



# Tranquility<sup>®</sup> Hybrid Vertical Stack

Models TSL09 - 36 60Hz - HFC - 410A

Taking advantage of application diversity, the Hybrid system combines the benefits of hydronic heating and water-cooled air conditioning into one product! Building owners can take advantage of high efficient central boilers to provide economical heating in cooler seasons. When cooling is needed the Hybrid functions as a high efficient water-cooled air conditioner out performing traditional hydronic cooling systems. During shoulder seasons Hybrid systems combine the benefits of both functions at high system efficiency to satisfy space occupants with their comfort needs.

## The TSL Hybrid Solution Offers:

### Standard Features:

- Hydronic Heating
- Water cooled air conditioning
- No reversing valve
- Reduced compressor cycling
- Ultra quiet hydronic heating operation
- Two internal motorized water valves
- Constant Torque (CT) ECM fan motor

### Configurable Options:

- Single 3-way motorized valve for continuous water flow operation
- Intelligent Constant Volume (CV) ECM fan motors
- Available in 65", 80", and 88" height cabinets
- Factory installed internal circulating pump for single pipe applications
- Internally mounted auto-flow regulators
- Industry leading Ultra-Quiet sound attenuation package

## Hydronic Heating Performance Data

Model ECM Motor	Hydronic Heating Entering Air 70°			
	CFM	EWT (°F)	GPM	Capacity Btuh
TSL09	400	105	2.25	10200
TSL12	500	105	3.00	12400
TSL15	700	105	3.75	17000
TSL18	800	105	4.50	19300
TSL24	950	105	6.00	25700
TSL30	1150	105	7.50	31100
TSL36	1350	105	9.00	36000

## Unit Size

Model	W*	D*	H**
09 - 12	in 17.0	20.0	88.0
15 - 18	in 19.3	22.0	88.0
24 - 36	in 24.3	27.0	88.0

\* Not including riser.

\*\* Optional 65" and 80" Cabinets.

## Cooling Performance Data

Tested to ASHRAE/AHRI/ISO 13256-1 English (I-P) Units

Model with ECM Motor	Water Loop Heat Pump – Cooling 86°F	
	Capacity Btuh	EER Btuh/W
TSL09	9300	14.8
TSL12	12000	15.4
TSL15	14600	16.3
TSL18	17100	15.1
TSL24	25000	16.4
TSL30	28500	16.1
TSL36	35000	15.0

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature. All units AHRI/ISO/ASHRAE 13256-1 tested on high speed motor TAP.

All ratings based upon operation at lower voltage of dual voltage rated models.



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