

Project Name: **AI Hill - Century Tire 3**

Unit Model #: **ZF120S20V2UAA7**

Quantity: **2**

System: **ZF120S20V2UAA7 (2)**

### Cooling Performance

Total capacity	134.5 MBH
Sensible capacity	96.1 MBH
Refrigerant type	R-410A
Efficiency (at ARI)	11.20 EER
Integrated eff. (at ARI)	12.10 IEER
Ambient DB temp.	86.8 °F
Entering DB temp.	80.0 °F
Entering WB temp.	67.0 °F
Leaving DB temp.	57.8 °F
Leaving WB temp.	56.3 °F
Part load efficiency	12.6 IPLV
Power input (w/o blower)	8.36 kW
Sound power	90 dB(A)

### Gas Heating Performance

Entering DB temp.	60 °F
Heating output capacity (Max)	192 MBH
Supply air	4000 CFM
Heating input capacity (Max)	240 MBH
Leaving DB temp.	104.4 °F
Air temp. rise	44.4 °F
SSE	80.0 %
Stages	2

### Supply Air Blower Performance

Supply air	4000 CFM
Ext. static pressure	0.6 IWG
Unit static resistance	0.56 IWG
Blower speed	1176 RPM
Max BHP of Motor (including service factor)	3.45 HP
Duct location	Bottom
Motor rating	3.00 HP
Actual required BHP	2.92 HP
Power input	2.72 kW
Elevation	62 ft.
Drive type	BELT
Requires field-supplied drive	true

### Electrical Data

Power supply	230-3-60
Unit min circuit ampacity	58.5 Amps
Unit max over-current protection	70 Amps

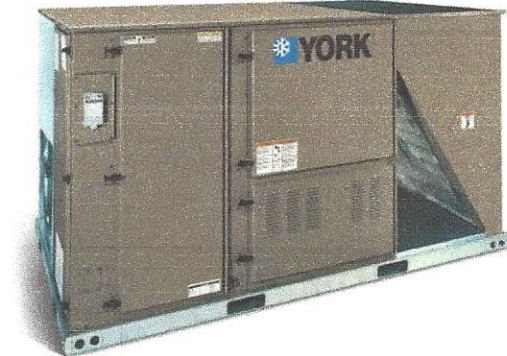
### Dimensions & Weight

Hgt	51 in.	Len	89 in.	Wth	59 in.
Weight with factory installed options	1265 lbs.				

### Clearances

Right	12 in.	Front	36 in.	Back	36 in.
Top	72 in.	Bottom	0 in.	Left	36 in.

Note: Please refer to the tech guide for listed maximum static pressures



### 10 Ton

- York Predator units are manufactured at an ISO 9001 registered facility and each rooftop is completely computer-run tested prior to shipment.

### Unit Features

- Unit Cabinet Constructed of Powder Painted Steel, Certified At 1000 Hours Salt Spray Test (ASTM B-117 Standards)
- Through-the-Curb and Through-the-Base Utility Connections
- Full perimeter base rails with built in rigging capabilities
- Hinged Access Panels
- Slide-Out Condensate Drain Pan
- Reciprocating Compressor
- Two Stage Cooling
- Solid Core Liquid Line Filter Driers
- Microchannel Condenser Coil
- 192 MBH Output Stainless Steel, Two Stage Gas Heat
- Unit Ships with 2" Throwaway Filters with a Standard Filter Rack that will Accept up to 4" Filters
- Replacement Filters: 4 - (24" x 20"). Unit accepts 2" or 4" wide filters.
- Single Point Power Connection
- HACR Circuit Breaker/Disconnect (Sized for 208 Volts)
- Powered Convenience Outlet (110 VAC / 15 Amp)
- Supply Air Smoke Detector
- Dry Bulb Low Leak Economizer w/Barometric Relief and Hoods (Bottom or Horizontal End Return Only)
- Short Circuit Current: 5kA RMS Symmetrical

### Standard Unit Controller: Simplicity Control Board

- Safety Monitoring - Monitors the high and low-pressure switches, the freezestats, the gas valve, if applicable, and the temperature limit switch on gas and electric heat units. The unit control board will alarm on ignition failures, safety lockouts and repeated limit switch trips.

### BAS Controller

- Simplicity SE Controller with Discharge Air, Return Air, and Outside Air Sensor

### Warranty

- One (1) Year Limited Warranty on the Complete Unit
- Five (5) Year Warranty - Compressors
- Fifteen (15) Year Warranty on Stainless Steel Heat Exchanger

Project Name: **AI Hill - Century Tire 3**

Unit Model #: **ZJ078N15H2KAC7**

Quantity: **1**

System: **ZJ078N15H2KAC7**

### Cooling Performance

Total capacity	85.9 MBH
Sensible capacity	61.3 MBH
Refrigerant type	R-410A
Efficiency (at ARI)	12.00 EER
Integrated eff. (at ARI)	13.50 IEER
Ambient DB temp.	86.8 °F
Entering DB temp.	80.0 °F
Entering WB temp.	67.0 °F
Leaving DB temp.	58.2 °F
Leaving WB temp.	56.5 °F
Part load efficiency	14.9 IPLV
Power input (w/o blower)	5.19 kW
Sound power	83 dB(A)

### Gas Heating Performance

Entering DB temp.	60 °F
Heating output capacity (Max)	144 MBH
Supply air	2600 CFM
Heating input capacity (Max)	180 MBH
Leaving DB temp.	111.3 °F
Air temp. rise	51.3 °F
SSE	80.0 %
Stages	2

### Supply Air Blower Performance

Supply air	2600 CFM
Ext. static pressure	0.6 IWG
Unit static resistance	0.14 IWG
Blower speed	857 RPM
Max BHP of Motor (including service factor)	1.73 HP
Duct location	Bottom
Motor rating	1.50 HP
Actual required BHP	1.31 HP
Power input	1.21 kW
Elevation	62 ft.
Drive type	BELT

### Electrical Data

Power supply	230-3-60
Unit min circuit ampacity	30.3 Amps
Unit max over-current protection	35 Amps

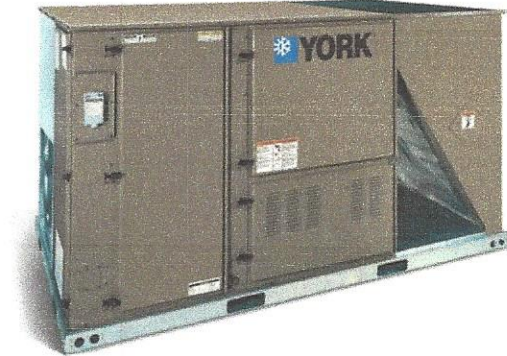
### Dimensions & Weight

Hgt	51 in.	Len	89 in.	Wth	59 in.
Weight with factory installed options	1225 lbs.				

### Clearances

Right	12 in.	Front	36 in.	Back	36 in.
Top	72 in.	Bottom	0 in.	Left	36 in.

Note: Please refer to the tech guide for listed maximum static pressures



### 6.5 Ton

- York Predator units are manufactured at an ISO 9001 registered facility and each rooftop is completely computer-run tested prior to shipment.

### Unit Features

- Unit Cabinet Constructed of Powder Painted Steel, Certified At 1000 Hours Salt Spray Test (ASTM B-117 Standards)
- Through-the-Curb and Through-the-Base Utility Connections
- Full perimeter base rails with built in rigging capabilities
- Hinged Access Panels
- Slide-Out Condensate Drain Pan
- Reciprocating Compressor
- Two Stage Cooling
- Solid Core Liquid Line Filter Driers
- Microchannel Condenser Coil
- 144 MBH Output Aluminized Steel, Two Stage Gas Heat
- 1.5 HP Standard Static Belt Drive Blower
- Unit Ships with 2" Throwaway Filters with a Standard Filter Rack that will Accept up to 4" Filters
- Replacement Filters: 4 - (24" x 20"). Unit accepts 2" or 4" wide filters.
- Single Point Power Connection
- HACR Circuit Breaker/Disconnect (Sized for 208 Volts)
- Non-Powered Convenience Outlet
- Return Air Smoke Detector
- Dry Bulb Low Leak Economizer w/Barometric Relief and Hoods (Bottom or Horizontal End Return Only)
- Coil Guard
- Short Circuit Current: 5kA RMS Symmetrical

### Standard Unit Controller: Simplicity Control Board

- Safety Monitoring - Monitors the high and low-pressure switches, the freezestats, the gas valve, if applicable, and the temperature limit switch on gas and electric heat units. The unit control board will alarm on ignition failures, safety lockouts and repeated limit switch trips.

### BAS Controller

- Simplicity SE Controller with Discharge Air, Return Air, and Outside Air Sensor

### Warranty

- One (1) Year Limited Warranty on the Complete Unit
- Five (5) Year Warranty - Compressors
- Ten (10) Year Warranty - Aluminized Steel Tubular Heat Exchangers





**Unit Dimensions - 3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop**  
**Item: A2 Qty: 1 Tag(s): RTU-2**

**ELECTRICAL / GENERAL DATA**

<b>GENERAL</b> <sup>(2)(4)(6)</sup> Model: YHC092F Oversized Motor Unit Operating Voltage: 187-253 Unit Primary Voltage: 208 Unit Secondary Voltage: 230 Unit Hertz: 60 Unit Phase: 3 EER: 12.6 Standard Motor MCA: 41.9 MFS: 50.0 MCB: 50.0		HEATING PERFORMANCE HEATING - GENERAL DATA Heating Model: High Heating Input (BTU): 200,000/140,000 Heating Output (BTU): 160,000/112,000 No. Burners: 4 No. Stages: 2 Gas Inlet Pressure Natural Gas (Min/Max): 4.5/14 LP (Min/Max): 11.0/14.0 Gas Pipe Connection Size: 3/4"	
<b>INDOOR MOTOR</b> Standard Motor Number: 1 Horsepower: 3.8 Motor Speed (RPM): - Phase: 3 Full Load Amps: 8.5 - 8.5 Locked Rotor Amps: -		Oversized Motor Number: N/A Horsepower: N/A Motor Speed (RPM): N/A Phase: N/A Full Load Amps: N/A Locked Rotor Amps: N/A	
<b>COMPRESSOR</b> Circuit 1/2 Number: 2 Horsepower: 4.1/2.4 Phase: 3 Rated Load Amps: 15.9/10.0 Locked Rotor Amps: 110.0/71.0		<b>OUTDOOR MOTOR</b> Number: 1 Horsepower: 0.75 Motor Speed (RPM): 1100 Phase: 1 Full Load Amps: 3.5 Locked Rotor Amps: 9.3	
<b>POWER EXHAUST ACCESSORY</b> <sup>(3)</sup> (Field Installed Power Exhaust) Phase: N/A Horsepower: N/A Motor Speed (RPM): N/A Full Load Amps: N/A Locked Rotor Amps: N/A	<b>FILTERS</b> Type: Throwaway Furnished: Yes Number: 4 Recommended: 20"x25"x2"	<b>REFRIGERANT</b> <sup>(2)</sup> Type: R-410 Factory Charge Circuit #1: 5.5 lb Circuit #2: 4.2 lb	

**NOTES:**

1. Maximum (HACR) Circuit Breaker sizing is for installations in the United States only.
2. Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.
3. Value does not include Power Exhaust Accessory.
4. Value includes oversized motor.
5. Value does not include Power Exhaust Accessory.
6. EER is rated at AHRI conditions and in accordance with DOE test procedures.