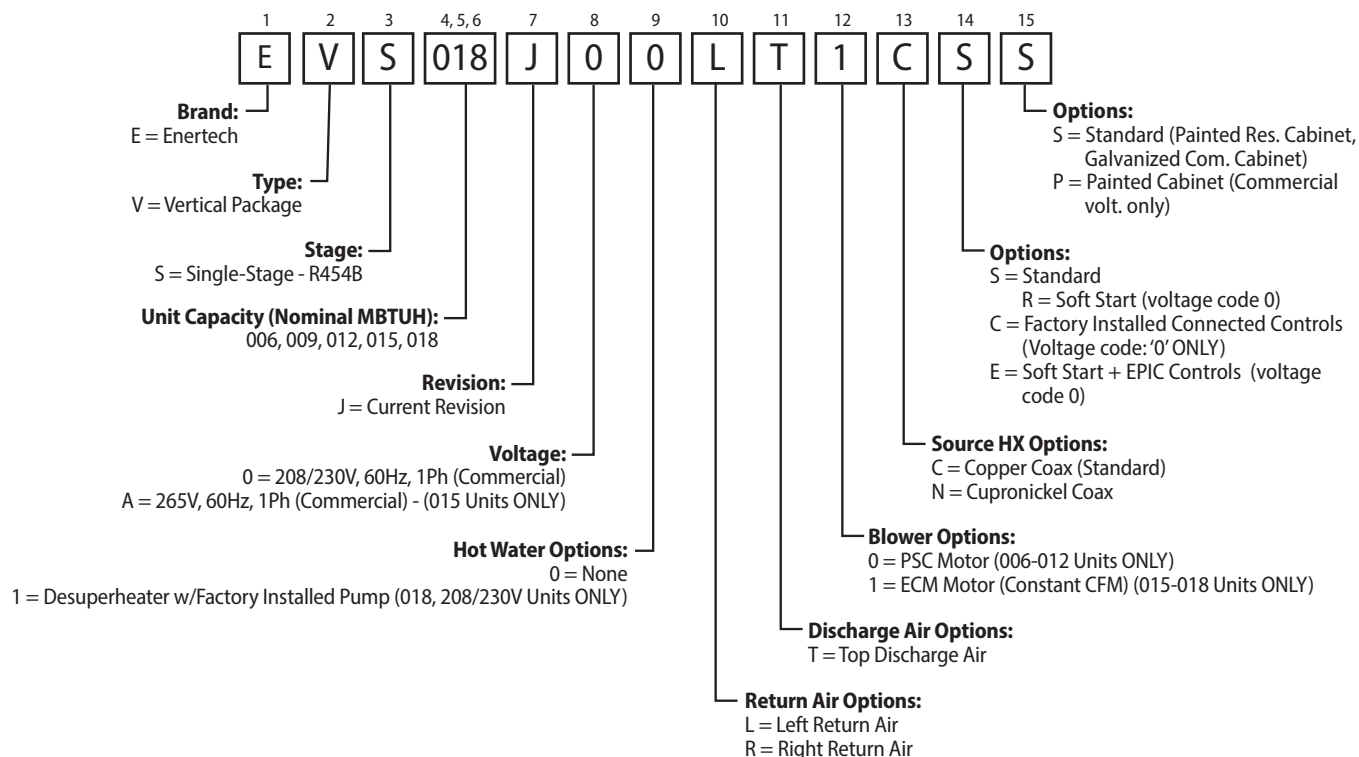
VS — Single Stage Compact Vertical Packaged (PLEASE NOTE PSC AND ECM BLOWER LISTINGS)														
Model	Type	Cooling with PSC Blower		Heating with PSC Blower		Cooling with ECM Blower Option		Heating with ECM Blower Option		Dimensional Data			Height with Control Box	Unit Weight (lbs)
		BTU	EER	BTU	COP	BTU	EER	BTU	COP	Height	Width	Depth		
VS006	Water Loop	6,800	16.0	8,400	5.5	-	-	-	-	30"	21.5"	21.5"	—	167
	Ground Water	7,600	25.9	6,500	4.4	-	-	-	-					
	Ground Loop	7,000	18.6	4,900	3.4	-	-	-	-					
VS009	Water Loop	10,200	16.3	12,425	5.2	-	-	-	-	30"	21.5"	21.5"	—	234
	Ground Water	11,900	22.1	10,600	4.4	-	-	-	-					
	Ground Loop	10,900	17.4	8,500	3.6	-	-	-	-					
VS012	Water Loop	12,150	15.7	14,575	5.0	-	-	-	-	30"	21.5"	21.5"	—	234
	Ground Water	13,400	24.1	12,100	4.3	-	-	-	-					
	Ground Loop	11,900	18.1	9,400	3.6	-	-	-	-					
VS015	Water Loop	-	-	-	-	15,775	19.9	17,700	6.4	37.3"	22.5"	22.5"	—	234
	Ground Water	-	-	-	-	17,400	31.6	14,400	5.4					
	Ground Loop	-	-	-	-	16,000	22.3	11,500	4.3					
VS018	Water Loop	-	-	-	-	21,300	20.5	23,700	6.3	37.3"	22.5"	22.5"	—	260
	Ground Water	-	-	-	-	23,200	30.5	19,600	5.3					
	Ground Loop	-	-	-	-	21,700	22.2	15,400	4.0					

VT — Two Stage Compact Vertical Packaged														
Model	Type	Cooling BTU				Heating BTU				Dimensional Data			Height with Control Box	Unit Weight (lbs)
		Full Load	EER	Part Load	EER	Full Load	COP	Part Load	COP	Height	Width	Depth		
VT024	Water Loop	24,650	17.5	18,150	19.8	29,100	5.6	21,100	6.5	37.3"	22.5"	22.5"	—	248
	Ground Water	27,600	23.8	19,900	28.4	23,900	4.6	16,800	4.4					
	Ground Loop	25,800	18.6	19,300	24.2	19,400	4.0	14,800	3.8					
VT030	Water Loop	31,750	16.9	23,175	18.9	37,150	5.2	27,600	5.7	37.3"	22.5"	22.5"	—	265
	Ground Water	34,100	23.1	26,500	30.4	30,300	4.6	22,100	4.7					
	Ground Loop	32,200	18.4	25,500	25.8	24,300	3.8	20,000	4.2					
VT036	Water Loop	36,975	16.3	27,250	17.9	45,500	5.3	32,375	5.4	37.3"	22.5"	22.5"	—	271
	Ground Water	40,000	22.8	29,500	29.8	36,900	4.6	25,700	4.7					
	Ground Loop	37,400	17.7	28,500	25.2	29,500	3.9	22,900	4.2					
VT042	Water Loop	44,000	16.8	32,000	18.5	51,725	5.5	38,625	6.1	41.0"	25.0"	27.9"	—	357
	Ground Water	49,200	24.0	36,500	31.4	40,100	4.6	28,800	4.7					
	Ground Loop	45,900	18.5	35,100	26.0	32,400	3.9	25,500	4.2					
VT048	Water Loop	49,300	16.2	34,000	17.9	58,400	5.3	42,100	6.0	41.0"	25.0"	27.9"	—	361
	Ground Water	53,600	24.5	39,100	32.6	48,500	4.9	34,800	5.3					
	Ground Loop	50,300	18.8	37,400	26.6	38,500	4.0	30,800	4.6					
VT060	Water Loop	58,600	15.4	42,200	16.6	71,700	5.1	52,000	5.8	41.0"	25.0"	27.9"	—	373
	Ground Water	64,200	22.0	48,300	26.7	57,500	4.5	41,300	4.7					
	Ground Loop	60,900	17.6	46,600	23.6	46,300	3.8	36,600	4.2					
VT072	Water Loop	66,200	13.9	50,600	15.2	80,025	4.8	61,000	5.4	41.0"	25.0"	27.9"	—	375
	Ground Water	72,800	19.7	56,900	24.5	64,700	4.1	49,600	4.3					
	Ground Loop	68,900	15.8	55,300	21.1	51,800	3.4	44,000	3.9					

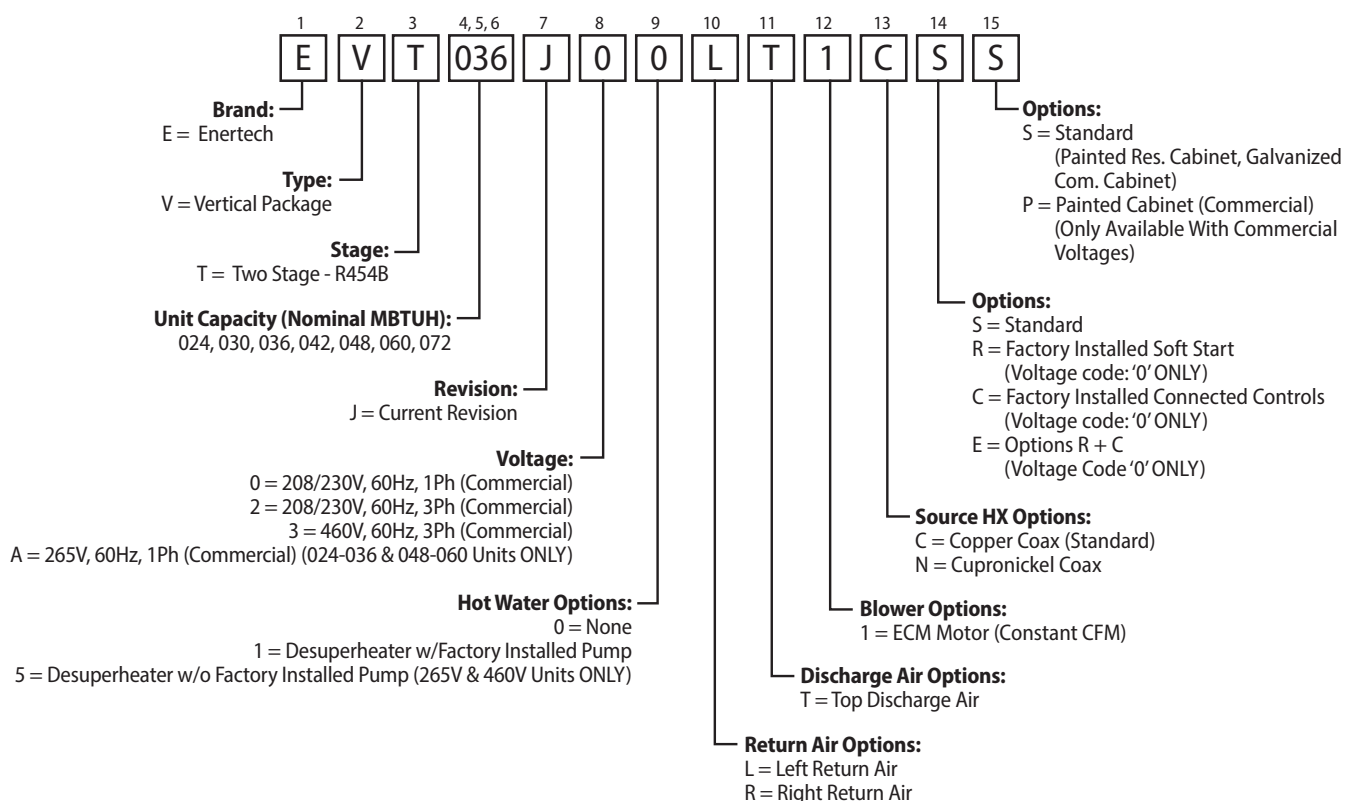
VS/VT NOTES:

- Rated in accordance with AHRI/ISO standard 13256-1, which includes pump penalties
- Heating capacities based on 68.0°F DB, 59.0°F WB entering air temperature
- Cooling capacities based on 80.6°F DB, 66.2°F WB entering air temperature
- Ground loop entering water temperatures Full Load: 32°F heating / 77°F cooling
- Ground loop entering water temperatures Part Load: 41°F heating / 68°F cooling
- All Desuperheater connections are 3/4" FPT
- (VT) Width excludes filter rack (add 2.4" to width for rack)
- Ground Water Entering water temperatures for Full Load and Part Load: 50°F Heating / 59°F Cooling
- Water Loop Entering water temperatures for Full Load and Part Load: 68°F Heating / 86°F Cooling

VS SERIES – MODEL NOMENCLATURE



VT SERIES – MODEL NOMENCLATURE



BS/BT | SINGLE OR TWO-STAGE Indoor Split System

Enertech's Indoor Split system is built on a legacy of innovation and improvement. Designed from the ground up, The BS/BT incorporates the best elements from our other models into a compact, efficient and ultra-quiet system.

The split system is incredibly versatile, making it well suited for both new construction and replacement applications. The space-saving footprint makes it a perfect choice for homes with minimal space for mechanical equipment. Paired with an air handler, they can provide ducted heating and cooling, as well as domestic hot water. They can also be used with a conventional furnace to create a dual-fuel system.



-  Forced air heating and cooling
-  Domestic hot water assist
-  EPIC remote system monitoring and diagnostics (optional)

BS CAPACITY

018

BT CAPACITIES

024

036

048

060

072

CABINET FINISH OPTIONS

 Carbon Grey with Stainless Steel Front Panel

 Galvanized Steel



UNIT FEATURES:

- » Available voltages:
 - » 208/230V, 60Hz, 1Ph (1.5-6 ton)
 - » 208/230V, 60Hz, 3Ph (2-6 ton)
- » Copeland UltraTech 2-stage scroll compressor
- » Optional factory installed desuperheater
- » UL GREENGUARD Gold foam insulation
- » Factory-provided mitigation kit for field installation to provide a Refrigerant Detection System (RDS)

AHRI PERFORMANCE DATA

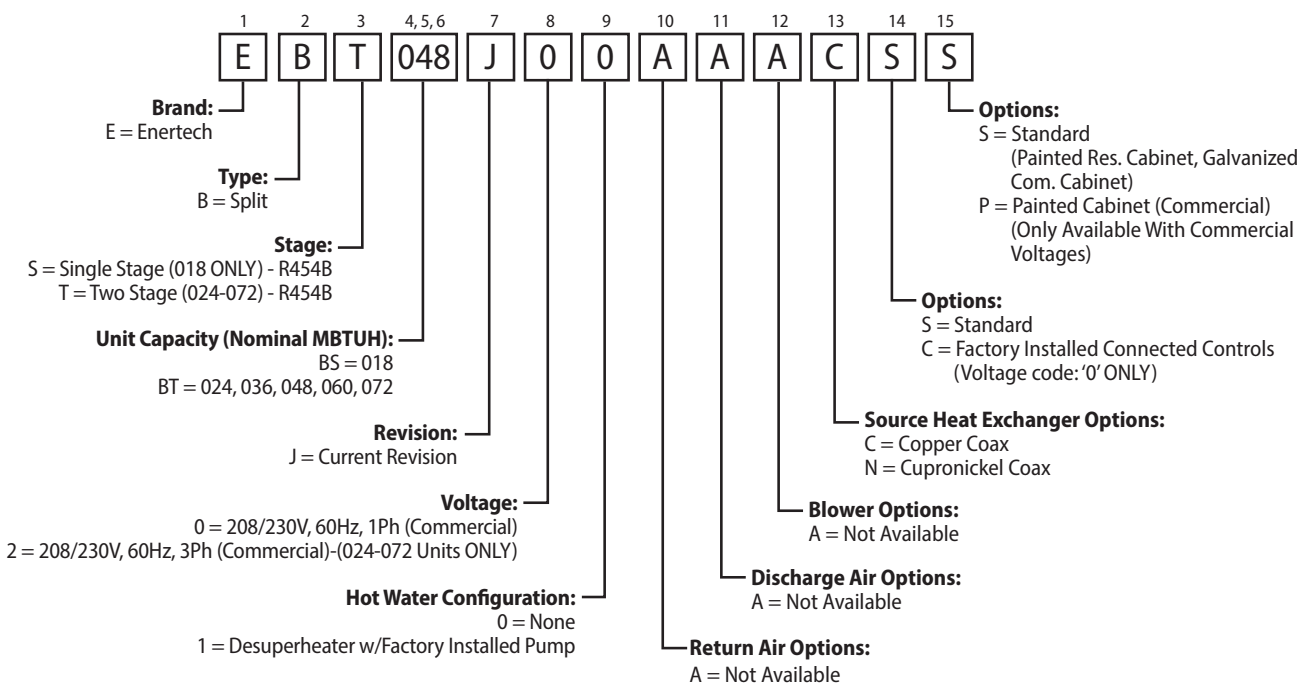
BS — Single-Stage Indoor Split															
Model	Type	Cooling BTU				Heating BTU				Dimensional Data			Ref. Conn.		Unit Weight (lbs)
		Full Load	EER	Part Load	EER	Full Load	COP	Part Load	COP	Height	Width	Depth	Liquid	Suction	
BS018	Water Loop	-	-	-	-	-	-	-	-	21"	26"	26"	3/8"	5/8"	190
	Ground Water	23,700	29.8	-	-	18,500	5.0	-	-						
	Ground Loop	21,800	21.1	-	-	14,400	3.9	-	-						

- NOTES:**
- Rated in accordance with AHRI/ISO standard 13256-1, which includes pump penalties
 - Heating capacities based on 68.0°F DB, 59.0°F WB entering air temperature
 - Cooling capacities based on 80.6°F DB, 66.2°F WB entering air temperature
 - Entering water temperatures Full Load: 32°F heating / 77°F cooling
 - Entering Water temperatures Part Load: 41°F heating / 68°F cooling
 - Ground Water Entering water temperatures for Full Load and Part Load: 50°F Heating / 59°F Cooling

BT — Two-Stage Indoor Split

Model	Type	Cooling BTU				Heating BTU				Dimensional Data			Ref. Conn.		Unit Weight (lbs)
		Full Load	EER	Part Load	EER	Full Load	COP	Part Load	COP	Height	Width	Depth	Liquid	Suction	
BT024	Water Loop	-	-	-	-	-	-	-	-	21"	26"	26"	3/8"	5/8"	190
	Ground Water	27,800	24.5	22,300	33.3	23,900	4.7	17,900	4.7						
	Ground Loop	26,300	19.5	21,500	27.8	18,800	3.9	15,400	4.3						
BT036	Water Loop	-	-	-	-	-	-	-	-	21"	26"	26"	3/8"	5/8"	201
	Ground Water	39,700	24.8	30,600	35.0	36,700	4.7	25,800	4.8						
	Ground Loop	36,900	19.2	29,300	28.9	27,800	3.8	22,600	4.3						
BT048	Water Loop	-	-	-	-	-	-	-	-	21"	26"	26"	3/8"	3/4"	TBD
	Ground Water	51,500	22.5	38,000	29.2	51,300	4.5	35,800	4.8						
	Ground Loop	47,800	17.3	36,600	24.3	41,000	3.6	31,100	4.1						
BT060	Water Loop	-	-	-	-	-	-	-	-	21"	26"	26"	3/8"	7/8"	229
	Ground Water	65,700	22.8	50,000	29.1	58,300	4.3	42,700	4.6						
	Ground Loop	61,100	17.6	48,100	24.3	46,800	3.8	38,200	4.2						
BT072	Water Loop	-	-	-	-	-	-	-	-	21"	26"	26"	3/8"	7/8"	244
	Ground Water	70,700	19.9	57,400	25.1	70,500	4.0	52,900	4.3						
	Ground Loop	67,200	15.8	54,900	21.1	57,300	3.4	47,700	3.8						

- NOTES:**
- Rated in accordance with AHRI/ISO standard 13256-1, which includes pump penalties
 - Heating capacities based on 68.0°F DB, 59.0°F WB entering air temperature
 - Cooling capacities based on 80.6°F DB, 66.2°F WB entering air temperature
 - Ground loop entering water temperatures Full Load: 32°F heating / 77°F cooling
 - Ground Loop Entering water temperatures Part Load: 41°F heating / 68°F cooling
 - Ground Water Entering water temperatures for Full Load and Part Load: 50°F Heating / 59°F Cooling

BS-BT SERIES — MODEL NOMENCLATURE


WT | TWO-STAGE

Water-to-Water Unit

Enertech's two-stage water-to-water models are designed to supply heated or chilled water for use in a wide range of heating and cooling applications, including radiant floor heating. These hydronic systems allow for constant and uniform heat distribution that eliminates hot and cold spots. The system is also reversible and capable of providing chilled water for air conditioning.

-  Radiant in-floor heating
-  Hydronic heating and cooling
-  Pool heating
-  Industrial chilled and hot water applications

WT CAPACITIES

048 060



CABINET FINISH OPTIONS

-  Carbon Grey with Stainless Steel Front Panel
-  Galvanized Steel



UNIT FEATURES:

- » Available voltages:
 - » 208/230V, 60Hz, 1Ph (4 - 5 ton)
 - » 208/230V, 60Hz, 3Ph (4 - 5 ton)
 - » 460V, 60Hz, 3Ph (4 - 5 ton)
- » Copeland 2-stage compressor
- » Optional factory installed desuperheater
- » UL GREENGUARD Gold foam cabinet insulation
- » Elastomeric compressor isolation
- » Factory-provided mitigation kit for field installation to provide a Refrigerant Detection System (RDS)

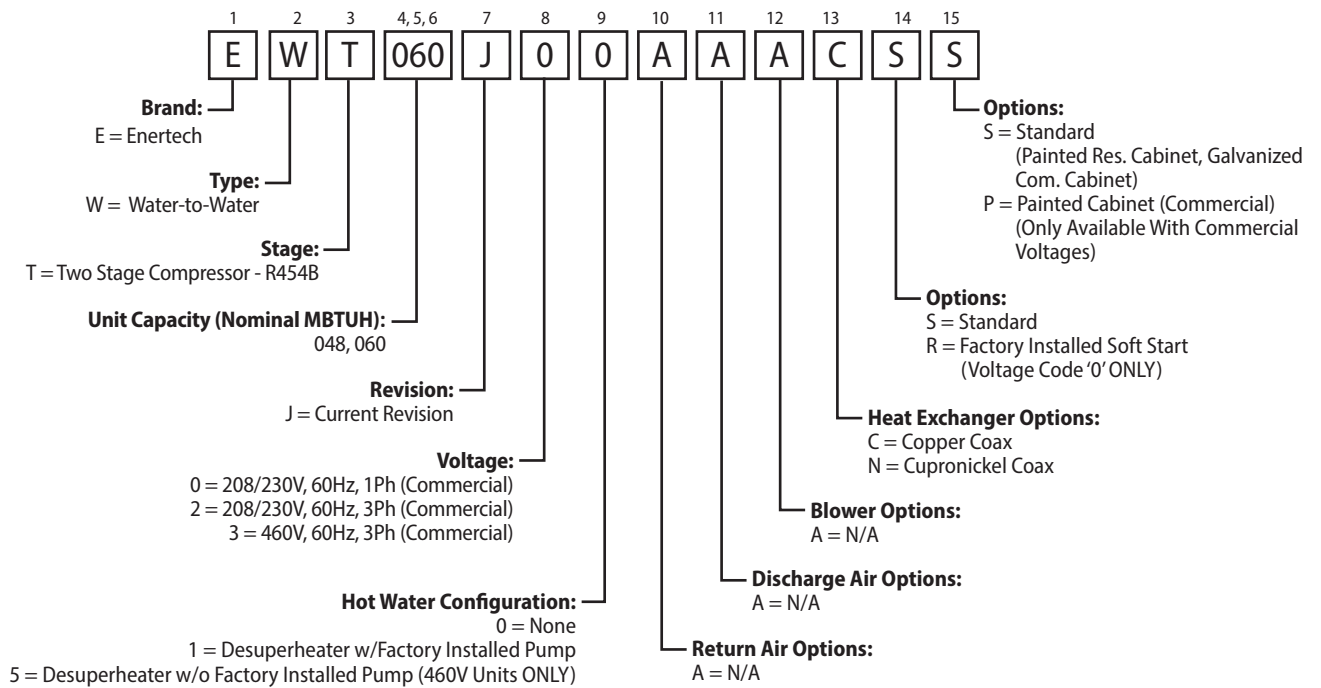
AHRI PERFORMANCE DATA

WT — Water-to-Water															
Model	Type	Cooling BTU				Heating BTU				Dimensional Data			Src. In	Src. Out	Unit Weight (lbs)
		Full Load	EER	Part Load	EER	Full Load	COP	Part Load	COP	Height	Width	Depth	Load In	Load Out	
WT048	Water Loop	48,000	14.2	34,400	14.3	73,800	5.1	52,600	5.2	23"	23"	39"	1"	1"	430
	Ground Water	52,700	21.2	38,500	24.4	61,100	4.2	42,600	4.0						
	Ground Loop	49,500	16.3	37,500	20.6	49,000	3.5	37,600	3.5						
WT060	Water Loop	58,600	14.2	43,900	14.7	82,600	4.7	61,700	4.7						
	Ground Water	62,700	20.4	47,700	23.6	67,000	3.9	49,300	3.7						
	Ground Loop	60,600	16.2	46,600	20.2	52,900	3.1	43,900	3.3						

NOTES:

- Rated in accordance with ISO Standard 13256-2, which includes pump penalties
- Ground Loop Heating capacities based on 32°F EST & 104°F ELT
- Ground Loop Cooling capacities based on 77°F EST & 53.6°F ELT
- Ground Water Heating capacities are based on 50°F EST & 104°F ELT
- Ground Water Cooling capacities are based on 59°F EST & 53.6°F ELT
- Water Loop Heating capacities are based on 86°F ELT & 53.6°F EST
- Water Loop Cooling capacities are based on 68°F ELT & 104°F EST
- Entering load temperature over 120°F heating and under 45°F Cooling is not permissible
- Floor heating is most generally designed for 85°F entering load temperature

WT SERIES – MODEL NOMENCLATURE



WS | SINGLE-STAGE

Water-to-Water Unit

Enertech's single-stage water-to-water models are designed to supply heated or chilled water for use in a wide range of heating and cooling applications, including radiant floor heating. These systems utilize brazed-plate heat exchangers for superior efficiency.

-  Radiant in-floor heating
-  Pool heating
-  Hydronic heating and cooling
-  Industrial chilled and hot water applications



WS CAPACITIES

036	048	060	072	084
-----	-----	-----	-----	-----

CABINET FINISH OPTIONS

-  Carbon Grey with Stainless Steel Front Panel
-  Galvanized Steel



UNIT FEATURES:

- » Available voltages:
 - » 208/230V, 60Hz, 1Ph/3Ph (3-7 ton)
 - » 460V, 60Hz, 3Ph (3-7 ton)
- » Copeland single stage scroll compressor
- » Thermostatic expansion valve(s)
- » Optional factory installed desuperheater
- » UL GREENGUARD Gold foam cabinet insulation
- » WS072 and WS084 units are shipped with a factory-provided mitigation kit for field installation to provide a Refrigerant Detection System (RDS)

AHRI PERFORMANCE DATA

WS — Water-to-Water															
Model	Type	Cooling BTU				Heating BTU				Dimensional Data			Src. In	Src. Out	Unit Weight (lbs)
		Full Load	EER	Part Load	EER	Full Load	COP	Part Load	COP	Height	Width	Depth	Load In	Load Out	
WS036	Water Loop	33,700	15.2	-	-	47,800	5.1	-	-	23"	26"	32"	1 1/4"	1 1/4"	259
	Ground Water	35,600	22.9	-	-	38,300	4.1	-	-						
	Ground Loop	34,900	17.7	-	-	31,000	3.3	-	-						
WS048	Water Loop	47,800	14.5	-	-	72,700	5.2	-	-	23"	26"	32"	1 1/4"	1 1/4"	277
	Ground Water	52,500	22.9	-	-	58,700	4.2	-	-						
	Ground Loop	50,500	17.3	-	-	45,200	3.2	-	-						
WS060	Water Loop	61,200	14.7	-	-	87,100	4.9	-	-	23"	26"	32"	1 1/4"	1 1/4"	277
	Ground Water	65,700	21.5	-	-	70,400	4.0	-	-						
	Ground Loop	63,300	16.9	-	-	53,800	3.2	-	-						
WS072 (1 Phase)	Water Loop	69,000	14.6	-	-	96,400	4.8	-	-	23"	26"	32"	1 1/4"	1 1/4"	277
	Ground Water	72,800	19.6	-	-	77,600	4.0	-	-						
	Ground Loop	70,700	16.4	-	-	60,100	3.2	-	-						
WS084 (1 Phase)	Water Loop	82,500	14.2	-	-	114,600	4.6	-	-	23"	26"	32"	1 1/4"	1 1/4"	277
	Ground Water	88,000	19.1	-	-	92,900	3.9	-	-						
	Ground Loop	85,500	16.1	-	-	73,700	3.1	-	-						

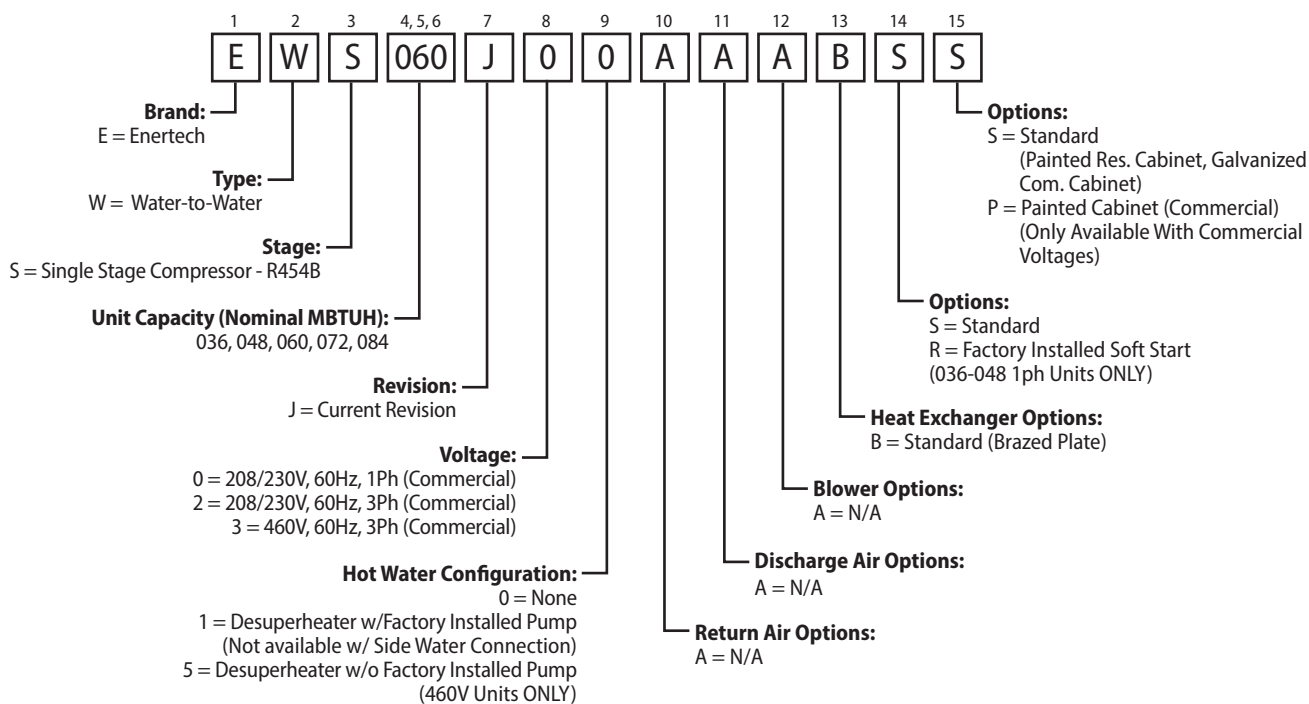
WS — Water-to-Water

Model	Type	Cooling BTU				Heating BTU				Dimensional Data			Src. In	Src. Out	Unit Weight (lbs)
		Full Load	EER	Part Load	EER	Full Load	COP	Part Load	COP	Height	Width	Depth	Load In	Load Out	
WS072 (3 Phase)	Water Loop	68,100	14.6	-	-	99,200	4.9	-	-	23"	26"	32"	1 1/4"	1 1/4"	277
	Ground Water	73,000	21.5	-	-	77,500	4.0	-	-						
	Ground Loop	70,600	16.7	-	-	59,600	3.1	-	-						
WS084 (3 Phase)	Water Loop	78,200	14.3	-	-	104,200	4.6	-	-	23"	26"	32"	1 1/4"	1 1/4"	277
	Ground Water	83,400	20.7	-	-	88,200	3.9	-	-						
	Ground Loop	81,200	16.3	-	-	68,000	3.2	-	-						

NOTES:

- Rated in accordance with ISO Standard 13256-2, which includes pump penalties
- Ground Loop Heating capacities based on 32°F EST & 104°F ELT
- Ground Loop Cooling capacities based on 77°F EST & 53.6°F ELT
- Ground Water Heating capacities are based on 50°F EST & 104°F ELT
- Ground Water Cooling capacities are based on 59°F EST & 53.6°F ELT
- Water Loop Heating capacities are based on 86°F ELT & 53.6°F EST
- Water Loop Cooling capacities are based on 68°F ELT & 104°F EST
- Entering load temperature over 120°F heating and under 45°F Cooling is not permissible
- Floor heating is most generally designed for 85°F entering load temperature

WS SERIES — MODEL NOMENCLATURE



YT | MULTI-POSITIONAL TWO-STAGE Vertical Packaged Unit

The Enertech Commercial Series YT geothermal system delivers ducted, forced-air heating and cooling. YT models are among the most efficient models and feature whisper-quiet operation. An innovative multi-positional cabinet is field convertible to right or left return with top or side discharge.

-  Forced air heating and cooling
-  EPIC remote system monitoring and diagnostics (optional)

YT CAPACITIES

024 036 048 060 072



CABINET FINISH OPTIONS

-  Carbon Grey with Stainless Steel Front Panel
-  Galvanized Steel



UNIT FEATURES:

- » Available voltages
 - » 208/230V, 60Hz, 1Ph/3Ph (2-6 ton)
 - » 460V, 60Hz, 3Ph (2-6 ton)
- » Copeland 2-stage compressor
- » All-aluminum microchannel air coil
- » ECM blower motor
- » Optional factory installed desuperheater
- » Foam insulated coaxial heat exchanger
- » UL GREENGUARD Gold foam cabinet insulation
- » Elastomeric compressor isolation
- » Eye level controls
- » Factory-installed Refrigerant Detection System (060 and 072)

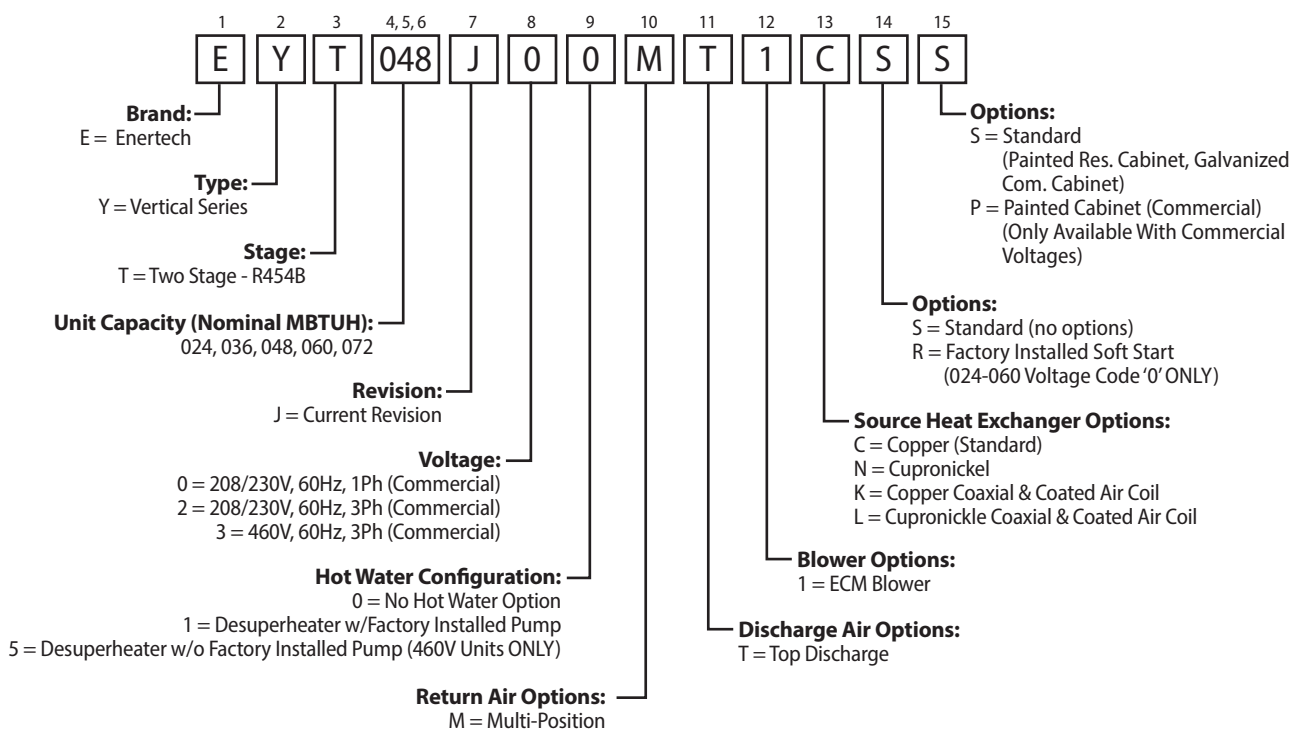
AHRI PERFORMANCE DATA

YT – Vertical Packaged ^{1, 3, 4, 5, 6}														
Model	Type	Cooling BTU				Heating BTU				Dimensional Data			Height with Control Box	Unit Weight (lbs)
		Full Load	EER	Part Load	EER	Full Load	COP	Part Load	COP	Height	Width	Depth		
YT024	Water Loop	-	-	-	-	-	-	-	-	46.0"	23.0"	26.5"	53.25"	310
	Ground Water	29,200	25.7	22,200	33.6	23,400	5.3	17,500	5.5					
	Ground Loop	27,100	19.9	21,400	28.2	19,000	4.3	15,200	4.8					
YT036	Water Loop	-	-	-	-	-	-	-	-	54.0"	25.4"	30.5"	61.25"	405
	Ground Water	42,300	27.9	31,400	35.1	35,500	5.4	25,800	5.5					
	Ground Loop	39,700	21.0	30,400	29.5	27,900	4.3	23,000	4.9					
YT048	Water Loop	-	-	-	-	-	-	-	-	54.0"	25.4"	30.5"	61.25"	450
	Ground Water	55,200	24.9	40,700	32.6	46,500	5.0	32,700	5.3					
	Ground Loop	51,900	19.2	39,100	26.6	36,700	4.1	29,000	4.6					

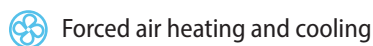
YT060	Water Loop	-	-	-	-	-	-	-	-	58.4"	25.4"	30.5"	65.65"	475
	Ground Water	66,900	23.8	49,400	31.9	60,700	4.8	48,800	5.1					
	Ground Loop	63,100	18.7	47,700	26.4	49,100	4.0	38,300	4.5					
YT072	Water Loop	-	-	-	-	-	-	-	-	58.4"	25.4"	30.5"	65.65"	480
	Ground Water	75,400	21.7	57,800	28.0	70,400	4.5	51,800	4.9					
	Ground Loop	70,300	17.1	55,900	23.9	57,800	3.8	46,600	4.4					

NOTES:

- Rated in accordance with AHRI/ISO standard 13256-1, which includes pump penalties
- Heating capacities based on 68.0°F DB, 59.0°F WB entering air temperature
- Cooling capacities based on 80.6°F DB, 66.2°F WB entering air temperature
- Ground loop entering water temperatures Full Load: 32°F heating / 77°F cooling
- Ground Loop Entering water temperatures Part Load: 41°F heating / 68°F cooling
- Ground Water Entering water temperatures for Full Load and Part Load: 50F Heating / 59F Cooling

YT SERIES – MODEL NOMENCLATURE


Water-to-Air Unit



CABINET FINISH

006	009	012	015	018	024
030	036	041	042	048	060



» Available voltages:	» Refrigerant Detection System (RDS) (mandatory on size 060, optional feature for sizes 006-048)	» Field-convertible discharge-air arrangement for horizontal units
» 208/230V, 60Hz, 1Ph		
» 208/230V, 60Hz, 3Ph		
» 265V, 60Hz, 1Ph		» PSC three-speed fan motor (two-speed for 575V)
» 480V, 60Hz, 3Ph	» Galvanized-steel cabinet construction	
» 575V, 60Hz, 3Ph		
» Coaxial heat exchanger	» Microprocessor controls with on-board fuse and emergency shutdown	» Non-corrosive polymer drain pan
		» CXM2 Communicating Controls

SC — Compact Single-Stage — Water-to-Air																					
Model	Type	Cooling with PSC Blower		Heating with PSC Blower		Cooling with ECM Blower Option		Heating with ECM Blower Option		Dimensional Data (inches)									Water Connection Size (inches)	Unit Operating Weight (lbs)	
		BTU	EER	BTU	COP	BTU	EER	BTU	COP	Height			Width			Depth				H	V
										H	V	F	H	V	F	H	V	F			
SC006	Water Loop	5,900	13.4	8,400	4.8	6,100	15.0	8,300	5.1	11.0	22.0	22.0	19.1	19.1	19.1	34.1	19.0	19.0	1/2	103	103
	Ground Water	7,200	22.8	6,600	3.9	7,300	26.6	6,500	4.0												
	Ground Loop	6,300	15.5	4,900	3.1	6,400	17.7	4,800	3.3												
SC009	Water Loop	8,500	13.8	11,700	4.4	8,600	14.3	11,600	4.5	11.0	22.0	22.0	19.1	19.1	19.1	34.1	19.0	19.0	1/2	105	105
	Ground Water	10,000	22.0	9,500	3.9	10,000	23.4	9,500	4.0												
	Ground Loop	8,900	15.7	7,200	3.3	9,000	16.7	7,200	3.3												
SC012	Water Loop	10,500	12.7	14,400	4.5	10,700	13.4	14,400	4.6	11.0	22.0	22.0	19.1	19.1	19.1	34.1	19.0	19.0	1/2	114	114
	Ground Water	12,800	19.0	11,700	3.9	13,000	21.0	11,700	4.0												
	Ground Loop	11,400	14.1	9,300	3.2	11,500	14.9	9,300	3.3												
SC015	Water Loop	14,500	15.2	16,000	4.8	14,700	16.4	15,900	4.9	17.0	40.0	40.0	20.1	21.6	21.6	43.0	21.5	21.5	1/2	153	153
	Ground Water	16,700	23.5	13,800	4.3	16,900	26.2	13,800	4.5												
	Ground Loop	15,000	16.5	11,000	3.5	15,200	17.3	10,700	3.6												
SC018	Water Loop	17,900	14.3	21,500	4.9	18,000	15.0	21,500	5.1	17.0	40.0	40.0	20.1	21.6	21.6	43.0	21.5	21.5	1/2	158	158
	Ground Water	20,700	23.0	17,900	4.2	20,900	25.0	17,700	4.4												
	Ground Loop	19,000	16.1	14,000	3.4	19,400	17.3	13,800	3.6												
SC024	Water Loop	24,700	14.7	28,800	5.0	24,900	15.4	28,500	5.1	18.3	40.0	40.0	20.1	21.6	21.6	43.0	21.5	21.5	3/4	174	189
	Ground Water	27,500	23.3	24,200	4.4	27,800	24.0	24,000	4.5												
	Ground Loop	25,600	17.3	19,000	3.6	25,800	18.0	19,000	3.7												
SC030	Water Loop	28,800	13.7	35,400	4.6	29,200	14.5	35,000	4.8	18.3	40.0	40.0	20.1	21.6	21.6	43.0	21.5	21.5	3/4	182	197
	Ground Water	32,400	21.0	29,200	4.1	32,800	23.5	28,800	4.3												
	Ground Loop	30,100	16.0	23,300	3.5	30,500	17.3	23,000	3.6												
SC036	Water Loop	34,800	14.6	43,900	4.6	35,200	15.3	43,500	4.8	21.0	45.0	-	20.1	21.6	-	47.1	26.0	-	3/4	203	203
	Ground Water	38,800	23.3	36,200	4.0	39,200	25.2	35,800	4.2												
	Ground Loop	36,100	16.7	28,500	3.4	36,400	17.4	27,900	3.6												

Model	Type	Cooling with PSC Blower		Heating with PSC Blower		Cooling with ECM Blower		Heating with ECM Blower		Dimensional Data (inches)									Water Connection Size (inches)	Unit Operating Weight (lbs)	
		BTU	EER	BTU	COP	BTU	EER	BTU	COP	Height			Width			Depth					
										H	V	F	H	V	F	H	V	F		H	V
SC041	Water Loop	36,000	14.0	43,300	4.3	-	-	-	-	-	40.0	40.0	-	21.6	21.6	-	21.5	21.5	3/4	-	210
	Ground Water	40,300	22.0	35,500	3.8	-	-	-	-												
	Ground Loop	37,500	16.5	28,000	3.3	-	-	-	-												
SC042	Water Loop	41,100	14.0	49,500	4.6	41,800	15.2	48,500	4.9	21.0	45.0	-	20.1	21.6	-	47.1	26.0	-	3/4	218	218
	Ground Water	45,200	21.0	40,900	4.0	46,000	22.9	39,900	4.3												
	Ground Loop	42,700	16.0	32,700	3.4	43,400	17.4	31,700	3.5												
SC048	Water Loop	48,000	14.3	57,900	4.7	48,900	15.2	57,500	4.8	21.0	50.5	-	24.1	25.5	-	54.1	29.3	-	1	263	315
	Ground Water	53,000	21.5	48,000	4.1	53,500	22.8	47,700	4.2												
	Ground Loop	50,400	16.5	38,000	3.5	50,800	17.6	38,100	3.5												
SC060	Water Loop	59,400	13.2	70,000	4.4	60,200	14.7	68,000	4.7	21.0	50.5	-	24.1	25.5	-	54.1	29.3	-	1	278	330
	Ground Water	65,800	18.2	59,200	3.9	67,000	21.5	57,100	4.2												
	Ground Loop	61,300	15.0	45,400	3.3	62,200	17.4	44,300	3.5												

NOTES:

- Where dual voltages are available, ratings are based on the lower voltage setting.
- Heating capacities based upon 68°F DB, 59°F WB entering air temperature.
- Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.
- Ground Loop Heat Pump ratings based on 15% antifreeze solution.

SC UNIT MODEL NOMENCLATURE

Product Name:
S = R-454B Refrigerant

Model Type:
C = Compact Single-Stage Series

Supply & Return Configurations:

Horizontal Configuration		
	Left	Right
Straight	L	R
Back	B	P

Vertical Configuration		
	Left	Right
Top	T	K
Front/Top	F	

Size:

006	018	041
009	024	042
012	030	048
015	036	060

Revision:
A = Current

Voltage:

G = 208/230-1-60	J = 208/230-1-60 Refrigerant Detection System
H = 208/230-3-60	K = 208/230-3-60 Refrigerant Detection System
E = 265-1-60	D = 265-1-60 Refrigerant Detection System
F = 460-3-60	L = 460-3-60 Refrigerant Detection System
N = 575-3-60	M = 575-3-60 Refrigerant Detection System

Standard:
S = Standard

Blower Motor:
P = Permanent Split Capacitor (PSC)
T = Constant Torque
Electronically Commuted (CT EC)
V = Constant Volume
Electronically Commuted (CV EC)

Extended Options:
0 = Standard
C = Cooling Only
W = Waterside Economizer

Drain Pan/Heat Exchanger Options:
C = Standard Drain Pan, Non-Coated Air Coil
T = Standard Drain Pan, Tin-Coated Air Coil
S = Stainless Steel Drain Pan, Non-Coated Air Coil
R = Stainless Steel Drain Pan, Tin-Coated Air Coil

Water/Heat Exchanger Options:

Water Options	Standard	Cupronickel
None	0	Z

Cabinet:

Cabinet	Ultra Quiet	Rail		Frame	
		1"	2"	1"	2"
Extended Range	No	1	J	K	A
	Yes	2	L	M	C
Standard Range	No	3	N	P	E
	Yes	4	F	S	G

Controls:

Control	Standard	MPC	Edge
CXM2	C	N	E
DXM2.6	D	P	F
CXM2 with disconnect	W	R	G
DXM2.6 with Disconnect	B	S	H



SR | VERSATILE SINGLE-STAGE SERIES

Water-to-Air Unit

The Tranquility® 18 (SR) Versatile Single-Stage Series raises the bar for water-source heat pump features and application flexibility. Not only does the Tranquility SR exceed ASHRAE 90.1 efficiency standards, but it also uses R-454B, a low Global Warming Potential (GWP) refrigerant, making it an environmentally friendly space conditioning solution.

 Forced air heating and cooling

SR CAPACITIES

006	009	012	015	018	024
030	036	042	048	060	



CABINET FINISH

 Galvanized Steel



UNIT FEATURES:

- » Available voltages:
 - » 208/230V, 60Hz, 1Ph
 - » 208/230V, 60Hz, 3Ph
 - » 265V, 60Hz, 1Ph
 - » 460V, 60Hz, 3Ph
 - » 575V, 60Hz, 3Ph
- » Refrigerant Detection System (RDS) (mandatory on size 060, optional feature for sizes 006-048)
- » Coaxial heat exchanger
- » On/off hot gas reheat
- » Microprocessor controls with on-board fuse and emergency shutdown
- » Field-convertible discharge-air arrangement (horizontal configurations only)
- » PSC three-speed fan motor (two-speed for 575V)
- » Non-corrosive polymer drain pan
- » CXM2 Communicating Controls
- » High efficiency EC blower motors

AHRI PERFORMANCE DATA

SR — Versatile Single-Stage — Water-to-Air																		
Model	Type	Cooling with PSC Blower		Heating with PSC Blower		Cooling with ECM Blower Option		Heating with ECM Blower Option		Dimensional Data						Water Connection Size	Unit Operating Weight (lbs)	
		BTU	EER	BTU	COP	BTU	EER	BTU	COP	Height		Width		Depth			H	V
										H	V	H	V	H	V			
SR006	Water Loop	5,900	13.4	8,400	4.8	6,100	15.0	8,300	5.1	11.1	22.0	22.5	22.5	40.3	21.3	1/2"	110	110
	Ground Water	7,200	22.8	6,600	3.9	7,300	26.6	6,500	4.0									
	Ground Loop	6,300	15.5	4,900	3.1	6,400	17.7	4,800	3.3									
SR009	Water Loop	8,500	13.8	11,700	4.4	8,600	14.3	11,600	4.5	11.1	22.0	22.5	22.5	40.3	21.3	1/2"	112	112
	Ground Water	10,000	22.0	9,500	3.9	10,000	23.4	9,500	4.0									
	Ground Loop	8,900	15.7	7,200	3.3	9,000	16.7	7,200	3.3									
SR012	Water Loop	10,500	12.7	14,400	4.5	10,700	13.4	14,400	4.6	11.1	22.0	22.5	22.5	40.3	21.3	1/2"	121	121
	Ground Water	12,800	19.0	11,700	3.9	13,000	21.0	11,700	4.0									
	Ground Loop	11,400	14.1	9,300	3.2	11,500	14.9	9,300	3.3									
SR015	Water Loop	14,500	15.2	16,000	4.8	14,700	16.4	15,900	4.9	17.0	40.0	22.5	22.5	48.4	22.5	1/2"	163	163
	Ground Water	16,700	23.5	13,800	4.3	16,900	26.2	13,800	4.5									
	Ground Loop	15,000	16.5	11,000	3.5	15,200	17.3	10,700	3.6									
SR018	Water Loop	17,900	14.3	21,500	4.9	18,000	15.0	21,500	5.1	17.0	40.0	22.5	22.5	48.4	22.5	1/2"	168	168
	Ground Water	20,700	23.0	17,900	4.2	20,900	25.0	17,700	4.4									
	Ground Loop	19,000	16.1	14,000	3.4	19,400	17.3	13,800	3.6									
SR024	Water Loop	24,700	14.7	28,800	5.0	24,900	15.4	28,500	5.1	18.3	40.0	22.5	22.5	48.4	22.5	3/4"	208	216
	Ground Water	27,500	23.3	24,200	4.4	27,800	24.0	24,000	4.5									
	Ground Loop	25,600	17.3	19,000	3.6	25,800	18.0	19,000	3.7									
SR030	Water Loop	28,800	13.7	35,400	4.6	29,200	14.5	35,000	4.8	18.3	40.0	22.5	22.5	48.4	22.5	3/4"	208	224
	Ground Water	32,400	21.0	29,200	4.1	32,800	23.5	28,800	4.3									
	Ground Loop	30,100	16.0	23,300	3.5	30,500	17.3	23,000	3.6									

Model	Type	Cooling with PSC Blower		Heating with PSC Blower		Cooling with ECM Blower Option		Heating with ECM Blower Option		Dimensional Data						Water Connection Size	Unit Operating Weight (lbs)	
		BTU	EER	BTU	COP	BTU	EER	BTU	COP	Height		Width		Depth			H	V
										H	V	H	V	H	V			
SR036	Water Loop	34,800	14.6	43,900	4.6	35,200	15.3	43,500	4.8	21.0	45.0	22.5	22.5	53.3	26.0	3/4"	233	245
	Ground Water	38,800	23.3	36,200	4.0	39,200	25.2	35,800	4.2									
	Ground Loop	36,100	16.7	28,500	3.4	36,400	17.4	27,900	3.6									
SR042	Water Loop	41,100	14.0	49,500	4.6	41,800	15.2	48,500	4.9	21.2	45.0	22.5	22.5	53.3	26.0	3/4"	244	260
	Ground Water	45,200	21.0	40,900	4.0	46,000	22.9	39,900	4.3									
	Ground Loop	42,700	16.0	32,700	3.4	43,400	17.4	31,700	3.5									
SR048	Water Loop	48,000	14.3	57,900	4.7	48,900	15.2	57,500	4.8	21.0	50.5	25.5	25.5	68.0	29.3	1"	299	315
	Ground Water	53,000	21.5	48,000	4.1	53,500	22.8	47,700	4.2									
	Ground Loop	50,400	16.5	38,000	3.5	50,800	17.6	38,100	3.5									
SR060	Water Loop	59,400	13.2	70,000	4.4	60,200	14.7	68,000	4.7	21.0	50.5	25.5	25.5	68.0	29.3	1"	314	330
	Ground Water	65,800	18.2	59,200	3.9	67,000	21.5	57,100	4.2									
	Ground Loop	61,300	15.0	45,400	3.3	62,200	17.4	44,300	3.5									

NOTES:

- Where dual voltages are available, ratings are based on the lower voltage setting.
- Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.

- Heating capacities based upon 68°F DB, 59°F WB entering air temperature.
- Ground Loop Heat Pump ratings based on 15% antifreeze solution.

SR UNIT MODEL NOMENCLATURE

Product Name:
S = R-454B Refrigerant

Model Type:
R = Versatile Single-Stage Series

Supply & Return Configurations:

Horizontal Configuration		
	Left	Right
Straight	L	R
Back	B	P

Vertical Configuration		
	Left	Right
Top	T	K

Size:
006 018 042
009 024 048
012 030 060
015 036

Revision:
A = Current

Voltage:
G = 208/230-1-60
H = 208/230-3-60
E = 265-1-60
F = 460-3-60
N = 575-3-60
J = 208/230-1-60 Refrigerant Detection System
K = 208/230-3-60 Refrigerant Detection System
D = 265-1-60 Refrigerant Detection System
L = 460-3-60 Refrigerant Detection System
M = 575-3-60 Refrigerant Detection System

Controls:

Control	Standard	MPC
CXM2	C	N
DXM2.6	D	P
CXM2 with Disconnect	W	R
DXM2.6 with Disconnect	B	S

Standard:
S = Standard

Blower Motor:
P = Permanent Split Capacitor (PSC)
T = Constant Torque
Electronically Commuted (CT EC)
V = Constant Volume
Electronically Commuted (CV EC)

Extended Options:

Option	Standard	HWG
None	0	G
HGRH	R	-

Drain Pan/Heat Exchanger Options:
C = Standard Drain Pan, Non-Coated Air Coil
T = Standard Drain Pan, Tin-Coated Air Coil
S = Stainless Steel Drain Pan, Non-Coated Air Coil
R = Stainless Steel Drain Pan, Tin-Coated Air Coil

Water/Heat Exchanger Options:

Water Options	Standard	Cupronickel
None	0	Z
Motorized Water Valve (MWV)	M	V
Modulating Water Valve, Low System Pressure	C	N
Modulating Water Valve, High System Pressure	R	P
Internal Secondary Pump (ISP)	7	-
Auto Flow Regulator (AFR) 2.5 GPM/ton	A	-
AFR 3.0 GPM/ton	F	-
MWV & AFR 2.5 GPM/ton	W	-
MWV & AFR 3.0 GPM/ton	T	-

Cabinet:

Cabinet	Ultra Quiet	Rail		Frame	
		1"	2"	1"	2"
Extended Range	No	1	J	K	A
	Yes	2	L	M	C
Standard Range	No	3	N	P	E
	Yes	4	F	S	G



Water-to-Air Unit



AHRI CERTIFIED
www.ahridirectory.org
Water Source HP
ANSI/AHRI/ASHRAE ISO 13256-1



024 030 036 042 048 060

» Available voltages: » 208/230V, 60Hz, 1Ph » 208/230V, 60Hz, 3Ph » 265V, 60Hz, 1Ph » 460V, 60Hz, 3Ph	» Intelligent variable-speed Constant Volume (CV) EC blower motors for precise airflow control and soft-start feature » Galvanized-steel cabinet construction	» Field-convertible supply-air arrangement (horizontal configurations only) » Easy access swing-out control box
» Refrigerant Detection System (RDS) (mandatory on size 060, optional feature for sizes 024-048)	» Insulated divider and separate compressor/ air-handler compartments	» Non-corrosive polymer drain pan

SY — Compact Two-Stage — Water-to-Air

NOTES:

- Where dual voltages are available, ratings are based on the lower voltage setting.
- Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.
- Heating capacities based upon 68°F DB, 59°F WB entering air temperature.
- Ground Loop Heat Pump ratings based on 15% antifreeze solution.

SY UNIT MODEL NOMENCLATURE

1 2 3 4, 5, 6 7 8 9 10 11 12 13 14 15

S **Y** **L** **0 2 4** **A** **G** **D** **3** **0** **C** **0** **V** **S**

Product Name:
S = R-454B Refrigerant

Model Type:
Y = Compact Two -Stage Series

Supply & Return Configurations:

Horizontal Configuration		
	Left	Right
Straight	L	R
Back	B	P

Vertical Configuration		
	Left	Right
Top	T	K

Size:
024 036 048
030 042 060

Revision:
A = Current

Voltage:
G = 208/230-1-60 J = 208/230-1-60 Refrigerant Detection System
H = 208/230-3-60 K = 208/230-3-60 Refrigerant Detection System
E = 265-1-60 D = 265-1-60 Refrigerant Detection System
F = 460-3-60 L = 460-3-60 Refrigerant Detection System

Standard:
S = Standard

Blower Motor:
V = Constant Volume (CV) EC

Extended Options:
0 = None

Drain Pan/Heat Exchanger Options:
C = Standard Drain Pan, Non-Coated Air Coil
T = Standard Drain Pan, Tin-Coated Air Coil
S = Stainless Steel Drain Pan, Non-Coated Air Coil
R = Stainless Steel Drain Pan, Tin-Coated Air Coil

Water/Heat Exchanger Options:
0 = Copper
Z = Cupronickel

Cabinet:

Cabinet	Ultra Quiet	Rail		Frame	
		1"	2"	1"	2"
Extended Range	No	1	J	K	A
	Yes	2	L	M	C
Standard Range	No	3	N	P	E
	Yes	4	F	S	G

Controls:

Control	Standard	MPC	Edge
DXM2.6	D	P	F
DXM2.6 with Disconnect	B	S	H



SZ | VERSATILE TWO-STAGE SERIES

Water-to-Air Unit

The Tranquility® 24 (SZ) Versatile Two-Stage Series showcases superb efficiency ratings, quiet operation, and application flexibility that is synonymous with the Tranquility family. The Tranquility SZ surpasses ASHRAE 90.1 efficiency standards and uses R-454B, a low Global Warming Potential (GWP) refrigerant, setting a high standard for eco-friendly performance.

 Forced air heating and cooling

SZ CAPACITIES

024	030	036	042	048	060
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CABINET FINISH

 Galvanized Steel



UNIT FEATURES:

- » Available voltages:
 - » 208/230V, 60Hz, 1Ph
 - » 208/230V, 60Hz, 3Ph
 - » 460V, 60Hz, 3Ph
- » Refrigerant Detection System (RDS) (mandatory on size 060, optional for sizes 024-048)
- » Intelligent variable speed Constant Volume (CV) EC blower motors for precise airflow control and soft-start feature
- » Part-load operation significantly lowers annual operating costs
- » Field-convertible supply-air arrangement (horizontal configurations only)
- » Non-corrosive polymer drain pan
- » DXM2.6 Advanced Communicating Controls
- » Easy-access control box
- » High-pressure, loss-of-charge, and condensate-overflow protection

AHRI PERFORMANCE DATA

SZ — Versatile Two-Stage — Water-to-Air

Model	Type	Cooling BTU with ECM Blower				Heating BTU with ECM Blower				Dimensional Data (inches)						Water Connection Size (inches)	Unit Operating Weight (lbs)	
		Full Load	EER	Part Load	EER	Full Load	COP	Part Load	COP	Height		Width		Depth			H	V
										H	V	H	V	H	V			
SZ024	Water Loop	24,000	15.1	17,500	17.0	28,400	5.3	19,900	5.7	18.3	40.0	22.5	22.5	48.4	22.5	3/4	208	216
	Ground Water	27,000	24.1	20,000	29.7	23,500	4.7	16,600	4.8									
	Ground Loop	25,000	18.0	19,300	25.3	18,400	3.9	14,600	4.2									
SZ030	Water Loop	28,700	14.0	21,200	15.2	33,200	4.6	24,400	5.1	18.3	40.0	22.5	22.5	48.4	22.5	3/4	208	224
	Ground Water	32,900	21.7	24,700	26.4	28,700	4.1	20,800	4.4									
	Ground Loop	30,200	15.5	23,400	22.0	23,200	3.6	18,700	4.0									
SZ036	Water Loop	35,000	14.0	26,100	16.1	44,200	4.6	31,600	5.3	21.0	45.0	22.5	22.5	53.3	26.0	3/4	233	245
	Ground Water	39,300	20.2	29,900	26.0	36,300	4.2	25,700	4.4									
	Ground Loop	36,400	16.4	28,500	22.6	28,600	3.6	22,600	4.1									
SZ042	Water Loop	43,000	15.5	32,500	17.0	49,500	4.7	36,000	5.1	21.0	45.0	22.5	22.5	53.3	26.0	3/4	244	260
	Ground Water	47,500	22.8	36,000	28.5	41,000	4.2	29,800	4.5									
	Ground Loop	44,500	17.3	35,000	23.5	32,500	3.5	26,400	4.0									
SZ048	Water Loop	47,500	15.5	34,000	16.5	55,000	4.8	39,000	5.5	21.0	50.5	25.5	26.5	68.0	29.3	1	299	315
	Ground Water	52,000	22.9	38,500	28.5	45,000	4.3	31,800	4.5									
	Ground Loop	49,000	17.7	37,000	24.0	36,000	3.7	28,000	4.0									
SZ060	Water Loop	59,000	15.5	42,000	17.5	67,200	5.0	47,300	5.5	21.0	50.5	25.5	26.5	68.0	29.3	1	314	330
	Ground Water	65,000	22.8	47,000	29.0	55,700	4.4	38,500	4.7									
	Ground Loop	61,500	17.8	45,500	24.9	44,600	3.7	34,000	4.2									

NOTES:

- Where dual voltages are available, ratings are based on the lower voltage setting.
- Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.

- Heating capacities based upon 68°F DB, 59°F WB entering air temperature.
- Ground Loop Heat Pump ratings based on 15% antifreeze solution.

SZ UNIT MODEL NOMENCLATURE

Product Name:
S = R-454B Refrigerant

Model Type:
Z = Versatile Two-Stage Series

Supply & Return Configurations:

Horizontal Configuration		
	Left	Right
Straight	L	R
Back	B	P

Vertical Configuration		
	Left	Right
Top	T	K

Size:
024 030 036
042 048 060

Revision:
A = Current

Voltage:

G = 208/230-1-60

H = 208/230-3-60

F = 460-3-60

J = 208/230-1-60 Refrigerant Detection System

K = 208/230-3-60 Refrigerant Detection System

L = 460-3-60 Refrigerant Detection System

Controls:

Control	Standard	MPC	Edge
DXM2.6	D	P	F
DXM2.6 with Disconnect	B	S	H

Standard:
S = Standard

Blower Motor:
V = Constant Volume (CV) EC

Extended Options:
0 = Standard
G = HWG

Drain Pan/Heat Exchanger Options:

Air Coil Option	Drain Pan	
	Standard	Stainless Steel
Non-Coated	C	S
Tin Coated	T	R

Water/Heat Exchanger Options:

Water Option	Standard	Cupronickel
Modulating Valve, Low System Pressure Drop	C	-
Modulating Valve, High System Pressure Drop	-	P
Internal Pump Standard Head (Variable w/ Check Valve)	3	-
Internal Pump Standard Head (Variable w/o Check Valve)	J	-
Internal Pump High Head (Variable w/ Check Valve)	4	-
Internal Pump High Head (Variable w/o Check Valve)	K	-
Internal Secondary Pump (ISP)	7	-

Cabinet:

Cabinet	Ultra Quiet	Rail		Frame	
		1"	2"	1"	2"
Extended Range	No	1	J	K	A
	Yes	2	L	M	C
Standard Range	No	3	N	P	E
	Yes	4	F	S	G



SL | LOW PROFILE SERIES

Water-to-Air Unit

The Tranquility® (SL) Low-Profile Series raises the bar for water-source heat pumps. It's low-profile allows it to be installed in ceiling spaces as low as 12" in height. It also offers integrated water control options, ECM fan motors, and Advanced communicating controls for increased flexibility and system efficiency.

 Forced air heating and cooling

SL CAPACITIES

006	009	012	015
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CABINET FINISH



Galvanized Steel



UNIT FEATURES:

- » Available voltages:
 - » 208/230V, 60Hz, 1Ph
 - » 265V, 60Hz, 1Ph
 - » All sizes are a low 9-inches (22.9 cm) in height
 - » Constant Torque (CT) high efficiency EC blower motor
 - » Brazed-Plate Heat Exchanger
- » Bottom access unit controls, electrical components, water components/circuit, refrigeration components/circuit, power disconnect (optional), service tool connection, drain pan, air coil, air filter, water strainer, and blower motor assembly
 - » Field-convertible supply-air arrangement (horizontal configurations only)
- » CXM2 Communicating Controls
 - » Nine standard safeties including water flow confirmation switch
 - » Field configurable controls access from the bottom, front, or top of the unit
 - » Easy to clean rust prohibitive stainless steel drain pans with condensate overflow sensor

AHRI PERFORMANCE DATA

SL — Low Profile — Water-to-Air														
Model	Type	Cooling with PSC Blower		Heating with PSC Blower		Cooling with ECM Blower Option		Heating with ECM Blower Option		Dimensional Data (inches)			Water Connection Size (Inches)	Unit Operating Weight (lbs)
		BTU	EER	BTU	COP	BTU	EER	BTU	COP	Height	Width	Depth		
SL006	Water Loop	-	-	-	-	6,000	16.9	7,000	5.1	9.0	53.0	22.5	1/2	145
	Ground Loop	-	-	-	-	6,300	20.5	4,600	3.6					
SL009	Water Loop	-	-	-	-	8,800	16.8	9,900	4.6	9.0	53.0	22.5	1/2	146
	Ground Loop	-	-	-	-	9,300	20.3	6,600	3.4					
SL012	Water Loop	-	-	-	-	11,300	14.8	13,200	4.6	9.0	53.0	22.5	1/2	152
	Ground Loop	-	-	-	-	11,900	17.4	8,900	3.4					
SL015	Water Loop	-	-	-	-	13,800	15.4	15,500	4.6	9.0	53.0	22.5	1/2	159
	Ground Loop	-	-	-	-	14,400	17.8	10,600	3.4					

- NOTES:

 - Where dual voltages are available, ratings are based on the lower voltage setting.
 - Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.
- Heating capacities based upon 68°F DB, 59°F WB entering air temperature.
 - Ground Loop Heat Pump ratings based on 15% antifreeze solution.

SL UNIT MODEL NOMENCLATURE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Product Name:
S = R-454B Refrigerant

Model Type:
L = Horizontal Low-Profile Series

Supply Configurations:

Horizontal Configuration		
A	Straight	8 x 6
B		12 x 6
C		24 x 6
D	Straight + Back	8 x 7 + 7 x 6
E		16 x 6 + 7 x 6
F		24 x 6 + 7 x 6
G	Back	7 x 6
0	Field Configured	-

Return Configuration:
L = Left
R = Right

Size:
06 12
09 15

Revision:
A = Current

Voltage:
G = 208/230-1-60
E = 265-1-60

Controls:

Control	Standard	MPC	Edge
CXM2	C	N	E
CXM2 with Disconnect	W	R	G

Standard:
S = Standard

Blower Motor:
T = Constant Torque EC

Future Use
0 = Standard

Flow Switch/Heat Exchanger Options:

Air Coil	Standard Flow Switch	High Pressure Flow Switch
Non-Coated	S	5
Tin-Coated	R	6
E-Coated	E	7

Water/Heat Exchanger Options:

Water Option	
None	0
Motorized Water Valve	M
Internal Secondary Pump	7
Autoflow Regulator (2.5 GPM/ton)	A
Autoflow Regulator (3.0 GPM/ton)	F
Motorized Water Valve and Autoflow Regulator (2.5 GPM/ton)	W
Motorized Water Valve and Autoflow Regulator (3.0 GPM/ton)	T

Cabinet:

Cabinet	Ultra Quiet	Frame	
		1"	2"
Extended Range	No	K	A
	Yes	M	C
Standard Range	No	P	E
	Yes	S	G



SE | DOWNFLOW PREMIER SERIES

Water-to-Air Unit

The Tranquility® (SE) Premier Series showcases superb efficiency ratings, quiet operation, and application flexibility that is synonymous with the Tranquility family. The Tranquility SE surpasses ASHRAE 90.1 efficiency standards and uses R-454B, a low Global Warming Potential (GWP) refrigerant, setting a high standard for eco-friendly performance.

 Forced air heating and cooling

SE CAPACITIES

006	009	012	018	024	036
048	060	072			



CABINET FINISH

 Galvanized Steel



UNIT FEATURES:

- » Available voltages:
 - » 208/230V, 60Hz, 1Ph
 - » 208/230V, 60Hz, 3Ph
 - » 265V, 60Hz, 1Ph
 - » 460V, 60Hz, 3Ph
- » Refrigerant Detection System (RDS) (mandatory on sizes 060 and 072, optional for sizes 006-048)
- » Easy-access swing-out control box
- » Intelligent Constant Volume (CV) EC motors for ultimate airflow control
- » Field-convertible discharge air arrangement (horizontal configurations only)
- » Easy-to-clean rust-prohibitive stainless-steel drain pan
- » ClimaDry II modulating condenser water driven reheat
- » DXM2.6 Advanced Communicating Controls
- » Anti-short cycle and over/under-voltage protection
- » High pressure, loss-of-charge, and condensate overflow protection

AHRI PERFORMANCE DATA

SE — Premier — Water-to-Air																						
Model	Type	Cooling BTU with ECM Blower Option				Heating BTU with ECM Blower Option				Dimensional Data (inches)									Water Connection Size (inches)	Unit Operating Weight (lbs)		
		Full Load	EER	Part Load	EER	Full Load	COP	Part Load	COP	Height			Width			Depth				H	V	D
										H	V	D	H	V	D	H	V	D				
SE006	Water Loop	6,300	17.0	-	-	7,600	5.5	-	-	17.3	34.5	-	22.4	22.4	-	43.1	21.6	-	1/2	135.0	137.0	-
	Ground Water	7,600	30.0	-	-	6,200	4.8	-	-													
	Ground Loop	6,700	20.0	-	-	4,600	3.6	-	-													
SE009	Water Loop	9,000	15.8	-	-	11,500	5.3	-	-	17.3	34.5	-	22.4	22.4	-	43.1	21.6	-	1/2	149.8	152.0	-
	Ground Water	10,500	28.0	-	-	9,000	4.6	-	-													
	Ground Loop	9,700	19.0	-	-	7,000	3.7	-	-													
SE012	Water Loop	11,700	16.0	-	-	15,200	5.2	-	-	17.3	34.5	-	22.4	22.4	-	43.1	21.6	-	1/2	154.0	156.3	-
	Ground Water	13,600	26.2	-	-	12,200	4.3	-	-													
	Ground Loop	12,400	18.9	-	-	9,200	3.6	-	-													
SE018	Water Loop	19,100	16.3	-	-	23,400	5.7	-	-	19.3	44.6	48.4	22.4	22.4	22.4	62.2	25.6	25.6	3/4	205.6	208.6	214.6
	Ground Water	22,000	28.1	-	-	18,900	4.9	-	-													
	Ground Loop	20,100	19.5	-	-	14,500	4.1	-	-													
SE024	Water Loop	25,300	17.0	18,000	18.6	29,000	5.7	20,800	6.6	19.3	48.5	52.4	22.4	22.4	22.4	62.2	25.6	25.6	3/4	298.0	298.0	313.0
	Ground Water	28,600	26.1	21,300	33.0	23,700	5.0	16,800	5.4													
	Ground Loop	26,300	19.9	20,300	27.9	17,800	4.1	14,400	4.6													
SE036	Water Loop	38,000	17.5	28,000	19.5	43,100	5.5	31,000	6.1	21.3	50.5	54.3	25.4	25.4	25.4	71.2	30.6	30.6	3/4	359.0	359.0	374.0
	Ground Water	42,000	25.0	31,500	32.0	36,000	4.9	25,900	5.1													
	Ground Loop	39,200	19.5	30,000	26.0	28,400	4.2	22,600	4.6													

Model	Type	Cooling BTU with ECM Blower Option				Heating BTU with ECM Blower Option				Dimensional Data (inches)									Water Connection Size (inches)	Unit Operating Weight (lbs)		
		Full Load	EER	Part Load	EER	Full Load	COP	Part Load	COP	Height			Width			Depth				H	V	D
										H	V	D	H	V	D	H	V	D				
SE048	Water Loop	51,000	18.0	37,500	19.8	58,700	5.6	42,400	6.6	21.3	54.5	58.3	25.4	25.4	25.4	76.2	30.6	30.6	1	448.0	448.0	463.0
	Ground Water	56,000	27.0	42,000	34.0	47,300	4.9	34,000	5.3													
	Ground Loop	52,000	20.2	40,500	28.0	37,600	4.1	29,900	4.6													
SE060	Water Loop	61,800	16.9	44,000	18.6	67,300	5.3	45,300	5.9	21.3	58.5	62.3	25.4	25.4	25.4	81.2	30.6	30.6	1	475.0	475.0	490.0
	Ground Water	66,800	24.7	49,000	30.8	55,700	4.7	36,000	4.4													
	Ground Loop	62,600	18.7	47,000	25.1	44,300	3.9	31,000	4.1													
SE072	Water Loop	72,000	16.1	54,900	17.3	81,400	4.9	60,000	5.4	21.3	58.5	62.3	25.4	25.4	25.4	81.2	30.6	30.6	1	475.0	475.0	490.0
	Ground Water	78,000	22.4	61,300	25.3	67,400	4.4	49,000	4.6													
	Ground Loop	74,700	18.4	59,000	24.3	54,000	3.8	43,000	4.1													

NOTES:

- Where dual voltages are available, ratings are based on the lower voltage setting.
- Heating capacities based upon 68°F DB, 59°F WB entering air temperature.
- Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.
- Ground Loop Heat Pump ratings based on 15% antifreeze solution.

SE UNIT MODEL NOMENCLATURE

1 2 3 4, 5, 6 7 8 9 10 11 12 13 14 15

Product Name: S = R-454B Refrigerant

Model Type: E = Premier Single - and Two -Stage Series

Supply & Return Configurations:

Horizontal Configuration		
	Left	Right
Straight	L	R
Back	B	P

Down Flow Configuration		
	Left	Right
Down	D	N

Vertical Configuration		
	Left	Right
Top	T	K

Size: 006 018 048 009 024 060 012 036 072

Revision: A = Current

Voltage:

G = 208/230-1-60 J = 208/230-1-60 Refrigerant Detection System
 H = 208/230-3-60 K = 208/230-3-60 Refrigerant Detection System
 E = 265-1-60 D = 265-1-60 Refrigerant Detection System
 F = 460-3-60 L = 460-3-60 Refrigerant Detection System

Controls:

Control	Standard	MPC	ClimaLink Edge
DXM2.6	D	P	F
DXM2.6 with Disconnect	B	S	H

Standard: S = Standard

Blower Motor: V = Constant Volume (CV) EC

Extended Options: 0 = Standard G = Hot Water Generator

Drain Pan/Heat Exchanger Options: S = Stainless Steel Drain Pan, Non -Coated Air Coil R = Stainless Steel Drain Pan, Tin-Coated Air Coil

Water/Heat Exchanger Options:

Water Options	Standard	Cupronickel
None	0	Z
Modulating Water Valve	C	P
Internal Secondary Pump (ISP)	7	-
Internal Pump Standard Head with Check Valve (Variable)	3	-
Internal Pump High Head with Check Valve (Variable)	4	-
Internal Pump Standard Head without Check Valve (Variable)	J	-
Internal Pump High Head without Check Valve (Variable)	K	-
ClimaDry II	R	N

Cabinet:

Cabinet	Ultra Quiet	Rail		Frame	
		1"	2"	1"	2"
Extended Range	No	1	J	K	A
	Yes	2	L	M	C
Standard Range	No	3	N	P	E
	Yes	4	F	S	G



SB | COMPACT HIGH-CAPACITY SERIES

Water-to-Air Unit

The Tranquility (SB) Compact High-Capacity Series raises the bar for water-source heat pump efficiencies, features and application flexibility. Not only does the Tranquility SB exceed ASHRAE 90.1 efficiencies, but it also uses R-454B low Global Warming Potential (GWP) refrigerant, making it an extremely environmentally friendly space conditioning product solution.

 Forced air heating and cooling

SB CAPACITIES

072	096	120	160	192	240	300
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Horizontal sizes 6 - 10 tons. Vertical sizes 6 - 25 tons



CABINET FINISH

 Galvanized steel with power-coat finish on front access panels



UNIT FEATURES:

- » Available voltages:
 - » 208/230V, 60Hz, 3Ph
 - » 460V, 60Hz, 3Ph
 - » 575V, 60 Hz, 3Ph
- » Refrigerant Detection System (RDS) (required for all sizes)
- » Horizontal configurations with left or right return air and straight or back supply air discharge. Discharge is field convertible. Field conversion uses all existing parts, including panels and belts
- » Vertical configurations with front or back return and top, front, or back discharge. Fan discharge on vertical unit sizes 072-120 is field convertible. Field conversion uses all existing parts, including panels and belts
- » Electric power entry points from either side of the front
- » Configurable water connections for left or right handling on horizontal units

AHRI PERFORMANCE DATA

SB — Compact Large Water-to-Air — Horizontal and Vertical																		
Configuration	Size	Part/Full Load	Motor Type	Rated CFM	Rated GPM	Sheave Setting (turns open)	Water Loop				Ground Water				Ground Loop			
							Cooling 86°F		Heating 68°F		Cooling 59°F		Heating 50°F		Cooling 77°F		Heating 32°F	
							BTU	EER	BTU	COP	BTU	EER	BTU	COP	BTU	EER	BTU	COP
H/V	SB072	F	Belt Drive	2,400	18.0	2.5	71,000	14.1	92,300	5.3	77,800	20.5	76,000	4.6	74,100	15.5	58,300	3.8
	SB096	F	Belt Drive	3,200	24.0	3.0	101,000	15.3	122,800	5.0	110,500	22.3	99,500	4.4	101,700	16.3	76,600	3.6
	SB120	F	Belt Drive	4,000	30.0	3.0	122,000	13.7	156,000	4.6	128,000	18.1	127,000	4.0	124,500	14.3	98,500	3.4
V	SB168	F	Belt Drive	5,600	42.0	3.0	168,000	14.4	192,000	4.7	186,000	21.0	151,800	4.1	172,000	16.2	121,000	3.5
	SB192	F	Belt Drive	6,400	48.0	3.0	187,000	14.9	220,000	5.1	201,000	21.5	181,000	4.5	194,000	16.5	139,000	3.7
	SB240	F	Belt Drive	8,000	60.0	2.5	232,000	13.9	294,000	4.9	256,000	20.0	236,000	4.3	232,000	14.3	179,000	3.5
	SB300	F	Belt Drive	10,000	75.0	3.0	290,000	12.0	372,000	4.5	328,000	18.0	290,000	4.0	299,000	13.6	217,000	3.2
H/V	SB072	F	Belt Drive with VFD	2,400	18.0	1.0	72,000	14.5	91,400	5.4	78,000	21.6	75,000	4.7	75,200	16.3	58,000	3.9
		P	Belt Drive with VFD	1,200	18.0	1.0	35,600	14.5	44,800	5.2	39,200	21.8	36,700	4.4	37,600	18.6	32,200	4.0
	SB096	F	Belt Drive with VFD	3,200	24.0	1.0	101,700	15.5	123,000	5.1	110,800	23.0	100,000	4.4	102,000	16.5	76,800	3.6
		P	Belt Drive with VFD	1,600	24.0	1.0	50,300	16.3	61,200	5.1	54,900	24.2	49,800	4.3	52,400	20.4	43,200	3.9
	SB120	F	Belt Drive with VFD	4,000	30.0	1.0	124,000	13.9	156,000	4.7	128,500	18.6	127,000	4.1	125,000	14.8	98,500	3.5
		P	Belt Drive with VFD	2,000	30.0	1.0	61,000	14.8	74,800	4.7	64,500	20.0	61,200	4.1	63,500	18.0	53,000	3.8

SB — Compact Large Water-to-Air — Horizontal and Vertical

Configuration	Size	Part/Full Load	Motor Type	Rated CFM	Rated GPM	Sheave Setting (turns open)	Water Loop				Ground Water				Ground Loop			
							Cooling 86°F		Heating 68°F		Cooling 59°F		Heating 50°F		Cooling 77°F		Heating 32°F	
							BTU	EER	BTU	COP	BTU	EER	BTU	COP	BTU	EER	BTU	COP
V	SB168	F	Belt Drive with VFD	5,600	42.0	1.0	169,000	15.3	198,000	4.9	186,000	21.4	152,000	4.1	174,000	17.0	121,000	3.5
		P	Belt Drive with VFD	2,800	21.0	1.0	82,000	15.5	93,000	4.8	93,000	23.5	75,000	4.2	89,000	21.0	68,000	3.9
	SB192	F	Belt Drive with VFD	6,400	48.0	1.0	188,000	15.2	222,000	5.2	202,000	22.0	182,000	4.5	194,000	17.0	140,000	3.7
		P	Belt Drive with VFD	3,200	24.0	1.0	93,000	16.0	110,000	5.2	100,000	24.0	89,000	4.5	99,000	21.0	76,000	4.0
	SB240	F	Belt Drive with VFD	8,000	60.0	1.0	232,000	14.0	298,000	4.9	257,000	21.0	239,000	4.3	235,000	15.0	179,000	3.5
		P	Belt Drive with VFD	4,000	30.0	1.0	115,000	15.5	142,000	5.1	128,000	22.0	114,000	4.4	122,000	20.5	97,000	4.0
	SB300	F	Belt Drive with VFD	10,000	75.0	1.0	300,000	13.3	378,000	4.6	330,000	19.1	294,000	3.9	302,000	14.3	221,000	3.1
		P	Belt Drive with VFD	5,000	37.5	1.0	149,000	14.5	183,000	4.8	168,000	23.0	147,000	4.2	155,000	18.5	129,000	3.7

NOTES:

- Where dual voltages are available, ratings are based on the lower voltage setting.
- Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.
- Heating capacities based upon 68°F DB, 59°F WB entering air temperature.
- Ground Loop Heat Pump ratings based on 15% antifreeze solution.

DIMENSIONAL DATA

SB — Compact Large Water-to-Air							
Configuration	Size	Height (in)	Width (in)	Depth (in)	Water Connections (in)		Weight (lbs)
					Inlet	Outlet	
H	SB072	21.6	36.3	84.9	1-1/4 FPT	1-1/4 FPT	586
	SB096	21.6	36.3	84.9	1-1/4 FPT	1-1/4 FPT	644
	SB120	21.6	36.3	84.9	1-1/2 FPT	1-1/2 FPT	698
V	SB072	69.8	41.0	29.0	1-1/4 FPT	1-1/4 FPT	586
	SB096	69.8	41.0	29.0	1-1/4 FPT	1-1/4 FPT	644
	SB120	69.8	41.0	29.0	1-1/2 FPT	1-1/2 FPT	698
V	SB168	69.8	82.3	29.2	2 FPT	2 FPT	1,069
	SB192	69.8	82.3	29.2	2 FPT	2 FPT	1,164
	SB240	69.8	82.3	29.2	2 FPT	2 FPT	1,184
V	SB300	69.8	82.3	29.2	2-1/2" FPT	2-1/2" FPT	1,297

SB — Compact Large Water-to-Air							
Configuration	Size	Height (in)	Width (in)	Depth (in)	Water Connections (in)		Weight (lbs)
					Inlet	Outlet	
H with WSE	SB072	21.6	46.3	84.9	-	-	838
	SB096	21.6	46.3	84.9	-	-	921
	SB120	21.6	46.3	84.9	-	-	998
V with WSE	SB072	69.8	41.3	39.2	-	-	762
	SB096	69.8	41.3	39.2	-	-	837
	SB120	69.8	41.3	39.2	-	-	907
V with WSE	SB168	69.8	82.3	42.0	-	-	1,529
	SB192	69.8	82.3	42.0	-	-	1,665
	SB240	69.8	82.3	42.0	-	-	1,693
V with WSE	SB300	69.8	82.3	42.0	-	-	1,855

SB UNIT MODEL NOMENCLATURE

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S

Product Name:
S = R-454B Refrigerant

Model Type:
B = Compact High-Capacity Series

Supply & Return Configurations:

Horizontal		
Supply	Return	
	Left	Right
Straight	L	R
Back	B	P

Vertical	
Return/Supply	Option
Front/Top	F
Back/Top	C
Back/Front	G
Front/Back	H

Size:
072 096 120 168
192 240 300

Revision:
B = Current

Voltage:

3 Phase 60Hz	With RDS
208/230V	K
460V	L
575V	M

Controls:

Control	Standard	MPC	ClimaLink Edge
CXM2	C	N	E
CXM2 with disconnect	W	R	G

Cabinet:

Cabinet	Ultra Quiet	Rail/Frame		
		1"	2"	4"
Extended Range	No	1	J	Q
	Yes	2	L	T
Standard Range	No	3	N	U
	Yes	4	F	V

Standard:
S = Standard

Blower Motor:

	Belt Drive	Single-Point Power		Dual-Point Power	
		Standard RPM	Low RPM	High RPM	VFD
Standard Motor		1	2	3	
Large Motor		4	5	6	

Extended Options:
0 = Standard, None
W = Waterside Economizer

Drain Pan/Heat Exchanger Options:

Air Coil	Drain Pan	
	Standard	Stainless Steel
Noncoated	C	S
E-coated	E	M

Water Options:

Options	Horizontal			
	Coax			
	Copper		Cupronickel	
Water Side	Left	Right	Left	Right
None	0	1		

Options	Vertical			
	Coax			
	Copper		Cupronickel	
Water Side	Left	Right	Left	Right
None	0	Z	1	2
MWV	M	V	3	4
MOD/MWV	C	N	5	6



SB WITH HOT GAS REHEAT | COMPACT HIGH-CAPACITY SERIES

Water-to-Air Unit

The Tranquility (SB) Compact High-Capacity Series raises the bar for water-source heat pump efficiencies, features and application flexibility. Not only does the Tranquility SB exceed ASHRAE 90.1 efficiencies, but it also uses R-454B low Global Warming Potential (GWP) refrigerant, making it an extremely environmentally friendly space conditioning product solution.

 Forced air heating and cooling



SB WITH HOT GAS REHEAT CAPACITIES

072 096 120 168 192 240 300

CABINET FINISH



Galvanized steel



UNIT FEATURES:

- » Available voltages:
 - » 208/230V, 60Hz, 3Ph
 - » 460V, 60Hz, 3Ph
- » Refrigerant Detection System (RDS) (required for all sizes)
- » Vertical configurations with front or back return and top, front, or back discharge.
- » Fan discharge on all models is field convertible and uses all existing parts.
- » Electric power entry points from either side of the front
- » Configurable water connections for left or right handling
- » Dual refrigeration circuits (all sizes)
- » Direct drive variable-speed EC Plenum Fans
- » DXM2.6 Advanced Communicating Controls
- » Hot Gas Reheat for enhanced climate control and humidity management

AHRI PERFORMANCE DATA

SB WITH GAS REHEAT — Compact High-Capacity Water-to-Air

Model	Motor	Rated CFM	Rated GPM	Type	Cooling		Heating		Dimensional Data (inches)			Dimensional Data With WSE (inches)			Water Connection Size (inches)	Unit Operating Weight (lbs)
					Full Load	EER	Full Load	COP	Height	Width	Depth	Height	Width	Depth		
SB072	EC Plenum	2,400	18	Water Loop	71,000	14.1	92,300	5.3	69.8	41.0	29.0	69.8	41.3	39.2	1-1/4	586
	EC Plenum	2,400	18	Ground Water	77,800	20.5	76,000	4.6								
	EC Plenum	2,400	18	Ground Loop	74,100	15.5	58,300	3.8								
SB096	EC Plenum	3,200	24	Water Loop	101,000	15.3	122,800	5.0	69.8	41.0	29.0	69.8	41.3	39.2	1-1/4	644
	EC Plenum	3,200	24	Ground Water	110,500	22.3	99,500	4.4								
	EC Plenum	3,200	24	Ground Loop	101,700	16.3	76,600	3.6								
SB120	EC Plenum	4,000	30	Water Loop	122,000	13.7	156,000	4.6	69.8	41.0	29.0	69.8	41.3	39.2	1-1/2	698
	EC Plenum	4,000	30	Ground Water	128,000	18.1	127,000	4.0								
	EC Plenum	4,000	30	Ground Loop	124,500	14.3	98,500	3.4								
SB168	EC Plenum	5,600	42	Water Loop	168,000	14.4	192,000	4.7	69.8	82.3	29.2	69.8	82.3	42.0	2	1,069
	EC Plenum	5,600	42	Ground Water	186,000	21.0	151,800	4.1								
	EC Plenum	5,600	42	Ground Loop	172,000	16.2	121,000	3.5								
SB192	EC Plenum	6,400	48	Water Loop	187,000	14.9	220,000	5.1	69.8	82.3	29.2	69.8	82.3	42.0	2	1,164
	EC Plenum	6,400	48	Ground Water	201,000	21.5	181,000	4.5								
	EC Plenum	6,400	48	Ground Loop	194,000	16.5	139,000	3.7								
SB240	EC Plenum	8,000	60	Water Loop	232,000	13.9	294,000	4.9	69.8	82.3	29.2	69.8	82.3	42.0	2	1,184
	EC Plenum	8,000	60	Ground Water	256,000	20.0	236,000	4.3								
	EC Plenum	8,000	60	Ground Loop	232,000	14.3	179,000	3.5								
SB300	EC Plenum	10,000	75	Water Loop	290,000	12.0	372,000	4.5	69.8	82.3	29.2	69.8	82.3	42.0	2-1/2	1,297
	EC Plenum	10,000	75	Ground Water	328,000	18.0	290,000	4.0								
	EC Plenum	10,000	75	Ground Loop	299,000	13.6	217,000	3.2								

NOTES:

- Where dual voltages are available, ratings are based on the lower voltage setting.
- Heating capacities based upon 68°F DB, 59°F WB entering air temperature.
- Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.
- Ground Loop Heat Pump ratings based on 15% antifreeze solution.

SB WITH HOT GAS REHEAT UNIT MODEL NOMENCLATURE

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S

Product Name:

S = R-454B Refrigerant

Model Type:

B = Compact High-Capacity Series

Supply/Return Configuration:

Vertical	
Return/Supply	Option
Front/Top	F
Back/Top	C
Back/Front	G
Front/Back	H

Size:

072	096	168	240
	120	192	300

Revision:

C = Current

Voltage:

3 Phase 60Hz	With RDS
208/230V	K
460V	L

Controls:

Control	Standard	ClimaLink Edge
DXM2.6 with GXM	D	F
DXM2.6 with GXM and Disconnect	B	H

Standard:

S = Standard

Blower Motor:

Option	Single-Point Power	Dual-Point Power
EC Plenum	7	G

Extended Options:

R = On/Off HGRH
S = On/Off HGRH with WSE

Drain Pan/Heat Exchanger Options:

C = Standard Drain Pan, Noncoated Air Coil
S = Stainless-Steel Drain Pan, Noncoated Air Coil
E = Standard Drain Pan, E-Coated Air Coil
M = Stainless-Steel Drain Pan, E-Coated Air Coil

Water Options:

Option	Coax			
	Copper		Cupronickel	
Water Side	Left	Right	Left	Right
MOD/MWV	C	N	5	6

Cabinet Options:

Cabinet	Ultra Quiet	Rail/Frame		
		1"	2"	4"
Extended Range	No	1	J	Q
	Yes	2	L	T
Standard Range	No	3	N	U
	Yes	4	F	V

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SD | CONSOLE

Water-to-Air Unit

The Console Series provides a high efficiency ductless solution for spaces where individual, quiet control of the heating and cooling system is important. The Console Series exceeds ASHRAE 90.1 efficiencies, yet maintains small cabinet dimensions. The Console Series is an excellent choice for water loop or geothermal applications, and has no through-the-wall penetrations.

 Forced air heating and cooling



SD CAPACITIES

009	012	015	018
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CABINET FINISH OPTIONS



UNIT FEATURES:

- » Available voltages:
 - » 115V, 60Hz, 1Ph
 - » 208/230V, 60Hz, 1Ph
 - » 265V, 60Hz, 1Ph
- » High-efficiency rotary compressors
- » Exceeds ASHRAE 90.1 efficiencies
- » Two-piece chassis/cabinet design
- » Galvanized-steel cabinet with durable Polar Ice or Bright White powder-coat finish
- » Slope-top/aluminum rigid bar supply-air grille
- » Right- or left-hand piping arrangement
- » Front or bottom return air configuration
- » Hydrophilic coated air coils
- » CXM2 Communicating Controls
- » On-board or remote thermostat options

AHRI PERFORMANCE DATA

SD — Console — Water-to-Air														
Model	Type	Cooling with PSC Blower		Heating with PSC Blower		Cooling with ECM Blower Option		Heating with ECM Blower Option		Dimensional Data			Water Connection Size	Unit Operating Weight (lbs)
		BTU	EER	BTU	COP	BTU	EER	BTU	COP	Height	Width	Depth		
SD09	Water Loop	8,500	13.3	11,400	4.5	8,600	14.0	11,300	4.6	21.0"	48.0"	12.0"	1/2"	184
	Ground Water	9,500	21.5	9,500	3.8	9,600	23.0	9,400	4.0					
	Ground Loop	8,800	15.0	7,300	3.2	8,900	16.5	7,200	3.3					
SD12	Water Loop	11,300	13.0	14,300	4.5	11,600	13.5	14,500	4.5	21.0"	48.0"	12.0"	1/2"	187
	Ground Water	13,000	19.0	11,800	3.9	13,100	20.0	11,900	3.9					
	Ground Loop	11,800	15.0	9,200	3.3	12,200	15.5	9,200	3.3					
SD15	Water Loop	13,700	12.9	17,500	4.7	13,800	13.2	18,000	4.8	21.0"	48.0"	12.0"	1/2"	199
	Ground Water	15,700	18.9	14,600	4.0	16,000	19.4	14,700	4.0					
	Ground Loop	14,500	14.8	11,400	3.3	14,700	15.0	11,500	3.3					
SD18	Water Loop	-	-	-	-	17,000	13.0	23,000	4.2	26.0"	54.0"	12.0"	3/4"	224
	Ground Water	-	-	-	-	20,000	20.0	19,000	3.8					
	Ground Loop	-	-	-	-	18,000	15.0	15,000	3.3					

NOTES:

- Where dual voltages are available, ratings are based on the lower voltage setting.
- Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.
- Heating capacities based upon 68°F DB, 59°F WB entering air temperature.
- Ground Loop Heat Pump ratings based on 15% antifreeze solution.

SD UNIT MODEL NOMENCLATURE

1 2 3 4 5,6 7 8 9 10 11 12 13 14 15

S **D** **M** **5** **09** **A** **G** **C** **S** **0** **C** **S** **P** **S**

Product Name:
S = R-454B Refrigerant

Model Type:
D = Console Series

Cabinet, Return, and Color:

Option	Polar Ice		Bright White	
	Bottom	Front	Bottom	Front
Standard	B	F	D	G
Locking Control Door	L	C	M	Q
Extended Cabinet	E	A	H	J
Extended Cabinet w/ Locking Door	K	S	U	V
No Cabinet	N	T	P	R
No Cabinet w/ Extended Length	1	2	3	4

Subbase:

Color	Size	No Damper	Damper
No Subbase	-	N	-
Black	3" ¹	3	-
	5"	5	F
Bright White	3" ¹	4	-
	5"	6	G

Size:
09 15
12 18

Revision:
A = Current

Voltage:

Voltage	Standard	Voltage Standard With Refrigerant Detection System
115-1-60	A	B
208/230-1-60	G	J
265-1-60	E	D

Standard:
S = Standard

Blower Motor:
P = PSC
T = Constant Torque (CT) EC

Copper Connections:

Water Coil Pipe Location	Copper		Cupronickel	
	Right	Left	Right	Left
Sweat	R	L	U	F
FPT	S	M	V	G
MPT	T	N	W	H

Drain Pan/Heat Exchanger Options:
C = Standard Drain Pan, Hydrophilic-Coated Air Coil
S = Stainless Steel Drain Pan, Hydrophilic-Coated Air Coil

Water Options:

Option	Description
0	None
M	Motorized Water Valve
C	Modulating Valve, Low System Pressure Drop
7	Internal Secondary Pump
A	AFR 2.5 GPM/ton
W	MWV and AFR 2.5 GPM/ton
F	AFR 3.0 GPM/ton
T	MWV and AFR 3.0 GPM/ton

Chassis Options:

Range	Sound Attenuation Package	
Extended Range	No	E
	Yes	F
Standard	No	S
	Yes	T

Controls:

CXM2	Unit Mounted	Remote Stat	Internally Mounted MPC	Internally Mounted ClimaLink Edge
	CM300 Tstat			
Field Connected	F	R	L	V
Disconnect	G	S	M	W
Circuit Breaker	H	T	N	Y
Plug and Cord	J	U	P	Z

1. If a 3-inch subbase is selected, the blower motor's LOW speed tap cannot be utilized.



ST | ROOFTOP SERIES

Water-to-Water Unit

The Tranquility (ST) Rooftop Series showcases superb efficiency ratings, quiet operation, and application flexibility that is synonymous with the Tranquility family. The Tranquility ST surpasses ASHRAE 90.1 efficiency standards and uses R-454B, a low Global Warming Potential (GWP) refrigerant, setting a high standard for eco-friendly performance.

 Forced air heating and cooling



ST CAPACITY

036	048	060	072	096	120
144	180	240			

CABINET FINISH

 Galvanized steel with power-coat finish



UNIT FEATURES:

- » Available voltages:
 - » 208/230V, 60Hz, 3Ph
 - » 460V, 60Hz, 3Ph
- » Refrigerant Detection System (RDS) (mandatory on sizes 048 through 240, optional for size 036)
- » Dual refrigeration circuits (sizes 096 and larger)
- » Galvanized-steel cabinet construction with polyester powder-coat paint
- » Double-wall construction for access doors with stainless-steel hardware
- » Easy-to-clean, rust-prohibitive, stainless-steel drain pan
- » CXM2 Communicating Controls (Sizes 096-240 only) or DXM2.6 Advanced
- » Communicating Controls (Sizes 036-072, optional on sizes 096-240) 26,100
- » High-efficiency EC plug fans
- » Up to 2-inch (5.08 cm) ESP capability
- » Slide-out blower assembly for quick servicing.
- » ClimaDry II modulating condenser water driven reheat

AHRI PERFORMANCE DATA

ST — Rooftop — Water-to-Air														
Model	Type	Full Load Cooling with ECM Blower		Part Load Cooling with ECM Blower		Full Load Heating with ECM Blower		Part Load Heating with ECM Blower		Dimensional Data (inches)			Water Connection Size (Inches)	Unit Operating Weight (lbs)
		BTU	EER	BTU	EER	BTU	COP	BTU	COP	Height	Width	Depth		
ST036	Water Loop	36,000	15.0	26,100	16.4	44,000	5.1	31,900	5.5	43.4	80.0	43.0	3/4	333
	Ground Water	40,400	22.1	30,300	28.0	35,700	4.6	25,300	4.6					
	Ground Loop	37,800	16.4	29,200	22.6	28,800	3.7	22,900	3.9					
ST048	Water Loop	48,000	14.0	34,800	15.3	58,700	4.7	42,600	5.2	43.4	80.0	43.0	3/4	356
	Ground Water	54,200	20.3	40,400	26.0	47,600	4.1	33,800	4.2					
	Ground Loop	50,400	15.5	38,900	21.2	38,400	3.4	30,600	3.6					
ST060	Water Loop	60,000	16.2	43,500	17.7	73,400	5.1	53,300	5.5	43.4	80.0	43.0	1	379
	Ground Water	67,900	23.7	50,500	30.0	59,500	4.5	42,300	4.5					
	Ground Loop	63,000	17.9	48,700	24.2	48,000	3.7	38,300	3.9					
ST072	Water Loop	72,000	14.5	52,200	15.7	88,100	5.0	63,900	5.3	43.4	80.0	43.0	1-1/4	399
	Ground Water	81,400	21.3	60,600	26.7	71,400	4.4	50,700	4.4					
	Ground Loop	75,600	15.8	58,400	21.3	57,700	3.6	45,900	3.8					
ST096	Water Loop	96,000	14.0	68,000	14.0	117,500	4.4	88,100	4.4	45.4	96.0	49.0	1-1/2	490
	Ground Water	108,600	20.6	81,400	20.6	95,200	3.9	67,900	3.9					
	Ground Loop	100,800	15.6	76,900	15.6	88,100	3.3	63,900	3.3					
ST120	Water Loop	120,000	14.0	86,400	14.0	146,900	4.4	104,400	4.4	45.4	96.0	49.0	1-1/2	510
	Ground Water	135,800	20.6	99,600	20.6	119,100	3.9	88,100	3.9					
	Ground Loop	126,000	15.6	93,600	15.6	104,400	3.3	79,600	3.3					
ST144	Water Loop	144,000	14.0	104,400	14.0	176,300	4.5	121,600	4.5	45.4	96.0	49.0	1-1/2	534
	Ground Water	162,900	20.0	121,600	20.0	199,600	4.0	146,900	4.0					
	Ground Loop	151,200	15.2	112,800	15.2	181,400	3.3	135,800	3.3					

Model	Type	Full Load Cooling with ECM Blower		Part Load Cooling with ECM Blower		Full Load Heating with ECM Blower		Part Load Heating with ECM Blower		Dimensional Data (inches)			Water Connection Size (inches)	Unit Operating Weight (lbs)
		BTU	EER	BTU	EER	BTU	COP	BTU	COP	Height	Width	Depth		
ST180	Water Loop	168,000	15.0	84,000	15.0	205,700	5.0	102,800	5.0	49.1	96.0	87.0	2	850
	Ground Water	190,100	20.9	95,000	20.9	166,700	4.5	83,300	4.5					
	Ground Loop	176,500	16.5	88,200	16.5	134,600	3.7	67,300	3.7					
ST240	Water Loop	240,000	14.0	120,000	14.0	293,900	4.8	146,900	4.8	49.1	96.0	87.0	2	889
	Ground Water	271,600	20.0	135,800	20.0	238,200	4.2	119,100	4.2					
	Ground Loop	252,100	15.0	126,000	15.0	192,300	3.4	96,100	3.4					

Notes:

- Where dual voltages are available ratings are based on the lower voltage setting.
- Heating capacities based upon 68°F DB, 59°F WB entering air temperature.
- Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.
- Ground-Loop Heat Pump ratings based on 15% antifreeze solution.

ST UNIT MODEL NOMENCLATURE

1 2 3 4, 5, 6 7 8 9 10 11 12 13 14 15

Product Name:
S = Tranquility

Model Type:
T = Rooftop Series

Air Damper Options:
0 = None
1 = Motorized Fresh Air Damper
2 = Modulating Enthalpy Economizer¹

Size²:
036 048 060
072 096 120
144 180 240

Revision:
A = Current

Voltage:
K = 208/230-3-60 with Refrigerant Detection System
L = 460-3-60 with Refrigerant Detection System

Controls:

Board	Power Termination	Standard	MPC	Edge	With GFI		
					Standard	MPC	Edge
CXM2 ³	Field Connected	C	N	E	-	-	-
	Disconnect	W	R	J	1	5	M
DXM2.6 ³	Circuit Breaker	F	T	K	3	7	Y
	Field Connected	D	P	A	-	-	-
	Disconnect	B	S	H	2	6	V
	Circuit Breaker	G	U	L	4	8	Z

Standard:
S = Standard

Blower Motor:
M = Plug EC

Extended Options:
0 = None
F = Smoke Detector (Return)
G = Smoke Detector (Supply)

Drain Pan/Heat Exchanger Options:
C = Noncoated Air Coil
E = E-Coated Air Coil

Water Options:

Options	Coax Material	
	Copper	Cupronickel
None	0	Z
Modulating Valve	C	V
Internal Pump (Variable with Check Valve) ⁴	3	P
Internal Pump (Variable no Check Valve) ⁴	J	N
ClimaDry	D	
Internal Secondary Pump (ISP)	7	

Filter Options:

Model	MERV 8			MERV 13		
	2"	4"	4"	2"	4"	4"
Extended Range	H	Y	Q			
Standard Range	W	Z	U			

Notes:

- The Modulating Enthalpy Economizer option is not compatible with the iGate 2 Communicating (AWC) Thermostat. The thermostat must be a standard heat pump thermostat or wall sensor.
- Sizes 036-072 include one two-stage compressor. Sizes 120-240 include two single-stage compressors.
- Size 036-072 must use DXM2.6.
- Only available on size 036-072.



SW | TWO-STAGE

Water-to-Water Unit

The Tranquility (SW) Water-to-Water Series presents a combination of high efficiency and capacity, boasting advanced features, quiet operation, and versatile application flexibility. The SW caters to diverse HVAC and industrial needs. From radiant-floor heating and snow-/ice-melt systems to chilled water for fan coils and industrial process control, it offers cost-effective solutions for both chilled and hot water applications



-  Radiant in-floor heating
-  Snow/ice melt
-  Hydronic heating and cooling
-  Industrial chilled and hot water applications

CABINET FINISH



SW CAPACITY

120

UNIT FEATURES:

- » High-efficiency scroll compressors provide partload operation significantly lowering annual operating costs
- » Refrigerant Detection System (RDS) (optional for all sizes)
- » Exclusive single-side service access (front of unit) allows multiple units to be installed side-by-side for large capacity installations
- » Heavy-gauge galvanized-steel construction
- » Insulated compressor compartment
- » Small footprint
- » TXV metering devices
- » DXM2.6 Advanced Communicating Controls

AHRI PERFORMANCE DATA

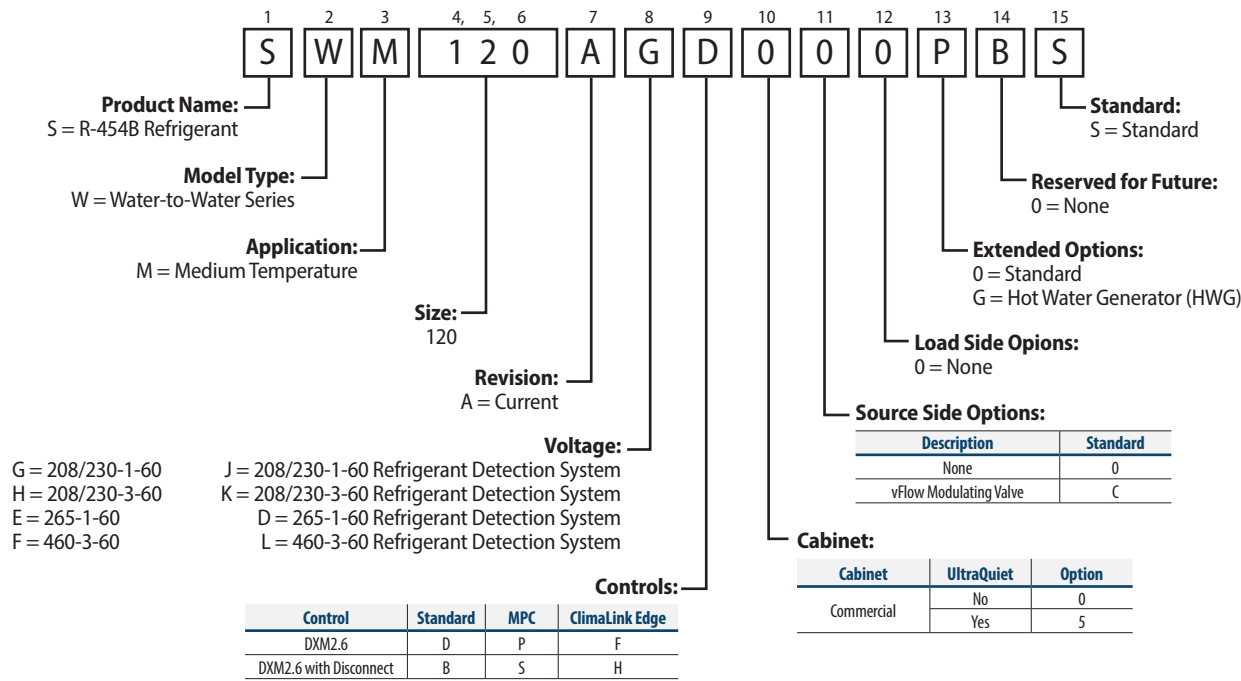
SW — Two-Stage — Water-to-Water

Model	Type	Cooling BTU				Heating BTU				Dimensional Data			Water Connection Size	Unit Weight (lbs)
		Full Load	EER	Part Load	EER	Full Load	COP	Part Load	COP	Height	Width	Depth		
SW120	Water Loop	104,800	14.9	52,500	15.4	148,500	5.0	73,900	5.0	34.8	48.8	30.6	Source/Load - FPT: 1-1/2" HWG - FPT: 1/2"	496
	Ground Water	116,800	23.5	58,500	24.2	119,200	4.0	59,000	4.1					
	Ground Loop	109,000	17.4	56,700	20.9	91,200	3.1	51,500	3.5					

NOTES:

- Rated in accordance with ISO Standard 13256-2
- Where dual voltages are available, ratings are based on the lower voltage setting.
- Ground Loop Heat Pump ratings based on 15% antifreeze solution
- Water Loop cooling: Source 86°F, Load 53.6°F. Water loop heating: Source 60.0°F, Load 104.0°F.
- Ground Water cooling: Source 59.0°F, Load 53.6°F. Ground water heating: Source 50.0°F, Load 104.0°F
- Ground Loop cooling: Source 77.0°F, Load 53.6°F. Ground loop heating: Source 32.0°F, Load 104.0°F

SW UNIT MODEL NOMENCLATURE



SWT | LARGE WATER-TO-WATER SERIES

Water-to-Water Unit

The Tranquility® (SWT) Large Water-to-Water Series offers high efficiency and high capacity with advanced features, quiet operation and application flexibility in a compact footprint. The Tranquility SWT Series can be used for radiant floor heating, snow/ice melt, chilled or hot water for fan coils, industrial process control, potable hot water generation (requires field supplied secondary heat exchanger), hot/chilled water for make-up air, and many other types of HVAC and industrial applications that require cost effective heated or chilled water.

-  Radiant in-floor heating
-  Snow/ice melt
-  Hydronic heating and cooling
-  Industrial chilled and hot water applications



SWT CAPACITY (TONS)

20	30	50	65	80
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CABINET FINISH

-  Galvanized steel with polyester powder-coat finish



UNIT FEATURES:

- » High efficiencies across a wide range of operation
- » High-efficiency scroll compressors provide partload operation significantly lowering annual operating costs
- » Reversible operation for heating and cooling.
- » Refrigerant Detection System (RDS)
- » Exclusive single-side service access (front of unit) allows multiple units to be installed side-by-side for large capacity installations
- » Heavy-gauge galvanized-steel construction
- » Insulated compressor compartment
- » Electronic expansion valves (EEV) for precise refrigeration control
- » OptiCORE Communicating Controls

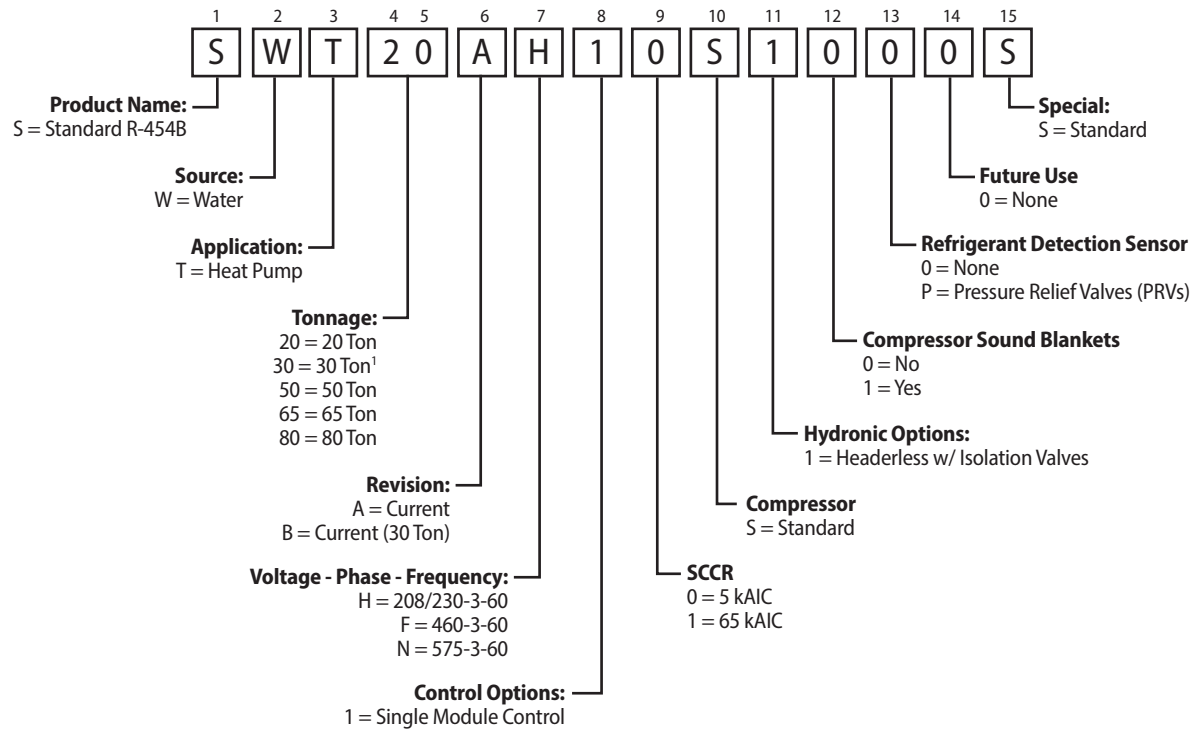
AHRI PERFORMANCE DATA

SWT — Large Water-to-Water																	
Size	Water Loop				Ground Water				Ground Loop				Dimensional Data (inches)			Water Connection Size (inches)	Unit Weight (lbs)*
	Cooling		Heating		Cooling		Heating		Cooling		Heating						
	Indoor 53.6°F Outdoor 86°F		Indoor 104°F Outdoor 68°F		Indoor 53.6°F Outdoor 59°F		Indoor 104°F Outdoor 50°F		Indoor 53.6°F Outdoor 77°F		Indoor 104°F Outdoor 32°F						
	BTU	EER	BTU	COP	BTU	EER	BTU	COP	BTU	EER	BTU	COP	Height	Width	Depth		
SWT20	247,000	14.5	346,000	4.8	279,000	22.9	274,000	3.9	259,000	16.9	212,000	3.1	70.00	24.00	55.00	2	966
SWT30	371,000	14.7	518,000	4.8	415,000	22.5	411,000	3.9	388,000	17.0	310,000	3.0	70.00	24.00	55.00	2	1,139
SWT50	563,000	14.8	789,000	4.9	624,000	21.9	626,000	4.1	584,000	16.9	478,000	3.2	73.54	60.00	30.00	2.5	1,510
SWT65	731,000	14.8	1,033,000	5.0	820,000	22.5	806,000	4.1	763,000	17.0	630,000	3.3	73.54	60.00	30.00	2.5	1,981
SWT80	917,000	14.6	1,303,000	4.9	1,028,000	21.9	1,018,000	4.0	958,000	16.8	797,000	3.3	73.54	60.00	30.00	2.5	2,197

NOTES:

- Rated in accordance with ISO Standard 13256-2
- Where dual voltages are available, ratings are based on the lower voltage setting.
- Ground Loop Heat Pump ratings based on 15% antifreeze solution
- Water Loop cooling: Source 86°F, Load 53.6°F. Water loop heating: Source 60.0°F, Load 104.0°F.
- Ground Water cooling: Source 59.0°F, Load 53.6°F. Ground water heating: Source 50.0°F, Load 104.0°F
- Ground Loop cooling: Source 77.0°F, Load 53.6°F. Ground loop heating: Source 32.0°F, Load 104.0°F

SWT UNIT MODEL NOMENCLATURE



1. 30 Ton configurations must select Revision B



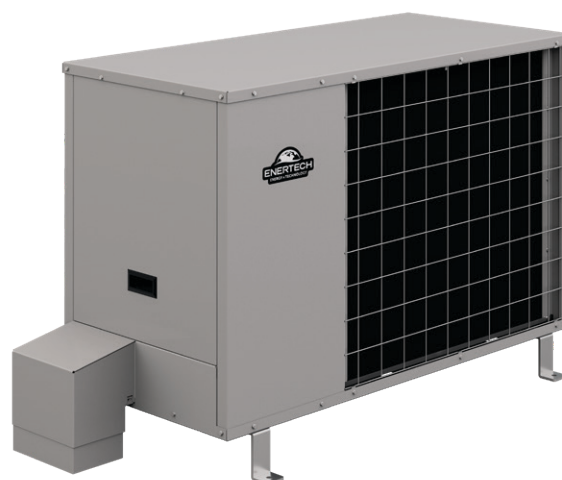
SK | DRY FLUID COOLER

Fluid-to-Air Heat Exchanger

The Enertech Sidekick™ Dry Fluid Cooler is the ultimate low cost solution for excessive ground loop temperatures. Designed for outdoor installation, the fluid cooler is ideal for use with closed loop systems in cooling dominant climates and for stand-alone water source heat pumps.

SK CAPACITIES

036 060



CABINET FINISH



Grey



UNIT FEATURES:

- » Compact vertical design requires minimal space
- » Eliminates the need for ground loop or allows for reduced ground loop size in cooling dominant climates
- » Direct drive, high efficiency ECM fan provides quiet operation
- » Standard copper tube/aluminum fin heat exchanger
- » Drop-in replacement for easy installation
- » Optional factory-installed internal flush valve and/or pump
- » Horizontal airflow configuration
- » Automatic shutdown for heating mode
- » Heavy gauge, galvanized steel construction for better durability
- » Powder coated, UV finish protects against the outdoor elements

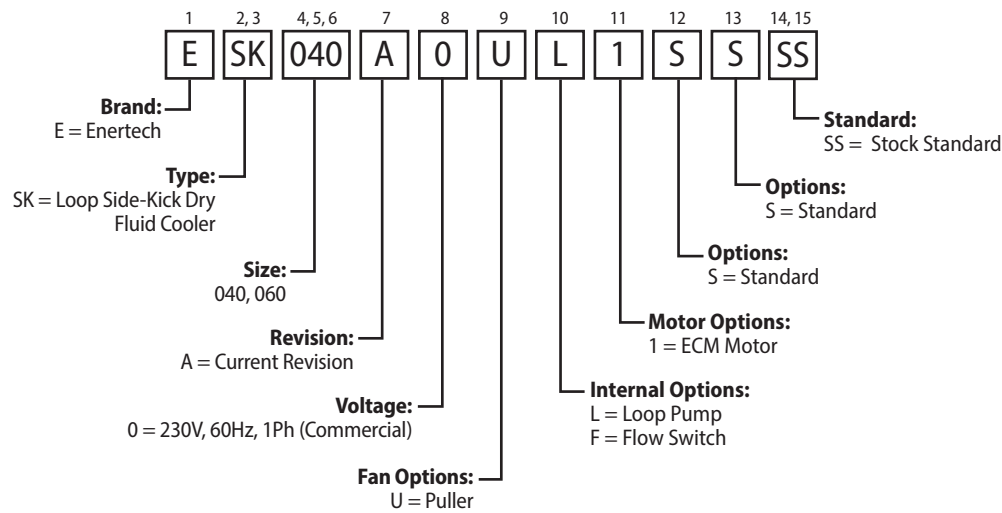
AHRI PERFORMANCE DATA

SK — Fluid-to-Air							
Model	Heat Rejection Capacity ¹ BTUH	Air Temp. into Fluid Cooler ² (DB) F	Air ΔT F	Water Flow Rate GPM	Water Temp. into Fluid Cooler F	Water ΔT through Fluid Cooler F	Approach Temperature ³ F
SK036	37,300	70°	13°	9	90°	8°	11.7°
	37,900	90°	13°	9	110°	8°	11.6°
	38,300	105°	13°	9	125°	9°	11.5°
SK060	71,600	70°	19°	15	90°	10°	10.5°
	72,300	90°	19°	15	110°	10°	10.4°
	73,000	105°	19°	15	125°	10°	10.3°

NOTES:

- Air flow is set at 2,650 SCFM for the 3-ton / 3,500 SCFM for the 5-ton
- 1. DSH is turned off, the heat rejection capacity is the capacity of the fluid cooler. The fluid cooler can mitigate a major proportion of heat load
- 2. The fluid cooler can handle the heat load at very hot ambient temperature
- 3. Approach temperature is defined as the temperature difference between leaving water temp and entering air temp of the fluid cooler.
- This table shows a limited range of performance data. Consult technical documentation for the complete range of data.

SK SERIES – MODEL NOMENCLATURE



EAH | HYDRONIC SERIES

Multi-Position Air Handler

Enertech Hydronic Air Handlers and “A” Coils are a perfect fit for our line of water-to-water and air-to-water equipment. Now manufactured by Enertech, our Hydronic Air Handlers and “A” Coils come with the same high quality you can expect from the heat pumps you’re pairing them with.

EAH CAPACITIES

024 036 048 060



CABINET FINISH



Carbon Grey



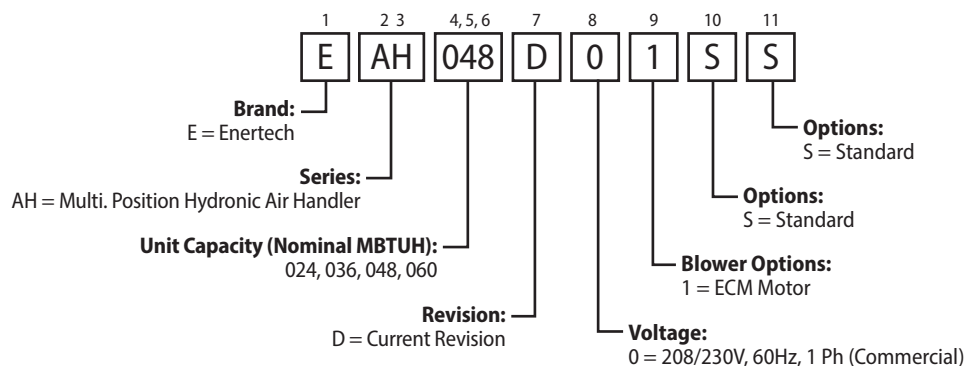
UNIT FEATURES:

- » Multi-Positional Applications (upflow, downflow, horizontal)
- » Variable Speed ECM Fan Motor
- » Factory installed 75VA Transformer with Circuit Breaker
- » Single-point Electrical Connection for Auxiliary Heat
- » “Easy glide” slide out blower assembly
- » “Easy glide” slide out “A” Coil assembly for downflow applications
- » Modular Design allows flexibility when installing in tight spaces
- » Optional “Plug-N-Play” Field Installed Electric Heater
- » Single coil for both chilled water and hot water
- » Designed for 100°F to 120°F water in heating operation & 42°F to 50°F water in cooling operation
- » Optimized for use with Enertech-branded geothermal water-to-water and air-to-water heat pumps
- » 3 Year Parts Only Warranty and 90 Day Out-of-Box Assurance

EAH — Hydronic Series — Multi-Position Air Handlers

Model	Size (tons)	Dimensional Data <i>All Dimensions In Inches</i>			Return Air Opening		Water Connection Size		Unit Weight (lbs)
		Height	Width	Depth	Width	Depth	Liquid	Suction	
EAH024	2	47.0	18.0	21.5	20.0	16.5	3/4" O.D	3/4" O.D	155
EAH036, EAH048	3, 4	53.6	21.5	21.5	20.0	20.0	1-1/8" O.D	1-1/8" O.D	190
EAH060	5	53.6	25.0	21.5	20.0	20.0	1-1/8" O.D	1-1/8" O.D	210

EAH SERIES — MODEL NOMENCLATURE



EEH | HYDRONIC SERIES

Cased "A" Coil

EEH CAPACITIES

- 024
- 036
- 048
- 060



CABINET FINISH

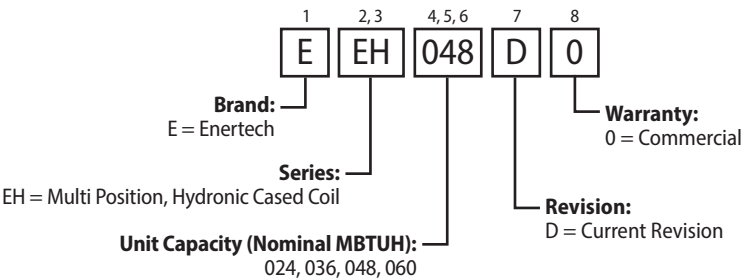


UNIT FEATURES

- » Multi-Positional Applications
 » Galvanized, pre-painted steel for quality and durability
 » Corrosion proof plastic drain pan with primary and secondary connections
 » "Easy glide" slide out coil assembly
 » Closed cell insulated cabinet
- » Designed for 100°F to 120°F water in heating operation & 42°F to 50°F water in cooling operation
 » Single coil for both chilled water and hot water
 » Optimized for use with Enertech geothermal brand water-to-water and air-to-water heat pumps
- » Corrosion-proof plastic drain pan with primary and secondary drain connections
 » Copper sweat water connections
 » 3 Year Parts Only Warranty and 90 Day Out-of-Box Assurance
 » Consult price book for additional warranty coverage details

EEH — Hydronic Series — Cased "A" Coils									
Model	Size (tons)	Dimensional Data (inches)			Return Air Opening (inches)		Line Sets (Inches)		Unit Weight (lbs)
		Height	Width	Depth	Width	Depth	Liquid	Suction	
EEH024	2	25.375	18.0	21.5	-	-	3/4" O.D	3/4" O.D	80
EEH036, EEH048	3, 4	30.375	21.5	21.5	-	-	1-1/8" O.D	1-1/8" O.D	95
EEH060	5	30.375	25.0	21.5	-	-	1-1/8" O.D	1-1/8" O.D	100

EEH SERIES – MODEL NOMENCLATURE



EAD | ENERTECH DX SERIES

R-454B, Multi-Position Air Handler

Enertech indoor split systems have AHRI (Air-Conditioning, Heating, and Refrigeration Institute) certified DX Air Handler matches for every model. That means better performance and guarantees the operating efficiency of the system, which is a requirement for many rebates and incentives.

EAD CAPACITIES

018 024 036 048 060 072



CABINET FINISH

Carbon Grey



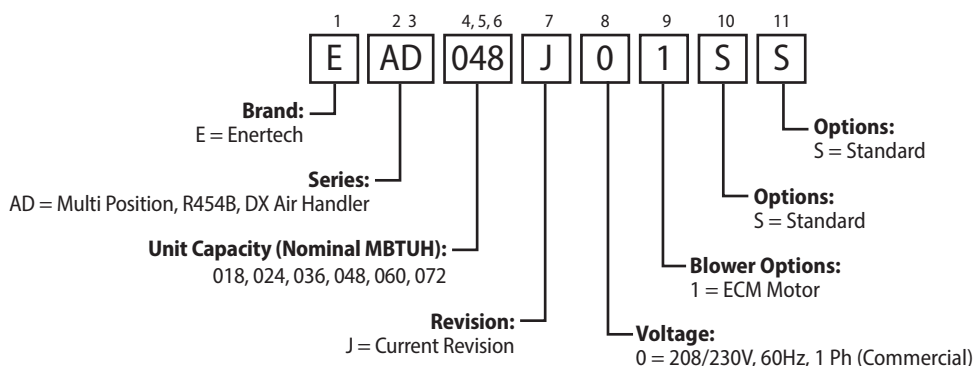
UNIT FEATURES:

- » AHRI match with Enertech Indoor Split
- » 6 sizes: 1.5 (018), 2 (024), 3 (036), 4 (048), 5 (060), and 6 (072) ton
- » Multi-Positional Applications (upflow, downflow, horizontal)
- » Variable Speed ECM Fan Motor
- » Factory Installed TXV (for cooling)
- » Factory installed 75VA Transformer with Circuit Breaker
- » Single-point Electrical Connection for Auxiliary Heat
- » Modular Design allows flexibility when installing in tight spaces
- » "Easy glide" slide out "A" Coil assembly for downflow applications
- » "Easy glide" slide out blower assembly
- » Closed cell insulated cabinet
- » Optional "Plug-N-Play" Field Installed Electric Heater
- » 5 Year Parts
- » Factory-installed mitigation kit to provide a Refrigerant Detection System (RDS)

EAD — DX Series — R-454B, Multi-Position Air Handlers

Model	Size (tons)	Dimensional Data (inches)			Return Air Opening (inches)		Line Sets (Inches)		Unit Weight (lbs)
		Height	Width	Depth	Width	Depth	Liquid	Suction	
EAD018	1.5	47.0	18.0	21.5	20.0	16.5	3/8	5/8	155
EAD024	2	47.0	18.0	21.5	20.0	16.5	3/8	5/8	155
EAD036, EAD048	3, 4	53.6	21.5	21.5	20.0	20.0	3/8	3/8	190
EAD060, EAD072	5, 6	53.6	25.0	21.5	20.0	20.0	3/8	7/8	210

EAD SERIES — MODEL NOMENCLATURE



Commercial Geothermal Warranty Options

The highest quality products should come with a warranty that demonstrates confidence in their design and construction. We are committed to this principle by fully supporting our products.

Quality assurance is a key part of how we do business. We understand that successful business relationships are built on providing superior products backed by the highest quality technical and customer support.

COMMERCIAL GEOTHERMAL WARRANTY

Enertech Global, LLC warrants that all internal system components of the geothermal heat pump are free from defects in materials and workmanship under normal use and maintenance for a period of one (1) year from the Warranty Commencement Date, as defined below. The Warranty Commencement Date is determined by the date the geothermal heat pump is shipped from Enertech Global, LLC unless the system has been registered. For systems that are registered with Enertech Global, LLC, the Warranty Commencement Date will be either the installation date of the geothermal heat pump or twelve (12) months from the shipment date, whichever occurs first.

Additional Commercial or Non-Single Family Geothermal Installation Warranty Options

The following optional extended warranties, if purchased, are additive to the standard Commercial Warranty

**Part #CCW Commercial Extended
Warranty - Five-Year Compressor Limited
Warranty**

Extends the compressor warranty part coverage by FOUR (4) years (years 2 through 5) from the Warranty Commencement Date.

**Part #CRW Commercial Extended
Warranty - Five-Year Refrigerant Circuit
Limited Warranty**

Extends the refrigerant circuit components warranty parts coverage by FOUR (4) years (years 2 through 5) from the Warranty Commencement Date.

**Part #CPW Commercial Extended
Warranty - Five-Year Internal
Components Limited Warranty**

Extends all internal system components warranty parts coverage by FOUR (4) years (years 2 through 5) from the Warranty Commencement Date.

Warranty options may vary depending on the product. Consult with our customer service team for pricing and complete warranty details.



SELECT THE RIGHT UNIT, EVERY TIME.

As a geothermal designer, you know the importance of choosing the proper equipment to get the job done right. However, it doesn't have to be complicated. With GeoSelect Pro, you'll have access to completely free commercial geothermal

software that makes it easy to select a unit, save projects and generate submittals.

Based on inputs from the engineer or designer, the software will not only automatically select the correct size of unit,

but will also tell the user whether or not a specified heat pump satisfies all the criteria for their particular zone or load. With the full Commercial Series product line already loaded, you'll be able to select the right system for any job!

With GeoSelect Pro You Can:

- ✓ **Input entering water temperatures** for the ground or building loop, entering air temperatures for the space, the amount and temperature of the outside air for ventilation and provide mixed leaving air temperatures from the heat pump.
- ✓ **Easily copy each zone's selected heat pump** to save time on larger projects that have very similar zone requirements.
- ✓ **Select individual options and accessories** for each heat pump model.
- ✓ **Generate custom submittals and engineering specifications** based on actual project parameters and inputs, and provide AHRI data for comparisons.
- ✓ **Export schedules into an Excel document** for use with CAD and blueprint files.
- ✓ **Build a schedule of equipment for the project with your selected heat pumps.** Template schedules are available, and you will have the ability to customize the schedules based on your project's parameters or specifications. You can have both water-to-air and water-to-water schedules working at the same time.

Works Everywhere

You can take GeoSelect Pro with you wherever you go. As a convenient web app that works across platforms, you can take this software from the office to your home to the jobsite. It even works on your mobile device! Your projects are saved as you go, so you won't ever lose data due to

computer crashes, and all GeoSelect Pro projects are saved permanently so you'll never have to do the same work twice. There's even an option to share saved jobs with other users to make collaboration free and easy.

geoselectpro.com



START USING GESELECT PRO TODAY!

GeoSelect Pro has no membership cost or surprise add-on fees, and registering is simple! Complete the online registration form and you will receive your login information via email. Click the link provided in your email to start using GeoSelect Pro. Sign up today to take your commercial geothermal business to the next level!



enertechusa.com

2506 S Elm St, Greenville, IL 62246
618-664-9010



Enertech is proud to be a part of NIBE Industrier AB, an 8,000 employee strong European company and the largest geothermal heat pump manufacturer in the world.



Every Enertech geothermal heat pump is handcrafted with pride by our dedicated employees in Mitchell, SD and Greenville, IL.

Enertech geothermal heat pumps are eligible for **U.S. federal tax credits** for qualifying **commercial** projects.



- » **Up to 30%** credit on system cost
- » **Up to 10%** credit for domestic content
- » **Up to 10%** credit for energy communities



Enertech Global is continually working to improve its products. As a result, the design, specifications, and general information of each product may change without notice and may not be as described herein. For the most up-to-date information, please visit our website, or contact our Customer Relations department at customerrelations@enertechusa.com. Statements and other information contained herein are not express warranties and do not form the basis of any bargain between the parties, but are merely Enertech Global's opinion or commendation of its products.