



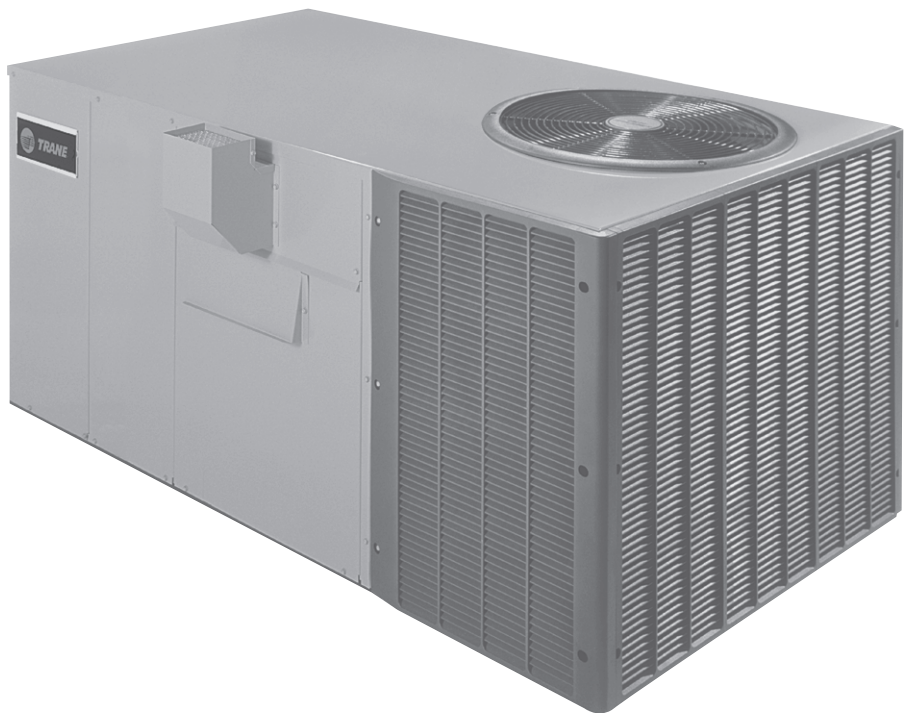
TRANE®

12 SEER Package Gas / Electric Units

CONVERTIBLE MODELS

YCX024-060G

2 – 5 Ton

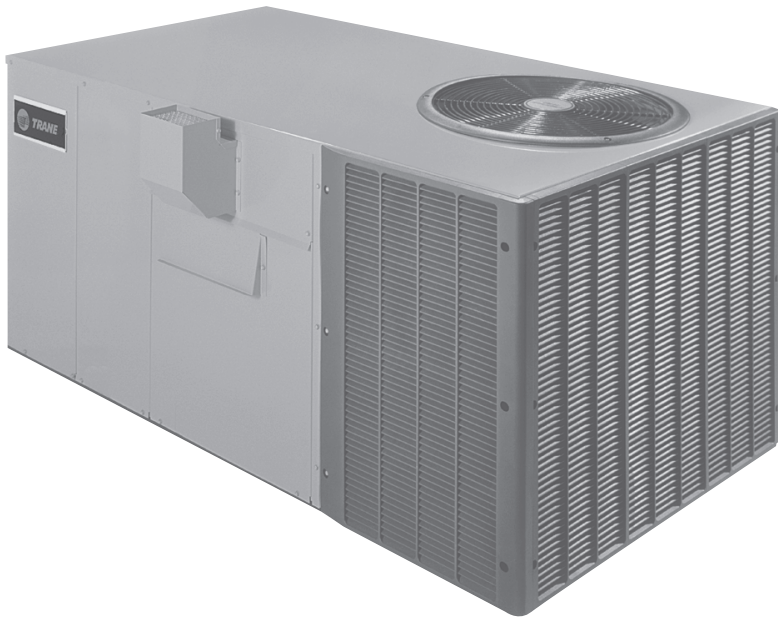


PUB. NO. 22-1703-01-299 (EN)



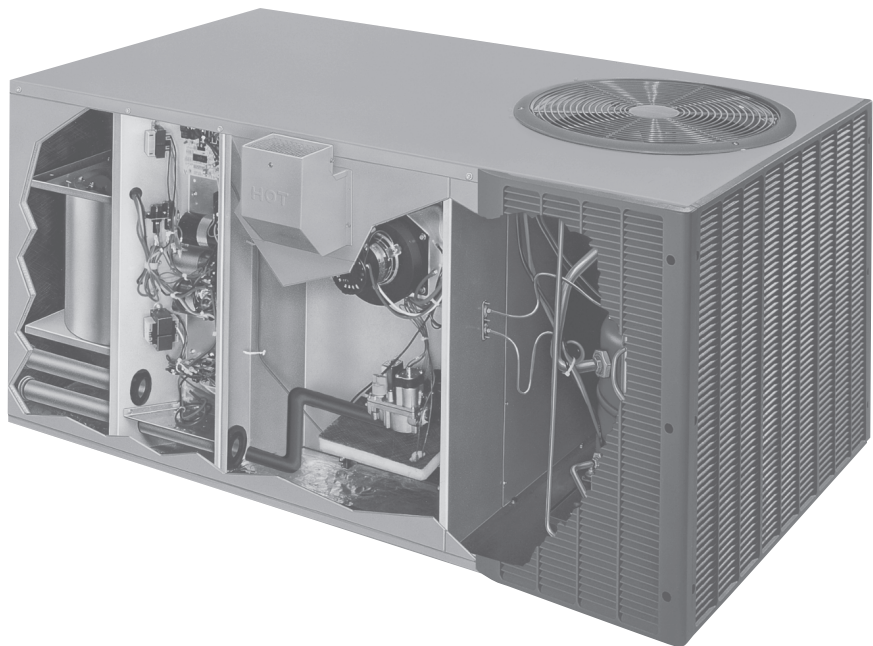
General Features

It's Hard To Stop A Trane.[®]



T-TOP™
WEATHERGUARD™
Corrosion Resistant Screws
Powder Paint
WATER-SHED Base

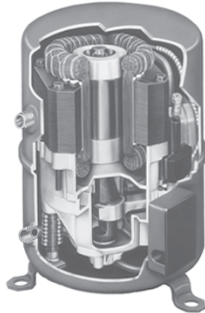
High Efficiency
Climatuff® Compressor
DuraTuff™ Plate Fin Coil
Single Stage Gas Furnace
Side Electrical and Gas Access
Sloped Drain Pan
100% Foil Faced Insulation
Easy Access for Service and Installation



Features and Benefits

Standard Equipment

- **High Efficiency**
IMPACT performance is the highest in the industry at 16 SEER.



- **Climatuff® Compressors**
Protection against chemical, electrical, and mechanical stresses are built in for efficiency and a longer life. The compressors are backed by a 10-year limited warranty. (single phase residential use only)
- **Powder Paint**
Beautiful high gloss silver gray finish blends with any architectural style. New powder paint covers surfaces uniformly increasing protection from rust and corrosion.
- **WEATHERGUARD™ Corrosion Resistant Screws**
Holds it all together beautifully. Resists rust and corrosion.
- **WATER-SHED Base**
Superior water integrity is accomplished with the **WATER-SHED** base pan having elevated downflow openings and a perimeter channel that prevents water from draining into the ductwork.
- **T-TOP™**
Exclusive one piece, solid unit top for improved water integrity and easy component access.
- **Coil Guards**
The **COIL-SAV'R™** end and side grilles are a new Lexan®, louvertype. The grilles will protect the coil from hail, kids with sticks, and normal shipping, installation and handling damage.
- **DuraTuff™ Plate Fin Coil**
Refrigeration coils are built with internally enhanced copper tubing for high efficiency with less coil area.
- **Single Stage Gas Furnace**
The furnace features aluminized tubular heat exchangers that have demonstrated their durability in torturous life cycle tests and fire tests at either 20 or 25 MBTUH per tube on natural gas or 24 MBTUH on propane. The heat exchanger is backed by a 20 year limited warranty. (residential use only).

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- YCX024G1M0A
- YCX030G1L0A
- YCX030G1M0A
- YCX036G1L0A
- YCX036G1M0A
- YCX036G1H0A
- YCX036G3L0A
- YCX036G3M0A
- YCX036G3H0A
- YCX036G4H0A
- YCX042G1M0A
- YCX042G3M0A
- YCX048G1H0A
- YCX048G3H0A
- YCX048G4H0A
- YCX060G1M0A
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- Pressure Drop

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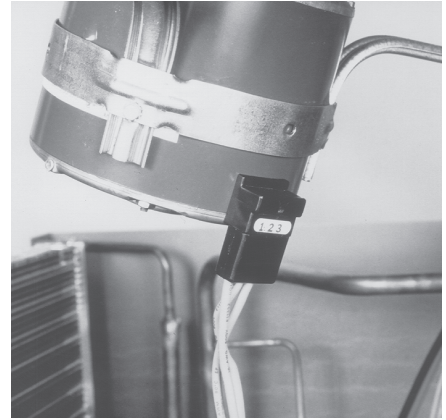
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Mechanical Specification Options

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Features and Benefits



Standard Equipment

other commercial buildings where a mix-match of tonnages and utilities is desired.

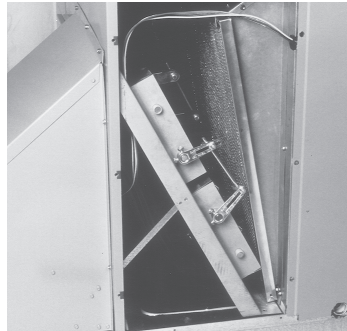
- **Shipping**
Unit dimensions were carefully selected to provide an attractive aspect ratio and for shipping and handling considerations.
- **Good Neighbor**
Most units can be installed flush with the residence or building thereby minimizing the ground space required. Blankets of insulation reduce blower noise and energy losses to the outside environments.
- **Rooftop Mounting**
The cabinets are physically smaller than most competitive models. This means less intrusive installations on residential rooftops where aesthetics are critical.
- **Convertibility**
IMPACT units are easily converted from horizontal to down flow with the removal of one screw from each panel. Accordingly, the need to stock both dedicated horizontal and dedicated down flow models has been eliminated.
- **Installation**
The ease of installation and application flexibility exhibited through the design reduce both field time and material.
- **Structure**
The units are lighter weight through the use of high technology components thereby reducing mounting structure requirements and difficulty when manhandling.
- **Handling**
The three-way wooden skid allows for easy loading between the wheel wells on pickup trucks for transporting to job sites.
- **Application**
The low profile horizontal duct take-offs eliminate the need for expensive transition ducts in crawl space applications.
- **Duct Flanges**
Only IMPACT has downflow duct flanges for duct attachments that preserve the built-in water integrity.
- **Service**
All wiring is both numbered and color coded thereby reducing training and servicing costs related to circuit tracing and components replacements.
- **Maintenance**
A plug on the outdoor fan motor allows the top cover to be removed completely without the hassle of cumbersome wires. The unique service orifice ring allows the indoor fan motor/blower to be removed as a unit.

- **Corrosion**
The drain pan is engineered material and eliminates the need for coatings and sealers to prevent sweating and corrosion. The heavy gauge, zinc-coated steel cabinet has a weather resistant enamel finish that stays attractive and protects your investment for years.
- **Low Ambient Control**
Standard cooling operation to 55° F as shipped, zero degree ambient cooling is accomplished with two kits. One for low cost installations when full tonnage is not needed. The other kit maintains head pressure and full capacity at zero degrees.
- **Quality and Reliability Testing**
We perform a 100% coil leak test at the factory. The evaporator and condenser coils are leak tested at 200 psig and pressure tested to 450 psig respectively. In addition the IMPACT designs were rigorously rain tested at the factory to ensure water integrity. Shipping tests are performed to determine packaging requirements. Factory shake and drop tests are used as part of the package design process to help assure that the unit will arrive at the job site in top condition. Additionally, all components are inspected at the point of final assembly. Substandard parts and components are identified and rejected immediately. Every unit receives a 100% run test before leaving the production line to make sure it lives up to rigorous Trane requirements. We at Trane test our designs at our factory and not on our customers!

- **Venting**
Induced draft venting reduces combustion problems associated with high winds and combustion panels that have been improperly replaced.
- **California NOx**
The standard unit meets California NOx requirements eliminating the inventory problems associated with unique models or kits.
- **One for Us... Two for Customer**
Three-try direct spark ignition system eliminates pilot related problems and provides unsurpassed ignition reliability.
- **Side Access Electrical and Gas**
Electrical (high and low voltage) and Gas access on the same side of the cabinet. An "S" tube on the gas valve provides for a straight in gas connection.
- **Sloped Drain Pan**
Non-corrosive sloped drain pan for more complete drainage of condensate during operation and off-cycle.
- **100% Foil Face Insulation**
100% foil faced cabinet insulation that is waterproof and easy to clean.
- **Commonality**
The common cabinet among the TCC's, WCX's, and YCX's minimizes both the training of sales and service personnel and replacement parts inventory.
- **Easy Access**
All electrical components can be diagnosed and replaced with the removal of one panel that is attached with two screws.
- **Flexibility**
A single curb fits the entire IMPACT line from 1.5 tons through 5 tons thereby providing great installation flexibility on shopping malls, factories, schools, and

IMPACT Accessories

- Standard Thermostats**
 No special thermostats are needed with IMPACK units.
- Filter Frame Kit**
 The IMPACK filter frames accept standard filters and fit inside the unit. The frame kits function in either horizontal or downflow duct configurations.
- UNI-CURB**
 One universal curb fits all the IMPACK models. It ships knocked down. The curb design incorporates the popular locking tabs for quick and easy assembly. Full perimeter curbs are also available for all models.
- Economizer**
 The economizer fits inside the unit with only the rain hood and barometric relief on the outside. Cabling is shipped with the economizer. This cabling is easily routed to the control box where it terminates in low voltage pigtailed. The economizer features a fully modulating low voltage motor eliminating the need for any high voltage wiring. The economizer must be used with the filter frame kit...no return air filter in the economizer kit. A dry bulb sensor is shipped with the economizer. The downflow economizer was not designed for use in horizontal applications. A horizontal only economizer is available.
- Enthalpy Control Kit**
 For those applications specifying an economizer with enthalpy control, this

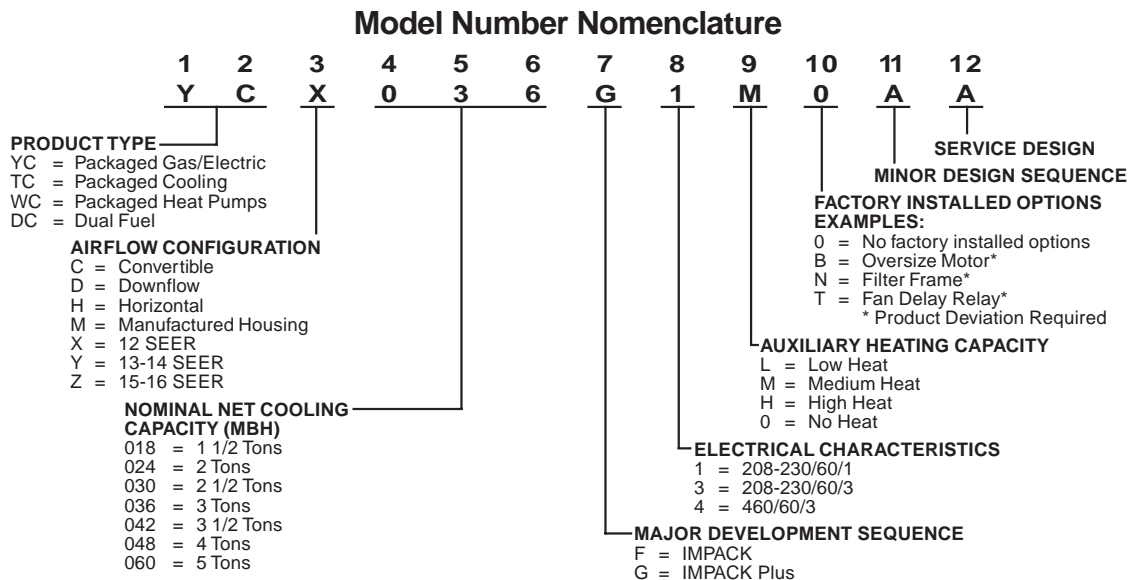


control can be used in place of the dry bulb sensor or, alternately, two enthalpy controls can be paired to provide differential enthalpy control.

- 25% Fresh Air Kit**
 The kit installs over the horizontal return air opening with six screws for downflow requirements. It can be used on horizontal air flow applications by cutting a hole in the return air duct or in the unit filter access panel.
- Rectangular to Round Duct Kits**
 The adapter kit can be used in either horizontal or downflow applications.
- Propane Kits**
 One propane kit fits all the IMPACK models. This kit has been constructed for greatest field flexibility and to minimize the number of parts that have to be discarded.

- Low Fire Kits**
 Seven Low fire kits are available for low fire operation on all the IMPACK models.
- Low Ambient Kit**
 An EDC provides low ambient cooling to 0° F with some reduced capacity and protects the system against evaporator icing during other unusual cooling conditions.
- Head Pressure Control Kit**
 This kit includes a solid state outdoor motor control, junction box, and wiring. It provides full capacity down to 0° F.
- Sump Heat Kits**
 Four sump heat kits are offered for low ambient operation.
- Lifting Lug Kit**
 Four reusable lugs in each kit allow units to be easily lifted to rooftop installations. These lugs snap (no screws required) into slots in the unit drip lip channel.
- High Static Motor Kit**
 Consists of a higher torque indoor fan motor.
- Start Kits**
 The kit mounts in the control box for those installations specific conditions such as excessive voltage drop due to long wires. (This is a capacitor and start relay kit not a PTC device.)

Selection Procedure





Features and Benefits

Optional Equipment

OPTIONAL EQUIPMENT FOR PACKAGED UNITS (check mark [✓] indicates accessories included)

Indoor Thermostats — XT300C Prog. Electronic Setback Manual. 1 Htg/1 Clg	TAYSTAT300C []
XT302C Prog. Auto. 2-Stage Htg/Clg w/ Econ.	TAYSTAT302C []
Heat/Cool (Horizontal) Man. 1 Htg/1Clg	AY28X092 []
Heat/Cool (Vertical) Man. 1Htg/1Clg	BAYSTAT305 []
Thermostat 1H/1C Sub-base Required (BAY28X184,187)	BAYSTAT182 []
Thermostat 2H/2C Sub-base Required (BAY28X184,187)	BAYSTAT183 []
Subbase Auto/Manual Changeover	BAYSTAT184 []
Subbase Manual Changeover	BAYSTAT187 []
Thermostat 1H/1C Manual Sub-base	BAYSTAT008 []
Thermostat 2H/2C Auto Sub-base	BAYSTAT010 []
Thermostat 1H/2C Manual Sub-base w/econ.	BAYSTAT012 []
Programmable Auto./Manual 1-Stage Htg/Clg	BAYSTAT036A []
Programmable Auto./Manual 2-Stage Htg/Clg	BAYSTAT037A []
Remote Indoor Sensor (use with BAYSTAT036A,037A)	BAYSTAT025A []
Outdoor Temperature Sensor (use with BAYSTAT036A,037A)	BAYSTAT024A []
Duct Temperature Sensor (use with BAYSTAT036A,037A)	BAYSTAT026A []
Retrofit Wall Cover Plate Kit (use with BAYSTAT036A,037A)	BAYMTPLO05A []
Locking Thermostat Cover (Thermostats)	BAY28X190 []
Anti-short Cycle Timer	BAYASCT001 []
Roof Curb (Flat Roof) Universal ③	BAYCURB030A []
Roof Curb (Flat Roof) Universal ③ Acusti-Curb	BAYCURB038A []
Roof Curb Full Perimeter (YCX036G-H,42G-M) ③ Acusti-Curb	BAYCURB033A []
Roof Curb Full Perimeter (YCX048-60G) ③ Acusti-Curb	BAYCURB034A []
Roof Curb Utility Extension Kit (BAYCURB030,038A)	BAYUTIL030A []
Roof Curb Utility Extension Kit (BAYCURB033A)	BAYUTIL033A []
Roof Curb Utility Extension Kit (BAYCURB034A)	BAYUTIL034A []
0-25% Manual Fresh Air Damper (YCX018-42G) ①	BAYDMPR040A []
0-25% Manual Fresh Air Damper (YCX048-60G) ①	BAYDMPR041A []
12" Round Duct Adapter (2 per box) (YCX018-42G)	BAYDUCT004A []
14" Round Duct Adapter (1 per box) (YCX018-42G)	BAYDUCT005A []
0-100% Mod Economizer w/Baro. Relief (YCX018-42G) ①②④	BAYECON054B []
0-100% Mod. Economizer w/Baro. Relief (YCX048-60G) ①②④	BAYECON055B []
0-100% Horizontal Economizer ①②	BAYECON073A []
Enthalpy Control for Economizer (solid state)	BAYENTH001A []
Remote Potentiometer (BAYECON054,055B,073A)	BAYSTAT023 []
Filter Frame (YCX030-036G-L/M,024G-M) (20 x 25 x 1) ①	BAYFLTR012A []
Filter Frame (YCX036G-H,042G-M) (20 x 25 x 1) ①	BAYFLTR013A []
Filter Frame (YCC048-060G) (3-10 x 25 x 1) ①	BAYFLTR014A []
Filter Frame (YCX024F-L) (20 x 20 x 1) ①	BAYFLTR015A []
Filter Frame (YCX030-036G-L/M,024G-M) (20 x 25 x 2) ①	BAYFLTR017A []
Filter Frame (YCX036G-H,042G-M) (20 x 25 x 2) ①	BAYFLTR018A []
Filter Frame (YCX048-060G) (2-16 x 25 x 2) ①	BAYFLTR019A []
Low Fire Kit (YCX018/024/030/036G-L)	BAYLOFR001 []
Low Fire Kit (YCX024G-M)	BAYLOFR002 []
Low Fire Kit (YCX030/036G-M)	BAYLOFR0003 []
Low Fire Kit (YCX036G-H-042G-M)	BAYLOFR004 []
Low Fire Kit (YCX048-060G)	BAYLOFR006 []
High Static Motor (YCX030-042G)(230v/460v)(3/4 HP)	BAYHSMT043A []
High Static Motor (YCX030-042G)(208v)(3/4 HP)	BAYHSMT056A []
High Static Motor (YCC048-060G)(230v/460v)(1 HP)	BAYHSMT044A []
High Static Motor (YCC048-060G)(208v)(1 HP)	BAYHSMT045A []
LP Conversion Kit	BAYLPKT022A []
Lifting Lug Kit	BAYLIFT002A []
Evaporator Defrost Control (Low Ambient Cooling) Kit ⑥	BAYLOAM011A []
Head Pressure Control (Low Ambient Cool) (208/240v) Kit ⑤⑥	BAYLOAM323A []
Low Ambient Motor (208/230v) ⑤	BAYMOTR307A []
Low Ambient Motor (460v) ⑤	BAYMOTR406A []
Quick Start Kit (YCX024G1)	BAYSKT010A []
Quick Start Kit (YCX030-60G1)	BAYSKT254A []
Crankcase Heater (YCX024G1L/M)(230v) ⑥	BAYCCHT003A []
Crankcase Heater (YCX030-048G1/3)(230v) ⑥	BAYCCHT202A []
Crankcase Heater (YCX060G1/3)(230v) ⑥	BAYCCHT203A []
Crankcase Heater (YCX036,048G4)(460v) ⑥	BAYCCHT400A []
Crankcase Heater (YCX060G4)(460v) ⑥	BAYCCHT401A []

Notes:

- ① Must use filter frame when economizer/fresh air kit is used.
- ② Dry bulb control standard with economizer.
- ③ Ships knocked down.

- ④ Downflow only.
- ⑤ Use Low Ambient Motor With This Kit.
- ⑥ Low Ambient cooling requires crankcase heater (BAYCCHT---A).



General Data

MODEL	YCX024G1L0A	YCX024G1M0A	YCX030G1L0A	YCX030G1M0A	YCX036G1L0A
RATED VOLTS/PH/HZ	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
RATINGS (COOLING) ①					
BTUH	24200	24000	30600	30600	37000
Indoor Airflow (CFM)	800	800	1000	1000	1200
Power Input (KW)	2.38	2.39	2.83	2.83	3.52
EER/SEER (BTU/Watt-Hr.)	10.25/12.00	10.3/12.00	10.90/12.05	10.90/12.05	10.45/12.05
Noise Rating No. ①	8.0	8.0	8.0	8.0	8.0
A.G.A. RATINGS (HEATING) ②					
(High) Input BTUH	48000	72000	48000	72000	50000
Capacity BTUH ⑤⑦	38000	57000	38000	56000	39000
AFUE	79%	79%	79%	79%	79%
Temp. Rise °F. (Min./Max.)	30-60	35-65	25-55	35-65	15-45
(Low) Input BTUH	38000	57000	38000	56000	40000
Capacity BTUH ⑤⑦	30000	46000	30000	44000	32000
AFUE	80%	80%	80%	80%	80%
Temp. Rise °F. (Min./Max.)	30-60	35-65	25-55	35-65	15-45
Type of Gas ③	NATURAL	NATURAL	NATURAL	NATURAL	NATURAL
POWER CONNS.—V/PH/HZ					
Min. Brch. Cir. Ampacity	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Br. Cir. Max. (Amps)	14.6	14.8	21.2	21.2	24.4
Prot. Rtg.—Min. (Amps)	20	20	30	30	40
COMPRESSOR					
No. Used	CLIMATUFF®	CLIMATUFF®	CLIMATUFF®	CLIMATUFF®	CLIMATUFF®
Volts/Ph/Hz	1	1	1	1	1
R.L. Amps—L.R. Amps	200-230/1/60	200-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
	9.1 - 62	9.3 - 62	13.4 - 72.5	13.4 - 72.5	16.0 - 90
OUTDOOR COIL—TYPE					
Rows / F.P.I.	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN
Face Area (Sq. Ft.)	3/15	3/15	3/15	2/15	3/15
Tube Size (in.)	5.43	6.34	6.34	6.34	6.34
	3/8 COPPER	3/8	3/8 COPPER	3/8 COPPER	3/8 COPPER
INDOOR COIL—TYPE					
Rows / F.P.I.	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN
Face Area (Sq. Ft.)	3/15	3/15	3/15	3/15	4/15
Tube Size (in.)	3.25	3.00	3.97	3.96	3.96
Refrigerant Control	3/8 COPPER	3/8	3/8 COPPER	3/8 COPPER	3/8
Drain Conn. Size (in.)	TXV-NB	TXV NO BLEED	CAPILLARY	CAPILLARY	CAPILLARY
Duct Connections	3/4" FEMALE NPT	3/4" FEMALE	3/4" FEMALE NPT	3/4" FEMALE NPT	3/4" FEMALE NPT
	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING
OUTDOOR FAN—TYPE					
No. Used / Dia. (in.)	PROPELLER	PROPELLER	PROPELLER	PROPELLER	PROPELLER
Type Drive / No. Speeds	1 / 18	1 / 18	1 / 18	1 / 18	1 / 18
No. Motors—HP	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1
Motor Speed R.P.M.	1 - 1/5	1 - 1/5	1 - 1/5	1 - 1/5	1 - 1/5
Volts/PH/HZ	1080	1080	1080	1080	1080
F.L. Amps—L.R. Amps	230/1/60	230/1/60	230/1/60	230/1/60	230/1/60
	1.6 - 3.3	1.6 - 3.3	1.6 - 3.3	1.6 - 3.3	1.6 - 3.3
INDOOR FAN—TYPE					
Dia. x Width (in.)	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
No. Used	9 X 9	9 X 9	10 X 9	10 X 9	10 X 9
Drive / Speeds (No.)	1	1	1	1	1
No. Motors—HP	DIRECT / 2	DIRECT / 2	DIRECT / 2	DIRECT / 2	DIRECT / 2
Motor Speed R.P.M.	1 - 1/4	1 - 1/4	1 - 1/3	1 - 1/3	1 - 1/3
Volts/PH/HZ	1080	1080	1080	1080	1080
F.L. Amps	200-230/1/60	200-230/1/60	200-230/1/60	200-230/1/60	200-230/1/60
	1.6/1.4 - 2.9	1.6/1.4 - 2.9	2.8/2.2 - 5.1	2.8/2.2 - 5.1	2.8/2.2 - 5.1
COMBUSTION FAN—TYPE					
Drive—Speeds (No.)	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Motor HP—Speed (RPM)	DIRECT-1	DIRECT - 1	DIRECT -1	DIRECT-1	DIRECT - 1
Volts/PH/HZ	1/35 - 3480	1/100 - 2920	1/35 - 3480	1/35 - 3480	1/35 - 3480
F.L. Amps	240/1/60	208-240/1/60	240/1/60	240/1/60	240/1/60
	0.5	0.17	0.5	0.5	0.5
FILTER—FURNISHED?					
Type Recommended	NO	NO	NO	NO	NO
Min Face Area-Lo (sq. ft.) ⑥	THROWAWAY	THROWAWAY	THROWAWAY	THROWAWAY	THROWAWAY
	2.67	2.67	3.33	3.33	4.0
REFRIGERANT					
Charge (lbs. of R-22) ④	6 LBS	7 LBS, 10 OZ	6 LBS, 10 OZ	6 LBS, 10 OZ	6 LBS, 13 OZ
GAS PIPE SIZE (IN.)					
	1/2"	1/2"	1/2"	1/2"	1/2"
DIMENSIONS					
Crated (in.)	H X W X D	H X W X D	H X W X D	H X W X D	H X W X D
Uncrated	31-1/4 X 38 X 57	35-1/4 X 38 X 57	35-1/4 X 38 X 57	35-1/4 X 38 X 57	35-1/4 X 38 X 57
	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING
WEIGHT					
Shipping (lbs.) / Net (lbs.)	380 / 340	397 / 357	396 / 356	403 / 363	412 / 372

*See unit nameplate for proper input adjustment

① Rated in accordance with A.R.I. Standard 210. Noise calculated in accordance with A.R.I. Standard 270. A.R.I. standard rating conditions are: 80 D.B. 67 W.B. entering air to indoor coil. 95 D.B. entering air to outdoor coil.

② All models are UL Listed. Ratings shown are for elevations up to 2000 ft. For higher elevations reduce ratings at a rate of 4% per 1000 ft. elevation.

③ Convertible to LPG.

④ This value is approximate. For more precise value, see Unit Nameplate.

⑤ Based on U.S. Government Standard Tests.

⑥ Filters must be installed in return air stream. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendation with a clean resistance of 0.05" W.C.

⑦ Unit is shipped on high input, unit is convertible to low input with a Low Fire accessory kit.



General Data

MODEL	YCX036G1M0A	YCX036G1H0A	YCX036G3L0A	YCX036G3M0A	YCX036G3H0A
RATED VOLTS/PH/HZ	208-230/1/60	208-230/1/60	208-230/3/60	208-230/3/60	208-230/3/60
RATINGS (COOLING) ①					
BTUH	37000	37000	36700	37000	37000
Indoor Airflow (CFM)	1200	1200	1200	1200	1200
Power Input (KW)	3.52	3.52	3.52	3.52	3.52
EER/SEER (BTU/Watt-Hr.)	10.45 / 12.05	10.45 / 12.05	10.45 / 12.05	10.45 / 12.05	10.45 / 12.05
Noise Rating No. ①	8.0	8.0	8.0	8.0	8.0
A.G.A. RATINGS (HEATING) ②					
(High) Input BTUH	72000	96000	50000	72000	96000
Capacity BTUH ⑤⑦	57000	76000	39000	57000	76000
AFUE	79%	79%	79%	79%	79%
Temp. Rise °F. (Min./Max.)	30-60	40-70	15-45	30-60	40-70
(Low) Input BTUH	60000	76000	40000	60000	76000
Capacity BTUH ⑤⑦	48000	60000	32000	48000	60000
AFUE	80%	80%	80%	80%	80%
Temp. Rise °F. (Min./Max.)	30-60	40-70	15-45	30-60	40-70
Type of Gas ③	NATURAL	NATURAL	NATURAL	NATURAL	NATURAL
POWER CONNS.—V/PH/HZ					
Min. Brch. Cir. Ampacity	24.4	24.4	17.4	17.4	17.4
Br. Cir. Max. (Amps)	40	40	25	25	25
Prot. Rtg.—Min. (Amps)	40	40	25	25	25
COMPRESSOR					
No. Used	CLIMATUFF® 1	CLIMATUFF® 1	CLIMATUFF® 1	CLIMATUFF® 1	CLIMATUFF® 1
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/3/60	208-230/1/60	208-230/3/60
R.L. Amps—L.R. Amps	16.0 - 90	16.0 - 90	10.4 - 88	10.4 - 88	10.4 - 88
OUTDOOR COIL—TYPE					
Rows / F.P.I.	PLATE FIN 3 / 15	PLATE FIN 3 / 15	PLATE FIN 3 / 15	PLATE FIN 3 / 15	PLATE FIN 3 / 15
Face Area (Sq. Ft.)	6.34	6.34	6.34	6.34	6.34
Tube Size (in.)	3/8 COPPER	3/8 COPPER	3/8 COPPER	3/8 COPPER	3/8 COPPER
INDOOR COIL—TYPE					
Rows / F.P.I.	PLATE FIN 4 / 15	PLATE FIN 4 / 15	PLATE FIN 4 / 15	PLATE FIN 4 / 15	PLATE FIN 4 / 15
Face Area (Sq. Ft.)	3.96	3.96	3.96	3.96	3.96
Tube Size (in.)	3/8	3/8	3/8	3/8	3/8
Refrigerant Control	CAPILLARY	CAPILLARY	CAPILLARY	CAPILLARY	CAPILLARY
Drain Conn. Size (in.)	3/4" FEMALE NPT	3/4" FEMALE NPT	3/4" FEMALE NPT	3/4" FEMALE NPT	3/4" FEMALE NPT
Duct Connections	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING
OUTDOOR FAN—TYPE					
No. Used / Dia. (in.)	PROPELLER 1 / 18	PROPELLER 1 / 18	PROPELLER 1 / 18	PROPELLER 1 / 18	PROPELLER 1 / 18
Type Drive / No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1
No. Motors—HP	1 - 1/5	1 - 1/5	1 - 1/5	1 - 1/5	1 - 1/5
Motor Speed R.P.M.	1080	1080	1080	1080	1080
Volts/PH/HZ	230/1/60	230/1/60	230/1/60	230/1/60	230/1/60
F.L. Amps—L.R. Amps	1.6 - 3.3	1.6 - 3.3	1.6 - 3.3	1.6 - 3.3	1.6 - 3.3
INDOOR FAN—TYPE					
Dia. x Width (in.)	CENTRIFUGAL 10 X 9	CENTRIFUGAL 10 X 9	CENTRIFUGAL 10 X 9	CENTRIFUGAL 10 X 9	CENTRIFUGAL 10 X 9
No. Used	1	1	1	1	1
Drive / Speeds (No.)	DIRECT / 2	DIRECT / 2	DIRECT / 2	DIRECT / 2	DIRECT / 2
No. Motors—HP	1 - 1/3	1 - 1/3	1 - 1/3	1 - 1/3	1 - 1/3
Motor Speed R.P.M.	1080	1080	1080	1080	1080
Volts/PH/HZ	200-230/1/60	200-230/1/60	200-230/1/60	200-230/1/60	200-230/1/60
F.L. Amps	2.8/2.2 - 5.1	2.8/2.2 - 5.1	2.8/2.2 - 5.1	2.8/2.2 - 5.1	2.8/2.2 - 5.1
COMBUSTION FAN—TYPE					
Drive—Speeds (No.)	CENTRIFUGAL DIRECT - 1	CENTRIFUGAL DIRECT - 1	CENTRIFUGAL DIRECT - 1	CENTRIFUGAL DIRECT - 1	CENTRIFUGAL DIRECT - 1
Motor HP—Speed (RPM)	1/35 - 3480	1/50 - 3030	1/35 - 3480	1/35 - 3480	1/50 - 3030
Volts/PH/HZ	240/1/60	208-240/1/60	240/1/60	240/1/60	208-240/1/60
F.L. Amps	0.5	0.4	0.5	0.5	0.4
FILTER—FURNISHED?					
Type Recommended	NO	NO	NO	NO	NO
Min Face Area-Lo (sq. ft.) ⑥	THROWAWAY 4.0	THROWAWAY 4.0	THROWAWAY 4.0	THROWAWAY 4.0	THROWAWAY 4.0
REFRIGERANT					
Charge (lbs. of R-22) ④	6 LBS, 13 OZ	6 LBS, 13 OZ	6 LBS, 13 OZ	6 LBS, 13 OZ	6 LBS, 13 OZ
GAS PIPE SIZE (IN.)					
	1/2"	1/2"	1/2"	1/2"	1/2"
DIMENSIONS					
Crated (in.)	H X W X D 35-1/4 X 38 X 57	H X W X D 35-1/4 X 38 X 64-5/8	H X W X D 35-1/4 X 38 X 57	H X W X D 35-1/4 X 38 X 57	H X W X D 35-1/4 X 38 X 64-5/8
Uncrated	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING
WEIGHT					
Shipping (lbs.) / Net (lbs.)	419 / 379	440 / 393	412 / 372	419 / 379	440 / 393

*See unit nameplate for proper input adjustment

① Rated in accordance with A.R.I. Standard 210. Noise calculated in accordance with A.R.I. Standard 270. A.R.I. standard rating conditions are: 80 D.B. 67 W.B. entering air to indoor coil. 95 D.B. entering air to outdoor coil.

② All models are UL Listed. Ratings shown are for elevations up to 2000 ft. For higher elevations reduce ratings at rate of 4% per 1000 ft. elevation.

③ Convertible to LPG.

④ This value is approximate. For more precise value, see Unit Nameplate.

⑤ Based on U.S. Government Standard Tests.

⑥ Filters must be installed in return air stream. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendation with a clean resistance of 0.05" W.C.

⑦ Unit is shipped on high input, unit is convertible to low input with a Low Fire accessory kit.



General Data

MODEL	YCX036G4H0A	YCX042G1M0A	YCX042G3M0A	YCX048G1H0A	YCX048G3H0A
RATED VOLTS/PH/Hz	460/3/60	208-230/1/60	208-230/3/60	208-230/1/60	208-230/3/60
RATINGS (COOLING) ①					
BTUH	37000	43000	43000	48000	48000
Indoor Airflow (CFM)	1200	1400	1400	1600	1600
Power Input (KW)	3.52	4.09	4.09	4.27	4.27
EER/SEER (BTU/Watt-Hr.)	10.45/12.05	10.55/12.05	10.55/12.05	11.45/12.50	11.45/12.50
Noise Rating No. ①	8.0	8.0	8.0	8.4	8.4
A.G.A. RATINGS (HEATING) ②					
(High) Input BTUH	96000	96000	96000	120000	120000
Capacity BTUH ⑤⑦	76000	76000	76000	95000	95000
AFUE	79%	79%	79%	79%	79%
Temp. Rise °F. (Min./Max.)	40-70	40-70	40-70	40-70	40-70
(Low) Input BTUH	76000	76000	76000	98000	98000
Capacity BTUH ⑤⑦	60000	60000	60000	78000	78000
AFUE	80%	80%	80%	80%	80%
Temp. Rise °F. (Min./Max.)	40-70	40-75	40-70	40-70	40-70
Type of Gas ③	NATURAL	NATURAL	NATURAL	NATURAL	NATURAL
POWER CONNS.—V/PH/Hz					
Min. Brch. Cir. Ampacity	460/3/60	208-230/1/60	208-230/3/60	208-230/1/60	208-230/3/60
Br. Cir. Max. (Amps)	10.0	26.8	19.9	31.9	24.5
Prot. Rtg.—Min. (Amps)	15	40	30	50	35
	15	40	30	50	35
COMPRESSOR					
No. Used	CLIMATUFF®	CLIMATUFF®	CLIMATUFF®	CLIMATUFF®	CLIMATUFF®
Volts/Ph/Hz	1	1	1	1	1
R.L. Amps—L.R. Amps	460/3/60	208-230/1/60	208-230/3/60	208-230/1/60	208-230/3/60
	5.5 - 39.0	17.9 - 104	12.4 - 88	18.3 - 109	12.4 - 88
OUTDOOR COIL—TYPE					
Rows / F.P.I.	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN
Face Area (Sq. Ft.)	3 / 15	2 / 15	2 / 15	3 / 15	3 / 15
Tube Size (in.)	6.34	11.35	11.35	9.2	9.2
	3/8 COPPER	3/8	3/8	3/8	3/8
INDOOR COIL—TYPE					
Rows / F.P.I.	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN
Face Area (Sq. Ft.)	4 / 15	4 / 15	4 / 15	3 / 15	3 / 15
Tube Size (in.)	3.96	3.97	3.97	5.4	5.4
Refrigerant Control	3/8	3/8	3/8	3/8	3/8
Drain Conn. Size (in.)	CAPILLARY	CAPILLARY	CAPILLARY	CAPILLARY	CAPILLARY
Duct Connections	3/4" FEMALE NPT	3/4" FEMALE	3/4" FEMALE	3/4" FEMALE	3/4" FEMALE
	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING
OUTDOOR FAN—TYPE					
No. Used / Dia. (in.)	PROPELLER	PROPELLER	PROPELLER	PROPELLER	PROPELLER
Type Drive / No. Speeds	1 / 18	1 / 18	1 / 18	1 / 22	1 / 22
No. Motors—HP	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1
Motor Speed R.P.M.	1 - 1/2	1 - 1/5	1 - 1/5	1 - 1/2	1 - 1/2
Volts/PH/Hz	1080	1080	1080	1080	1080
F.L. Amps—L.R. Amps	460/1/60	230/1/60	230/1/60	200-230/1/60	200-230/1/60
	1.5 - 3.8	1.6 - 3.3	1.6 - 3.3	3.3/3.9 - 8.5	3.3/3.9 - 8.5
INDOOR FAN—TYPE					
Dia. x Width (in.)	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
No. Used	10 X 9	10 X 9	10 X 9	11 X 11	11 X 11
Drive / Speeds (No.)	1	1	1	1	1
No. Motors—HP	DIRECT / 2	DIRECT / 2	DIRECT / 2	DIRECT / 2	DIRECT / 2
Motor Speed R.P.M.	1 - 1/3	1 - 1/3	1 - 1/3	1 - 1/2	1 - 1/2
Volts/PH/Hz	1080	1080	1080	840	840
F.L. Amps	460/1/60	200-230/1/60	200-230/1/60	200-230/1/60	200-230/1/60
	1.1 - 2.6	2.8/2.2 - 5.1	2.8/2.2 - 5.1	3.3 - 6.5	3.3 - 6.5
COMBUSTION FAN—TYPE					
Drive—Speeds (No.)	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Motor HP—Speed (RPM)	DIRECT - 1	DIRECT - 1	DIRECT - 1	DIRECT - 1	DIRECT - 1
Volts/PH/Hz	1/50 - 3030	1/50 - 3030	1/50 - 3030	1/50 - 3030	1/50 - 3030
F.L. Amps	208-240/1/60	208-240/1/60	208-240/1/60	208-240/1/60	208-240/1/60
	0.4	0.4	0.4	0.40	0.40
FILTER—FURNISHED?					
Type Recommended	NO	NO	NO	NO	NO
Min Face Area-Lo (sq. ft.) ⑥	THROWAWAY	THROWAWAY	THROWAWAY	THROWAWAY	THROWAWAY
	4.0	4.67	4.67	5.33	5.33
REFRIGERANT					
Charge (lbs. of R-22) ④	6 LBS, 13 OZ	8 LBS	8 LBS	10 LBS, 6 OZ	10 LBS, 6 OZ
GAS PIPE SIZE (IN.)					
	1/2"	1/2"	1/2"	1/2"	1/2"
DIMENSIONS					
Crated (in.)	H X W X D	H X W X D	H X W X D	H X W X D	H X W X D
Uncrated	35-1/4 X 38 X 64-5/8	35-1/4 X 38 X 64-5/8	35-1/4 X 38 X 64-5/8	39-3/8 X 47 X 66-1/4	39-3/8 X 47 X 66-1/4
	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING
WEIGHT					
Shipping (lbs.) / Net (lbs.)	440 / 393	454 / 407	454 / 407	582 / 515	582 / 515

*See unit nameplate for proper input adjustment

① Rated in accordance with A.R.I. Standard 210. Noise calculated in accordance with A.R.I. Standard 270. A.R.I. standard rating conditions are: 80 D.B. 67 W.B. entering air to indoor coil. 95 D.B. entering air to outdoor coil.

② All models are UL Listed. Ratings shown are for elevations up to 2000 ft. For higher elevations reduce ratings at a rate of 4% per 1000 ft. elevation.

③ Convertible to LPG.

④ This value is approximate. For more precise value, see Unit Nameplate.

⑤ Based on U.S. Government Standard Tests.

⑥ Filters must be installed in return air stream. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendation with a clean resistance of 0.05" W.C.

⑦ Unit is shipped on high input, unit is convertible to low input with a Low Fire accessory kit.



General Data

MODEL	YCX048G4H0A	YCX060G1M0A	YCX060G3M0A	YCX060G4M0A
RATED VOLTS/PH/Hz	460/3/60	208-230/1/60	208-230/3/60	460/3/60
RATINGS (COOLING) ①				
BTUH	48000	61500	61500	61500
Indoor Airflow (CFM)	1600	2000	2000	2000
Power Input (KW)	4.27	5.84	5.84	5.84
EER/SEER (BTU/Watt-Hr.)	11.45 / 12.50	10.55 / 12.05	10.55 / 12.05	10.55 / 12.05
Noise Rating No. ①	8.4	8.4	8.4	8.4
A.G.A. RATINGS (HEATING) ②				
(High) Input BTUH	120000	122000	122000	122000
Capacity BTUH ⑤⑦	95000	97000	97000	97000
AFUE	79%	79%	79%	79%
Temp. Rise °F. (Min./Max.)	40-70	30-60	30-60	30-60
(Low) Input BTUH	98000	100000	100000	100000
Capacity BTUH ⑤⑦	78000	80000	80000	80000
AFUE	80%	80%	80%	80%
Temp. Rise °F. (Min./Max.)	40-70	30-60	30-60	30-60
Type of Gas ③	NATURAL	NATURAL	NATURAL	NATURAL
POWER CONNS.—V/PH/Hz				
Min. Brch. Cir. Ampacity	460/3/60	208-230/1/60	208-230/3/60	460/3/60
Br. Cir. Max. (Amps)	15.4	45.0	30.6	15.1
Prot. Rtg.—Min. (Amps)	20	70	45	20
	20	70	45	20
COMPRESSOR				
No. Used	CLIMATUFF®	CLIMATUFF®	CLIMATUFF®	CLIMATUFF®
Volts/Ph/Hz	1	1	1	1
R.L. Amps—L.R. Amps	460/3/60	208-230/1/60	208-230/3/60	460/3/60
	9.3 - 44	28.8 - 169.0	17.3 - 123	9.0 - 62
OUTDOOR COIL—TYPE				
Rows / F.P.I.	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN
Face Area (Sq. Ft.)	3 / 15	2 / 22	2 / 22	2 / 22
Tube Size (in.)	9.2	15.0	15.0	15.0
	3/8	3/8	3/8	3/8
INDOOR COIL—TYPE				
Rows / F.P.I.	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN
Face Area (Sq. Ft.)	3 / 15	4 / 15	4 / 15	4 / 15
Tube Size (in.)	5.4	5.4	5.4	5.4
	3/8	3/8	3/8	3/8
Refrigerant Control	CAPILLARY	TXV-NB	TXV-NB	TXV-NB
Drain Conn. Size (in.)	3/4" FEMALE	3/4" FEMALE	3/4" FEMALE	3/4" FEMALE
Duct Connections	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING
OUTDOOR FAN—TYPE				
No. Used / Dia. (in.)	PROPELLER	PROPELLER	PROPELLER	PROPELLER
Type Drive / No. Speeds	1 / 22	1 / 22	1 / 22	1 / 22
No. Motors—HP	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1
Motor Speed R.P.M.	1 - 1/2	1 - 1/2	1 - 1/2	1 - 1/2
Volts/PH/Hz	1080	1080	1080	1080
F.L. Amps—L.R. Amps	460/1/60	200-230/1/60	200-230/1/60	460/1/60
	1.7 - 3.8	3.3/3.9 - 8.5	3.3/3.9 - 8.5	1.7 - 3.8
INDOOR FAN—TYPE				
Dia. x Width (in.)	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
No. Used	11 X 11	11 X 11	11 X 11	11 X 11
Drive / Speeds (No.)	1	1	1	1
No. Motors—HP	DIRECT / 2	DIRECT / 2	DIRECT / 2	DIRECT / 2
Motor Speed R.P.M.	1 - 1/2	1 - 3/4	1 - 3/4	1 - 3/4
Volts/PH/Hz	840	840	840	840
F.L. Amps	460/1/60	200-230/1/60	200-230/1/60	460/1/60
	1.6 - 2.9	5.0/4.3 - 9.7	5.0/4.3 - 9.7	2.1 - 4.8
COMBUSTION FAN—TYPE				
Drive—Speeds (No.)	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Motor HP—Speed (RPM)	DIRECT - 1	DIRECT - 1	DIRECT - 1	DIRECT - 1
Volts/PH/Hz	1/50 - 3030	1/50 - 3030	1/50 - 3030	1/50 - 3030
F.L. Amps	208-240/1/60	208-230/1/60	208-230/1/60	208-230/1/60
	0.60	0.4	0.4	0.4
FILTER—FURNISHED?				
Type Recommended	NO	NO	NO	NO
Min Face Area-Lo (sq. ft.) ⑥	THROWAWAY	THROWAWAY	THROWAWAY	THROWAWAY
	5.33	6.67	6.67	6.67
REFRIGERANT				
Charge (lbs. of R-22) ④	10 LBS, 6 OZ	10 LBS	10 LBS	10 LBS
GAS PIPE SIZE (IN.)				
	1/2"	1/2"	1/2"	1/2"
DIMENSIONS				
Crated (in.)	H X W X D	H X W X D	H X W X D	H X W X D
Uncrated	39-3/8 X 47 X 66-1/4	39-3/8 X 47 X 64-1/4	39-3/8 X 47 X 64-1/4	39-3/8 X 47 X 64-1/4
	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING
WEIGHT				
Shipping (lbs.) / Net (lbs.)	582 / 515	609 / 542	609 / 542	609 / 542

*See unit nameplate for proper input adjustment

① Rated in accordance with A.R.I. Standard 210. Noise calculated in accordance with A.R.I. Standard 270. A.R.I. standard rating conditions are: 80 D.B. 67 W.B. entering air to indoor coil. 95 D.B. entering air to outdoor coil.

② All models are UL Listed. Ratings shown are for elevations up to 2000 ft. For higher elevations reduce ratings at a rate of 4% per 1000 ft. elevation.

③ Convertible to LPG.

④ This value is approximate. For more precise value, see Unit Nameplate.

⑤ Based on U.S. Government Standard Tests.

⑥ Filters must be installed in return air stream. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendation with a clean resistance of 0.05" W.C.

⑦ Unit is shipped on high input, unit is convertible to low input with a Low Fire accessory kit.



Performance Data Cooling

YCX024G1L0A AT 800 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.				COMPR. KW	APP.DEW PT.	CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)			
			72	74	76	78						80
85	59	21.9	17.6	19.0	20.5	21.9*	22.5*	1.59	46.0	AIRFLOW	700	900
	63	23.7	14.8	16.3	17.7	19.2	20.6	1.63	49.8	TOTAL CAP.	X0.99	X1.02
	67	25.7	11.8	13.2	14.6	16.1	17.5	1.69	53.9	SENS. CAP.	X0.95	X1.06
	71	27.7	8.6	10.1	11.5	13.0	14.4	1.74	58.1	COMPR. KW	X0.99	X1.01
90	59	21.3	17.3	18.8	20.2	21.5*	22.0*	1.66	46.4	A.D.P.	-1.5	1.0
	63	23.1	14.6	16.0	17.4	18.9	20.3	1.71	50.2	VALUES AT ARI RATING CONDITIONS		
	67	24.9	11.5	12.9	14.4	15.8	17.3	1.76	54.4	TOTAL NET CAPACITY = 24200 BTUH		
	71	26.9	8.3	9.8	11.2	12.7	14.1	1.81	58.6	AIRFLOW = 800 CFM		
95	59	20.7	17.1	18.5	20.0	21.0*	21.6*	1.73	46.8	APP. DEW PT. = 54.8 DEG. F		
	63	22.4	14.3	15.7	17.2	18.6	20.1	1.78	50.7	COMPRESSOR POWER = 1827 WATTS		
	67	24.2	11.2	12.6	14.1	15.5	17.0	1.83	54.8	I.D. FAN POWER = 300 WATTS		
	71	26.0	8.0	9.5	10.9	12.4	13.8	1.88	59.0	O.D. FAN POWER = 250 WATTS		
100	59	20.2	16.8	18.3	19.7	20.6*	21.1*	1.80	47.2	S.E.E.R. = 12.00 BTUH/WATT		
	63	21.8	14.0	15.5	16.9	18.4	19.8	1.85	51.0	E.E.R. = 10.25 BTUH/WATT		
	67	23.5	10.9	12.4	13.8	15.3	16.7	1.90	55.2	* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)		
	71	25.3	7.8	9.2	10.6	12.1	13.5	1.95	59.4	TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL		
105	59	19.6	16.6	18.1	19.5	20.1*	20.6*	1.87	47.5	ALL TEMPERATURES IN DEGREES F.		
	63	21.2	13.8	15.2	16.7	18.1	19.6	1.92	51.4			
	67	22.8	10.7	12.1	13.6	15.0	16.5	1.97	55.6			
	71	24.5	7.5	8.9	10.4	11.8	13.3	2.03	59.9			
115	59	18.5	16.1	17.6	18.8*	19.2*	19.7*	2.02	48.2			
	63	20.0	13.3	14.7	16.2	17.6	19.1	2.07	52.2			
	67	21.5	10.2	11.6	13.1	14.5	15.9	2.12	56.4			
	71	23.0	7.0	8.4	9.9	11.3	12.8	2.17	60.7			

YCX024G1M0A AT 800 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.				COMPR. KW	APP.DEW PT.	CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)			
			72	74	76	78						80
85	59	21.6	16.9	18.3	19.7	21.1	22.0*	1.61	45.2	AIRFLOW	700	900
	63	23.4	14.3	15.6	17.0	18.4	19.8	1.65	49.0	TOTAL CAP.	X0.98	X1.01
	67	25.3	11.3	12.7	14.1	15.5	16.8	1.70	53.1	SENS. CAP.	X0.94	X1.05
	71	27.2	8.2	9.6	11.0	12.4	13.8	1.75	57.3	COMPR. KW	X0.99	X1.01
90	59	21.1	16.7	18.1	19.5	20.9	21.6*	1.68	45.5	A.D.P.	-1.4	1.1
	63	22.9	14.0	15.4	16.8	18.2	19.6	1.72	49.4	VALUES AT ARI RATING CONDITIONS		
	67	24.6	11.0	12.4	13.8	15.2	16.6	1.77	53.5	TOTAL NET CAPACITY = 24000 BTUH		
	71	26.5	8.0	9.4	10.8	12.2	13.5	1.83	57.7	AIRFLOW = 800 CFM		
95	59	20.7	16.5	17.9	19.3	20.7*	21.2*	1.75	45.9	APP. DEW PT. = 53.9 DEG. F		
	63	22.3	13.8	15.2	16.6	18.0	19.4	1.80	49.7	COMPRESSOR POWER = 1846 WATTS		
	67	24.0	10.8	12.2	13.6	15.0	16.4	1.85	53.9	I.D. FAN POWER = 300 WATTS		
	71	25.8	7.7	9.1	10.5	11.9	13.3	1.90	58.1	O.D. FAN POWER = 250 WATTS		
100	59	20.1	16.3	17.7	19.1	20.3*	20.8*	1.82	46.2	S.E.E.R. = 12.00 BTUH/WATT		
	63	21.7	13.5	14.9	16.3	17.7	19.1	1.87	50.1	E.E.R. = 10.35 BTUH/WATT		
	67	23.3	10.5	11.9	13.3	14.7	16.1	1.92	54.3	* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)		
	71	25.0	7.5	8.8	10.2	11.6	13.0	1.97	58.6	TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL		
105	59	19.5	16.0	17.4	18.8	19.8*	20.3*	1.90	46.6	ALL TEMPERATURES IN DEGREES F.		
	63	21.0	13.3	14.7	16.1	17.5	18.9	1.95	50.6			
	67	22.6	10.3	11.7	13.0	14.4	15.8	2.00	54.8			
	71	24.2	7.2	8.6	10.0	11.4	12.7	2.05	59.1			
115	59	18.4	15.6	16.9	18.3	18.9*	19.3*	2.05	47.4			
	63	19.7	12.8	14.2	15.6	17.0	18.4	2.10	51.4			
	67	21.1	9.7	11.1	12.5	13.9	15.3	2.15	55.6			
	71	22.6	6.6	8.0	9.4	10.8	12.2	2.20	59.9			

YCX030G—A AT 1000 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.				COMPR. KW	APP.DEW PT.	CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)			
			72	74	76	78						80
85	59	27.1	22.3	24.3	26.2	27.5*	28.1*	1.92	46.8	AIRFLOW	875	1100
	63	29.1	18.5	20.5	22.4	24.3	26.2	1.94	50.8	TOTAL CAP.	X0.98	X1.01
	67	31.2	14.4	16.3	18.2	20.1	22.1	1.96	55.1	SENS. CAP.	X0.94	X1.05
	71	33.4	10.1	12.1	14.0	15.9	17.8	1.98	59.4	COMPR. KW	X0.99	X1.00
90	59	26.8	22.2	24.1	26.1	27.2*	27.9*	2.03	47.0	A.D.P.	-1.4	0.9
	63	28.8	18.4	20.3	22.3	24.2	26.1	2.05	50.9	VALUES AT ARI RATING CONDITIONS		
	67	30.9	14.3	16.2	18.1	20.0	22.0	2.07	55.2	TOTAL NET CAPACITY = 30600 BTUH		
	71	33.1	10.0	12.0	13.9	15.8	17.7	2.09	59.5	AIRFLOW = 1000 CFM		
95	59	26.5	22.1	24.0	25.9	27.0*	27.7*	2.15	47.1	APP. DEW PT. = 55.3 DEG. F		
	63	28.5	18.3	20.2	22.1	24.1	26.0	2.17	51.0	COMPRESSOR POWER = 2189 WATTS		
	67	30.6	14.2	16.1	18.0	19.9	21.8	2.19	55.3	I.D. FAN POWER = 390 WATTS		
	71	32.8	9.9	11.8	13.8	15.7	17.6	2.21	59.6	O.D. FAN POWER = 250 WATTS		
100	59	25.9	21.8	23.8	25.7	26.5*	27.2*	2.29	47.4	S.E.E.R. = 12.05 BTUH/WATT		
	63	27.9	18.1	20.0	21.9	23.8	25.7	2.31	51.3	E.E.R. = 10.91 BTUH/WATT		
	67	30.0	13.9	15.8	17.8	19.7	21.6	2.33	55.6	* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)		
	71	32.1	9.7	11.6	13.5	15.5	17.4	2.35	59.9	TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL		
105	59	25.3	21.6	23.5	25.4*	26.0*	26.7*	2.43	47.7	ALL TEMPERATURES IN DEGREES F.		
	63	27.3	17.8	19.7	21.7	23.6	25.5	2.45	51.6			
	67	29.3	13.7	15.6	17.5	19.4	21.4	2.47	55.8			
	71	31.5	9.5	11.4	13.3	15.2	17.2	2.49	60.1			
115	59	24.1	21.1	23.0	24.5*	25.1*	25.7*	2.71	48.2			
	63	26.1	17.3	19.3	21.2	23.1	25.0	2.73	52.1			
	67	28.1	13.2	15.1	17.1	19.0	20.9	2.75	56.3			
	71	30.1	9.0	10.9	12.8	14.8	16.7	2.77	60.6			



Performance Data

Cooling

YCX036G—A AT 1200 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP.DEW PT.
			72	74	76	78	80		
85	59	33.1	26.9	29.2	31.4	33.4*	34.2*	2.41	46.4
	63	35.5	22.4	24.6	26.9	29.2	31.5	2.45	50.4
	67	38.0	17.4	19.7	21.9	24.2	26.5	2.48	54.7
	71	40.5	12.3	14.6	16.9	19.1	21.4	2.52	59.0
90	59	32.8	26.7	29.0	31.3	33.1*	33.8*	2.56	46.5
	63	35.1	22.2	24.5	26.7	29.0	31.3	2.60	50.5
	67	37.5	17.2	19.5	21.8	24.0	26.3	2.64	54.8
	71	40.0	12.1	14.4	16.7	19.0	21.2	2.68	59.2
95	59	32.4	26.6	28.8	31.1	32.8*	33.5*	2.71	46.7
	63	34.6	22.0	24.3	26.6	28.8	31.1	2.75	50.7
	67	37.0	17.0	19.3	21.6	23.8	26.1	2.80	55.0
	71	39.4	12.0	14.2	16.5	18.8	21.0	2.85	59.4
100	59	31.6	26.2	28.5	30.8	32.1*	32.9*	2.89	47.0
	63	33.8	21.7	24.0	26.2	28.5	30.8	2.94	51.0
	67	36.1	16.7	19.0	21.2	23.5	25.8	2.99	55.3
	71	38.5	11.6	13.9	16.2	18.4	20.7	3.04	59.7
105	59	30.8	25.9	28.2	30.5	31.5*	32.2*	3.06	47.3
	63	33.0	21.4	23.6	25.9	28.2	30.4	3.12	51.3
	67	35.2	16.4	18.6	20.9	23.2	25.4	3.17	55.6
	71	37.5	11.3	13.6	15.8	18.1	20.4	3.23	60.0
115	59	29.3	25.3	27.5	29.5*	30.2*	30.9*	3.41	47.9
	63	31.3	20.7	23.0	25.2	27.5	29.8	3.48	51.9
	67	33.4	15.7	18.0	20.2	22.5	24.8	3.55	56.3
	71	35.6	10.6	12.9	15.2	17.4	19.7	3.61	60.7

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1050	1200
TOTAL CAP.	X0.98	X1.00
SENS. CAP.	X0.94	X1.00
COMPR. KW	X0.99	X1.00
A.D.P.	-1.4	0.0

VALUES AT ARI RATING CONDITIONS

TOTAL NET CAPACITY = 37000 BTUH

AIRFLOW = 1200 CFM
 APP. DEW PT. = 55.0 DEG. F
 COMPRESSOR POWER = 2799 WATTS
 I.D. FAN POWER = 475 WATTS
 O.D. FAN POWER = 250 WATTS
 S.E.E.R. = 12.05 BTUH/WATT
 E.E.R. = 10.45 BTUH/WATT

* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)

TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES F.

YCX042G—A AT 1400 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP.DEW PT.
			72	74	76	78	80		
85	59	38.3	31.2	33.8	36.4	38.7*	39.5*	2.80	46.4
	63	41.1	25.9	28.6	31.2	33.8	36.4	2.84	50.4
	67	44.0	20.2	22.8	25.4	28.1	30.7	2.88	54.7
	71	47.0	14.4	17.0	19.6	22.2	24.8	2.92	59.0
90	59	37.9	31.0	33.6	36.2	38.3*	39.2*	2.98	46.6
	63	40.7	25.8	28.4	31.0	33.6	36.3	3.02	50.6
	67	43.5	20.0	22.6	25.3	27.9	30.5	3.07	54.8
	71	46.4	14.2	16.8	19.4	22.0	24.7	3.11	59.2
95	59	37.5	30.8	33.4	36.1	38.0*	38.9*	3.16	46.7
	63	40.2	25.6	28.2	30.8	33.4	36.1	3.21	50.7
	67	43.0	19.8	22.4	25.1	27.7	30.3	3.26	55.0
	71	45.9	14.0	16.6	19.2	21.8	24.5	3.31	59.4
100	59	36.6	30.4	33.0	35.7	37.2*	38.1*	3.37	47.1
	63	39.2	25.2	27.8	30.4	33.0	35.7	3.42	51.0
	67	41.9	19.4	22.0	24.7	27.3	29.9	3.48	55.3
	71	44.7	13.6	16.2	18.8	21.4	24.1	3.53	59.7
105	59	35.7	30.0	32.7	35.3	36.5*	37.3*	3.58	47.4
	63	38.2	24.8	27.4	30.0	32.6	35.3	3.63	51.4
	67	40.9	19.0	21.6	24.3	26.9	29.5	3.69	55.7
	71	43.6	13.2	15.8	18.4	21.0	23.7	3.75	60.0
115	59	33.8	29.2	31.9	34.1*	34.9*	35.7*	3.99	48.0
	63	36.2	24.0	26.6	29.2	31.9	34.5	4.06	52.0
	67	38.7	18.2	20.8	23.5	26.1	28.7	4.13	56.3
	71	41.3	12.4	15.0	17.6	20.2	22.9	4.21	60.7

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1225	1575
TOTAL CAP.	X0.98	X1.01
SENS. CAP.	X0.94	X1.05
COMPR. KW	X0.99	X1.01
A.D.P.	-1.4	1.1

VALUES AT ARI RATING CONDITIONS

TOTAL NET CAPACITY = 43000 BTUH

AIRFLOW = 1400 CFM
 APP. DEW PT. = 55.0 DEG. F
 COMPRESSOR POWER = 3257 WATTS
 I.D. FAN POWER = 580 WATTS
 O.D. FAN POWER = 250 WATTS
 S.E.E.R. = 12.05 BTUH/WATT
 E.E.R. = 10.55 BTUH/WATT

* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)

TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES F.

YCX048G—A AT 1600 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP.DEW PT.
			72	74	76	78	80		
85	59	42.0	34.9	37.8	40.7	42.5*	43.6*	2.79	47.1
	63	45.0	29.2	32.1	35.0	37.8	40.7	2.82	51.0
	67	48.2	22.9	25.8	28.6	31.5	34.4	2.85	55.2
	71	51.5	16.4	19.3	22.2	25.1	27.9	2.88	59.5
90	59	41.9	34.9	37.8	40.7	42.5*	43.5*	2.97	47.1
	63	44.9	29.2	32.1	34.9	37.8	40.7	3.00	51.0
	67	48.1	22.8	25.7	28.6	31.5	34.4	3.03	55.3
	71	51.4	16.4	19.3	22.1	25.0	27.9	3.06	59.6
95	59	41.8	34.9	37.7	40.6	42.4*	43.4*	3.14	47.1
	63	44.8	29.1	32.0	34.9	37.8	40.6	3.18	51.1
	67	48.0	22.8	25.7	28.6	31.4	34.3	3.22	55.3
	71	51.3	16.4	19.2	22.1	25.0	27.9	3.25	59.6
100	59	41.1	34.5	37.4	40.3	41.9*	42.8*	3.35	47.4
	63	44.1	28.8	31.7	34.6	37.5	40.3	3.39	51.3
	67	47.2	22.5	25.4	28.2	31.1	34.0	3.43	55.6
	71	50.4	16.0	18.9	21.8	24.7	27.6	3.48	59.9
105	59	40.4	34.2	37.1	40.0	41.3*	42.2*	3.56	47.6
	63	43.3	28.5	31.4	34.3	37.1	40.0	3.61	51.6
	67	46.4	22.2	25.0	27.9	30.8	33.7	3.65	55.8
	71	49.5	15.7	18.6	21.5	24.4	27.2	3.70	60.1
115	59	38.9	33.6	36.5	39.1*	40.1*	41.0*	3.97	48.1
	63	41.8	27.9	30.7	33.6	36.5	39.4	4.03	52.1
	67	44.7	21.5	24.4	27.3	30.2	33.1	4.09	56.3
	71	47.8	15.1	18.0	20.9	23.7	26.6	4.15	60.6

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1400	1800
TOTAL CAP.	X0.98	X1.01
SENS. CAP.	X0.95	X1.05
COMPR. KW	X0.99	X1.01
A.D.P.	-1.5	1.2

VALUES AT ARI RATING CONDITIONS

TOTAL NET CAPACITY = 48000 BTUH

AIRFLOW = 1600 CFM
 APP. DEW PT. = 55.3 DEG. F
 COMPRESSOR POWER = 3215 WATTS
 I.D. FAN POWER = 550 WATTS
 O.D. FAN POWER = 500 WATTS
 S.E.E.R. = 12.50 BTUH/WATT
 E.E.R. = 11.45 BTUH/WATT

* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)

TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES F.



Performance Data Cooling

YCX060G—A AT 2000 CFM (CAPACITIES ARE NET IN BTUH/1000-INDOOR FAN HEAT DEDUCTED)

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP.DEW PT.	CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)		
			72	74	76	78	80					
85	59	55.7	45.0	48.8	52.6	56.1*	57.4*	3.84	46.3	AIRFLOW 1750 2250 TOTAL CAP. X0.98 X1.01 SENS. CAP. X0.94 X1.05 COMPR. KW X1.00 X1.00 A.D.P. -1.4 1.2		
	63	59.8	37.6	41.4	45.1	48.9	52.6	3.88	50.2			
	67	64.2	29.4	33.2	36.9	40.7	44.4	3.92	54.5			
	71	68.7	21.0	24.8	28.6	32.3	36.1	3.96	58.8			
90	59	54.6	44.6	48.3	52.1	55.2*	56.4*	4.07	46.6	VALUES AT ARI RATING CONDITIONS TOTAL NET CAPACITY = 61500 BTUH AIRFLOW = 2000 CFM APP. DEW PT. = 55.1 DEG. F COMPRESSOR POWER = 4388 WATTS I.D. FAN POWER = 950 WATTS O.D. FAN POWER = 500 WATTS S.E.E.R. = 12.05 BTUH/WATT E.E.R. = 10.55 BTUH/WATT * DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY) TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL ALL TEMPERATURES IN DEGREES F.		
	63	58.6	37.1	40.9	44.6	48.4	52.1	4.11	50.5			
	67	62.8	28.9	32.6	36.4	40.2	43.9	4.15	54.8			
	71	67.2	20.5	24.3	28.0	31.8	35.6	4.20	59.1			
95	59	53.5	44.1	47.8	51.6	54.2*	55.5*	4.29	46.9			
	63	57.4	36.6	40.3	44.1	47.9	51.6	4.34	50.8			
	67	61.5	28.4	32.1	35.9	39.6	43.4	4.39	55.1			
	71	65.7	20.0	23.7	27.5	31.3	35.0	4.44	59.4			
100	59	52.2	43.5	47.3	51.0	53.2*	54.4*	4.56	47.2			
	63	56.0	36.0	39.8	43.5	47.3	51.1	4.62	51.2			
	67	60.0	27.8	31.5	35.3	39.1	42.8	4.67	55.4			
	71	64.1	19.4	23.2	26.9	30.7	34.4	4.73	59.8			
105	59	50.9	43.0	46.7	50.5	52.1*	53.3*	4.83	47.5			
	63	54.6	35.4	39.2	43.0	46.7	50.5	4.89	51.5			
	67	58.5	27.2	31.0	34.7	38.5	42.2	4.95	55.8			
	71	62.4	18.8	22.6	26.3	30.1	33.9	5.02	60.1			
115	59	48.4	41.9	45.6	48.8*	49.9*	51.1*	5.37	48.1			
	63	51.8	34.3	38.1	41.8	45.6	49.4	5.44	52.1			
	67	55.4	26.0	29.8	33.6	37.3	41.1	5.52	56.4			
	71	59.1	17.6	21.4	25.2	28.9	32.7	5.60	60.8			

Performance Data Indoor Fan

TEMPERATURE RISE F - 80% S.S. EFFICIENCY 300 - 500 CFM/TON

CFM	YCPYX024*L 2.0 TONS 800 CFM NOM		YCPYX024*M 2.0 TONS 800 CFM NOM		YCPYX030*L 2.5 TONS 1000 CFM NOM		YCPYX030*M 2.5 TONS 1000 CFM NOM		YCPYX036*L 3.0 TONS 1200 CFM NOM		YCPYX036*M 3.0 TONS 1200 CFM NOM		YCPYX042*H 3.0 TONS 1200 CFM NOM		YCPYX042*M 3.5 TONS 1400 CFM NOM		YCPYX048*H 4.0 TONS 1600 CFM NOM		YCPYX060*M 5.0 TONS 2000 CFM NOM	
	HTG - INPUT 38000 48000	HTG - INPUT 57000 72000	HTG - INPUT 38000 48000	HTG - INPUT 57000 72000	HTG - INPUT 38000 48000	HTG - INPUT 57000 72000	HTG - INPUT 40000 50000	HTG - INPUT 60000 72000	HTG - INPUT 76000 96000	HTG - INPUT 76000 96000	HTG - INPUT 98000 120000	HTG - INPUT 100000 122000								
700	40.2	50.8	60.3	-	40.2	50.8	59.3	-	42.3	-	63.5	-	-	-	-	-	-	-	-	-
800	35.2	44.4	52.8	66.7	35.2	44.4	51.9	66.7	37.0	46.3	55.6	66.7	70.4	-	70.4	-	-	-	-	-
875	32.2	40.6	48.3	61.0	32.2	40.6	47.4	61.0	33.9	42.3	50.8	61.0	64.3	-	64.3	-	-	-	-	-
900	31.3	39.5	46.9	59.3	31.3	39.5	46.1	59.3	32.9	41.2	49.4	59.3	62.6	-	62.6	-	-	-	-	-
1000	28.1	35.6	42.2	53.3	28.1	35.6	41.5	53.3	29.6	37.0	44.4	53.3	56.3	71.1	56.3	71.1	72.6	-	-	-
1050	-	33.9	40.2	50.8	26.8	33.9	39.5	50.8	28.2	35.3	42.3	50.8	53.6	67.7	53.6	67.7	69.1	-	-	-
1125	-	31.6	37.5	47.4	25.0	31.6	36.9	47.4	26.3	32.9	39.5	47.4	50.0	63.2	50.0	63.2	64.5	-	-	-
1200	-	29.6	35.2	44.4	23.5	29.6	34.6	44.4	24.7	30.9	37.0	44.4	46.9	59.3	46.9	59.3	60.5	-	-	61.7
1225	-	29.0	34.5	43.5	-	29.0	-	43.5	24.2	30.2	36.3	43.5	46.0	58.0	46.0	58.0	59.3	72.6	-	60.5
1350	-	-	-	39.5	-	26.3	-	39.5	21.9	27.4	32.9	39.5	41.7	52.7	41.7	52.7	53.8	65.8	-	54.9
1400	-	-	-	38.1	-	25.4	-	38.1	21.2	26.5	31.7	38.1	40.2	50.8	40.2	50.8	51.9	63.5	-	52.9 64.6
1575	-	-	-	33.9	-	22.6	-	33.9	18.8	23.5	28.2	33.9	35.7	45.1	-	45.1	46.1	56.4	-	47.0 57.4
1600	-	-	-	-	-	-	-	-	18.5	23.1	-	33.3	-	44.4	-	44.4	45.4	55.6	-	46.3 56.5
1750	-	-	-	-	-	-	-	-	16.9	21.2	-	30.5	-	40.6	-	40.6	41.5	50.8	-	42.3 51.6
1800	-	-	-	-	-	-	-	-	16.5	20.6	-	29.6	-	39.5	-	39.5	40.3	49.4	-	41.2 50.2
2000	-	-	-	-	-	-	-	-	14.8	18.5	-	-	-	-	-	-	36.3	44.4	-	37.0 45.2
2250	-	-	-	-	-	-	-	-	-	16.5	-	-	-	-	-	-	-	39.5	-	32.9 40.2
∞	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
∞	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BASED ON TR = $\frac{\text{BTU} (.80)}{1.08 \text{ CFM}}$

NOTE: TEMPERATURE RISE OUTSIDE OF DARKENED BORDER IS NOT WITHIN RECOMMENDED NAMEPLATE OPERATING SPECIFICATIONS.



Performance Data Indoor Fan

INDOOR BLOWER PERFORMANCE
YCX024G TCX024G

AIRFLOW CFM ③	HIGH SPEED ①			LOW SPEED		
	PRESS. IN.W.G.	PWR. WATTS	BHP	PRESS. IN.W.G.	PWR. WATTS	BHP
600	0.67	242	0.19	0.53	190	0.15
625	0.66	247	0.20	0.49	194	0.16
650	0.64	252	0.20	0.46	198	0.16
675	0.62	256	0.20	0.42	202	0.16
700	0.6	261	0.21	0.38	206	0.16
725	0.59	266	0.21	0.33	211	0.17
750	0.57	270	0.22	0.26	216	0.17
775	0.55	275	0.22			
800	0.53	280	0.22			
825	0.51	285	0.23			
850	0.49	290	0.23			
875	0.48	295	0.24			
② 900	0.46	301	0.24			
925	0.44	306	0.24			
950	0.41	312	0.25			
975	0.39	317	0.25			
1000	0.37	323	0.26			

① FACTORY SETTING AT HI SPEED
② WATER BLOW-OFF LIMIT
③ WET COIL, NO FILTER.

A730239

INDOOR BLOWER PERFORMANCE
YCX030G TCX030G

AIRFLOW CFM ②	HIGH SPEED			LOW SPEED ①		
	PRESS. IN.W.G.	PWR. WATTS	BHP	PRESS. IN.W.G.	PWR. WATTS	BHP
750	0.79	378	0.30	0.7	355	0.28
800	0.76	385	0.31	0.66	363	0.29
850	0.72	392	0.31	0.62	371	0.30
900	0.69	399	0.32	0.58	380	0.30
950	0.65	407	0.33	0.53	390	0.31
1000	0.61	415	0.33	0.48	400	0.32
1050	0.58	423	0.34	0.43	410	0.33
1100	0.54	432	0.35	0.37	422	0.34
1150	0.5	441	0.35	0.31	435	0.35
1200	0.45	450	0.36	0.25	449	0.36
1250	0.41	460	0.37	0.17	464	0.37

① FACTORY SETTING AT LOW SPEED
② WET COIL, NO FILTER.

A730241 REV 2

INDOOR BLOWER PERFORMANCE
YCX036G TCX036G

AIRFLOW CFM ③	HIGH SPEED ①			LOW SPEED		
	PRESS. IN.W.G.	PWR. WATTS	BHP	PRESS. IN.W.G.	PWR. WATTS	BHP
900	0.84	385	0.29	0.62	377	0.29
950	0.8	416	0.30	0.56	388	0.31
1000	0.76	430	0.31	0.49	400	0.32
1050	0.72	440	0.32	0.4	413	0.33
1100	0.68	451	0.34	0.29	427	0.35
1150	0.63	463	0.35	0.15	439	0.37
1200	0.58	474	0.36			
1250	0.52	486	0.37			
1300	0.46	497	0.38			
② 1350	0.38	509	0.40			
1400	0.3	520	0.41			
1450	0.19	531	0.42			
1500	0.07	542	0.43			

① FACTORY SETTING AT HI SPEED
② WATER BLOW-OFF LIMIT
③ WET COIL, NO FILTER, NO HEATER.
SEE PRESSURE DROP TABLES FOR INSTALLED ELECTRIC HEATER.

667772

INDOOR BLOWER PERFORMANCE
YCX042G TCX042G

AIRFLOW CFM ③	HIGH SPEED ①			LOW SPEED		
	PRESS. IN.W.G.	PWR. WATTS	BHP	PRESS. IN.W.G.	PWR. WATTS	BHP
1000	0.71	466	0.37	.48	400	.32
1050	0.69	474	0.38	.43	410	.33
1100	0.66	484	0.39	.37	422	.34
1150	0.62	493	0.39	.31	435	.35
1200	0.59	504	0.40	.25	449	.36
1250	0.55	515	0.41	.17	459	.37
1300	0.51	527	0.42			
1350	0.46	540	0.43			
1400	0.40	557	0.45			
1450	0.31	580	0.46			
② 1500	0.13	618	0.50			

① FACTORY SETTING AT HI SPEED.
② WATER BLOW-OFF LIMIT.
③ WET COIL, NO FILTER.

730859

INDOOR BLOWER PERFORMANCE
YCX048G-H TCX048G

AIRFLOW CFM ②	HIGH SPEED ①			LOW SPEED		
	PRESS. IN.W.G.	PWR. WATTS	BHP	PRESS. IN.W.G.	PWR. WATTS	BHP
1000	-	-	-	0.60	292	.076
1050	-	-	-	0.55	308	.080
1100	-	-	-	0.50	325	.084
1150	-	-	-	0.45	341	.088
1200	-	-	-	0.40	352	.091
1250	-	-	-	0.35	366	.095
1300	-	-	-	0.30	379	.098
1350	-	-	-	0.20	402	.104
1400	0.53	499	.392	-	-	-
1450	0.50	510	.401	-	-	-
1500	0.47	517	.407	-	-	-
1550	0.43	529	.416	-	-	-
1600	0.40	540	.425	-	-	-
1650	0.35	553	.435	-	-	-
1700	0.30	560	.441	-	-	-
1750	0.25	569	.448	-	-	-
1800	0.20	579	.456	-	-	-

① FACTORY SETTING AT HI SPEED
② WET COIL, NO FILTER.

A664383 REV. 1

INDOOR BLOWER PERFORMANCE
YCX060G TCX060G

AIRFLOW CFM ②	HIGH SPEED			① LOW SPEED		
	PRESS. IN.W.G.	PWR. WATTS	BHP	PRESS. IN.W.G.	PWR. WATTS	BHP
1600	0.92	778	.652	0.70	684	.498
1650	0.87	793	.664	0.64	703	.499
1700	0.83	809	.676	0.57	724	.497
1750	0.78	825	.688	0.49	748	.488
1800	0.73	841	.701	0.39	776	.468
1850	0.68	857	.714	0.30	816	.441
1900	0.63	874	.727	0.22	866	.405
1950	0.57	891	.741			
2000	0.51	909	.756			
2050	0.45	927	.772			
2100	0.38	946	.788			
2150	0.31	966	.806			
③ 2200	0.24	987	.825			

① FACTORY SETTING AT HIGH SPEED
② WET COIL, NO FILTER.
③ WATER BLOW-OFF LIMIT

730904



Performance Data Indoor Fan

INDOOR FAN PERFORMANCE

HI-STATIC MOTOR ACCESSORY
BAYHSMT043A (230/460V)
BAYHSMT056A (208V)

YCX036G-L
TCX030G-L

AIRFLOW CFM ②	PRESS IN. W. G.	PWR WATTS	BHP
900	1.82	724	.57
950	1.73	744	.59
1000	1.64	764	.60
1050	1.54	785	.62
1100	1.43	805	.64
1150	1.33	826	.65
1200	1.21	847	.67
1250	1.09	869	.69
1300	.97	891	.70
① 1350	.83	913	.72
1400	.68	937	.74
1450	.51	961	.76
1500	.32	986	.78

- ① WATER BLOW-OFF LIMIT
- ② WET COIL, NO FILTER

730912

INDOOR FAN PERFORMANCE

HI-STATIC MOTOR ACCESSORY
BAYHSMT043A (230/460V)
BAYHSMT056A (208V)

YCX030G-M
YCX036G-M,H
YCX042G-M

AIRFLOW CFM ②	PRESS IN. W. G.	PWR WATTS	BHP
1000	1.69	815	.64
1050	1.6	836	.66
1100	1.5	857	.68
1150	1.4	878	.70
1200	1.3	901	.71
1250	1.18	924	.73
1300	1.07	947	.75
1350	.93	971	.77
1400	.77	1000	.79
1450	.57	1034	.82
① 1500	.26	1083	.86

- ① WATER BLOW-OFF LIMIT
- ② WET COIL, NO FILTER

730915

INDOOR BLOWER PERFORMANCE

HI-STATIC MOTOR ACCESSORY
BAYHSMT044A (230V/460V)
BAYHSMT045A (208V)

YCX048G-H
YCX060G-M

AIRFLOW CFM ②	PRESS IN. W. G.	PWR WATTS	BHP
1600	1.89	1620	1.21
1650	1.80	1630	1.22
1700	1.70	1640	1.23
1750	1.61	1650	1.24
1800	1.51	1660	1.25
1850	1.39	1675	1.26
1900	1.29	1685	1.26
1950	1.18	1695	1.27
2000	1.05	1710	1.28
2050	.93	1725	1.29
2100	.80	1735	1.30
2150	.65	1750	1.31
① 2200	.51	1765	1.32

- ① WATER BLOW-OFF LIMIT
- ② WET COIL, NO FILTER

730923

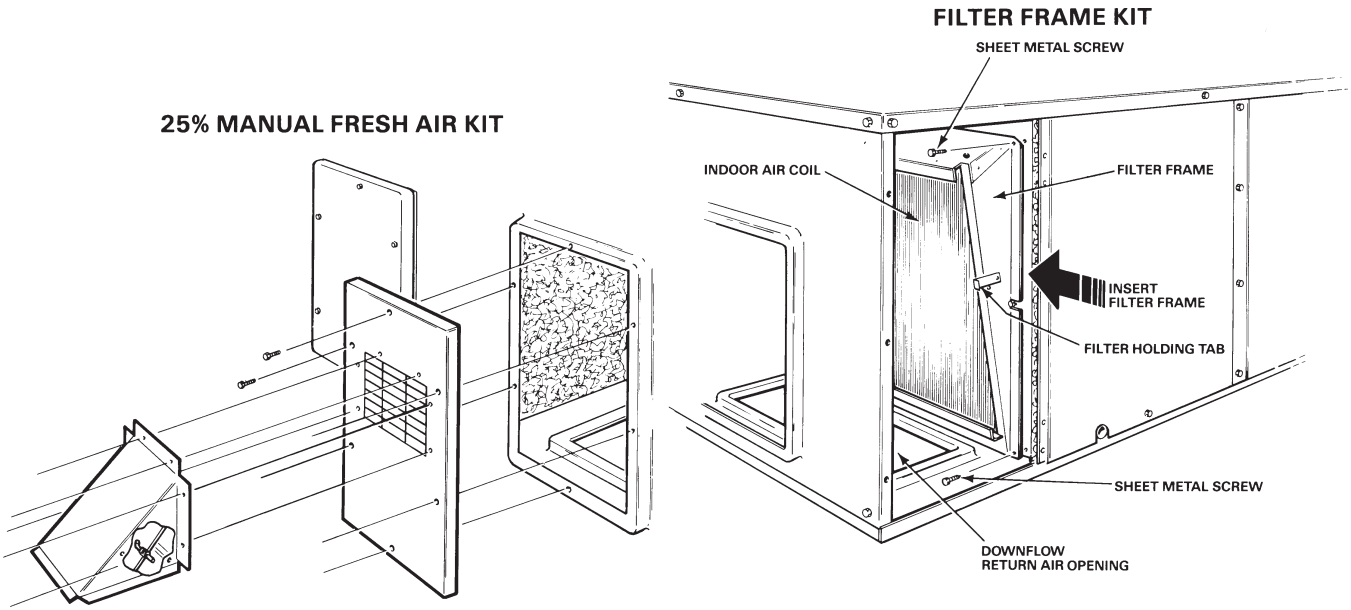
Performance Data Pressure Drop

Economizer Pressure Drop — (Return Air Restriction 0% Outdoor Air)

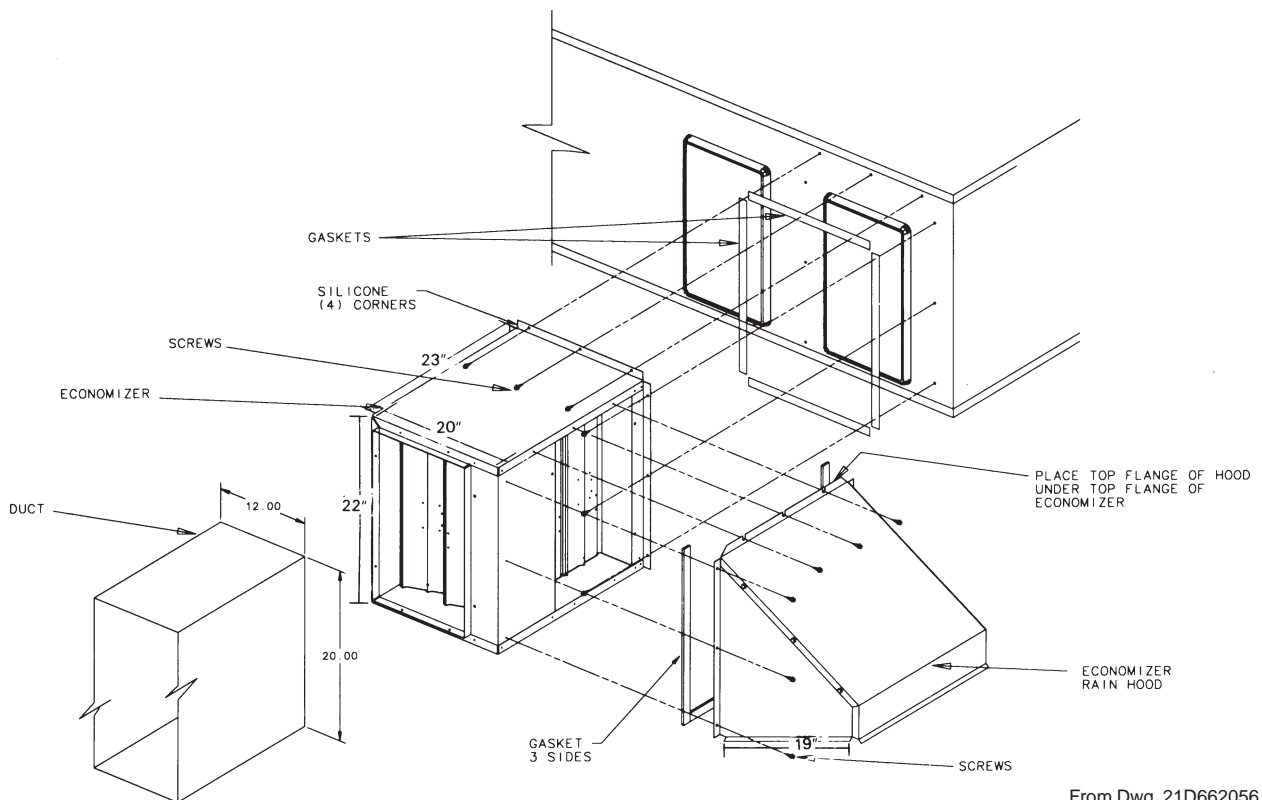
AIRFLOW (CFM)	BAYECON054B (in. H ₂ O)	BAYECON055B in. (H ₂ O)	BAYECON073A (in. H ₂ O)
600	.010		.010
800	.020		.015
1000	.050		.020
1200	.090	.040	.025
1400	.140	.050	.030
1600		.075	.035
1800		.100	.045
2000		.130	.055
2200		.150	.075
2400		.190	.100

From Dwg. 21A730983 Rev. 1

Optional Equipment



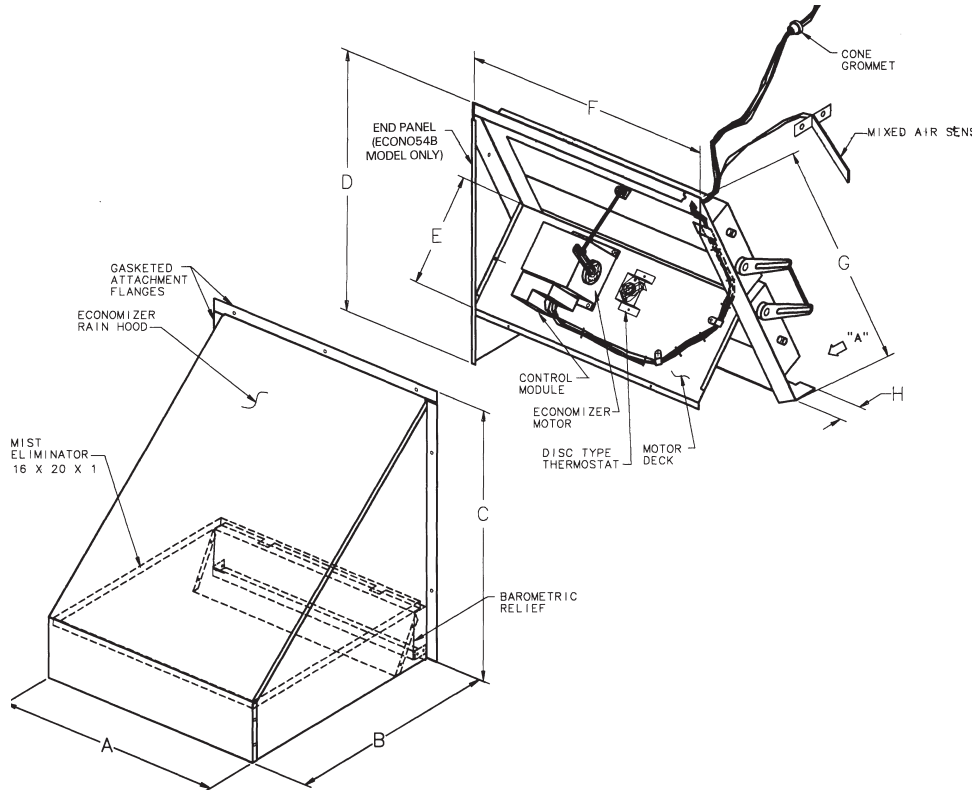
Horizontal Economizer and Rain Hood



From Dwg. 21D662056 Rev. 0

Optional Equipment

Economizer and Rain Hood (Downflow Applications)



ECONOMIZER MODEL	APPLICATION MODELS	A	B	C	D	E	F	G	H
BAYECON054B	YCX024-042G	20	16-5/8	23-1/2	22-9/16	8-5/8	22-1/4	25-1/8	1-1/2
BAYECON055B	YCX048-060G	20	21	26	OMIT	12-1/8	26-1/8	32-1/8	1-3/4

From Dwg. 21D662389 Rev.1

Controls

Field Installed Control Options

Thermostats

Two stages heating/cooling or one stage heating/cooling thermostats are available in either manual or automatic changeover.

Programmable Electronic Night Setback Thermostat

Heating setback and cooling setup with 7-day, 5-1-1 programming capability. Available in 2 heating/cooling or 1 heating/cooling versions with automatic changeover.

Economizer Controls

The standard equipment offering is a fixed dry bulb changeover control. In addition to the standard offering, there are two other field installed control accessories.

Enthalpy Control

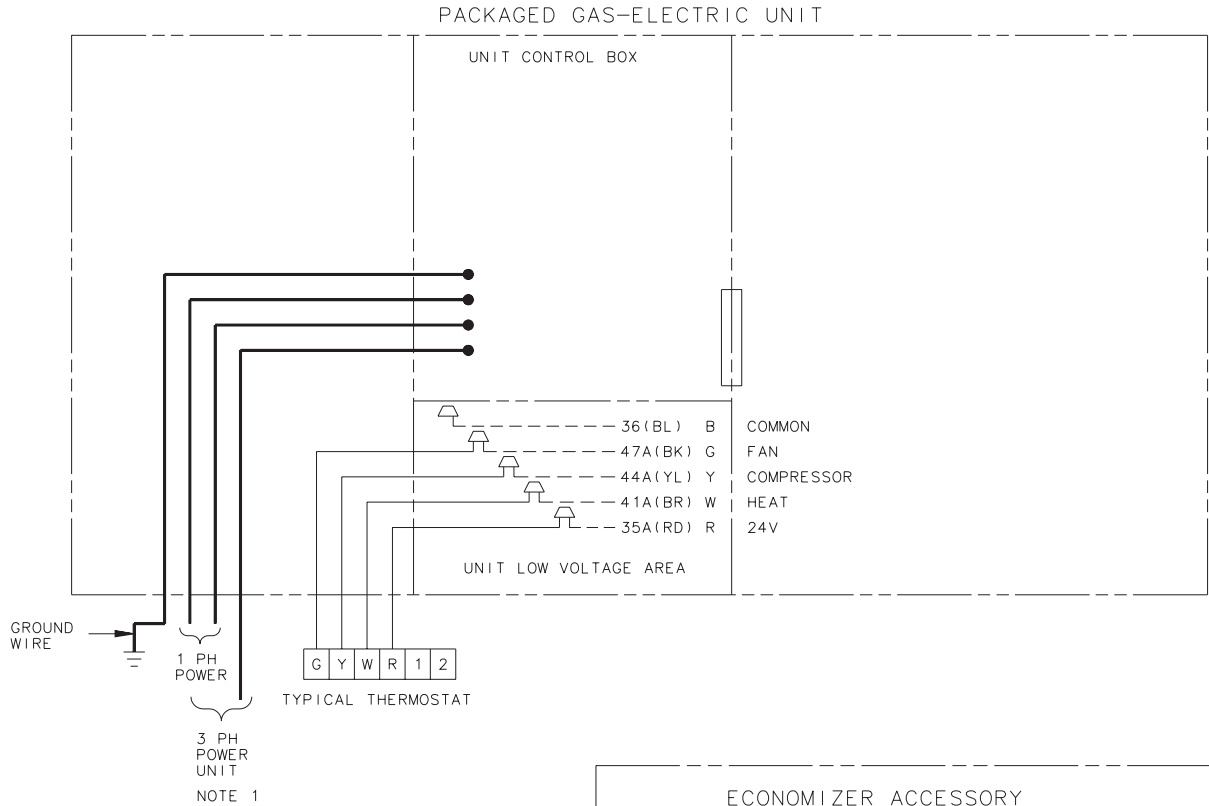
Replaces the dry bulb control with a solid state dry bulb and wet bulb changeover controller which has a fully adjustable set point. Enthalpy control offers a higher level of

energy savings potential than the standard dry bulb control due to the additional wet bulb sensing capability.

Differential Enthalpy

Replaces the standard dry bulb control with two enthalpy sensors that compare total heat content of the indoor air and outdoor air to determine the most efficient entering air source. This control option offers the highest level of energy efficiency available.

Field Wiring



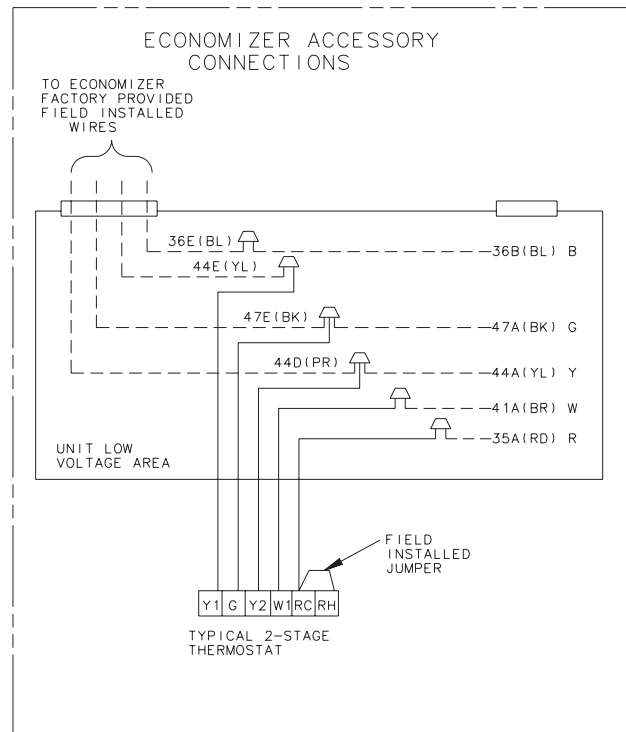
NOTES:

1. FUSED DISCONNECT SIZE, POWER WIRING AND GROUNDING OF EQUIPMENT MUST COMPLY WITH CODES.
2. BE SURE POWER SUPPLY AGREES WITH EQUIPMENT AND HEATER NAMEPLATE.
3. LOW VOLTAGE WIRING TO BE 18 AWG MINIMUM CONDUCTOR.
4. SEE UNIT DIAGRAM FOR ELECTRICAL CONNECTION DETAILS.
5. THE THERMOSTAT ON THE YCC UNIT MUST PROVIDE A 'G' SIGNAL IN THE COOLING MODE ONLY. DURING THE HEATING MODE THE FAN WILL BE ENERGIZED BY THE SYSTEM.

INTER-COMPONENT WIRING

-----	24V. LINE V.	} FACTORY WIRING
-----	LINE V.	
_____	24V. LINE V.	} FIELD WIRING
_____	LINE V.	

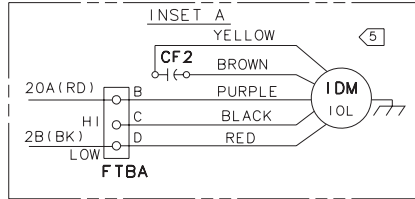
WIRE COLOR DESIGNATION			
ABBR	COLOR	ABBR	COLOR
BK	BLACK	PR	PURPLE
BL	BLUE	RD	RED
BR	BROWN	WH	WHITE
GR	GREEN	YL	YELLOW
OR	ORANGE		



Field Wiring

CAUTION—NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150 VOLTS TO GROUND.
ATTENTION: NE CONVIENT PAS POUR LES INSTALLATIONS DE PLUS DE 150V. A TERRE.

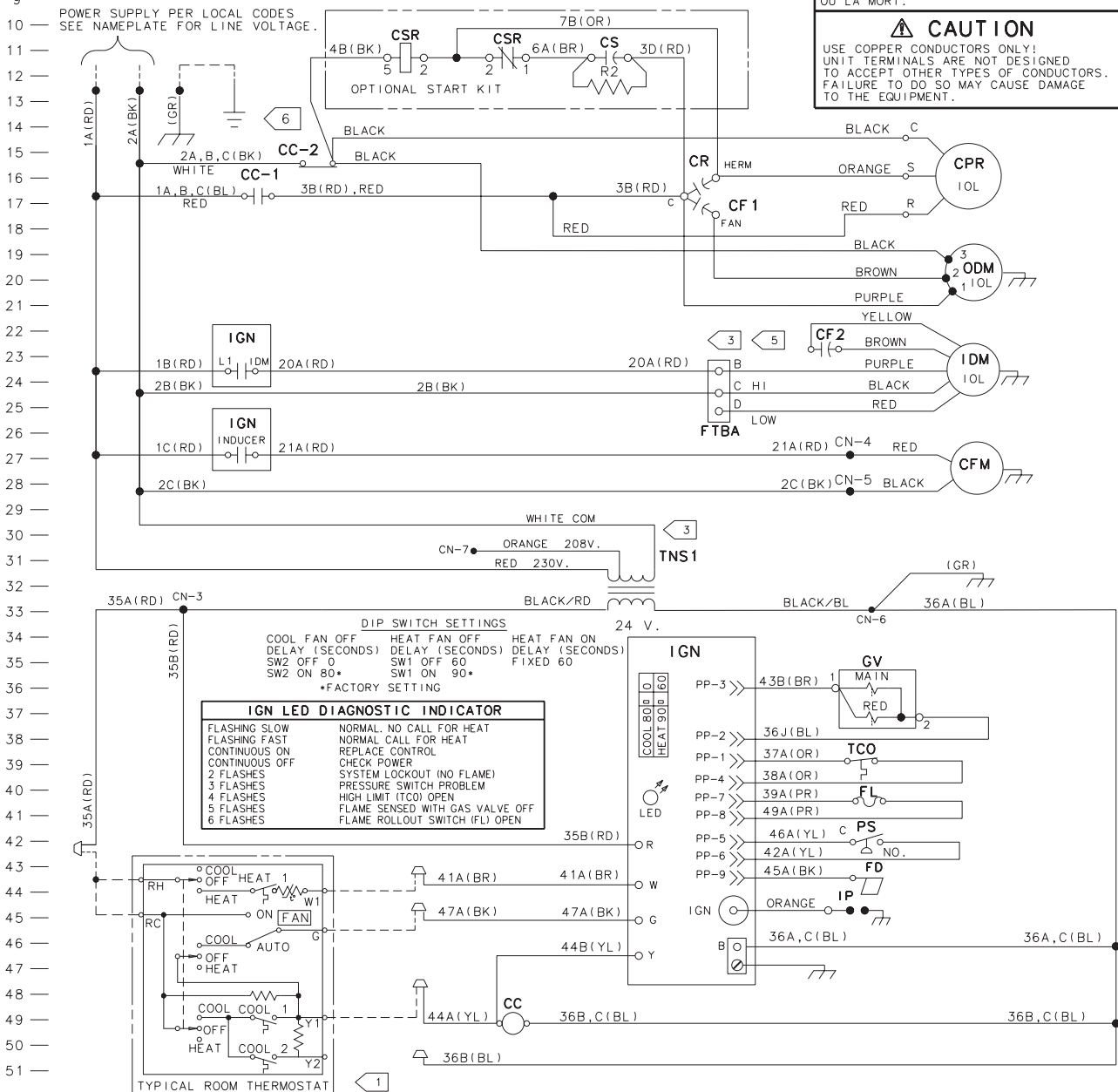
UNIT FACTORY WIRED FOR 230V
SEE WIRING DIAGRAM NOTES FOR REQUIRED WIRING CHANGES WHEN INSTALLED ON A 208V POWER SUPPLY.



⚠ WARNING
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.
FAILURE TO DISCONNECT POWER SUPPLY BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

⚠ AVERTISSEMENT
VOLTAGE HASARDEUX!
DECONNECTEZ TOUTES LES SOURCES ELECTRIQUES INCLUANT LES DISJONCTEURS SITUES A DISTANCE AVANT D'EFFECTUER L'ENTRETIEN. FAUTE DE DECONNECTER LA SOURCE ELECTRIQUE AVANT D'EFFECTUER L'ENTRETIEN PEUT ENTRAINER DES BLESSURES CORPORELLES SEVERES OU LA MORT.

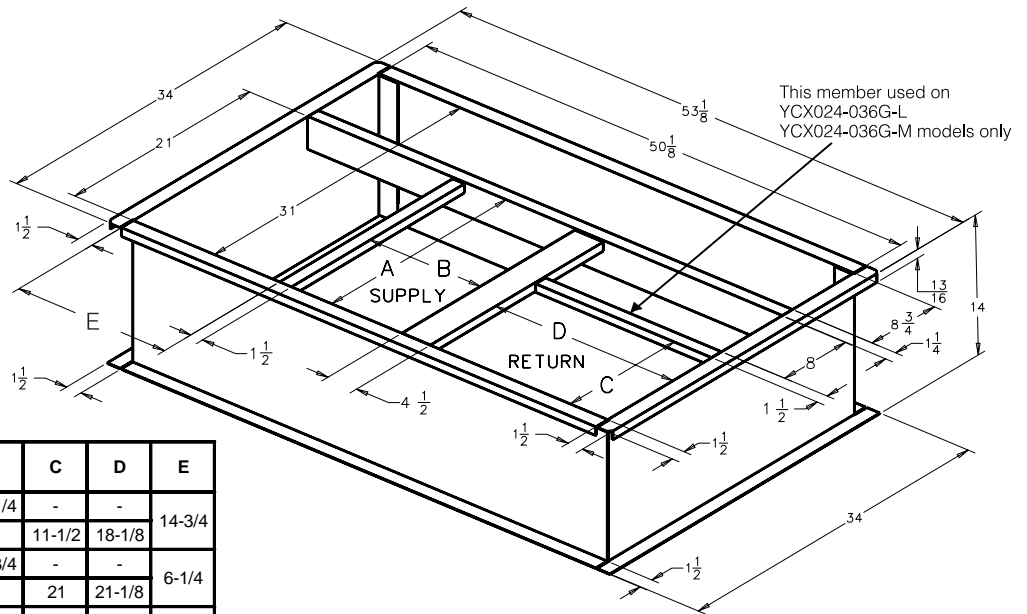
⚠ CAUTION
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.
FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.



From Dwg. 21D757307 P04

Dimensions

BAYCURB030A,038A Roof Mounting Curb Outline With YCX024,060G Units

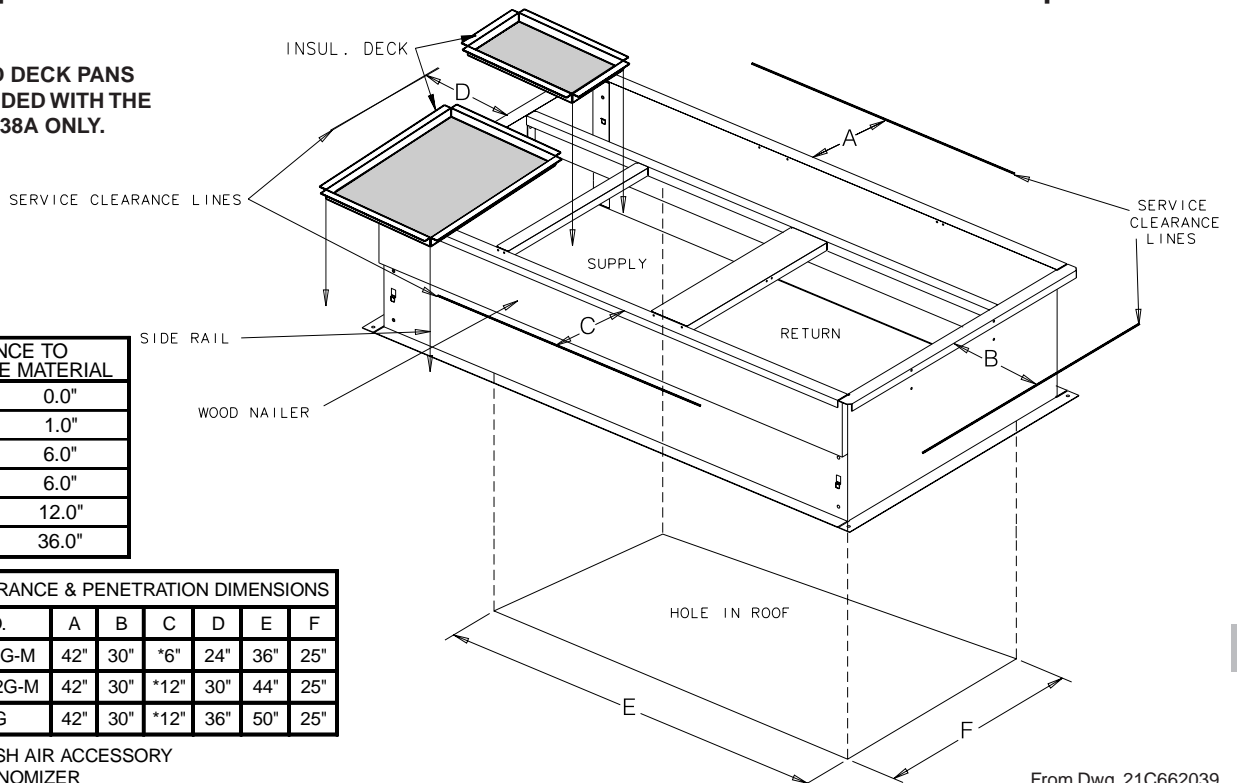


MODEL NO.	AIR DUCT OPENINGS	A	B	C	D	E
YCX024-36G-L	SUPPLY	21	11-1/4	-	-	14-3/4
YCX024-36G-M	RETURN	-	-	11-1/2	18-1/8	-
YCX036G-H	SUPPLY	21	16-3/4	-	-	6-1/4
YCX042G-M	RETURN	-	-	21	21-1/8	-
YCX048G-H	SUPPLY	21	19	-	-	3
YCX060G-M	RETURN	-	-	21	22-1/8	-

From Dwg. 21C729942

Required Clearance for Unit Installation and Roof Penetration Hole Size Required

INSULATED DECK PANS ARE INCLUDED WITH THE BAYCURB038A ONLY.



CLEARANCE TO COMBUSTIBLE MATERIAL	
BOTTOM	0.0"
BACK	1.0"
LEFT SIDE	6.0"
RIGHT SIDE	6.0"
FRONT SIDE	12.0"
TOP	36.0"

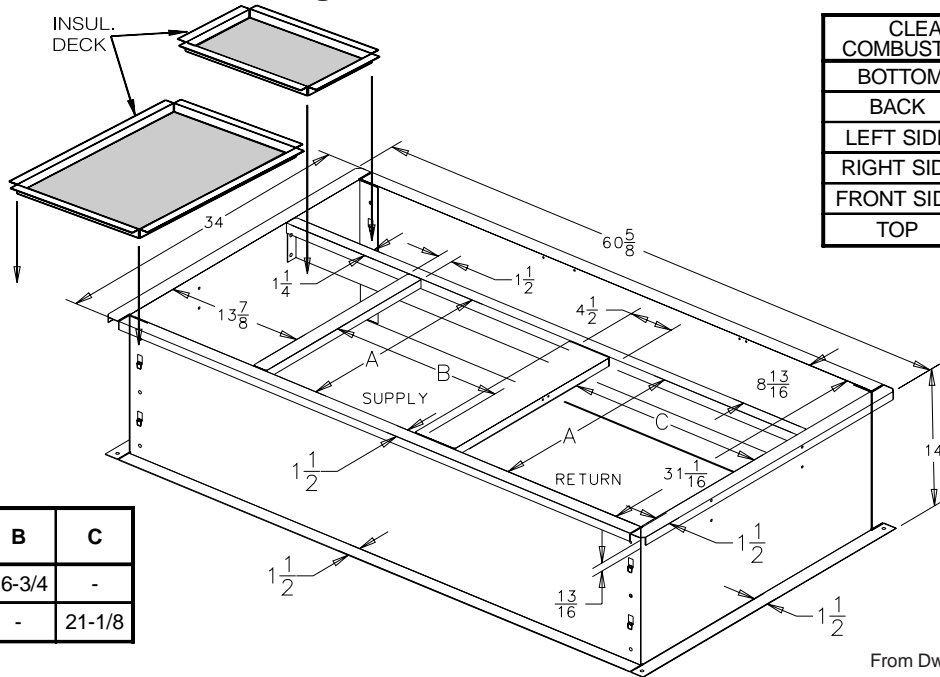
SERVICE CLEARANCE & PENETRATION DIMENSIONS						
MODEL NO.	A	B	C	D	E	F
YCX024-36G-L, G-M	42"	30"	*6"	24"	36"	25"
YCX036G-H, 042G-M	42"	30"	*12"	30"	44"	25"
YCX048-60G	42"	30"	*12"	36"	50"	25"

* 18" WITH FRESH AIR ACCESSORY
* 30" WITH ECONOMIZER

From Dwg. 21C662039

Dimensions

BAYCURB033A Roof Mounting Curb Outline With YCX036G-H,042G-M Units

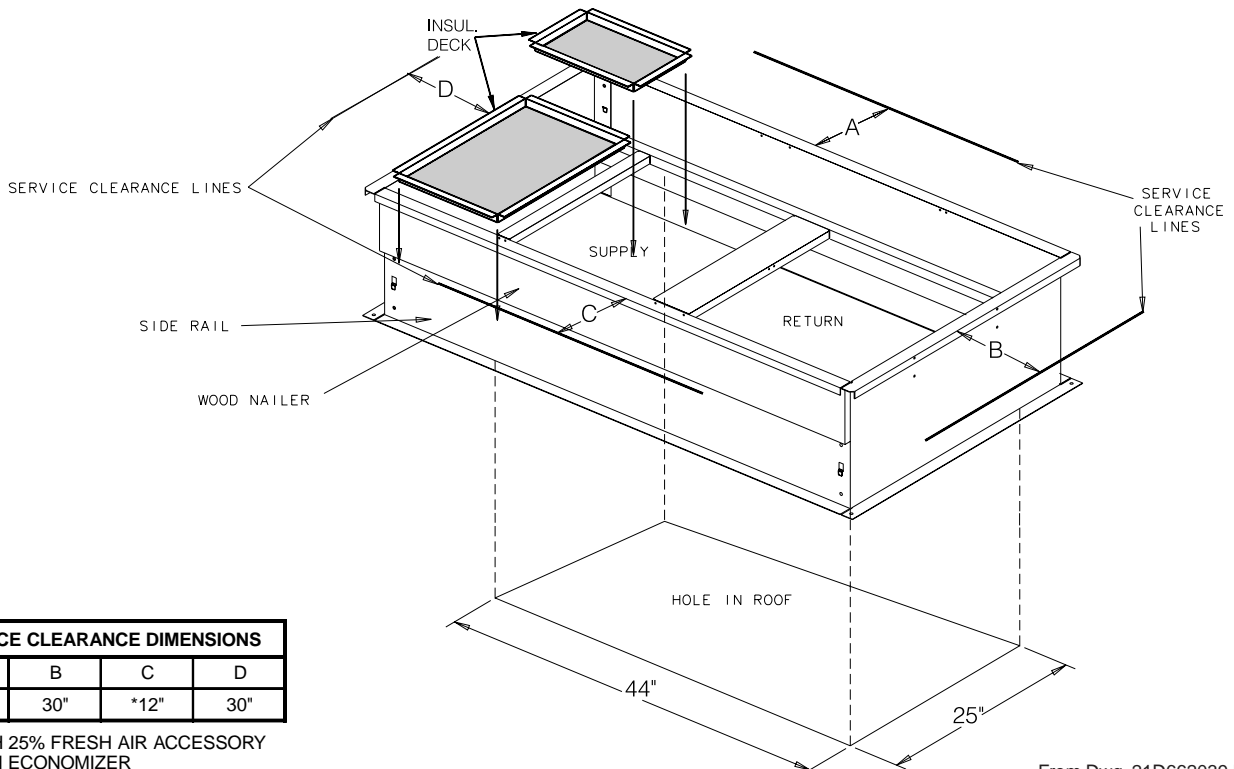


CLEARANCE TO COMBUSTIBLE MATERIAL	
BOTTOM	0.0"
BACK	1.0"
LEFT SIDE	6.0"
RIGHT SIDE	6.0"
FRONT SIDE	12.0"
TOP	36.0"

AIR DUCT OPENINGS	A	B	C
SUPPLY	21	16-3/4	-
RETURN	21	-	21-1/8

From Dwg. 21C662035 Rev. 1

Required Clearance for Unit Installation and Roof Penetration Hole Size Required



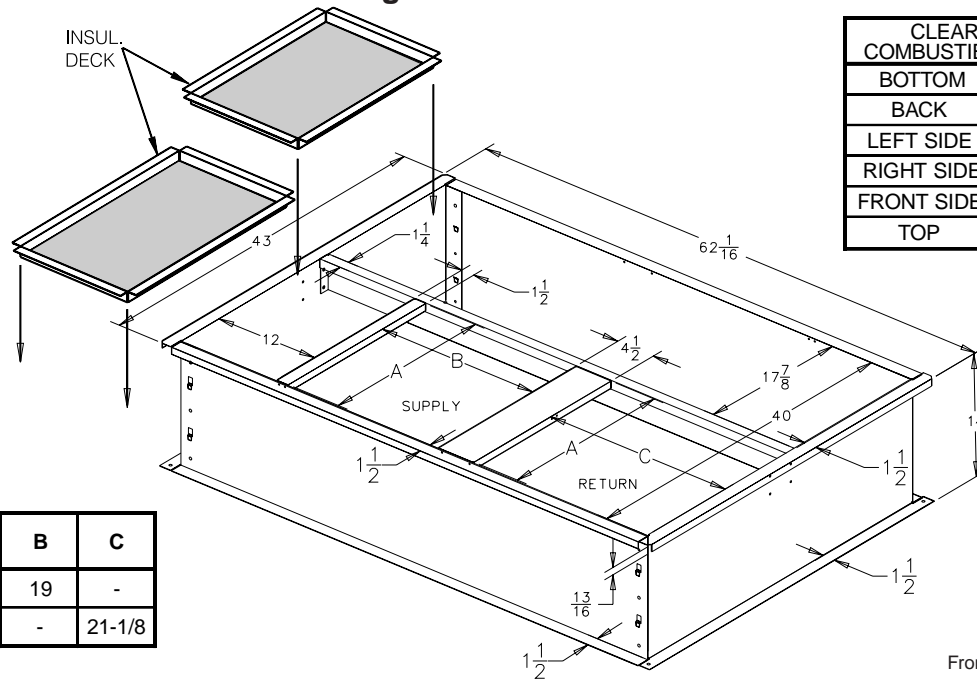
SERVICE CLEARANCE DIMENSIONS			
A	B	C	D
42"	30"	*12"	30"

*18" WITH 25% FRESH AIR ACCESSORY
30" WITH ECONOMIZER

From Dwg. 21D662039 Rev. 1

Dimensions

BAYCURB034A Roof Mounting Curb Outline With YCX048-060G Units

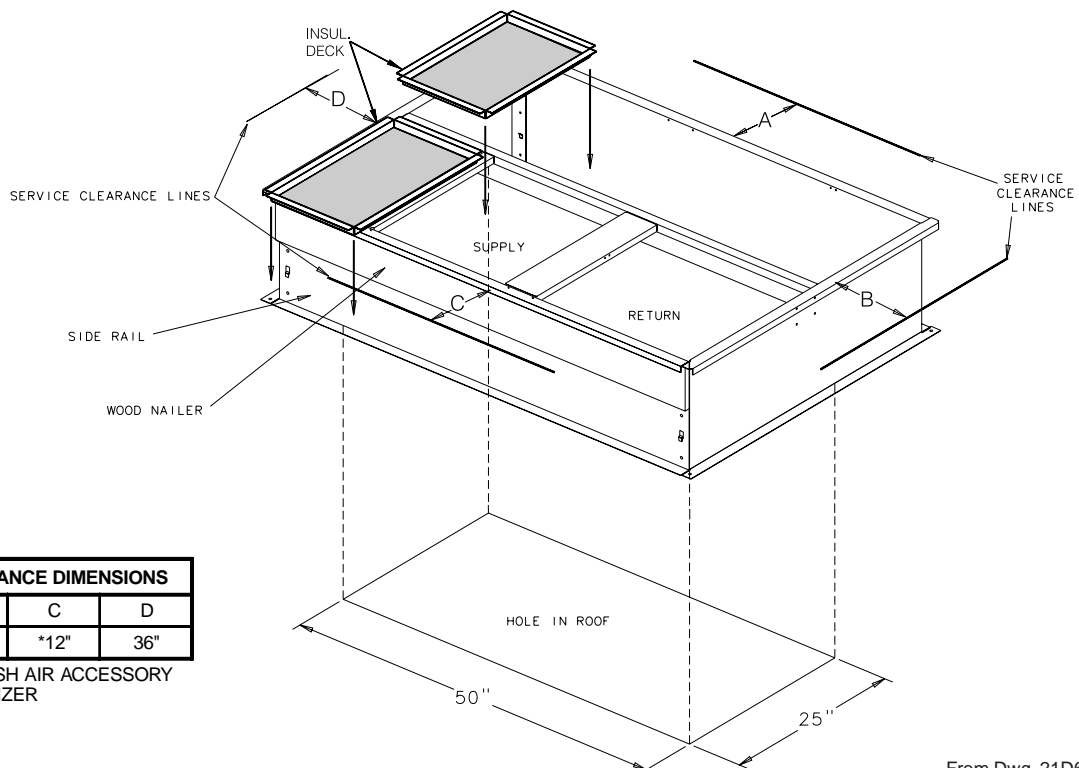


CLEARANCE TO COMBUSTIBLE MATERIAL	
BOTTOM	0.0"
BACK	1.0"
LEFT SIDE	6.0"
RIGHT SIDE	6.0"
FRONT SIDE	12.0"
TOP	36.0"

AIR DUCT OPENINGS	A	B	C
SUPPLY	21	19	-
RETURN	21	-	21-1/8

From Dwg. 21C662034

Required Clearance for Unit Installation and Roof Penetration Hole Size Required



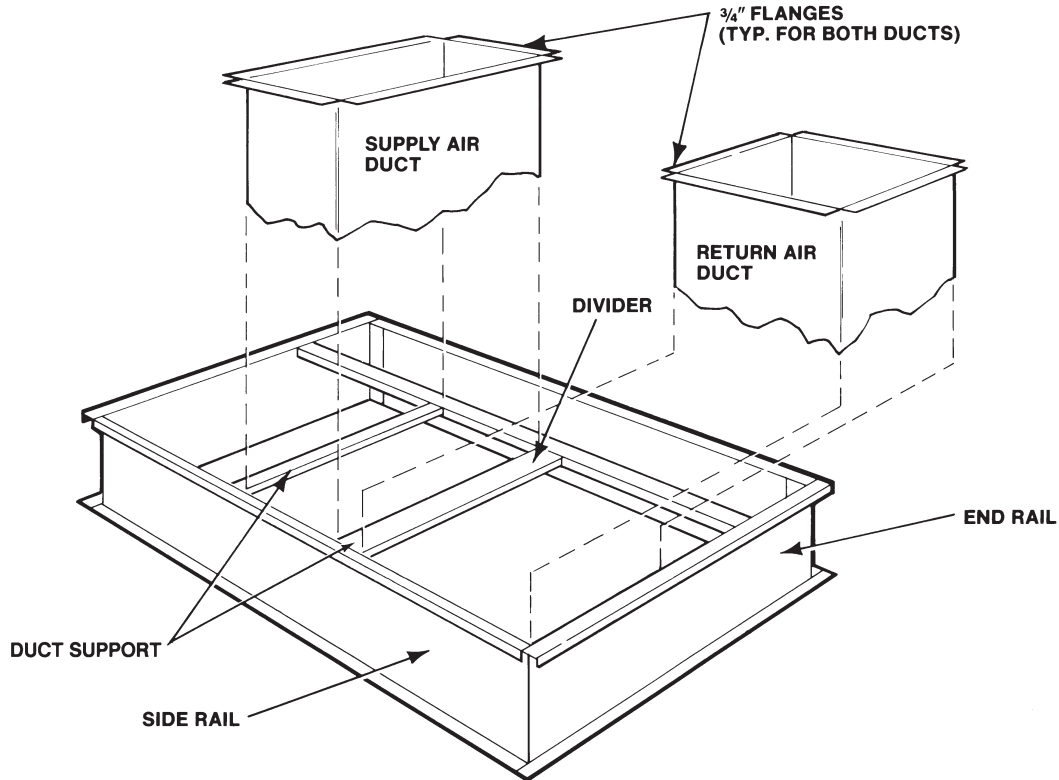
SERVICE CLEARANCE DIMENSIONS			
A	B	C	D
42"	30"	*12"	36"

*18" WITH 25% FRESH AIR ACCESSORY
30" WITH ECONOMIZER

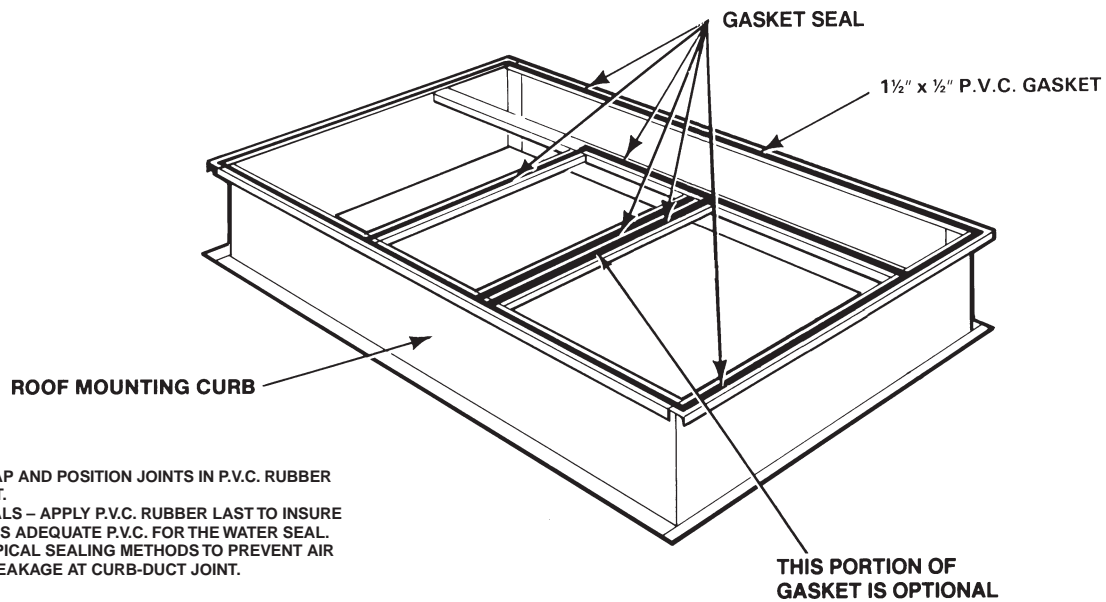
From Dwg. 21D662038 Rev. 1

Dimensions

Field Fabricated (Side X Side) Ducts — YCX024-060G Units Installed from Above Mounting Curb



P.V.C. Rubber Gasket Position on BAYCURB030A for Unit Placement — YCX024-060G Units



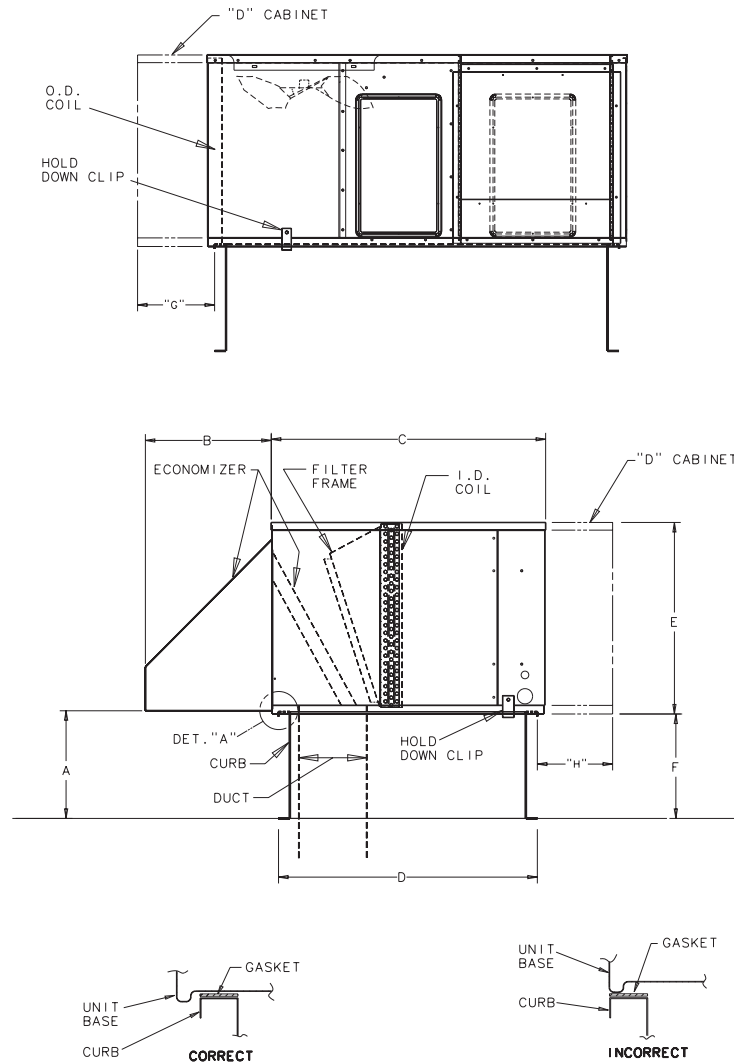
NOTES:

1. OVERLAP AND POSITION JOINTS IN P.V.C. RUBBER GASKET.
2. AIR SEALS – APPLY P.V.C. RUBBER LAST TO INSURE THERE IS ADEQUATE P.V.C. FOR THE WATER SEAL.
3. USE TYPICAL SEALING METHODS TO PREVENT AIR DUCT LEAKAGE AT CURB-DUCT JOINT.

THIS PORTION OF GASKET IS OPTIONAL

Dimensions

YCX024-060G OUTLINE DRAWING — Front



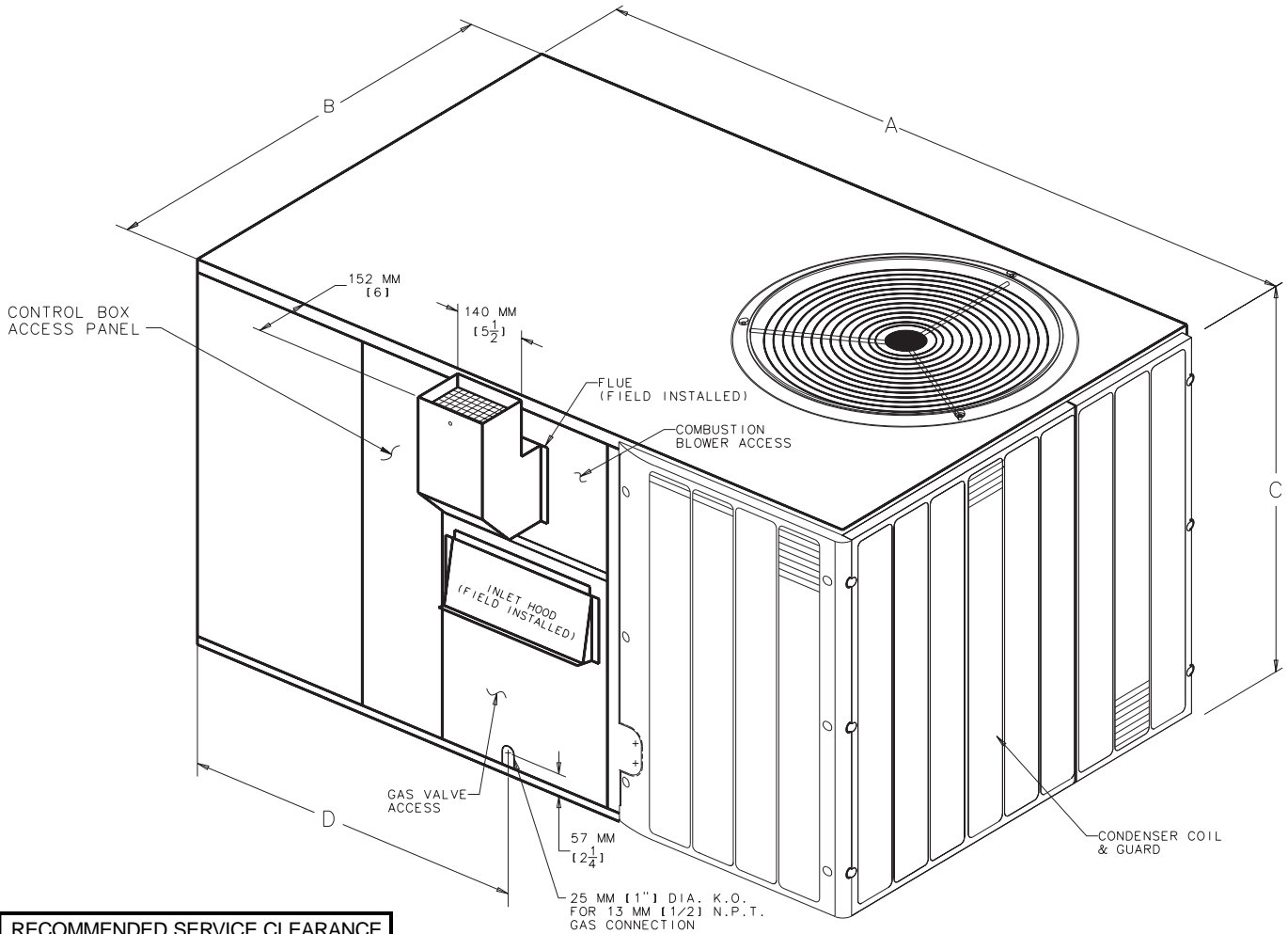
CABINET SIZE	MODEL	BAYCURB	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
"A"	YCX024G-L	030A	14-1/8	16-5/8	36	34	25-3/16	13-3/4	--	--
"B"	YCX024G-M	030A	14-1/8	16-5/8	36	34	29-3/16	13-3/4	--	--
	YCX030-36G-L									
	YCX030-36G-M									
"C"	YCX036G-H	030A	14-1/8	16-5/8	36	34	29-3/16	13-3/4	8-1/8	--
	YCX042G-M	033A	14-13/16	16-5/8	36	34	29-3/16	13-3/4	--	--
"D"	YCX048G-H	030A	14-1/8	21	45	34	33-3/8	13-3/4	10-1/8	9-7/8
	YCX060G-M	034A	14-13/16	21	45	43	33-3/8	13-3/4	--	--



Dimensions

YCX024-060G OUTLINE DRAWING — Front

NOTE: ALL DRAWING DIMENSIONS ARE IN MM (INCHES)



RECOMMENDED SERVICE CLEARANCE	
BACK	* 6.0"
LEFT SIDE	30.0"
RIGHT SIDE	24.0"
FRONT SIDE	42.0"

* 18" WITH FRESH AIR ACCESSORY
 * 30" WITH ECONOMIZER

MODEL	A	B	C	D
YCX024G-L	56 1/2	36	25 3/16	25 1/8
YCX024G-M	56 1/2	36	29 3/16	25 1/8
YCX030G-L				
YCX030G-M				
YCX036G-L				
YCX036G-M	64	36	29 3/16	26 9/16
YCX036G-H				
YCX042G-M				
YCX048G-H	65 1/8	45	33 5/8	27 15/16
YCX060G-M				

NOTE: TABLE IN INCHES ONLY.

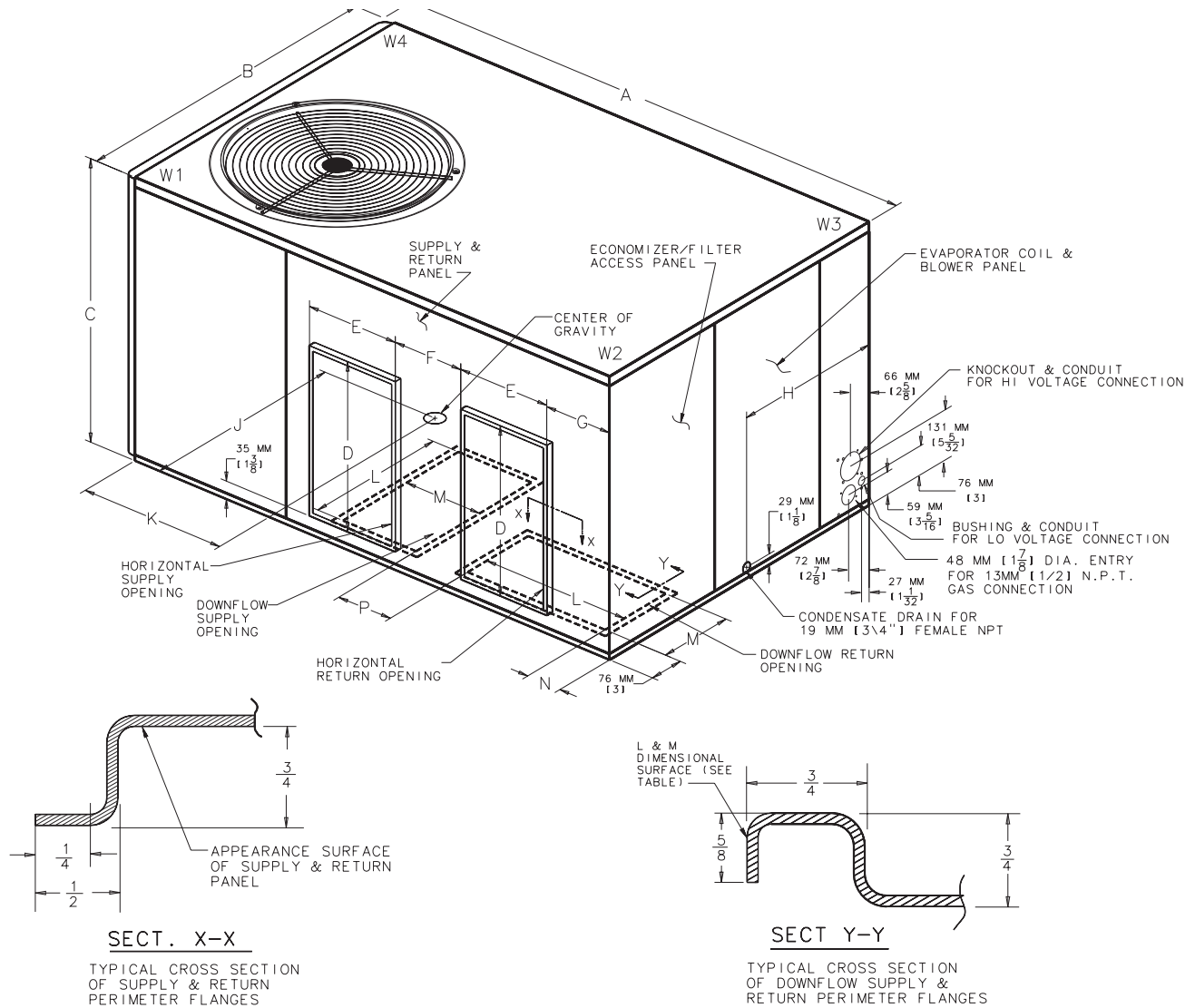
CLEARANCE TO COMBUSTIBLE MATERIAL	
BOTTOM	0.0"
BACK	1.0"
LEFT SIDE	6.0"
RIGHT SIDE	6.0"
FRONT SIDE	12.0"
TOP	36.0"

From Dwg. 21D667952

Dimensions

YCX024-060G OUTLINE DRAWING — Rear

NOTE: ALL DRAWING DIMENSIONS ARE IN MM (INCHES)



SECT. X-X

TYPICAL CROSS SECTION OF SUPPLY & RETURN PERIMETER FLANGES

SECT Y-Y

TYPICAL CROSS SECTION OF DOWNFLOW SUPPLY & RETURN PERIMETER FLANGES

MODEL	CORNER WEIGHT (LBS)				UNIT WEIGHT	A	B	C	D	E	F	G	H	J	K	L	M	N	P
	W1	W2	W3	W4															
YCX024G-L	82	64	85	109	340	56-1/2	36	25-3/16	18-9/16	11-1/16	6-9/16	6-13/16	17	21	21-1/4				
YCX024G-M	84	68	93	113	357														
YCX030G-L	84	68	93	111	356									21	21-7/8	17-1/2	10	3	4-7/16
YCX030G-M	85	70	94	114	363	56-1/2	36	29-3/16	18-9/16	11-1/16	6-9/16	6-13/16	17						
YCX036G-L	88	73	97	114	372														
YCX036G-M	88	74	97	119	379									20-1/2	25-1/8				
YCX036G-H	93	76	100	124	393														
YCX042G-M	97	79	105	127	407	64	36	29-3/16	18-9/16	11-1/16	6-9/16	11-1/8	17	20-1/2	28-1/2	17-1/2	10	3	8-3/4
YCX048G-H	121	106	134	154	515									25-3/8	30-1/4				
YCX060G-M	133	109	134	165	542	65-1/8	45	33-3/8	21-1/16	15-1/16	4-15/16	9-1/8	21-15/16	25-3/16	28-7/8	20	14	3-1/2	8-5/16

NOTE: TABLE IN INCHES ONLY.

From Dwg. 21D667953



Mechanical Specification Options

General

All units shall be factory assembled, piped, internally wired and fully charged with R-22. All units shall be designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities shall be rated in accordance with A.R.I. standards. The YCX-G heating/cooling unit design is UL listed, specifically for outdoor applications using propane or natural gas. All units shall be designed for outdoor rooftop or ground level installation. Exterior surfaces of all units shall be phosphatized, zinc-coated steel with epoxy resin primer and baked enamel finish.

Shipped for horizontal application, convertible to downflow.

Casings

All panels shall be 20-gauge steel, gasketed and insulated. Foil-faced glass fiber insulation shall be in the heat exchanger section. Foil-faced insulation shall be in the evaporator section. Base pan and mounting rails shall be 18 gauge. **WEATHERGUARD™** exterior corrosion resistant screws shall be used for added resistance to rust and corrosion.

Controls

Refrigeration cycle controls shall include condenser fan, evaporator fan and compressor contactors. Compressors shall be equipped with a combination internal winding thermostat/current overload. Internal high pressure relief shall also be provided.

Refrigeration System

Compressors — All units shall have hermetically sealed Climatuff® compressors. Compressors shall be equipped with over temperature, over current and high pressure protection.

Evaporator Coil — Internally enhanced 3/8-inch OD seamless copper tubing mechanically bonded to aluminum fins, factory pressure and leak tested at 250 to 300 psig.

Condenser Coil — Outdoor coils shall be internally enhanced 3/8-inch OD seamless copper tubing mechanically bonded to aluminum fins. Each coil shall be factory pressure and leak tested at 420 psig.

Indoor Air Fan — Direct-drive, forward-curved, centrifugal type. Motor shall have thermal overload protection. Permanently lubricated motor bearings. Motor/blower assembly isolated from unit with rubber mounts.

Condenser Fan — Direct-drive, draw thru propeller type. Weather-proofed permanent split capacitor fan motor shall have built-in thermal overload and permanently lubricated motor bearings.

Low Ambient — Standard refrigerant system operation down to 55°F. Low ambient accessory required for operation in 0°F ambient condition.

Heating System

Gas-Fired Heating Section — Models shall provide completely assembled, wired and piped gas fired heating systems within unit. Design certified by U.L., specifically for outdoor application. Threaded gas connection on the unit.

Electronic Ignition System — Main burner is lit each time thermostat calls for heat. Flame sensor proves flame and keeps the main burners on. Should a loss of flame occur, the main valve closes and the spark recurs within 0.8 second. When thermostat is satisfied, main burner is extinguished.

Forced Combustion Blower — Insures flame stability under varying wind conditions. Gives higher combustion efficiency and location flexibility.

Heat Exchanger — Aluminized steel tubes. Free floating design.

Burners — 20-gauge aluminized steel. Multi-port inshot.

Downflow Accessories (U.S. Domestic Models)

Roof Curb — The roof curb shall be designed to mate with the unit and provide support and complete weather-tight installation when properly installed. Curb shall ship knocked down for field assembly, and include wood nailer strips.

Economizer

Modulating Economizer — This accessory shall be field installed and be composed of the following items: 0-100% fresh air damper, damper drive motor fixed dry bulb enthalpy control, and low voltage polarized plug for electrical connections. Solid state enthalpy or differential enthalpy control is optional. Economizer operations shall be controlled by the preset position of the enthalpy control. A barometric relief damper shall be standard with the economizer and provide a pressure operated damper that shall be gravity closing and prohibit entrance of outside air on equipment "off" cycle.

Manual Fresh Air Hood

Manual outside air provides a fixed outside air quantity from 0 to 25 percent. Includes hood and birdscreen.

Low Ambient Control

Control allows cycling of compressor under low ambient cooling conditions. Required for cooling operation to 0°F.

Propane Gas

Conversion Kit — For conversion from natural gas to LP gas.



The Trane Company
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Tyler, TX 75707

An American-Standard Company



P.I.

Since The Trane Company has a policy of continuous product improvement, it reserves the right to change design and specifications without notice.