



TRANE®



ODYSSEY

Split System 5-20 Tons

Light Commercial

TTA/TTH R410A Series 50Hz

Odyssey R410A (Option)

Cool You, Cool The Earth

New design of industrial air conditioner with non-ozone depletion refrigerant R-410A to provide steady comfort with reliability and flexibility for all applications in split air conditioning system together with effort to cool down the earth and protect our environment



Maximum Efficiency

- Lower noise operation and higher efficiency with new generation scroll compressor.
- Single rotating assembly minimizes the friction and mechanical losses.

Quality and Reliability

- Scroll compressors are applied with excellent reliability and high efficiency.
- Unit is run tested prior to leaving the production line.
- Protect compressor damage from unstable electrical source or mis-phase connection with under / over voltage phase protection device.
- Power paint finish for TTH and TTA model.

Ease of Service

- Service shut-off valve
- Single side access on condenser.
- Multiple removable panels on AHU.
- Color and numbered wiring.

TTH Air Handling Unit

- TTH for horizontal air discharge
- Belt drive
- Thermal expansion device
- Fan motor hp output will be specially selected to properly match with Free Blow application

TTA Condensing Unit

- External current overload for compressor
- Under / over voltage and phase protector
- High & low pressure switch
- Refrigerant shut-off valve



Product Specifications

Models	Indoor unit		TTH060JD	TTH075JD	TTH100JD	TTH120JD	TTH160JD	TTH180JD	TTH210JD	TTH240JD	
	Outdoor unit		TTKB60KD	TTA075JD	TTA100JD	TTA120JD	2xTTA075JD	2xTTA100JD	2xTTA100JD	2xTTA120JD	
Electrical Data	Power Supply	V/ph/Hz	380-415/3/50								
Performance Data	Cooling Capacity	Btu/h	60,000	75,000	100,000	120,000	150,000	180,000	200,000	240,000	
	Nominal Airflow	CFM	2,000	2,500	3,400	4,000	5,300	6,000	7,000	8,000	
Indoor Units											
No. of Refrigerant Circuit			1	1	1	1	2	2	2	2	
Expansion Device	Type		Thermostatic Expansion Valve								
Fan	Type		Forward Curve Centrifugal Fan - Belt Drive								
	Qty		1	1	2	2	2	2	2	2	
Fan Motor*	Output	hp	0.75	1	2	2	2	3	3	5	
	RLA x Qty	A	1.61	1.99	3.66	3.66	3.66	5.16	5.16	8.80	
Filter	Type		1-Inch Thickness Washable Aluminium								
Dimensions	H x W x D	mm	520 x 1,406 x 916		520x1,771x916	620x1,774x916	798 x 2,059 x 1,260		850 x 2,366 x 1,319		
Weight		kg	87	92	136	141	180	189	214	240	
Refrigerant Pipe Size (per each circuit)	Liquid	in	3/8	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
	Suction	in	1-1/8	1-1/8	1-1/8	1-3/8	1-1/8	1-1/8	1-1/8	1-3/8	
Outdoor Units											
No. of Refrigerant Circuit	per each CDU		1	1	1	1	1	1	1	1	
Compressor	Type		Hermetic Scroll								
	RLA x Qty	A	9.8	17.9	17.9	21.4	2 x 17.9	2 x 17.9	2 x 17.9	2 x 21.4	
Fan Motor	RLA x Qty	A	0.88 x 2	1.5	1.5	1.5	2 x 1.5	2 x 1.5	2 x 1.5	2 x 1.5	
Dimensions (H x W x D)	per each CDU	mm	1,254 x 988 x 350		1,070 x 952 x 1,042		2 x (1,070 x 952 x 1,042)				
Weight	per each CDU	kg	95	164	180	192	2 x 164	2 x 180	2 x 180	2 x 192	
Piping Connection Type			Shut-off Valve : Braze Connection								
Refrigerant Pipe Size (per each CDU)	Liquid	in	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
	Suction	in	7/8	1-1/8	1-1/8	1-3/8	1-1/8	1-1/8	1-1/8	1-3/8	
Refrigerant			R-410A								

- Note:**
1. Capacity is rated at ARI conditions of 80°/67° FDB/FWB for Indoor & 95° FDB for Outdoor
 2. Outdoor unit dimensions depth does not include the dimensions of unit's legs.
 3. Fan motor hp output will be specially selected to properly match with Free Blow application.
 4. Design and specification are subject to change without notice.



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