



# ODYSSEY HIGH EFFICIENCY

*Split System Light Commercial*

*60,000 & 120,000 & 240,000 BTU/H*

*TTA/TTH/TWE R407C Series 50Hz*

TRANE  
TECHNOLOGIES



# Odyssey - Light Commercial

## Cool You, Cool the Earth

New design of industrial air conditioner with non-ozone depletion refrigerant R407C to provide steady comfort with reliability and flexibility for all applications in split air conditioning system together with the effort to cool down the earth and protect our environment.

## Maximum Efficiency

- Lower noise operation and higher efficiency with new generation high EER scroll compressor.
- Single rotating assembly minimizes the friction and mechanical losses.
- Newly developed model to achieve premium EER maximum at 12.52 Btu/h/W to help customer save electricity.



Phase Protector



Digital Thermostat (Option)



AHU Starter Panel/Smart Starter (Option)



TTH-FD Model

## TTH/TWE Air Handler Unit

- Powder paint finish
- Belt drive
- Full drain pan
- Thermal expansion valve

## Option

- Discharge plenum
- High static motor
- Trane digital thermostat
- Trane AHU starter panel



TTA060FD

## TTA Condensing Unit

- Powder paint finish
- External current overload for compressor
- Refrigerant shut-off valve
- High&low pressure switch

## Option

- Stainless casing / Blue fin / Copper fin / Corrosion protection coating
- Micro processor controller
- Wire guard



TTA120&240FD

## Quality and Reliability

- Scroll compressors are applied with excellent reliability and high efficiency.
- All units are 100% run tested prior to leaving the production line.
- Protect compressor damage from unstable electrical source or mis-phase connection with digital under/over voltage & phase protection device.



## Ease of Service

Reduction of service time and cost through

- Single side access on condenser
- Multiple removable panels on air handler
- Colored and numbered wiring
- Service shut-off valve

Models	Indoor unit		TTH060FD	TTH120FD	TWE240FD
	Outdoor unit		TTA060FD	TTA120FD	TTA240FD
Electrical Data	Power Supply	V/ph/Hz	380-415/3/50		
Performance Data	Cooling Capacity	Btu/h	62,100	128,700	240,000
	EER	Btu/h/W	12.51	12.52	11.86
	Nominal Airflow	CFM	2,000	4,000	8,000
<b>Indoor Units</b>					
Expansion Device	Type		Thermostatic Expansion Valve		
Fan	Type		Forward Curve Centrifugal Fan		
Fan Motor Output	Hp		0.75	2.0	5.5
	Qty x RLA	A	1.61	3.48	8.56
Drain	Connection Size	mm	25.4	25.4	25.4
	Type		Steel - MPT		Plastic - FPT
Dimensions	H x W x D	mm	520 x 1,406 x 916	798x2,059x1,260	1,751x2,210x702
Weight		kg	92	172	361
<b>Outdoor Units</b>					
Compressor	Type		Hermetic Scroll		
	Qty x RLA	A	7.40	16.00	2 x 16.00
Fan Motor	Qty x RLA	A	1.06	2 x 1.06	2 x 1.20
Dimensions	H x W x D	mm	1,070x1,042x953	1,050x2,200x1,050	
Weight		kg	164	382	462
Piping Connection Type			Shut-off Valve - Braze Connection		
Refrigerant Pipe Size	Liquid	in	1/2	1/2	1/2 *
	Suction	in	1-1/8	1-3/8	1-3/8 *
Refrigerant			R407C - Holding Charge		

- Note:**
1. Capacity is rated at ARI conditions of 80°/67°FDB/FWB for Indoor & 95°FDB for Outdoor
  2. Outdoor unit dimensions depth is not included the dimensions of unit's legs.
  3. Product design and specification are subject to change without notice.
  4. (\*) Refrigerant pipe size of TTA240FD is for dual circuit type.



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