



Odyssey™ Split Systems

Cooling, Heat Pump and Air Handling Units



Odyssey Split Systems are compact, flexible and easy on the budget.

Odyssey Split Systems are ideal for office buildings, hotels, schools, churches, municipal and industrial facilities. These air-cooled split systems are designed and tested to be flexible and dependable.



Trane provides greater application flexibility by allowing Odyssey units to be matched with alternate offerings within the Trane portfolio.

Outdoor Unit Compressor Options

Tons	6	7½	10	12½	15	20	25
Cooling							
Single	X	X	X				
Dual			X	X	X	X	
Manifolded			X		X	X	X
Heat Pump							
Single	X	X	X				
Dual					X	X	

Indoor Unit Options

Tons	5	7½	10	12½	15	20	25
Air Handler							
Single Circuit	X	X	X				
Dual Circuit	X	X	X	X	X	X	X

Odyssey: The next generation

Trane provides an unparalleled offering with its next generation Odyssey™ light commercial split systems line. Unlike typical split systems on the market, Odyssey offers easy servicing, built-in reliability, ease of installation and outstanding customer service.

- 8-12% increase in energy efficiency
- Safer for the environment
- Expanded system controls (ReliaTel™)
- Full rated capacity delivered at designed conditions

Flexible applications

Trane offers single, dual and manifolded compressor options, each with their own benefits. Single compressor outdoor units feature a single refrigeration circuitry, lowering job installation costs by requiring only one set of refrigerant lines.

Equally important, Odyssey offers single refrigerant circuit/capacity unloading models. The unloading units feature dual manifolded scroll compressors with two stages of capacity modulation and a single refrigeration circuit.

Dual compressor/dual circuit models give true stand-by protection - if one compressor fails, the second will automatically start-up. Also, the first compressor can be serviced without shutting down the unit since the refrigerant circuits are independent.

Dual compressor models also save on energy costs. During light load conditions, only one compressor will operate to save energy. On select



Odyssey Split Systems exceed the Trane reputation for quality and reliability. A wide range of models allows you to select a system that will meet your particular comfort and building needs.

air handlers, a factory installed variable frequency drive (VFD) is available. These 2 speed and Single Zone VAV (SZVAV) solutions combined with condensing units that have multiple compressors provide increased part load performance (IEER) when conditions are not at the max design condition. Additionally, some states have adopted codes that require this type of performance.

Easy to install

Odyssey units are built with installation in mind. With a smaller footprint, the outdoor unit takes up less space and weighs less, making its installation more efficient and economical. Our indoor air handlers are built to be installed in confined spaces, fitting through standard doorways and freight elevators.

Built-in reliability

Our split systems stand apart from other manufacturers in quality, reliability and total value. We run-test our systems at the factory

to ensure at installation they will function and operate as designed, giving you peace of mind.

Backed by our warranties,

Trane ensures your split system will function as needed, when needed - with no interruptions to comfort and your day-to-day business.

Easy to service

Designed for easy servicing, Odyssey units have standardized cabinets and components. Numbered and color-coded wiring may speed up service time.

Available when needed

Odyssey products are stocked in numerous warehouse locations to make it easy to ship a unit to you. Whether it's an emergency replacement for a unit that went down, a planned replacement or new construction, Odyssey will provide the right product, at the right place and at the right time.

Cooling Units (60 Hz)

Model		TTA073D, TWE090D	TTA090D, TWE090D	TTA120D/E/F, TWE120D/E	TTA150E, TWE150E	TTA180E/F, TWE180E	TTA240E/F, TWE240E	TTA300F, TWE300E	
Mode		Cooling	Cooling	Cooling	Cooling	Cooling	Cooling	Cooling	
Power Supply	V/Hz/Ph	208/240V, 460, 575V/60Hz/3Ph	208/240V, 460V, 575V/60Hz/3Ph	208/240V, 460V, 575V/60Hz/3Ph	208/240V, 460V, 575V/60Hz/3Ph	208/240V, 460V, 575V/60Hz/3Ph	208/240V, 460V, 575V/60Hz/3Ph	208/240V, 460V, 575V/60Hz/3Ph	
Capacity Range	MBh	77	94	124/122/123	154	185/186	263/254	307	
Rated Capacity	MBh	75	92	120/119/120	150	180/180	254/246	292	
EER / HSPF		11.2	11.2	11.2	11	11	10	10	
IEER		13	12.2	12.2	13.7	12.9/12.5	10.9/11.9	11	
Indoor	Dimension (H/W/D)	In	58.6" x 28.5" x 51"	58.6" x 28.5" x 51"	58.55" x 28.5" x 67"	73.7" x 31.25" x 83"	73.7" x 31.25" x 83"	76.53" x 33.75" x 95"	76.53" x 33.75" x 95"
	Net Weight	Lbs	232	323	393	676	675	818	899
	Filters	In	(3) 16 x 25 x 1	(3) 16 x 25 x 1	(4) 16 x 25 x 1	(8) 15 x 20 x 2	(8)15 x 20 x 2	(4) 16 x 25 x 2 (4) 16 x 20 x 2	(4) 16 x 25 x 2 (4) 16 x 20 x 2
Outdoor	Dimension (H/W/D)	In	43.54" x 43" x 36.5"	43.54" x 43" x 36.5"	43.49" x 53" x 40.5"	49.48" x 53.25" x 41"	49.48" x 94.75" x 47"	49.48" x 94.75" x 47"	55.48" x 94.75" x 47"
	Net Weight	Lbs	300	298	395/438/438	468	723/725	837/835	1037
	Refrigerant Field Charge	Lbs R-410A	15.7	17.6	22.5/24.8/21.2	30.7	39/37.6	43.8/41.3	62.5

Heat Pump Units (60 Hz)

Model		TWA073D, TWE090D		TWA090D, TWE090D		TWA120D, TWE120D		TWA180E, TWE180E		TWA240E, TWE240E	
Mode		Cooling	Heating (L/H)	Cooling	Heating (L/H)	Cooling	Heating (L/H)	Cooling	Heating (L/H)	Cooling	Heating (L/H)
Power Supply	V/Hz/Ph	208/240, 460, 575/60/3		208/240, 460, 575/60/3		208/240, 460, 575/60/3		208/240, 460, 575/60/3		208/240, 460, 575/60/3	
Capacity Range	MBh	80	40/69	93	49/82	123.8	75/105	185.6	109/174	255.1	134/236
Rated Capacity	MBh	78	-	90	-	120	-	180	-	246	-
EER / COP		11	3.3/2.3	11	3.3/2.3	11	3.3/2.2	10.6	3.2/2.3	10	3.2/2.0
Indoor	Dimension (H/W/D)	In	48 1/8 x 39 5/8 x 23 5/8	54 1/8 x 49 1/8 x 26 1/2	54 1/8 x 65 1/8 x 26 1/2	69 1/8 x 81 1/4 x 30	71 5/8 x 94 1/4 x 32 1/8				
	Net Weight	Lbs	232	323	393	675	818				
	Filters	In	(3) 16 x 25 x 1	(3) 16 x 25 x 1	(4) 16 x 25 x 1	(8)15 x 20 x 2	(4) 16 x 25 x 2 (4)16 x 20 x 2				
Outdoor	Dimension (H/W/D)	In	39 1/8 x 42 1/8 x 36	39 1/8 x 42 1/8 x 36	45 1/8 x 52 1/8 x 40	45 1/8 x 95 1/2 x 45 7/8	45 1/8 x 95 1/2 x 45 7/8				
	Net Weight	Lbs	328	340	438	765	848				
	Refrigerant Field Charge	Lbs R-410A	20.4	20.6	27.9	47.1	47				



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