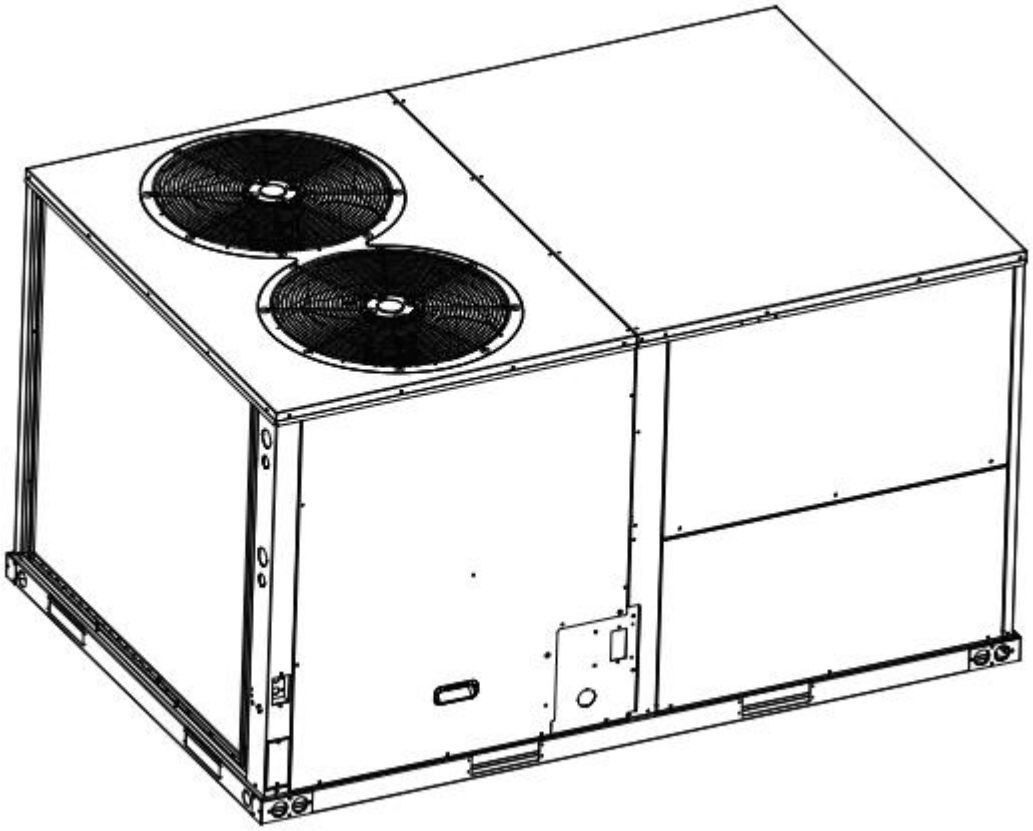
Submittal	

Packaged Rooftop
Cooling and Gas/Electric
Model: tk1503



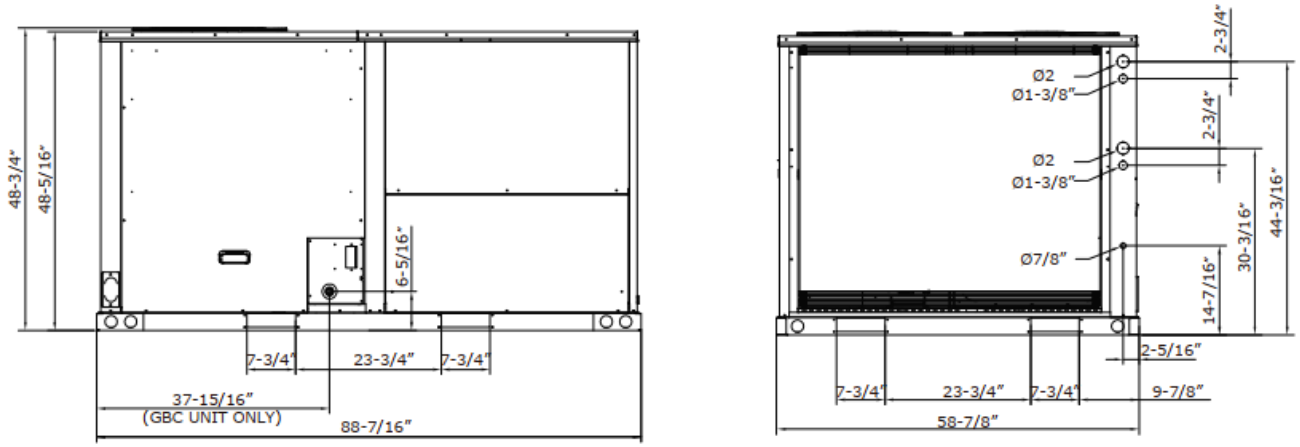
1 Specifications

	tk1503
Cooling Performance(a)	
Gross Cooling Capacity	150000
EER (Downflow/Horizontal)	11.0
Nominal Airflow CFM / AHRI Rated CFM	4600/4000
AHRI Net Cooling Capacity	140000
Integrated Energy Efficiency Ratio (IEER)	14.2
Percent Capacity @ part load (Stage 1/Stage 2)	60/100
System Power (kW)	12.73
Compressor	
Number/Type	2 / Scrolls
Sound	
Outdoor Sound Rating (BELS)	8.7
Outdoor Coil	
Type	Microchannel
Coil Width (in.) （System A+System B）	1.28+1.28
Face Area (sq. ft.)	27.38
Rows/FPI	1/23
Indoor Coil	
Type	Microchannel
Coil Width (in.)	1.57
Face Area (sq. ft.)	12.88
Rows/FPI	4/17
Refrigerant Control	EXV
Drain Connection Number/Size (in.)	1 / 3/4"

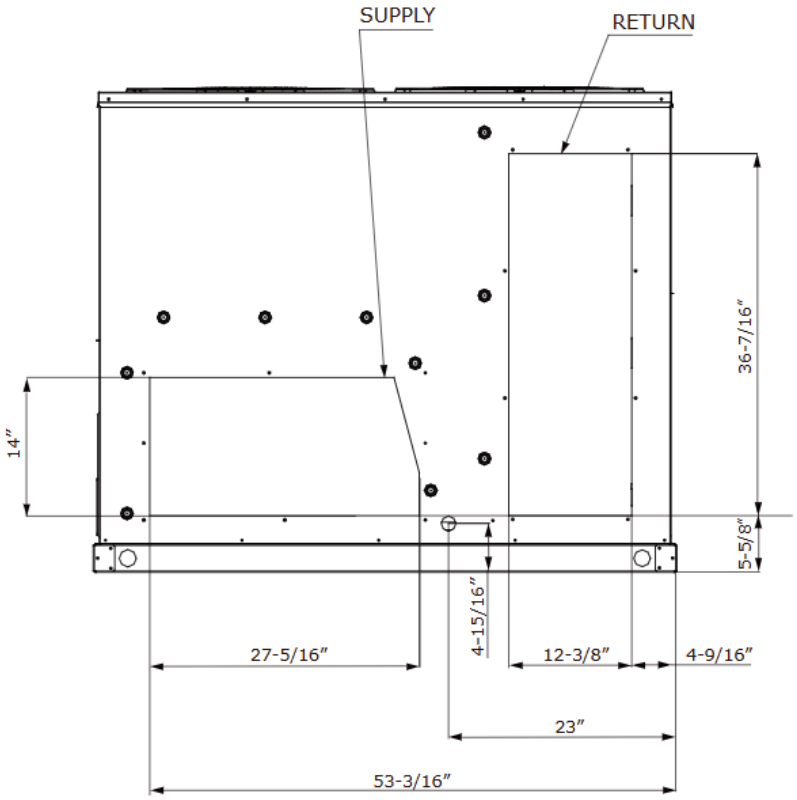
	PVC Pipe Female
Outdoor Fan	
Type Number Used/Diameter (in.) Drive Type/No. Speeds cfm Number Motors/hp Motor rpm Max.	Propeller 2 / 23-1/2" Direct / 10 10000 2 / 3/4HP 1070
Indoor Fan	
Type Number Used/Diameter (in.) Drive Type/No. Speeds Number Motors Motor hp (Standard/Oversized) Motor rpm (Standard/Oversized) Motor Frame Size (Standard/Oversized)	FC Centrifugal 1 / 15X15 Belt / 1 1 3.0 / 5.0 1725 56/56
Filters	
Type Furnished Number Size Recommended	Throwaway （4）20*20*2
Refrigerant Charge (Pounds of R-410A)(d)	
Circuit 1	7.50lbs
Circuit 2	5.73lbs

2 Dimensions

2.1 front and side views (in inches)



2.2 back view (horizontal configuration) (in inches)



3 Electric Data

		COMPRESSOR A		COMPRESSOR B		CONDENSER FAN		INDOOR FAN		MAIN POWER SUPPLY	
Volts	Model	RLA-VOLTS	LRA	RLA-VOLTS	LRA	FLA-VOLTS	HP	FLA-VOLTS	HP	MCA	MOP
230V	12.5T	23.2-208	164	15.6-208	93	4.5-208	0.76	12-208	3	66	80

4 Outstanding Features

1) General

- ✓ Packaged rooftop units are dedicated downflow or horizontal airflow.
- ✓ Factory assembled, internally wired, fully charged with R-410A, and 100 percent run tested to check cooling operation, fan and blower rotation, and control sequence before leaving the factory.

2) Discharge Line Thermostat

- ✓ Provides extra protection to the compressors against high discharge temperatures in case of loss of charge, extremely high ambient and other conditions which could drive the discharge temperature higher.

3) Evaporator and Condenser Coils

- ✓ Microchannel coils burst tested by manufacturer
- ✓ Microchannel evaporator and condenser coils standard on all units
- ✓ Coils leak tested to ensure the pressure integrity

4) Compressors

- ✓ All units have direct-drive, hermetic, scroll type compressors with centrifugal type oil pumps
- ✓ Suction gas-cooled motor with voltage utilization range of plus or minus 10 percent of unit nameplate voltage
- ✓ Internal overloads standard with scroll compressors

5) Indoor Fan

- ✓ Belt driven, FC centrifugal fans with adjustable motor sheaves. Motors thermally protected.

6) Outdoor Fans

- ✓ Outdoor fan shall be direct-drive, statically and dynamically balanced, draw-through in the vertical discharge position.
- ✓ Fan motor(s) shall be permanently lubricated and shall have built-in thermal overload protection.

Midea Building Technologies Division
Midea Group

Add.: Midea Headquarters Building, 6 Midea Avenue, Shunde, Foshan, Guangdong, China

Postal code: 528311

mbt.midea.com / global.midea.com / tsp.midea.com

Note: Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.