



Residential Package

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.

The mesh hail guard protects the coils from damage from both yard hazards and weather extremes. Water management is provided by a one-piece top with drip



**TGRG Series
2 to 5 Tons**



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	GFM @ ESP, WC ¹	INDOOR BLOWER HP	INDOOR BLOWER SIZE (in.)	SOUND dBa	DIMENSIONS H x W x L (in.) with BASE RAILS	UNIT/SHIP. WT. (LBS)
TGRG24451F	23,600	45,000	36,000	839/974@.30	1/2	11 x 10	71	35 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	397/413
TGRG24721F	23,600	72,000	57,600	839/1101@.30	1/2	11 x 10	71	35 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	405/421
TGRG30451F	29,000	45,000	36,000	974/839@.30	1/2	11 x 10	76	35 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	398/414
TGRG30721F	29,000	72,000	57,600	974/1101@.30	1/2	11 x 10	76	35 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	406/422
TGRG36721F	35,800	72,000	57,600	1250/1123@.30	1/2	11 x 10	78	35 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	403/419
TGRG36961F	35,800	96,000	76,800	1123/1250@.30	1/2	11 x 10	78	35 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	411/427
TGRG42961F	41,500	96,000	76,800	1381/1692@.30	3/4	11 x 10	78	39 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	443/461
TGRG48961F	46,000	96,000	76,800	1692/1692@.30	3/4	11 x 10	77	39 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	453/470
TGRG601201F	57,000	120,000	96,000	1795/1699@.30	1	11 x 10	78	43 x 47 ¹ / ₂ x 55 ¹³ / ₁₆	480/497

*AFUE = Annual Fuel Utilization Efficiency
 1 Airflow at motor tap setting for cooling/heating

ELECTRICAL DATA

208/230V-1-60

MODEL	HEATING INPUT BTUH	VOLTAGE RANGE		COMPRESSOR		FAN AMPS	BLOWER MOTOR AMPS	MIN. CIRCUIT AMPACITY	MAX. OVER-CURRENT PROTECTION
		MIN.	MAX	RLA	LRA				
TGRG24451F	45,000	187	253	12.8	58.3	1.0	3.6	20.6	30
TGRG24721F	72,000	187	253	12.8	58.3	1.0	3.6	20.6	30
TGRG30451F	45,000	187	253	15.7	73.0	1.46	3.6	24.7	40
TGRG30721F	72,000	187	253	15.7	73.0	1.46	3.6	24.7	40
TGRG36721F	72,000	187	253	18.6	79.0	1.46	3.6	28.3	45
TGRG36961F	96,000	187	253	18.6	79.0	1.46	3.6	28.3	45
TGRG42961F	96,000	187	253	22.1	109.0	1.46	5.0	34.1	50
TGRG48961F	96,000	187	253	24.3	117.0	1.46	5.0	36.8	60
TGRG601201F	120,000	187	253	29.3	134.0	1.46	6.5	44.6	70

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.



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