

 MCW + TTD, TTQ

 MWW + TWD

  1.5 - 2 T.R.



The best minisplits configuration for equipping several small rooms.

The indoor units are compact, silent and aesthetically pleasing.

Possibility of adjusting the temperature room by room using command electronics that are adapted for the comfort of each user.

Small size, rapid installation.

A particularly economical solution in comparison to classic systems.



MCW/MWW
509 - 512 L/P

FOR WHOM? FOR WHAT?

A good solution for individuals or professionals wishing to equip 2 rooms for similar purposes.

For cooling only or reversible air-conditioning configured for 2 rooms.



TTD/TWD

TRANE'S ADVICE

Need for temperature coherence between the different rooms. No more than 5°C gap.

NEW! for 60Hz 4:1 combination TTQ 530 with 4 MCW 507L

RESIDENTIAL RANGE

Main features :

MCW/MWW indoor units

- 3 speed tangential fan motor.
- Aluminium fin heat exchanger with copper tubes.
- Washable air filters.
- Wall mounting.

Bisplit TTD/TWD outdoor units

- R 22 and R 407C Refrigerant Charge. (50Hz only)
- Axial Fan Motor.
- 2 Separate circuits with rotary hermetic compressors.
- Aluminium fin Coil with copper tubes.
- Integrated Condensate Tray.
- Condenser Coil and fan protection Grille.

Control :

Microprocessor and 230 V control with:

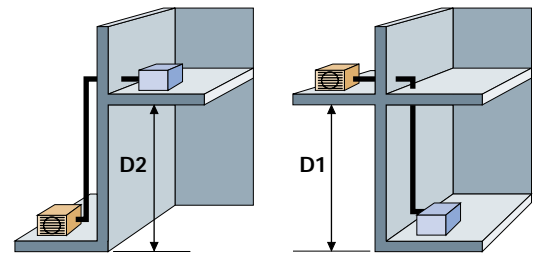
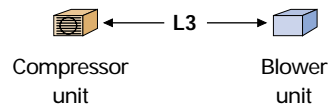
- Automatic control of the room temperature.
- Anti-frost protection of the evaporator coil.
- Compressor anti-recycle timer.
- Compressor discharge temperature protection.
- De-frosting by cycle reversal (heating mode).
- Operation is possible without remote control.





Infrared remote control with :

- Liquid crystal display.
- Selection of heating, cooling, heating/cooling and fan only.
- Selection of 3 fan speeds or automatic ventilation.
- Automatic sweeping of indoor air.
- Economy mode.
- Delayed start/stop.
- Recovery power failure.
- Dehumidification function.

Cooling line connections

Maximum line lengths



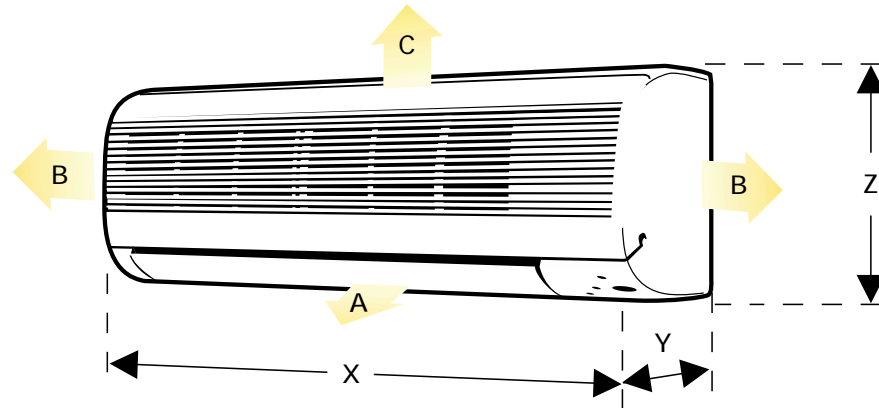
	Outdoor unit	Max. level difference (m)			Line diameters (inches)	
		Max. Length (m)	L3	D2	D1	Gas
	TTD 514 B	10	5	5	3/8	1/4
	TTD 518 B	10	5	5	1/2	1/4
	TTD 524 B	10	5	5	1/2	1/4
	TWD 514 B	10	5	5	3/8	1/4
	TWD 518 B	10	5	5	1/2	1/4
	TWD 524 B	10	5	5	1/2	1/4
	TTD 514 CB (50Hz)	10	5	5	3/8	1/4
	TTD 518 CB (50Hz)	10	5	5	1/2	1/4
	TTD 524 CB (50Hz)	10	5	5	1/2	1/4
	TWD 514 CB (50Hz)	10	5	5	3/8	1/4
	TWD 518 CB (50Hz)	10	5	5	1/2	1/4
	TWD 524 CB (50Hz)	10	5	5	1/2	1/4

Operating limits :

	Cooling mode	Heating mode
Min. outdoor air temperature	+ 16°C	- 7°C
Max. outdoor air temperature	+ 43°C	+ 30°C

Dimensions (mm) and weight (kg)

MCW/MWW indoor units

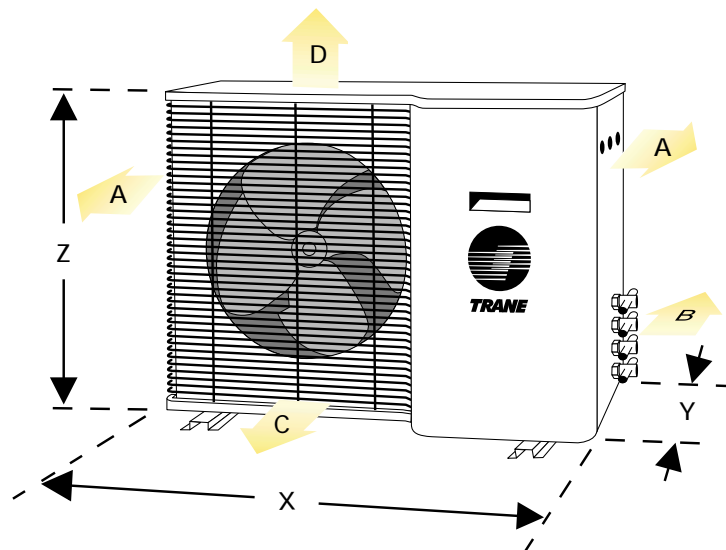


- Cooling line connections : to the left of the unit, opposite the air discharge. Possibly to the right, or at the back.
- Electrical connections : to the right of the unit, opposite the air discharge.

MCW/MWW	Dimensions (mm)			Clearance (mm)			Net weight (kg)
	X	Y	Z	A	B	C	
507 - 509 - 512 L/PB	770	180	250	500	70	40	8.5

TTD/TWD outdoor units

TTQ



Cooling line and electrical connections :
to the right of the unit, opposite the air discharge.

TTD/TWD	Dimensions (mm)			Clearance (mm)			
	X	Y	Z	A	B	C	D
514 - 518 - 528 BB	950	410	700	600	600	600	600
518 B1	✓	✓	✓	✓	✓	✓	✓
TTQ 530 B1	950	410	840	600	600	600	600



Cooling only bi-split system

Indoor units		2 x MCW 507 LB	2 x MCW 507 PB	2 x MCW 509 LB	2 x MCW 509 PB	2 x MCW 512 LB	2 x MCW 512 PB
Outdoor unit		TTD 514 BB	TTD 514 CB	TTD 518 BB	TTD 518 CB	TTD 524 BB	TTD 524 CB
Refrigerant	Type	R 22	R 407 C	R 22	R 407 C	R 22	R 407 C
Cooling capacity (1)	(kW)	2 x 2.0	2 x 2.0	2 x 2.5	2 x 2.5	2 x 3.2	2 x 3.2
Cooling mode power input (1)	(kW)	2 x 0.71	2 x 0.8	2 x 1.0	2 x 1.0	2 x 1.3	2 x 1.3
Total current	(A)	2 x 3.27	2 x 3.8	2 x 4.8	2 x 4.8	2 x 6.4	2 x 6.4
Air flow	indoor units (3) (m ³ /h)	400	400	450	450	480	480
Expansion system (3)	(Unit/Type)	Capillary in TTD					
Sound power	indoor unit (3) (4) (dB(A))	≤ 44	≤ 44	≤ 44	≤ 44	≤ 48	≤ 48
	outdoor unit (dB(A))	-	-	-	-	-	-
Sound pressure level	indoor unit (3) (4) (dB(A))	≤ 36	≤ 36	≤ 36	≤ 36	≤ 40	≤ 40
	outdoor unit (5) (dB(A))	-	-	-	-	-	-



Reversible bi-split system

Indoor units		2 x MWW 507 LB	2 x MWW 507 PB	2 x MWW 509 LB	2 x MWW 509 PB	2 x MWW 512 LB	2 x MWW 512 PB
Outdoor unit		TWD 514 BB	TWD 514 CB	TWD 518 BB	TWD 518 CB	TWD 524 BB	TWD 524 CB
Refrigerant	Type	R 22	R 407 C	R 22	R 407 C	R 22	R 407 C
Cooling capacity (1)	(kW)	2 x 2.0	2 x 2.0	2 x 2.5	2 x 2.5	2 x 3.2	2 x 3.2
Cooling mode power input (1)	(kW)	2 x 0.71	2 x 0.8	2 x 0.94	2 x 1.0	2 x 1.23	2 x 1.33
Heating capacity (2)	(kW)	2 x 2.4	2 x 2.4	2 x 3.1	2 x 2.8	2 x 3.8	2 x 3.8
Heating mode power input (2)	(kW)	2 x 0.81	2 x 0.86	2 x 1.05	2 x 1.0	2 x 1.48	2 x 1.46
Coefficient of performance (2)		2.8	2.8	2.8	2.8	2.6	2.6
Total current	(A)	2 x 3.42	2 x 3.8	2 x 4.8	2 x 4.8	2 x 6.4	2 x 6.8
Air flow	indoor units (3) (m ³ /h)	400	400	450	450	480	480
Expansion system (3)	(Unit/Type)	Capillary in TWD					
Sound power	indoor unit (3) (4) (dB(A))	≤ 44	≤ 44	≤ 44	≤ 44	≤ 48	≤ 48
Sound pressure level	indoor unit (3) (4) (dB(A))	≤ 36	≤ 36	≤ 36	≤ 36	≤ 40	≤ 40

(1) Cooling mode : air inlet temp. : 27°C DB / 19°C WB ; outdoor temperature : 35°C.

(2) Heating mode : air inlet temp. 20°C ; outdoor temperature : 7°C DB / 6°C WB.

(3) Maximum Air flow.

(4) Measurements taken in a furnished room appropriate to the unit's capacity.

(5) Sound pressure level 4 m from the unit in a free field.



Cooling only quadra-split system (60 Hz only)

Indoor unit		4 x MCW 507 LB
Refrigerant	Type	R 22
Cooling capacity (1)	(kW)	4 x 2.5
Cooling mode power input (1)	(kW)	2 x 1.250
Total current	(A)	2 x 6.45
Air flow	indoor units (3) (m ³ /h)	400
Expansion system (3)	(Unit/Type)	Capillary in TTQ
Sound power	indoor unit (3) (4) (dB(A))	≤ 44
Sound pressure level	indoor unit (3) (4) (dB(A))	≤ 36



TTD + TTT

R22

1.5 - 3 TR

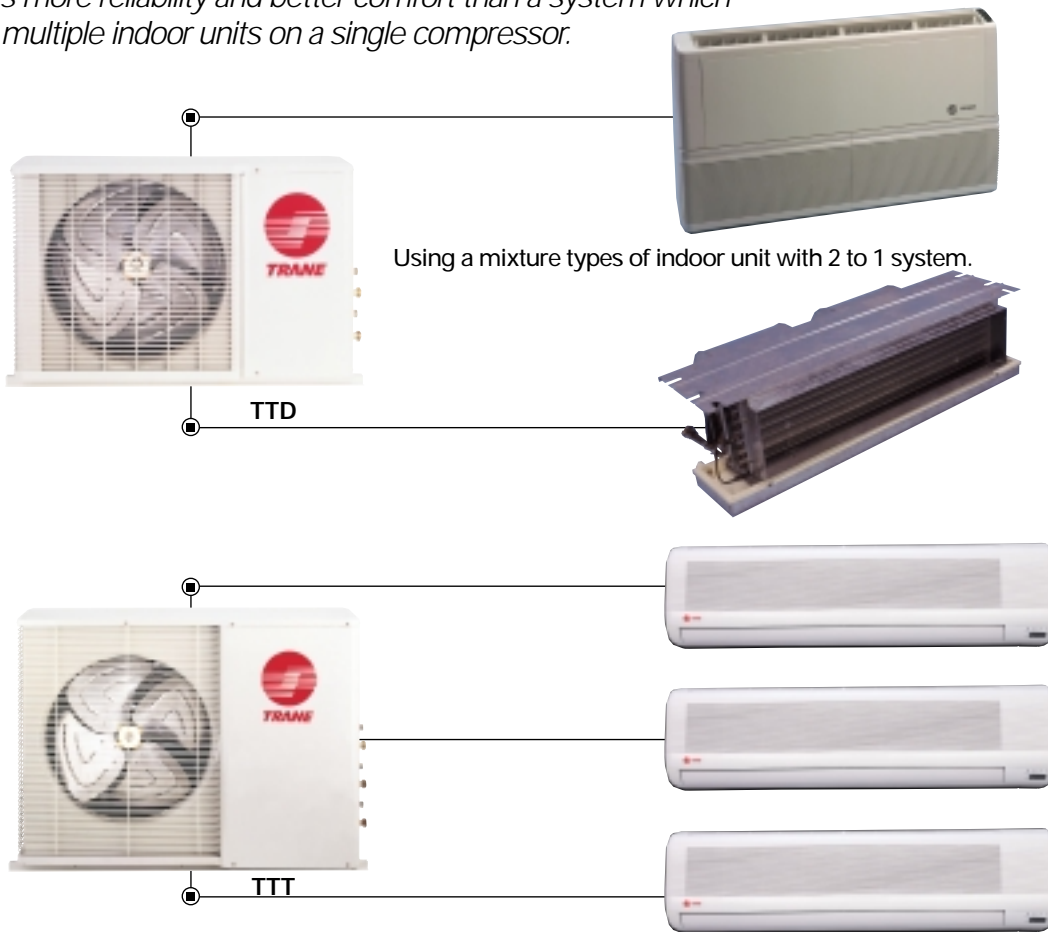


Multi-Split System Condensing Unit 18-36 MBh TTD+TTT Series 50/60 Hz

Flexibility - Trane multi-split system is an efficient, economical way to provide comfort in two rooms simultaneously with a 2 to 1 system (TTD) or up to three rooms simultaneously with a 3 to 1 system (TTT). It is possible to choose between combination of indoor unit either Hi-wall, Convertible or Concealed to suit your space and decor requirements.

Space Saving - Multi indoor unit with a single outdoor unit giving more usable outdoor space for more important things and better appearance.

Independent Circuits - Each of the independent compressors will operate with separate indoor unit as its own system. It offers more reliability and better comfort than a system which gangs multiple indoor units on a single compressor.



Using a mixture types of indoor unit with 2 to 1 system.

Using a mixture types of indoor unit with 3 to 1 system.

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Specification 50 Hz

TTT/TTD Multi-Split Condensing Unit with Stylus, Illusion and Contura 3G Indoor Unit

Table with columns for Outdoor Model, Indoor Unit #1-3, Power Conn, MCA, Nom. Capacity, Electrical Data (Outdoor/Indoor), Dimensions, and Weight. Rows include various model configurations and their specifications.

1 At ARI system rating conditions of 80° F-DB/67° F-WB indoor & 95° F-DB outdoor.
2 MCA - Minimum Circuit Ampacity: calculated as follows: 125% of compressor R.L. Amps plus the condenser fan motor R.L. Amps.
3 Rated for 25 feet (7.5 meters) of evacuated refrigerant piping.
4 When run three systems together the total amps will be lower than summation of amps of individual system due to sharing one CDU fan.

Specification 60 Hz

TTT/TTD Multi-Split Condensing Unit with Stylus, Illusion and Contura 3G Indoor Unit

Table with columns for Outdoor Model, Indoor Unit #1-3, Power Conn, MCA, Nom. Capacity, Electrical Data (Outdoor/Indoor), Dimensions, and Weight. Rows include various model configurations and their specifications.

1 At ARI system rating conditions of 80° F-DB/67° F-WB indoor & 95° F-DB outdoor.
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3 Rated for 25 feet (7.5 meters) of evacuated refrigerant piping.
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