



ENVISION™
Low Sill Console 0.75 to 1.5 Ton
Water Source/Geothermal Heat Pump



ENVISION SERIES LOW SILL CONSOLES

Perfect for classrooms, offices, hotels, or any room without ductwork, the Envision Series Console delivers cutting edge heating and cooling technology. A single speed R-410A rotary compressor is the heart of the console, which is available in a variety of cabinet and piping configurations. It features the ability to operate across a wide range of loop temperatures and its footprint is designed to match “legacy” consoles for easy retrofitting.

Over the last 30 years, WaterFurnace has built its reputation on innovation, quality, and customer satisfaction. We're committed to providing the highest quality products and the most extensive support network in the industry. By specifying WaterFurnace 0.75 - 1.5 ton Envision Series Low Sill Consoles, you can rest assured your customers are investing in a product with superior quality and performance.

Efficient operation with a compact footprint—Envision Low Sill Consoles will fit any ductless application.



KEY FEATURES

COMPRESSOR: Single speed rotary compressors. Available in commercial single phase voltages.

WATER LINES: 1/2" Copper FPT waterline connections are located on the end of the chassis for ease of installation.

COAXIAL HEAT EXCHANGER: Oversized and convoluted with copper inner tube (optional cupronickel) and steel outer tube, designed for maximum heat transfer at normal and low water flow rates to minimize pressure drop.

ALUMINUM AIR COIL: An aluminum air coil is featured in all Envision Console units to provide exceptional durability and high efficiencies. Added protection is also available with an optional AlumiSeal™ coating.

CABINET: Constructed of heavy gauge environmentally-responsible galvanized steel for maximum corrosion resistance. All cabinets finished with beige textured epoxy powder coating on both sides for added protection. Fits “legacy” console footprints.

REFRIGERANT CIRCUIT: Units utilize R-410A refrigerant in sealed circuits. Metering accomplished with thermostatic expansion valve to deliver optimum refrigerant flow over a wide range of conditions without troublesome check valves. Four-way solenoid activated reversing valve faults to heating and is “cool brazed” at the factory.

CONTROLS: The Compressor Control Module (CCM) comes standard and provides a more reliable alternative to electro-mechanical systems. The full featured Versatec Microprocessor Control with expanded unit sensors is also available as an option. Either can be applied with unit or wall mounted thermostats. The optional FX10 Control adds N2, LON & BACnet compatibility along with unit or wall mounted sensors or wall mounted thermostat options (thermostat/sensors sold separately).

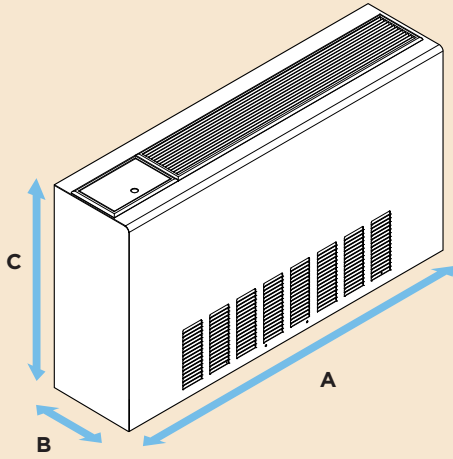
FAN MOTOR: 009-012 units come with a 2 speed PSC fan motor, while 015-018 units come with a high efficiency 3 speed ECM fan motor.

ELECTRICAL DISCONNECTS: Optional, field installed fused or non-fused electrical disconnect available. Fused sizes available in 10, 12, 15, 20 and 25 amp fuses.

ADDITIONAL OPTIONS:

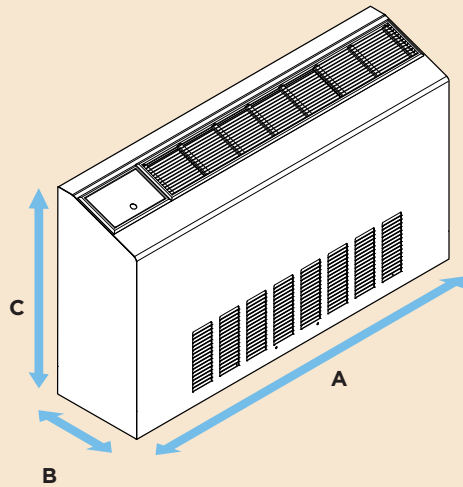
- EXTENDED RANGE COAXIAL HEAT EXCHANGER AND PIPING INSULATION
- CABINETS AVAILABLE IN FLAT OR SLOPE TOP WITH AN EXTENDED CABINET OPTION
- LEFT OR RIGHT CONTROLS
- STAINLESS STEEL CONDENSATE DRAIN PAN WITH INTERNALLY TRAPPED DRAIN LINE

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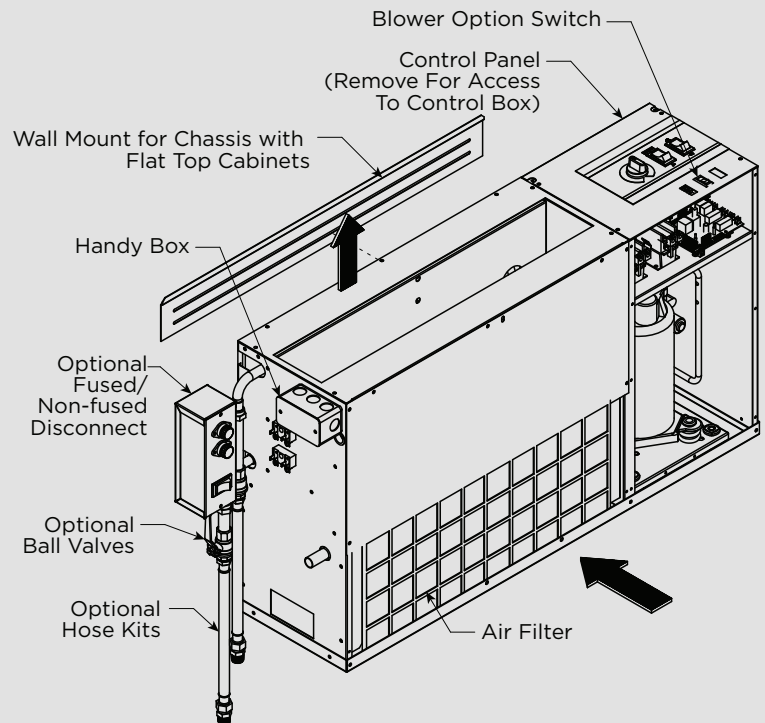
Flat Top

Model	A	B	C
009 - 012	45.0"	10.8"	22.5"
015 - 018	50.0"	12.8"	22.5"



Slope Top

Model	A	B	C
009 - 012	45.0"	10.8"	24.0"
015 - 018	50.0"	12.8"	24.0"



Inside the Low Sill Console

AHRI/ISO 13256-1 PERFORMANCE RATINGS

PSC/ECM Motors

AHRI/ASHRAE/ISO 13256-1

English (IP) Units

Model	Flow Rate		Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
			Cooling EWT 86°F		Heating EWT 68°F		Cooling EWT 59°F		Heating EWT 50°F		Cooling EWT 77°F		Heating EWT 32°F	
	gpm	cfm	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP
009	2.5	300	8,700	12.2	11,400	4.3	10,000	18.6	9,200	3.7	9,500	14.0	7,200	2.9
012	3.5	340	10,900	12.2	14,700	4.3	12,700	17.9	11,800	3.7	11,500	13.5	9,400	2.9
015	4.5	450	13,300	12.2	17,500	4.4	16,200	19.0	14,300	3.8	14,200	14.3	10,600	3.0
018	5.5	500	16,200	12.2	20,500	4.3	19,000	18.5	17,000	3.7	17,000	13.9	12,700	2.8

6/10/13

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
 All ratings based upon 208V operations.

Voltage Availability

Voltage	Low Sill Console			
	009	012	015	018
115/60/1	•	•		
208-230/60/1	•	•	•	•
265/60/1	•	•	•	•

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