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# SUBMITTAL

## Split System (R-410A) Multi-Zone, Inverter System 18,000 BTU/Hr 4TXM6518

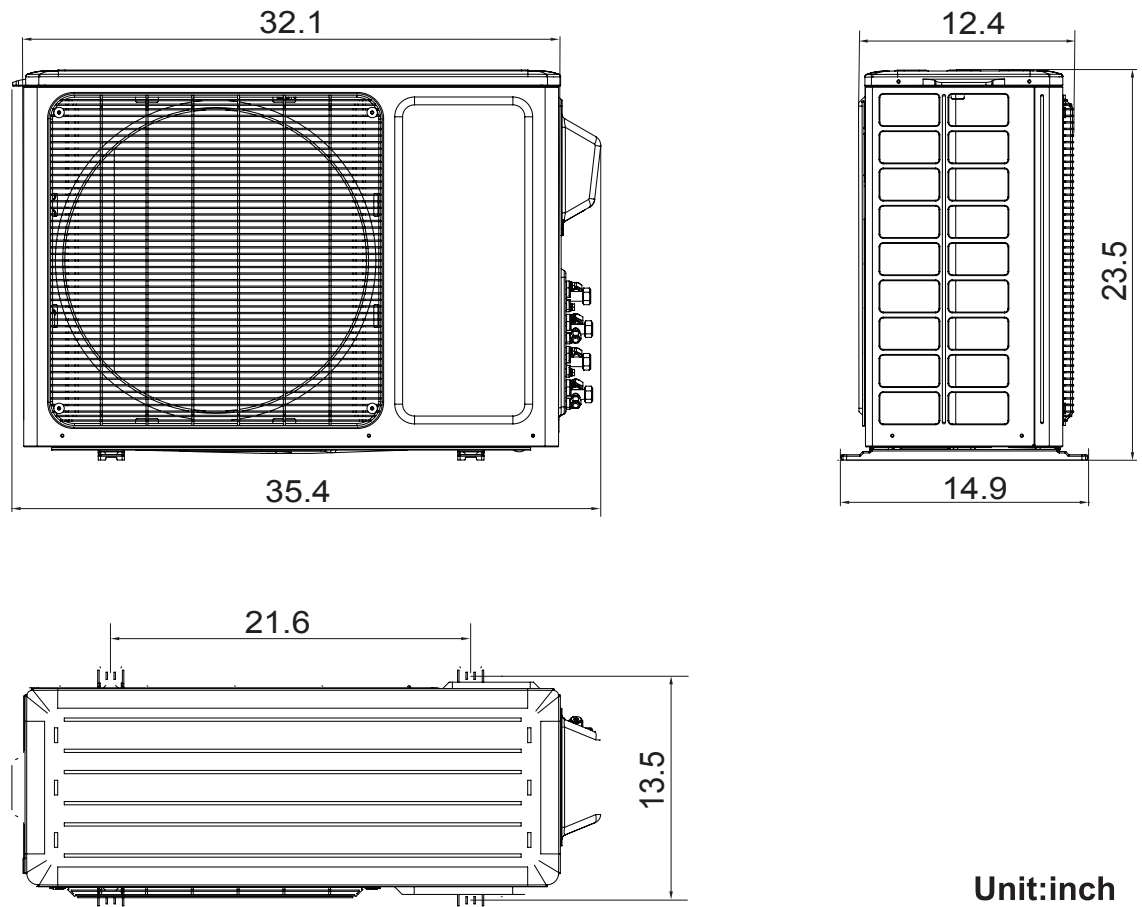
### Specifications

<b>MODEL - Heat Pump Only</b>	<b>4TXM6518A1020</b>
RATED Volts/PH Frequency (Hz)	208 / 230 / 1 60Hz
<b>Outdoor Unit</b>	<b>4TXM6518A1020</b>
Rated Cooling Capacity	18000
Cooling Capacity Range (Btu/h)	7000 - 21000
Rated Heating Capacity	19000
Heating Capacity Range @ 47 F (Btu/h)	8530 - 22600
Max. Heating Capacity @ 17 F (Btu/h)	9600
Max Heating Capacity @ 5 F (Btu/h)	8600
SEER / HSPF	16.0 / 8.2
EER	10.20
Compressor Type	Inverter Rotary
L.R.A. (A)	27
Compressor RLA(A)	9.56
Compressor Power Input(W)	1245
Throttling Method	EEV
Working Temp Range (oF)	0 ~ 110                      5 ~ 75
Condenser	Aluminum Fin-Copper Tube
Pipe Diameter (inch)	5/16
Row Fin Gap (inch)	2 - 0.055
Coil length (l) x height (H) x coil width (L) (inch)	30.6 x 21.7 x 1.5
Fan Motor Speed (rpm)	830 / 670 / 500
Output of Fan Motor (W)	60
Fan Motor RLA (A)	0.54
Fuse (A)	20
Air Flow Volume of Outdoor Unit (CFM)	1533
Fan Diameter (inch)	17.5
Defrosting Method	Automatic Defrosting
Sound Power Level dB (A)	66
Sound PRESSURE Level dB (A)(SH/H/M/L) ①	56
Uncrated Dimension (W/L/H) (inch)	35.4 x 14.9 x 23.5
Crated Dimension of Package (W/L/H) (inch)	37.3 x 16.5 x 25.4
Net Weight /Gross Weight (lbs)	94.8 / 105.8
Refrigerant Charge (oz)	47.62
MCA	15.0
M.O.P	20.0
<b>Connection Pipe</b>	
Outer Diameter Liquid Pipe (inch)	1/4
Outer Diameter Gas Pipe (inch)	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)	/
Outer Diameter Liquid Pipe (inch)	/
Outer Diameter Gas Pipe (inch)	/
Max Height Distance (ft)	16
Max Length Distance (ft) - Single Unit Each	33
Max Length Distance (ft) - Multiple Units Total	66

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

# Outdoor Unit

18K Unit



Unit:inch

**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
4TXM6518A1020	33	66	66	16	0.2
4TXM6524A1030	49	98	230	33	0.2
4TXM6530A1040	66	132	230	33	0.2
4TXM6536A1040	82	135	230	33	0.2
4TXM6542A1050	98	164	230	33	0.2

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

## Ductless Multi-Zone Approved Combinations

Indoor Unit										
Outdoor Unit	Two Units		Three Units			Four Units			Five Units	
4TXM6518A1020 18,000 BTUH	9+9									
	9+12									
Outdoor Unit	Two Units		Three Units			Four Units			Five Units	
4TXM6524A1030 24,000 BTUH	9+9	9+12	9+9+9	9+12+12	12+12+12					
	9+18	12+12	9+9+12	9+9+18						
	12+18	18+18								
Outdoor Unit	Two Units		Three Units			Four Units			Five Units	
4TXM6530A1040 30,000 BTUH	9+9	9+12	9+9+9	9+9+12	9+9+18	9+9+9+9	9+9+9+12	9+9+12+12		
	9+18	12+12	9+12+12	9+12+18	12+12+12					
	12+18	18+18	12+12+18							
Outdoor Unit	Two Units		Three Units			Four Units			Five Units	
4TXM6536A1040 36,000 BTUH	9+9	12+18	9+9+9	9+12+18	12+12+18	9+9+9+9	9+9+12+18			
	9+12	12+24	9+9+12	9+12+24	12+12+24	9+9+9+12	9+9+18+18			
	9+18	18+18	9+9+18	9+18+18	12+18+18	9+9+9+18	9+12+12+12			
	9+24	18+24	9+9+24	9+18+24	18+18+18	9+9+9+24	9+12+12+18			
	12+12	24+24	9+12+12	12+12+12		9+9+12+12	12+12+12+12			
Outdoor Unit	Two Units		Three Units			Four Units			Five Units	
4TXM6542A1050 42,000 BTUH	9+9	12+18	9+9+9	9+12+24	12+12+24	9+9+9+9	9+9+12+24	9+12+18+18	9+9+9+9+9	9+9+9+18+18
	9+12	12+24	9+9+12	9+18+18	12+18+18	9+9+9+12	9+9+18+18	9+18+18+18	9+9+9+9+12	9+9+12+12+12
	9+18	18+18	9+9+18	9+18+24	12+18+24	9+9+9+18	9+9+18+24	12+12+12+12	9+9+9+9+18	9+9+12+12+18
	9+24	18+24	9+9+24	9+24+24	12+24+24	9+9+9+24	9+12+12+12	12+12+12+18	9+9+9+9+24	9+12+12+12+12
	12+12	24+24	9+12+12	12+12+12	18+18+18	9+9+12+12	9+12+12+18	12+12+12+24	9+9+9+12+12	9+12+12+12+18
			9+12+18	12+12+18	18+18+24	9+9+12+18	9+12+12+24	12+12+18+18	9+9+9+12+18	12+12+12+12+12

## Ductless Multi-Zone Quick Reference

Multi-Zone Heat Pumps Outdoor				
18,000 BTUH	24,000 BTUH	30,000 BTUH	36,000 BTUH	42,000 BTUH
4TXM6518A1020	4TXM6524A1020	4TXM6530A1040	4TXM6536A1040	4TXM6542A1050

Multi-Zone Heat Pumps Indoor Options				
	9,000 BTUH	12,000 BTUH	18,000 BTUH	24,000 BTUH
High Wall Mounted	4MXW8509A10N0	4MXW8512A10N0	4MXW8518A10N0	4MXW8524A10N0
Cassette	N/A	4MXC8512A10N0	4MXC8518A10N0	4MXC8524A10N0
Console	4MXF8509A10N0	4MXF8512A10N0	4MXF8518A10N0	N/A
Floor/Ceiling	4MXX8509A10N0	4MXX8512A10N0	4MXX8518A10N0	4MXX8524A10N0

# Mechanical Specifications

## Multi-Zone 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.

## Optional Equipment

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

### Optional outdoor unit accessories

Model Number	Description	4TXM65 Multi-Zone 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'	✓

