



WFI
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Versatec

Commercial Water-to-Water Water Source Heat Pump Extended Range Units

Submittal Data SD1152

Type: Water-to-Water
Size: 036, 060, 080, 120

Purchaser's approval of this drawing signifies that the equipment is acceptable under the provisions of the job specifications.

Contractor: _____
 P.O.: _____
 Engineer: _____
 Project Name: _____
 Unit Tag: _____

General Specifications

Low -Range Operation (VL) - Unit shall be capable of operating continuously at entering water temperatures of between 40°-110°F.

Extended-Range Operation (VX) - Unit shall be capable of operating continuously at entering water temperatures of between 25°-110°F. The coaxial heat exchanger and all water lines shall be fully installed to prevent condensation from forming at low entering water temperatures.

Cabinet - Casing of galvanized steel with a polyester powder coat finish.

Insulation - 1/2" thick multi-density glass fiber.

Insulated Refrigerant Circuit - Sealed and contains reversing valve, thermal expansion valve and high/low side access valves.

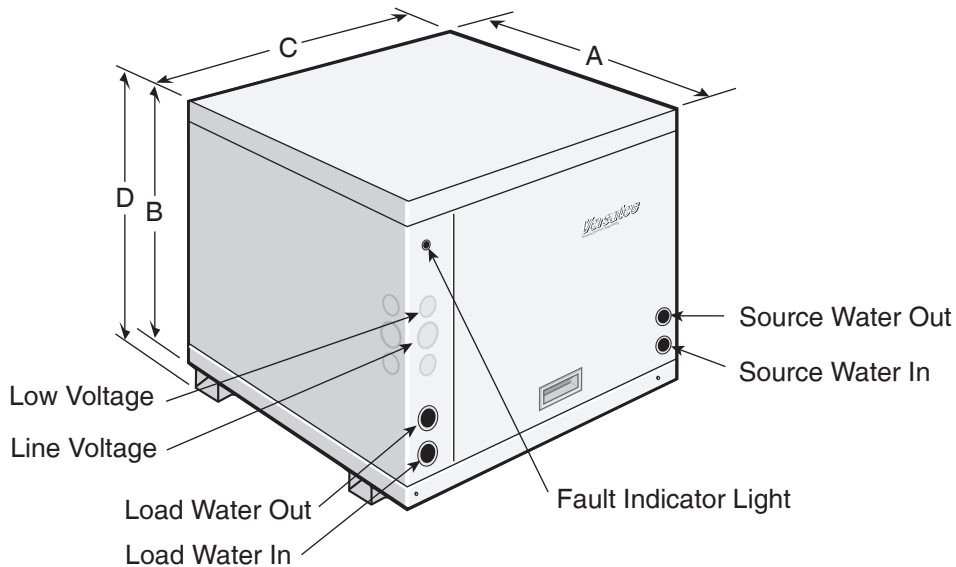
Compressor - PSC motor (single phase only), hermetically sealed with overload protection and mounted on rubber vibration isolators. High-efficiency compliant scroll or reciprocating designed for heat pump duty.

Coaxial Heat Exchanger - Steel outer tube, copper inner tube (optional Cupronickel) and female NPT fittings.

Electrical - High and low pressure safety switches, compressor relay, reversing valve coil, 24 volt 75VA transformer with circuit breaker and compressor control module with integral lockout mode and anti-short cycle protection.

Controls - Field installed low voltage temperature controls required. Factory installed low voltage terminal strip provided to facilitate field connection of control wiring.

Dimensional Data



Model	A	B	C	D	Load Water Connections	Source Water Connections
036	30.50	23.50	30.50	-	.75	.75
060	30.50	23.50	30.50	-	1.00	1.00
080	30.00	23.50	37.75	24.25	1.25	1.25
120	30.00	23.50	37.75	24.25	1.25	1.25

Note: All dimensions are in inches.

Physical Data

Model	036	060	080	120
Compressor	Scroll	Scroll	Scroll	Scroll
Ref. Charge - R22 (oz.)	49	84	120	170
Unit Weight (lbs.)	244	275	445	460

Electrical Data

Model	Voltage Code	Rated Voltage	Voltage Min/Max	Compressor				Total Unit FLA	Min Circ Amp	Max Fuse/HACR
				Qty	MCC	RLA	LRA			
VL/VX 036W	1	208-230/60/1	197/254	1	21.0	15.0	72.5	13.5	18.8	30
	2	265/60/1	239/292	1	18.0	11.5	61.0	11.5	14.4	25
	3	208-230/60/3	197/254	1	14.0	9.0	63.0	9.0	11.2	20
	4	460/60/3	414/506	1	7.0	4.5	31.0	4.5	5.6	10
VL/VX 060W	1	208-230/60/1	197/254	1	31.0	19.9	137.0	19.9	24.8	40
	3	208-230/60/3	197/254	1	23.0	14.7	91.0	14.7	18.4	30
	4	460/60/3	414/506	1	11.0	7.1	50.0	7.1	8.8	15
	5	575/60/3	518/633	1	8.0	5.1	37.0	5.1	6.4	10
VL/VX 080W	3	208-230/60/3	197/254	1	29.5	18.9	146.0	18.9	23.6	40
	8	380/60/3	342/418	1	17.9	11.5	88.4	11.5	14.4	25
	4	460/60/3	414/506	1	14.8	9.5	73.0	9.5	11.9	20
	5	575/60/3	518/633	1	11.8	7.6	58.4	7.6	9.5	15
VL/VX 120W	3	208-230/60/3	197/254	1	47.0	30.1	225.0	30.1	37.7	60
	8	380/60/3	342/418	1	26.0	16.6	140.0	16.6	20.1	35
	4	460/60/3	414/506	1	24.2	15.5	114.0	15.5	19.4	30
	5	575/60/3	518/633	1	18.9	12.1	80.0	12.1	15.1	25

Notes: All fuses type "D" time delay (or HACR circuit breaker in USA)

Rev. 08/06

Options (Factory Mounted)

- Extra-quiet construction consisting of a compressor sound blanket
- Cupronickel source-side coaxial heat exchanger
- (036W model) vented double-wall copper coax suitable for potable water systems.