



Tranquility[®] Large Belt Drive (TL) Series

Models TLV084 - 300 60Hz - HFC - 410A

The award-winning Tranquility[®] Large (TL) Series raises the bar for water-source heat pump efficiencies, features and application flexibility. Not only does the Tranquility[®] Large Series exceed ASHRAE 90.1 efficiencies, but it also uses EarthPure[®] (HFC-410A) zero ozone depletion refrigerant, making it an extremely environmentally-friendly option.

Advantages of the Large Belt Drive TL Series:

Standard Features:

- All sizes 084 (7 ton) through 300 (25 tons) exceed ASHRAE 90.1 efficiencies
- Communicating CXM2 controls for reduced start-up, commissioning, and service time
- Factory configured or field convertible,
 - Front or Back return air
 - Top, Front, or Back supply air
- Electrical box can be field converted to be on front or back of unit
- Electric power can enter from any side of unit
- Water and drain can be connected to either side
- Dual refrigeration circuits (TL168, 192, 240, 300)
- TXV metering device

Configurable Options:

- Extended range insulation for geothermal applications
- MPC controls for interfacing with BACnet, Modbus, and N2 building management systems
- ClimaDry[®] modulating condenser hot water reheat dehumidification
- Intelligent communicating DXM2 controls for maximized humidity control when paired with ClimaDry
- Factory installed internally mounted auto-flow regulators
- Factory installed internally mounted motorized water valves
- Industry leading UltraQuiet sound attenuation package

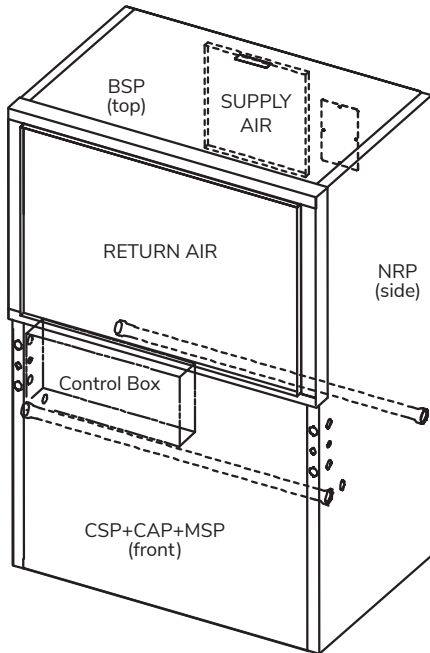
Tested To ASHRAE/AHRI/ISO 13256-1 English Units

Model	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
	Cooling 86°F		Heating 68°F		Cooling 59°F		Heating 50°F		Cooling 77°F		Heating 32°F	
	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP
TLV084	82,000	15.2	101,000	4.8	87,500	21.0	83,500	4.3	83,000	16.5	65,500	3.6
TLV096	94,000	15.0	118,000	4.7	102,500	20.5	96,500	4.2	97,500	16.5	76,500	3.6
TLV120	118,000	15.0	144,000	5.0	133,000	21.0	118,000	4.2	120,000	16.5	93,000	3.7
TLV150	150,000	14.0	186,000	4.7	170,000	20.0	155,000	4.2	156,000	15.8	122,000	3.6
TLV168	166,000	15.5	204,020	4.9	177,000	21.4	169,000	4.4	168,000	16.8	132,500	3.7
TLV192	190,000	15.3	238,360	4.8	207,000	20.9	195,000	4.3	197,000	16.8	155,000	3.7
TLV240	238,500	15.3	291,000	5.1	269,000	21.4	238,500	4.3	242,500	16.8	188,000	3.8
TLV300	300,000	14.0	372,000	4.7	340,000	20.0	310,000	4.2	312,000	15.8	244,000	3.6

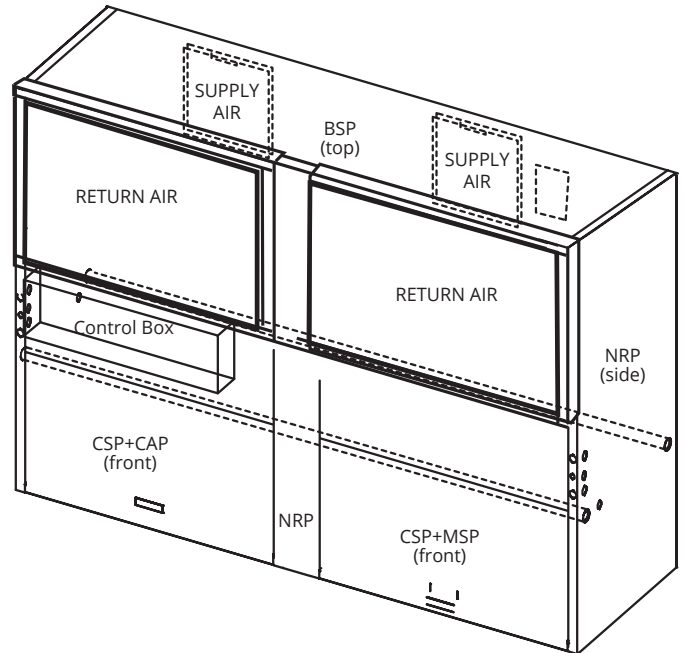
Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.
 Heating capacities based upon 68°F DB, 59°F WB entering air temperature.
 All ratings based upon operation at lower voltage of dual voltage rated models.

Unit Size

Vertical Model	Overall Cabinet			
	W	D	H	
084 -150	in.	53.1	34.0	79.0
168 -300	in.	106.7	34.0	79.0



Sizes 084-150 Front Return Rear Discharge



Sizes 168-300 Rear Front Return Rear Discharge

Legend:

CSP = Compressor Access Panel
 CAP = Controls Access Panel
 NRP = Non Removable Service Panel
 MSP = Motor Service Panel
 BSP = Blower Service Panel



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