

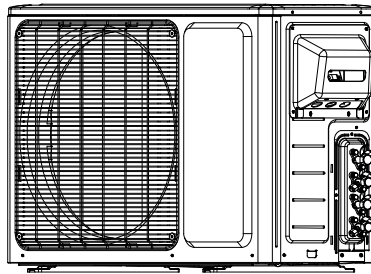


# Product Data

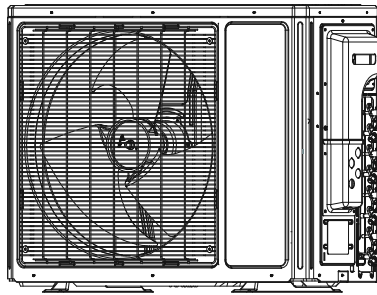
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**Split System (R-410A)  
Multi Split, Inverter System  
18,000 to 42,000 BTU/Hr**

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4TXM6518A1020BA



4TXM6524A1030BA, 4TXM6530A1040BA  
4TXM6536A1040BA, 4TXM6542A1050BA

**Multi Split**  
Heat Pump

**Outdoor Unit**  
4TXM6518A1  
4TXM6524A1  
4TXM6530A1  
4TXM6536A1  
4TXM6542A1

# It's Hard to Stop a Trane.

## **Split System (R-410A) - Multi Split, Inverter System 18,000 to 42,000 BTU/Hr**

You can connect up to five indoor units to just one outdoor unit from Trane to provide exactly the degree of comfort you require. Because there are no ducts, indoor units can be installed in a room at the front of your home while connected to an outdoor unit located inconspicuously at the rear or side.

Space-saving low profile indoor units can be wall, floor or ceiling mounted, providing great flexibility in interior design or space utilization and a customized comfort solution.

Multi-split systems allow the most flexibility when customizing a comfort system for your home and can provide the benefits of a zoning system without the costly additions of zoning hardware. Up to five indoor units with separate temperature zones can be connected to one outdoor unit, improving comfort and saving energy. Multi-split heat pumps are an affordable and energy efficient way to control the climate of individual rooms. No energy loss due to air leakage in ductwork from heating or cooling the entire duct system before the air reaches desired rooms. No expensive ductwork required. The multi-split system adjusts to your needs, providing constant comfort and energy savings.

## **Introducing the new TRANE Split System Family**

### **Energy Efficiency**

Quickly reach the desired temperature without sacrificing your electricity bills with our higher EER/COP levels.

### **Robust Grill**

Prevent damage without impacting airflow with our strong, hot-dip galvanized steel grill.

### **Intelligent Defrost**

Auto defrosting is implemented if necessary. It improves the system's heating efficiency and helps you save power. (Standard on all heat pump models.)

### **Blue Fin**

Increase durability and ensure continued efficiency with our special anti-corrosion coil treatment. (Standard on all heat pump models.)

### **Twin Rotary**

### **DC Compressor**

Provides better balance and higher efficiency.

### **Compressor Protection**

Compressor stops or delays operation when there is mode conflict.



**4TXM6 Multi-Split Outdoor Units  
(2-5 Port matched with multiple indoor units)**

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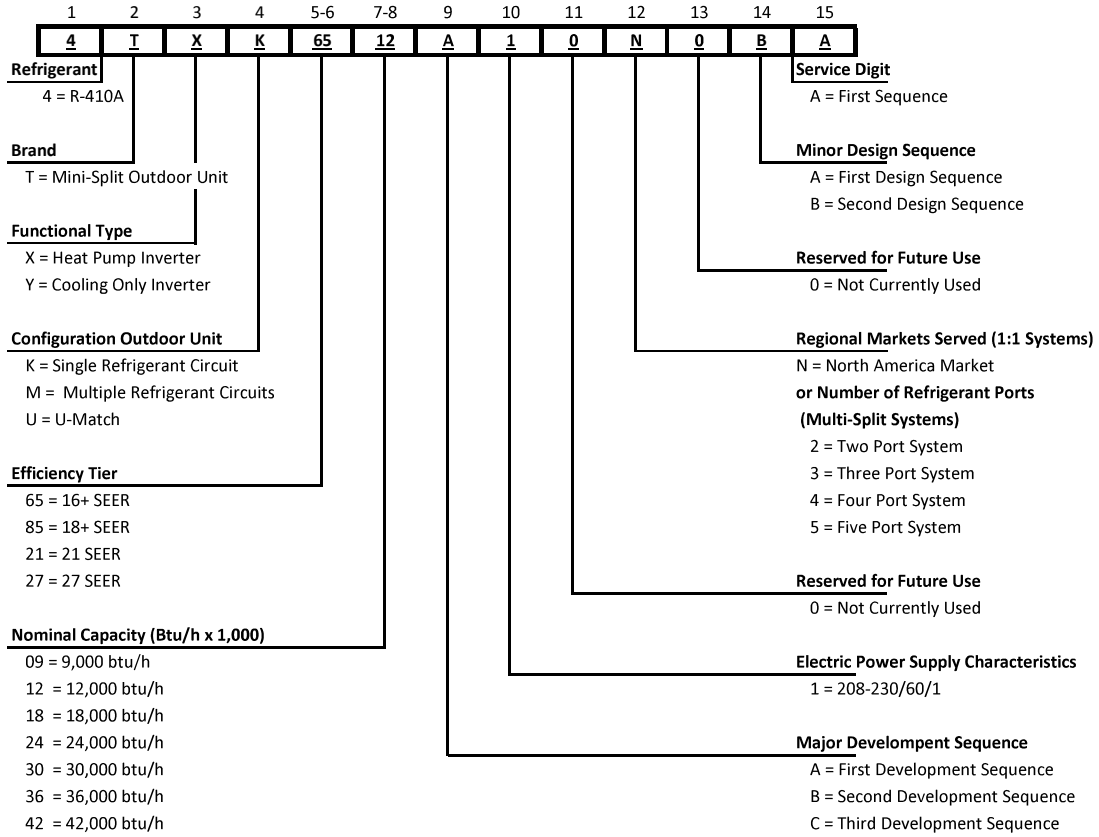
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## OUTDOOR UNIT MODEL NOMENCLATURE



# Optional Equipment

See the Service First Mini-Split Accessory Catalog for the complete accessory list.

## Optional outdoor unit accessories

Model Number	Description	4TXM65 Multi-split 16-22 SEER
TAYREFLN050 .....	Lineset Kit 1/4x3/8 - 25' .....	✓
TAYREFLN055 .....	Lineset Kit 1/4x3/8 - 35' .....	✓
TAYREFLN060 .....	Lineset Kit 1/4x3/8 - 50' .....	✓
TAYREFLN560 .....	Lineset Kit 1/4x1/2 - 25' .....	✓
TAYREFLN565 .....	Lineset Kit 1/4x1/2 - 35' .....	✓
TAYREFLN570 .....	Lineset Kit 1/4x1/2 - 50' .....	✓
TAYREFLN155 .....	Lineset Kit 1/4x5/8 - 25' .....	✓
TAYREFLN160 .....	Lineset Kit 1/4x5/8 - 35' .....	✓
TAYREFLN165 .....	Lineset Kit 1/4x5/8 - 50' .....	✓

# General Data

MODEL - Heat Pump Only	4TXM6518A1020BA	4TXM6524A1030BA
RATED Volts/PH Frequency (Hz)	208 / 230 / 1 60Hz	208 / 230 / 1 60Hz
<b>Outdoor Unit</b>	<b>4TXM6518A1020BA</b>	<b>4TXM6524A1030BA</b>
Rated Cooling Capacity	18000	26000
Cooling Capacity Range (Btu/h)	7000 - 21000	7500 - 33000
Rated Heating Capacity	19000	29000
Heating Capacity Range @ 47 F (Btu/h)	8530 - 22600	7500 - 35000
Max. Heating Capacity @ 17 F (Btu/h)	9600	15000
Max Heating Capacity @ 5 F (Btu/h)	8600	12100
SEER / HSPF	16.0 / 8.2	16.0 / 8.2
EER	10.20	8.20
Compressor Type	Inverter Rotary	Inverter Rotary
L.R.A. (A)	27	45
Compressor RLA(A)	9.56	14.69
Compressor Power Input(W)	1245	2200
Throttling Method	EEV	EEV
Working Temp Range (oF)	0 ~ 110                      5 ~ 75	0 ~ 110                      5 ~ 75
Condenser	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube
Pipe Diameter (inch)	5/16	3/8
Row Fin Gap (inch)	2 - 0.055	2 - 0.055
Coil length (l) x height (H) x coil width (L) (inch)	30.6 x 21.7 x 1.5	35.0 x 25.9 x 1.7
Fan Motor Speed (rpm)	830 / 670 / 500	690 / 600 / 500
Output of Fan Motor (W)	60	60
Fan Motor RLA (A)	0.54	0.59
Fuse (A)	20	30
Air Flow Volume of Outdoor Unit (CFM)	1533	1980
Fan Diameter (inch)	17.5	20.5
Defrosting Method	Automatic Defrosting	Automatic Defrosting
Sound Power Level dB (A)	66	69
Sound PRESSURE Level dB (A)(SH/H/M/L) ①	56	59
Uncrated Dimension (W/L/H) (inch)	35.4 x 14.9 x 23.5	37.6 x 15.6 x 27.6
Crated Dimension of Package (W/L/H) (inch)	37.3 x 16.5 x 25.4	40.5 x 18.0 x 29.5
Net Weight/Gross Weight (lbs)	94.8 / 105.8	134.5 / 145.5
Refrigerant Charge (oz)	47.62	77.6
MCA	15.0	20.0
M.O.P	20.0	30.0

## Connection Pipe

Outer Diameter Liquid Pipe (inch)	1/4	1/4
Outer Diameter Gas Pipe (inch)	3/8	3/8
Outer Diameter Liquid Pipe (inch)	1/4	1/4
Outer Diameter Gas Pipe (inch)	3/8	3/8
Outer Diameter Liquid Pipe (inch)	/	1/4
Outer Diameter Gas Pipe (inch)	/	3/8
Outer Diameter Liquid Pipe (inch)	/	/
Outer Diameter Gas Pipe (inch)	/	/
Outer Diameter Liquid Pipe (inch)	/	/
Outer Diameter Gas Pipe (inch)	/	/
Max Height Distance (ft)	16	33
Max Length Distance (ft) - Single Unit Each	33	66
Max Length Distance (ft) - Multiple Units Total	66	230

① Sound PRESSURE Level @ 3.3 ft. dB(A)

### Notes:

- a. The refrigerant charge mentioned in the technical data does not include additional charge required for the indoor unit and the refrigerant pipe.
- b. The amount of the additional refrigerant charge depends on the diameter and length of the liquid refrigerant pipe installed.
- c. Record the additional refrigerant charge for future maintenance.
  - 1). Calculation of the Additional Refrigerant Charge

Model#	Shortest Safe range(ft)	Longest Safe range(ft)	Maximum tubing length(ft)	Maximum tubing Lift(ft)	(+/-) oz per ft outside safe range
4TXM6518A1020BA	33	66	66	16	0.2
4TXM6524A1030BA	49	98	230	33	0.2
4TXM6530A1040BA	66	132	230	33	0.2
4TXM6536A1040BA	82	135	230	33	0.2
4TXM6542A1050BA	98	164	230	33	0.2

Additional Refrigerant Charge<sub>2</sub>=ΣExtra Liquid Pipe Length×0.2 oz /ft ( liquid pipe 1/4").

# General Data

MODEL - Heat Pump Only	4TXM6530A1040BA	4TXM6536A1040BA	4TXM6542A1050BA
RATED Volts/PH Frequency (Hz)	208 / 230 / 1 60Hz	208 / 230 / 1 60Hz	208 / 230 / 1 60Hz
<b>Outdoor Unit</b>	<b>4TXM6530A1040BA</b>	<b>4TXM6536A1040BA</b>	<b>4TXM6542A1050BA</b>
Rated Cooling Capacity	29000	34400	40000
Cooling Capacity Range (Btu/h)	7500 - 34000	8530 - 34120	8530 - 46403
Rated Heating Capacity	30400	37200	44500
Heating Capacity Range @ 47 F (Btu/h)	7500 - 36000	10660 - 40900	10660 - 47760
Max. Heating Capacity @ 17 F (Btu/h)	16500	22000	24800
Max Heating Capacity @ 5 F (Btu/h)	13300	14400	17600
SEER / HSPF	16.0 / 8.2	16.0 / 8.2	16.0 / 8.0
EER	7.30	7.95	9.30
Compressor Type	Inverter Rotary	Inverter Rotary	Inverter Rotary
L.R.A. (A)	45	45	60
Compressor RLA(A)	19.62	19.62	19.07
Compressor Power Input(W)	2200	2200	3010
Throttling Method	EEV	EEV	EEV
Working Temp Range (oF)	0 ~ 110      5 ~ 75	0 ~ 110      5 ~ 75	0 ~ 110      5 ~ 75
Condenser	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube
Pipe Diameter (inch)	3/8	5/8	5/16
Row Fin Gap (inch)	2 - 0.055	2 - 0.055	2 - 0.055
Coil length (l) x height (H) x coil width (L) (inch)	35.0 x 25.9 x 1.7	35.7 x 29.4 x 1.5	40.2 x 41.6 x 1.5
Fan Motor Speed (rpm)	690 / 600 / 500	820 / 640 / 560	860 / 650 / 550
Output of Fan Motor (W)	60	120	140
Fan Motor RLA (A)	0.59	0.67	1.1
Fuse (A)	45	45	40
Air Flow Volume of Outdoor Unit (CFM)	1980	2177	3244
Fan Diameter (inch)	20.5	21.7	22.4
Defrosting Method	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting
Sound Power Level dB (A)	69	69	68
Sound PRESSURE Level dB (A)(SH/H/M/L) ①	59	59	58
Uncrated Dimension (W/L/H) (inch)	37.6 x 15.6 x 27.6	39.1 x 16.8 x 31.1	42.8 x 17.3 x 43.4
Crated Dimension of Package (W/L/H) (inch)	40.5 x 18.0 x 29.5	42.6 x 19.2 x 33.7	45.5 x 18.9 x 43.9
Net Weight /Gross Weight (lbs)	136.7 / 147.7	152.6 / 164.9	224.4 / 246.4
Refrigerant Charge (oz)	77.6	102.3	169.3
MCA	26.0	28.0	26.0
M.O.P	45.0	45.0	40.0

## Connection Pipe

Outer Diameter Liquid Pipe (inch)	1/4	1/4	1/4
Outer Diameter Gas Pipe (inch)	3/8	3/8	3/8
Outer Diameter Liquid Pipe (inch)	1/4	1/4	1/4
Outer Diameter Gas Pipe (inch)	3/8	3/8	3/8
Outer Diameter Liquid Pipe (inch)	1/4	1/4	1/4
Outer Diameter Gas Pipe (inch)	3/8	1/2	1/2
Outer Diameter Liquid Pipe (inch)	1/4	3/8	1/4
Outer Diameter Gas Pipe (inch)	3/8	5/8	1/2
Outer Diameter Liquid Pipe (inch)	/	/	3/8
Outer Diameter Gas Pipe (inch)	/	/	5/8
Max Height Distance (ft)	33	33	33
Max Length Distance (ft) - Single Unit Each	66	66	82
Max Length Distance (ft) - Multiple Units Total	230	230	230

① Sound PRESSURE Level @ 3.3 ft. dB(A)

### Notes:

- a. The refrigerant charge mentioned in the technical data does not include additional charge required for the indoor unit and the refrigerant pipe.
- b. The amount of the additional refrigerant charge depends on the diameter and length of the liquid refrigerant pipe installed.
- c. Record the additional refrigerant charge for future maintenance.
  - 1). Calculation of the Additional Refrigerant Charge

Model#	Shortest Safe range(ft)	Longest Safe range(ft)	Maximum tubing length(ft)	Maximum tubing Lift(ft)	(+/-) oz per ft outside safe range
4TXM6518A1020BA	33	66	66	16	0.2
4TXM6524A1030BA	49	98	230	33	0.2
4TXM6530A1040BA	66	132	230	33	0.2
4TXM6536A1040BA	82	135	230	33	0.2
4TXM6542A1050BA	98	164	230	33	0.2

Additional Refrigerant Charge<sub>2</sub>=ΣExtra Liquid Pipe Length×0.2 oz /ft ( liquid pipe 1/4").

# Mechanical Specifications

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## Multi-Split Outdoor Unit

### General

This unit is pre-charged from the factory. This unit is designed to operate at outdoor ambient temperatures as high as 110°F. Cooling capacities with the mini-split air handler shown in the catalog are AHRI certified. The unit is ETL listed for outdoor application.

### Unit Casing

The unit casing is constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint.

### Refrigerant Controls

Refrigeration system controls include condenser fan and compressor relay. High and low pressure controls are inherent to the compressor. A suction line multi function service valve is standard

### Compressor

The compressor features internal over temperature and pressure protection; total dipped hermetic motor windings. Other features include: centrifugal oil pump and low vibration and noise.

### Condenser Coil

The coil shall consist of aluminum finned coils brazed to copper tubing. The coil provides air flow resistance and efficient heat transfer. The coil is protected by the casing.

### Low Ambient Cooling

Matched Trane ductless products, have a cooling capability to 0° F.



06/14

**Trane**  
6200 Troup Highway  
Tyler, TX 75707-9010

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The manufacturer has a policy of continuous product and product data improvement **and** it reserves the right to change design and specifications without notice.

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