



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, and municipal and industrial facilities. These air-cooled split systems are designed and tested to be flexible and dependable.

Outdoor Unit Compressor Options							
Tons	6	7½	10	12½	15	20	25
Cooling							
Single	X	X	X				
Dual	X	X	X	X	X	X	
Manifolded			X		X	X	X
Heat Pump							
Single	X	X	X				
Dual	X	X	X		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

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

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 to 12% increase in energy efficiency
- Safer for the environment
- Expanded system controls (ReliaTel®)
- Full-rated capacity delivered at designated 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 split systems offer 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 standby 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 air handlers, a factory-installed variable frequency drive (VFD) is available. These two-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.



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.

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		6 Tons		7.5 Tons		10 Tons		12.5 Tons		15 Tons		20 Tons		25 Tons		
		Single Compressor TTA0724*A*, TWE0904*A*	Dual Compressor TTA0724*D*, TWE0724*B*	Single Compressor TTA0904*A*, TWE0904*A*	Dual Compressor TTA0904*D*, TWE0904*B*	Single Compressor TTA1204*A*, TWE1204*A*	Dual Compressor TTA1204*D*, TWE1204*B*	Manifolded Compressor TTA1204*C*, TWE1204*B*	Dual Compressor TTA1504*D*, TWE1504*B*	Dual Compressor TTA1804*D*, TWE1804*B*	Manifolded Compressor TTA1804*C*, TWE1804*B*	Dual Compressor TTA2404*D*, TWE2404*B*	Manifolded Compressor TTA2404*C*, TWE2404*B*	Manifolded Compressor TTA3004*C*, TWE3004*B*		
Mode		Cooling														
Power Supply		V/Hz/Ph 208/240V, 460V, 575V/ 60Hz/3 Ph														
Gross Cooling Capacity - System		MBh	78	76	96	92	127	119	126	150	192	188	248	258	306	
AHRI Net Cooling Capacity		MBh	76	75	94	91	123	116	122	150	186	184	244	250	296	
EER			11.5	11.4	11.5	11.4	11.5	11.4	11.3	11.2	11.2	11.1	10.2	10.1	10.1	
IEER			13.1	12.9	13	12.9	13.1	12.9	13.3	12.4	12.4	12.8	11.6	12	12.0	
Indoor	Dimensions (H/W/D)	In.	58.6 x 28.5 x 51				58.55 x 28.5 x 67				73.7 x 31.25 x 83			76.53 x 33.75 x 95		
	Net Weight	Lbs.	323				393				676	675		818	899	
	Filters	In.	(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	Dimensions (H/W/D)	In.	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.	241	279	295	315	340	383	417	449	692		709	762	857	
	Refrigerant Field Charge	Lbs. R-410A	10	7.0/7.0	9.7	7.3/7.3	13.6	8.2/8.4	13.1	9.8/9.8	11.5/11.5	22.5	11.2/11.2	23.8	29.8	

Heat Pump Units (60 Hz)

Model		6 Tons		7.5 Tons		10 Tons		15 Tons		20 Tons								
		Single Comp TWA0724*A*, TWE0904*A*	Dual Comp TWA0724*D*, TWE0724*B*	Single Comp TWA0904*A*, TWE0904*A*	Dual Comp TWA0904*D*, TWE0904*B*	Single Comp TWA1204*A*, TWE1204*A*	Dual Comp TWA1204*D*, TWE1204*B*	Dual Comp TWA1804*D*, TWE1804*B*	Dual Comp TWA2404*D*, TWE2404*B*									
Mode		Cooling Heating																
Power Supply		V/Hz/Ph 208/240V, 460V, 575V/ 60Hz/3 Ph																
Capacity Range		MBh	82	72/46	78	64/38	88	79/50	96	82/51.5	127	120/76	120	112/71	194	178/117	258	238/148
Rated Capacity		MBh	80	—	77	—	86	—	93	—	123	—	118	—	188	—	248	—
EER/COP			11.3	3.3/2.25	11.2	3.3/2.25	11.3	3.3/2.25	11.2	3.3/2.25	11.3	3.3/2.25	11.2	3.3/2.25	10.8	3.2/2.05	10	3.2/2.05
IEER			12.4	—	12.2	—	12.4	—	12.2	—	12.4	—	12.2	—	11.6	—	10.6	—
Indoor	Dimensions (H/W/D)	In.	58.6 x 28.5 x 51				58.55 x 28.5 x 67				73.7 x 31.25 x 83		76.53 x 33.75 x 95					
	Net Weight	Lbs.	323				393				675		818					
	Filters	In.	(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	Dimensions (H/W/D)	In.	39.19 x 35.94 x 42.13	38.69 x 39.94 x 51.94	39.19 x 35.94 x 42.13	38.69 x 39.94 x 51.94	44.75 x 39.94 x 51.94				45.13 x 95.44 x 46							
	Net Weight	Lbs.	328	360	333	413	467		439		764		848					
	Refrigerant Field Charge	Lbs. R-410A	20.4	11.0/11.0	22.5	11.8/11.8	34.7		14.0/14.0		27.2/24.5		23.5/23.5					

Learn more at trane.com



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.com or tranetechnologies.com.

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