



Residential Package

TGRG Series Gas/Electric Heat/Cool

The self-contained TGRG series provides electric air conditioning in warm weather and comfortable gas heat in cold weather. The compact design makes it ideal for homes without a basement or adequate utility space. Since the unit can be slab-mounted or roof-mounted, it also works well for residences with minimal yard space.

Units come pre-charged with environmentally friendly R-410A.



TGRG models are easily installed and require only ductwork and a thermostat, making them suitable for a wide variety of residential and light commercial applications. Units can be converted for horizontal or downflow air delivery.

TGRG units are designed for efficient delivery of conditioned air. The hot surface igniter is reliable, and the scroll compressor provides maximum efficiency combined with quiet operation.

Both indoor and outdoor coils are all-aluminum micro-channel type that maximizes heat transfer. These coils are highly resistant to corrosion, small and lightweight to keep the overall size to a minimum, and easier to clean than other types.

An epoxy coated wire guard and mesh hail guard protects the coils from damage from both yard hazards and weather extremes. Water management



2 to 5 Tons

14 SEER
81% AFUE



is provided by a one-piece top with drip edges on the top panels, while an embossed bottom pan keeps the blower compartment dry.

A full range of accessories including roof curbs, economizers, and LP conversion kits is available.

FEATURES

Installation & Maintenance

- Externally accessible service ports provide quick access without disrupting service
- All controls and major components are easily accessed to speed service
- Unit is built with standard components to enhance availability of components

Electric Cooling

- Low vibration 20" fan blade is combined with a custom venturi condenser fan for quiet operation
- Condenser and evaporator coils are micro-channel construction of aluminum extruded tubes brazed to enhanced aluminum fins for excellent heat transfer and efficiency
- A high pressure switch adds protection for the compressor

Gas Heat

- Hot surface igniter and flame sensor deliver proven reliability
- Programmed adaptive ignition feature varies the warm-up to match the current conditions
- In-shot gas burners and manifold efficiently regulate the flow of gas for combustion

Rugged Cabinet

- Durable galvanized steel cabinet has a polyurethane finish that meets 950-hour salt spray corrosion resistance
- Full perimeter baserails make the unit easy to handle during installation, even for rooftop installations
- Corrosion resistant drain pan quickly eliminates evaporator condensate

SPECIFICATIONS

14 SEER/11 EER

81% AFUE*

MODEL	COOLING BTUH	HEATING INPUT BTUH	HEATING OUTPUT BTUH	INDOOR BLOWER MOTOR TYPE	INDOOR BLOWER HP	INDOOR BLOWER SIZE (in.)	SOUND dBa	DIMENSIONS H x W x L (in.) with BASE RAILS **	UNIT/ SHIPPING WT. (LBS)
TGRG24451F	23,600	45,000	36,000	Fixed Torque	1/2	11 x 10	71	35 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	397/413
TGRG24721F	23,600	72,000	57,600	Fixed Torque	1/2	11 x 10	71	35 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	405/421
TGRG30451F	29,000	45,000	36,000	Fixed Torque	1/2	11 x 10	76	35 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	398/414
TGRG30721F	29,000	72,000	57,600	Fixed Torque	1/2	11 x 10	76	35 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	406/422
TGRG36721F	35,800	72,000	57,600	Fixed Torque	1/2	11 x 10	78	35 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	403/419
TGRG36961F	35,800	96,000	76,800	Fixed Torque	1/2	11 x 10	78	35 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	411/427
TGRG42961F	41,500	96,000	76,800	Fixed Torque	3/4	11 x 10	78	39 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	443/461
TGRG48961F	46,000	96,000	76,800	Fixed Torque	3/4	11 x 10	77	39 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	453/470
TGRG601201F	57,000	120,000	96,000	Fixed Torque	1	11 x 10	78	43 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	480/497

*AFUE = Annual Fuel Utilization Efficiency

**See Technical Specifications on web site for detailed dimensional data.

ELECTRICAL DATA

208/230V-1-60

MODEL	HEATING INPUT BTUH	CFM Factory Settings @ .30 ESP*		COMPRESSOR		FAN AMPS	BLOWER MOTOR AMPS	MIN. CIRCUIT AMPACITY	MAX. OVER-CURRENT PROTECTION
		MIN.	MAX	RLA	LRA				
TGRG24451F	45,000	839	974	12.8	58.3	1.0	3.6	20.6	30A
TGRG24721F	72,000	839	1101	12.8	58.3	1.0	3.6	20.6	30A
TGRG30451F	45,000	974	839	15.7	73.0	1.46	3.6	20.6	35A
TGRG30721F	72,000	974	1101	15.7	73.0	1.46	3.6	20.6	35A
TGRG36721F	72,000	1250	1123	18.6	79.0	1.46	3.6	28.3	45A
TGRG36961F	96,000	1123	1250	18.6	79.0	1.46	3.6	28.3	45A
TGRG42961F	96,000	1381	1692	22.1	109.0	1.46	5.0	34.1	50A
TGRG48961F	96,000	1692	1692	24.3	117.0	1.46	5.0	36.8	60A
TGRG601201F	120,000	1795	1699	29.3	134.0	1.5	6.5	44.6	70A

* See Technical Specifications on web site for complete air flow data.

Limited Warranty—20 years on heat exchanger; 10 years on all other parts (With registration, see printed warranty for details)

MODEL NOMENCLATURE

T	G	R	G	24	45	1	F
Package Unit	Gas/ Electric	Residential	'Green' Gas R-410A	Nominal Cooling Capacity BTUH x 1000	Heating BTUH 45=45,000 72=72,000 96=96,000 120=120,000	Power 208/230-1-60	Series/ Revision

Design, specifications, materials and performance data subject to change without notice.

HEAT CONTROLLER

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