



PRIMER

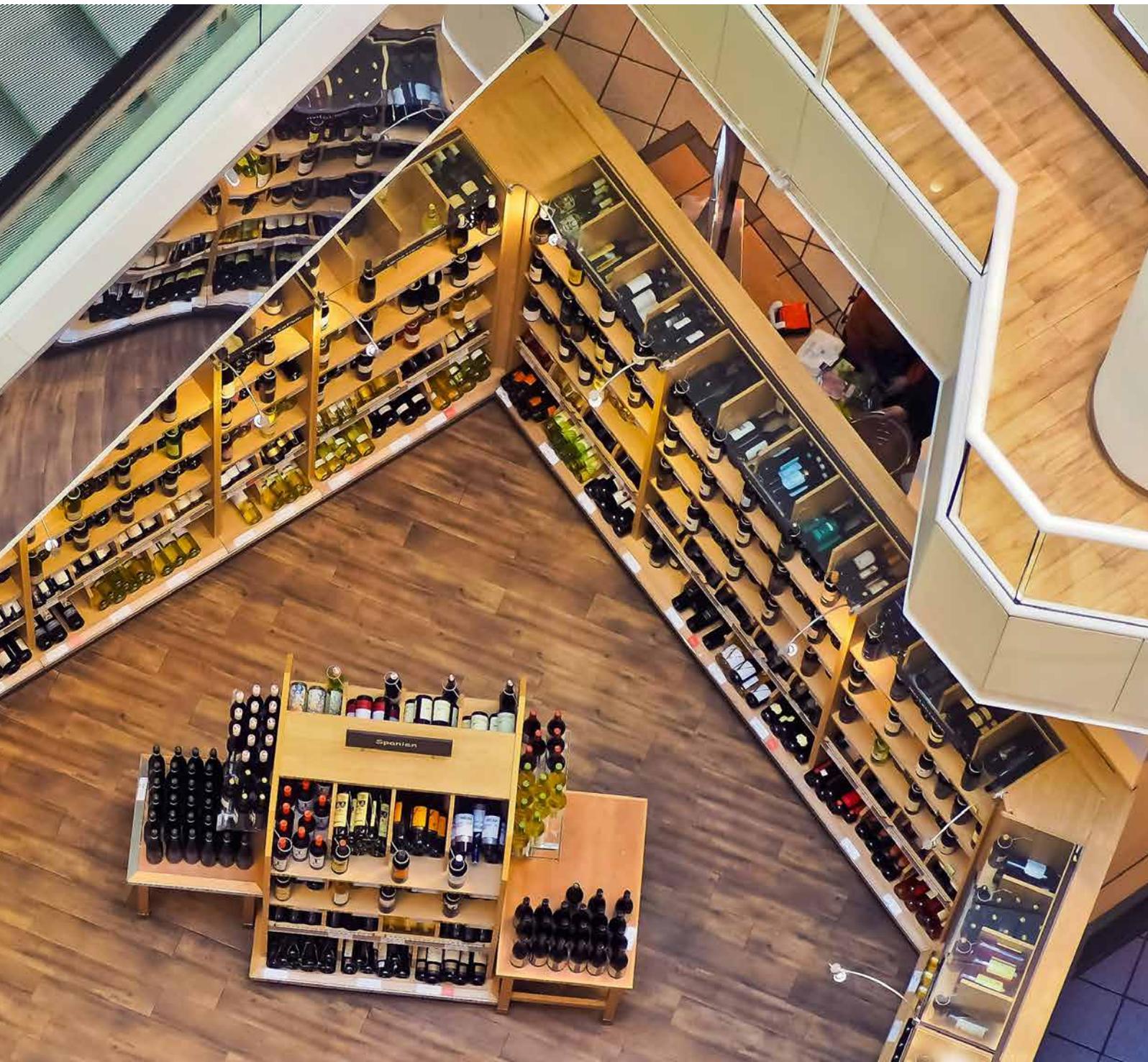
Inverter

HIGH EFFICIENCY INVERTER

Split System 5-10 Tons DC Motor AHU

Light Commercial

TYH/TYK/TYA R32/R410A Series 50Hz

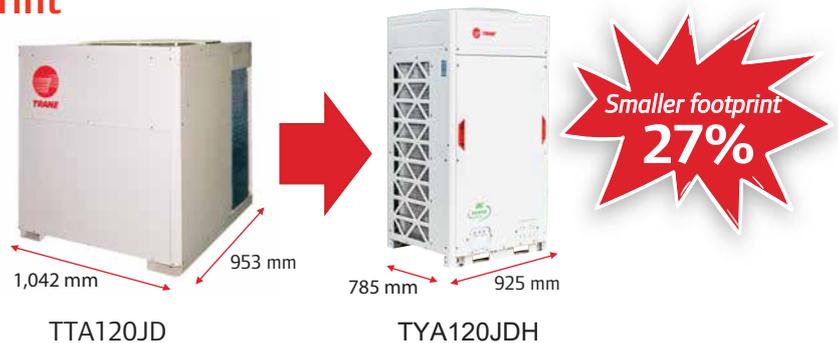


High Energy Efficiency System

The introduction of a high efficiency DC Inverter compressor driven by the most advanced control technology is designed to provide more precise operation and improved system efficiency to reach maximum SEER 20 (averagely improved 70% from Fixed speed type). The compressor speed is adapted to match the fluctuating cooling load of the buildings while ensuring the appropriate variable supply of cooling.

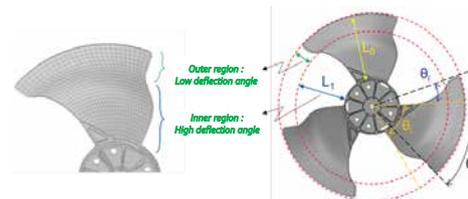
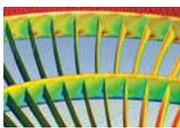
Space Saving with Smaller Footprint

Trane PRIMER Inverter is designed for smaller condensing unit dimensions to save the installation space at maximum of 27% from current product.



Low Operation Sound Noise

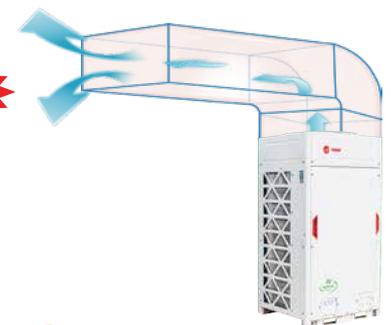
Trane PRIMER Inverter optimally designed fan shape, new designed discharge air grille and air deflector together supply higher air volume and lower operation sound.



External Static Pressure of Outdoor Units Up to 40Pa

DC fan motor can enhance External Static Pressure of the outdoor fan. Be adjustable up to maximum 40 Pa which can apply discharge duct for hot air to avoid obstruction in front of the outdoor unit.

40Pa

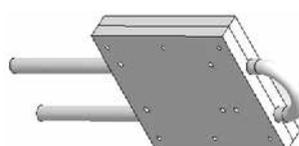


High Reliability with New Refrigerant Cooled PCB Technology

New full package for top discharge and Micro Channel Radiator for side discharge design to enhance heat transfer area and decrease temperature by 15 °C.



Old : Crimping



New for Top : Full Package

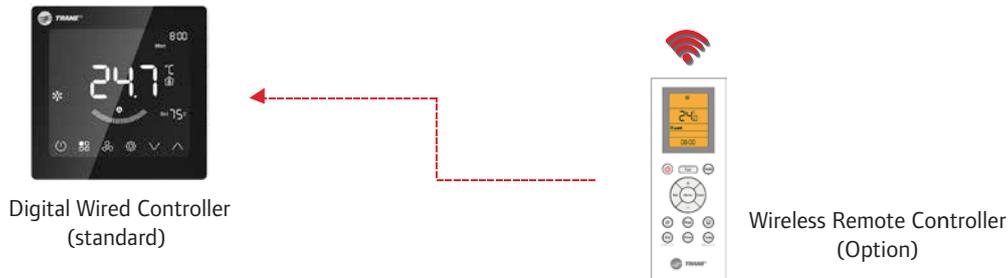


New for Side : Micro Channel Radiator

Easy service and maintenance

- Self - Diagnostic system shows error codes on digital wired display for the causes of malfunction which help reduce service time.

Unit Controller



- Digital wired display with CLD screen newly designed for easier control.
- Temperature setting from 16 - 30 °C with temperature adjustable of 0.5 °C.
- Setting temperature can be display in degree Celsius or Farenheit unit.
- 3 fan speeds can be selected for suitable airflow need.
- Daily on/off programmable timer as actual clock time.
- Weekly programmable timer is also available to better suit for vareity uses.
- Temperature sensor can be selected either at coil or at wire display to properly control room temperature.

TYH Air Handling Unit

- For horizontal air discharge.
- Powder paint finished casing.
- Direct drive with DC motor.
- Electronic Expansion Valve for precise refrigerant control.
- Factory installed PCB and wired display controller.
- Suitable for free blow application.
- Discharge plenum is available as option for free blow application.



TYH060QBH



TYH120NBH



TYKF60TDH



TYA120JDH

TYK/TYA Condensing Unit

- Powder paint finished casing.
- External current overload for compressor, , phase protection, Hi/Low pressure cut-off, temperature protection. (Missing phase/Phase loss/Under and Over voltage protection).
- Auto-restart function.
- Fully charged refrigerant with shut-off valve.

Product Specifications

Model	Indoor Unit		TYH060QBH	TYH120NBH
	Outdoor Unit		TYKF60TDH	TYA120JDH
Performance Data	Nominal Capacity (Min-Max)	Btu/h	60,000 30,000 - 65,000	120,000 50,000 - 126,000
	SEER	Btu/h/W	20	20
	Nominal Airflow	CFM	2,000	4,000
System Data	Refrigerant Type		R-32 (Fully Charged)	R-410A (Fully Charged)
	No. of Refrigerant Circuit		1	1
	Refrigerant Connection Type		Braze	Braze
	Suction Line OD	in	3/4	1-1/8
	LiquidLine OD	in	3/8	1/2
	Drain Connection Size	in (mm)	1 (25.4)	1 (25.4)
	Drain Connection Type		Steel Pipe (MPT)	
Indoor Unit				
Electrical Data	Power Supply	V/Ph/Hz	220-240/1/50	
Flow Control	Type		Electronic Expansion Valve	
Fan	Fan Type		DWDI Centrifugal Fan with Forward Curved Wheel	
	Qty		2	3
	Drive Type		Direct Drive	
Fan Motor	Type		DC Motor	
	Output (ea)	W	560	560
	RLA x Qty	A	2.5	2.5 x 3
Air Filter	Type		1-in Washable Aluminium Filter	
Dimensions	Unit (Net)	mm	430 x 1,454 x 795	800 x 2,060 x 1,210
Weight	Unit (Net)	kg	72	180
Outdoor Unit				
Electrical Data	Power Supply	V/Ph/Hz	380-415/3/50	
Compressor	Type		Twin Rotary DC Inverter	
	RLA x Qty		6.8	20.5
Fan	Type		Propeller	
	Hot Air Discharge Direction		Horizontal (Front)	Vertical (Top)
	Qty		2	1
Fan Motor	Type		DC Motor	
	Output (ea)	W	200	750
	RLA x Qty	A	2.2 x 2	3.5
Dimensions	Unit (Net)	mm	1,430 x 940 x 340	1,720 x 925 x 785
Weight	Unit (Net)	kg	110	220

- Note:
- Capacity is rated at ARI conditions of 80 °FDB /67 °FWB for Indoor & 95 ° FDB for Outdoor.
 - Outdoor unit dimensions depth is not included the dimensions of unit's legs.
 - Indoor unit dimensions depth is not included supply plenum.
 - Product design and specification are subject to change without notice.



Insu (ประเทศไทย)

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