



Light Commercial Unit

Next Generation Ducted Split Air Conditioning System



A new standard for the air conditioning industry



With its next generation Air Conditioner, Trane sets a new standard for Sustainability, Efficiency & Reliability. Designed to provide cooling applications in residential villas, schools, auditoriums, retail stores and small office buildings, the Light Commercial Unit (LCU) offers the following array of features:

- Safer for the environment (Green R410A Refrigerant)
- Reliable Scroll Compressor
- 10-15% more energy efficient than traditional market offering
- Best-in-Class Airflow
- High Ambient Operation (up to 52 deg C)
- Built-in-Reliability as per Trane global standards
- Layout flexibility (upto 45m)
- Expanded System Controls (Trane propriety ReliaTel™ Controls)



Every Trane® Thermostat comes packed with high-quality components to ensure your LCU will provide you total comfort and reliability.



Designed for You

Trane consulted its customers during the split system design phase to bring a product to the market place which would meet job needs every time.

Built-in reliability

Our split systems stand apart from other manufacturers in quality, reliability and total value. All units are 100 percent run-tested prior to leaving the production line.

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 install

Trane LCU is built with installation in mind. With a smaller footprint, the outdoor unit takes up less space, making its installation more efficient and economical. Our indoor air handlers are built to be installed in confined spaces and false ceilings.

Easy to service

Designed for easy servicing, Trane LCU has standardized cabinets and components. Numbered and color-coded wiring may speed up service time.



Available when needed

Our 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, we provide the right product, at the right place and at the right time.

Control Options

The units come fitted with standard electromechanical controls with Advanced Digital Thermostat, for:

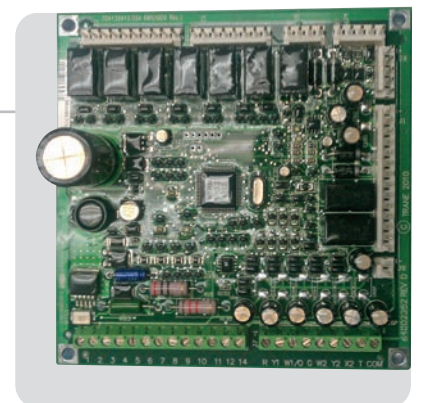
- Built-in Safety
- Overload Protection for Compressor
- Protection from Phase failure, Phase reversal and Phase loss
- Anti-short cycle protection for compressor

Advanced ReliaTel™ Controls

Trane's second-generation of ReliaTel™ microprocessor controls provide unit control for superior comfort, unmatched reliability and much greater flexibility than conventional systems.

Some of its key features include:

- Energy Efficiency – Optimized and built-in logic controls using indoor and outdoor temperature for efficient cooling and minimum run time
- Reliability - Better Oil Return Algorithm and improved compressor reliability
- Expanded Diagnostics Capabilities & Intelligent Fallback Option
- Part load Operations & Run Time Equalization - Dual compressor control (Lead/Lag control)
- BMS Controls - Modbus™ / Lontalk® Communication Module Options
- Multi-Zone Cooling – Compatibility to Trane Zone Sensors (both wired and wireless; programmable and non-programmable)
- Reduced installation time



LIGHT COMMERCIAL UNIT (DUCTED SPLIT AIR CONDITIONERS)

CAPACITY RANGE		TR	5.5 TR	9 TR	11 TR	11 TR	17 TR*	22 TR*	
NOMINAL COOLING CAPACITY		KCal/Hr	16600	27000	33000	33000	51000	66000	
		BTU / Hr	66000	108000	132000	132000	204000	264000	
REFRIGERANT		R410A							
INDOOR UNIT	Model		TTH066AB00IA	TTH108AB00IA	TTH132AB00IA	TTH132TB00IA	TTH204TD00IA	TTH264TD00IA	
	NOMINAL AIRFLOW	CFM	2200	3600	4400	4400	6800	8800	
		CMH	3730	6100	7480	7480	11560	14960	
	V/Hz/Ph		230VAC/50Hz/1Ph				415VAC/50Hz/3Ph		
	FAN	TYPE		Direct Driven, DIDW Centrifugal fan				Belt Driven, DIDW Centrifugal fan	
		QTY		2	2	2	2	2	2
	FAN MOTOR	TYPE		1 Phase - Induction Motor				3 Phase - Induction Motor	
DIMENSIONS (W/D/H)	mm		1480 x 645 x 425	1685 x 650 x 500	1975 x 645 x 480	1975 x 645 x 480	2215 x 1215 x 590	2215 x 1750 x 760	
NET WEIGHT	Kg		80	105	125	125	230	260	
OUTDOOR UNIT	Model		TTK066AD00IA	TTK108AD00IA	TTK132AD00IA	TTK066AD00IA	TTK108AD00IA	TTK132AD00IA	
	NUMBER OF UNIT'S	NO.s	1	1	1	2	2	2	
	V/Hz/Ph		415VAC/50Hz/3Ph						
	COMPRESSOR	TYPE		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
		QTY		1	1	1	1 Each	1 Each	1 Each
	FAN	TYPE		Propeller					
		QTY		1	1	1	1 Each	1 Each	1 Each
	FAN MOTOR	TYPE		1 Phase - Induction Motor		3 Phase - Induction Motor	1 Phase - Induction Motor		
DIMENSIONS (W/D/H)	mm		1105 x 455 x 920	1270 x 580 x 1025	1280 x 625 x 1025	1105 x 455 x 920	1270 x 580 x 1025	1280 x 625 x 1025	
NET WEIGHT	Kg		100	145	165	100 (2)	145 (2)	165 (2)	
CONTROLLER	Advanced Digital Thermostat / Microprocessor based Advanced ReliaTel™ Controls*								

* Product is under development. Specifications are for reference.



Trane Light Commercial Unit has been recognized with the 'Acrex Award of Excellence' in the Green Product category at Acrex India 2014.



Ingersoll Rand (NYSE:IR) advances the quality of life by creating and sustaining safe, comfortable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Schlage®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; secure homes and commercial properties; and increase industrial productivity and efficiency. We are a \$14 billion global business committed to a world of sustainable progress and enduring results.

Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.
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