



Tranquility[®] Ducted Vertical Stack (TSL) Series

Models TSL09 - 36 60Hz - HFC - 410A

The Tranquility[®] Ducted Vertical Stack (TSL) Series offers an innovative, labor-saving solution for spaces where individual, quiet control of the heating and cooling system is important. Using EarthPure[®] (HFC-410A) refrigerant, the Tranquility Ducted Vertical Stack (TSL) Series not only protects the environment, it does so while delivering unprecedented comfort, efficiency, and reliability.

Advantages of the Vertical TSL Series:

Standard Features:

- All sizes 009 (3/4 ton) through 036 (3 tons) exceed ASHRAE 90.1 efficiencies
- Removable chassis allows staged installation and ease of maintenance
- Double isolation compressor mounting for quiet operation
- PSC fan motors
- Cabinet can slide over riser ball valve easily allowing riser stack to be completed first
- Communicating CXM2 controls for reduced start-up, commissioning, and service time
- Top supply air discharge for ducted applications
- Eight standard safeties

Configurable Options:

- Intelligent communicating DXM2.5 controls for maximized airflow control when paired with CV ECMs
- Industry leading Ultra-Quiet sound attenuation package
- Hybrid option offers choice for hydronic heating paired with water-cooled air conditioning
- Discharge air and return air dust cover protection
- Modulating motorized water valve for intelligent water flow control
- Internal 200 PSI load matching water pump for single pipe applications
- Riser options for sweat or crimped connections
- Choice of hinged or flush mounted return air panel
- ADA or remote-mounted controls available
- BACnet, Modbus and Johnson N2 compatibility options for DDC controls
- Choice of high efficiency Constant Volume (CV) or Constant Torque (CT) ECM fan motors
- Integrated power disconnect

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

Model with ECM Motor	Water Loop Heat Pump				Ground Loop Heat Pump			
	Cooling 30°C		Heating 20°C		Cooling 25°C		Heating 0°C	
	Capacity kW	EER W/W	Capacity kW	COP	Capacity kW	EER W/W	Capacity kW	COP
TSL09	2.73	4.3	3.67	5.6	2.96	4.9	2.11	3.4
TSL12	3.52	4.5	4.55	5.3	3.70	5.0	2.70	3.4
TSL15	4.28	4.8	5.54	5.4	4.52	5.6	3.23	3.7
TSL18	5.01	4.4	6.54	5.4	5.40	5.2	3.81	3.5
TSL24	7.33	4.8	8.94	5.3	7.77	5.7	5.43	3.6
TSL30	8.36	4.7	9.82	5.3	8.65	5.4	6.16	3.7
TSL36	10.26	4.4	11.88	5.0	10.56	4.9	7.48	3.5

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 operation at lower voltage of dual voltage rated models.

Unit Size

Model	W*	D*	H*	
09 - 12	in	17.0	17.0	65.0
15 - 18	in	19.3	19.0	65.0
24 - 36	in	24.3	24.0	65.0

NOTE: Please see TSL Hybrid Cut Sheet for hydronic heating option unit size, dimensions will vary from standard models.

* Not including riser.



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LC1038
Rev.: 1/24/23

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