



Product Catalog

Gas Heating Products: Indoor and Outdoor Units Indirect Fired, Direct Fired, and Gas Unit Heaters



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Indirect Fired

Trane now offers one of the most complete lines of indoor and outdoor gas heating products on the market today.

Tubular gas unit heaters, propeller fan gas unit heaters, centrifugal gas unit heaters, duct furnaces, horizontal blower assemblies, indoor make-up air handlers, and rooftop gas heating units are available in a wide range of sizes with a variety of factory-installed options to meet your application needs. All units are ETL listed, conforming to the toughest standards for safe and efficient operation. Contact your local Trane sales office for more information.

Low Profile Tubular Propeller Unit Heater (Model GTNE/GTPE)

The Trane low profile gas-fired unit heater is a highly efficient, extremely versatile product. Model GT units combine the latest tubular heat exchanger technology with a unique single orifice burner system. Units are available in sizes ranging from 30 to 120 MBh in a compact, low profile design.

The Trane low profile gas-fired unit heater conforms with the latest ETL certification standards. Design-certified under ANSI Z83.8 for Industrial/Commercial use makes this low profile unit heater the ideal selection.

Figure 1. Tubular Heat Exchanger Propeller Fan



Table 1. Performance Data - Tubular Propeller Unit Heater

Unit Size		003	004	006	007	009	011	120
Input	MBh	30	45	60	75	90	105	120
	kW	8.8	13.2	17.6	22.0	26.4	30.8	35.2
Output	MBh	24.9	37.35	49.8	61.5	73.8	86.1	98.4
	kW	7.2	10.9	14.5	18.0	21.6	25.2	28.8
Thermal Efficiency %		83	83	83	82	82	82	82
Free Air Delivery	cfm	370	550	740	920	1,100	1,300	1,475
	m ³ /s	0.175	0.260	0.349	0.434	0.519	0.614	0.696
Air Temperature Rise	°F	60	60	60	60	60	60	60
	°C	15	15	15	15	15	15	15
Full Load Amps at 120V		3.2	3.2	4.1	4.1	6.4	6.4	6.4
Maximum Circuit Ampacity		3.7	3.7	4.8	4.8	7.5	7.5	7.5
Motor Data	hp	1/20	1/20	1/12	1/12	1/10	1/10	1/10
	kW	0.04	0.04	0.06	0.06	0.075	0.075	0.075
	Type ODP ⁴	SP	SP	SP	SP	SP	SP	SP
	rpm	1,650	1,650	1,050	1,050	1,050	1,050	1,050
Amps at 115V		1.9	1.9	2.6	2.6	4.2	4.2	4.2

¹ Ratings are shown for elevations up to 2,000 feet above sea level. Above 2,000 feet, input must be derated 4 percent for each 1,000 feet above sea level. Refer to the applicable unit Installation, Operation, and Maintenance manual for additional information on field deration.

² For installations in Canada, any reference to deration at altitudes in excess of 2,000 ft. (610m) are to be ignored. At altitudes of 2,000 ft to 4,500 ft (610m to 1372m), the unit must be field derated, and be so marked in accordance with the ETL certification.

³ Standard motors are 115/60/1 Open Drip Proof.

⁴ ODP= Open Drip Proof; SP= Shaded Pole.

Tubular Propeller Fan Gas Unit Heaters (Model GHNE/GHPE)

Trane propeller fan unit heaters can provide annual fuel savings of 20 to 25 percent over conventional gravity vented heaters. Each unit features a factory-installed power venter fan and sealed flue collector that controls combustion and excess air during the on-cycle.

Heated air no longer escapes through the draft diverter opening during the off-cycle. Energy saving spark ignition reduces gas losses. The pilot only operates when required.

Horizontal power venting allows side wall venting, smaller openings, and single-walled vent pipe, reducing heat loss. Higher efficiencies can reduce equipment and material costs as well as installation time.

Figure 2. Propeller Fan



Table 2. Performance Data - Propeller Fan Gas Unit Heater

Unit Size		100	125	150	175	200	250	300	350	400
Input	Btu/h	100,000	125,000	150,000	175,000	200,000	250,000	300,000	350,000	400,000
	kW	29.3	36.6	43.9	51.2	58.6	73.2	87.8	102.5	117.1
Output	Btu/h	83,000	103,750	124,500	145,250	166,000	207,500	249,000	290,500	332,000
	kW	24.3	30.4	36.4	42.5	48.6	60.7	72.9	85.1	97.2
Thermal Efficiency %		83	83	83	83	83	83	83	83	83
Free Air Delivery	cfm	1,600	2,200	2,400	2,850	3,200	3,450	5,000	5,600	5,800
	m ³ /s	0.756	1.039	1.133	1.346	1.511	1.629	2.361	2.644	2.738
Air Temperature Rise	°F	47	42	47	46	47	54	45	47	51
	°C	26	23	26	26	26	30	24	26	28
Full Load Amps at 120V		6.4	6.9	6.9	8.0	8.0	8.0	11.6	13.8	13.8
Maximum Circuit Ampacity		7.5	8.1	8.1	9.5	9.5	9.5	14.0	16.7	16.7
Motor Data	hp (Qty)	1/10	1/4	1/4	1/3	1/3	1/3	(2) 1/4	(2) 1/3	(2) 1/3
	kW	0.080	0.19	0.19	0.25	0.25	0.25	0.19	0.25	0.25
	Type ODP ³	SP	PSC	PSC	PSC	PSC	PSC	PSC	PSC	PSC
	rpm	1,050	1,140	1,140	1,140	1,140	1,140	1,140	1,140	1,140
Amps at 115V		4.2	4.7	4.7	5.8	5.8	5.8	9.4	11.6	11.6

1 Ratings shown are for unit installations at elevations between 0 and 2,000 ft. (0 to 610m). For unit installations in USA above 2,000 ft. (610m), the unit input must be field derated 4 percent for each 1,000 ft. (305m) above sea level; refer to local codes, or in absence of local codes, refer to the latest edition of the National Fuel Gas Code, ANSI Standard Z223.1 (NFPA No. 54). Refer to the applicable unit Installation, Operation, and Maintenance manual for additional information on field deration.

2 For installations in Canada, any reference to deration at altitudes in excess of 2,000 ft. (610m) are to be ignored. At altitudes of 2,000 ft to 4,500 ft (610m to 1372m), the unit must be field derated, and be so marked in accordance with the ETL certification.

3 ODP = Open Drip Proof; SP = Shaded Pole; PSC = Permanent Split Capacitor.



Indirect Fired

Tubular Blower Fan Gas Unit Heaters (Model GBNE/GBPE)

The Trane gas-fired unit heater offers a highly efficient, extremely durable alternative to traditional clam shell designs. These blower type units combine the latest tubular heat exchanger and in-shot burner technology with Trane quality and reliability. Units are available in sizes 100 to 400 MBh. Standard energy saving features like the direct spark ignition and power venting reduce standby losses and offer improved seasonal efficiencies. The gas-fired blower unit heater is certified by ETL as providing 83 percent thermal (combustion) efficiency.

Figure 3. Tubular Blower Gas Unit



Table 3. Performance Data - Tubular Blower Gas Unit Heaters

Unit Size		100	125	150	175	200	250	300	350	400
Input	Btu/h	100,000	125,000	150,000	175,000	200,000	250,000	300,000	350,000	400,000
	kW	29.3	36.6	44.0	51.3	58.6	73.3	87.9	102.6	117.2
Output	Btu/h	83,000	103,750	124,500	145,250	166,000	207,500	246,000	290,500	332,000
	kW	24.3	30.4	36.5	42.6	48.6	60.8	72.1	85.1	97.3
Thermal Efficiency %		83	83	83	83	83	83	83	83	83
Free Air Delivery	cfm	1,181	1,476	1,771	2,067	2,362	2,953	3,501	4,134	4,724
	m ³ /s	0.557	0.697	0.836	0.976	1.115	1.394	1.652	1.951	2.230
Air Temperature Rise	°F	65	65	65	65	65	65	65	65	65
	°C	36	36	36	36	36	36	36	36	36
Outlet Velocity	fpm	370	463	555	395	451	564	422	498	570
	m/s	1.879	2.351	2.819	2.006	2.291	2.864	2.143	2.529	2.895
Full Load Amps at 120V		7.3	9.4	9.4	14.2	14.2	15.6	15.6	20.8	20.8
Maximum Circuit Ampacity		8.6	11.2	11.2	17.1	17.1	18.9	18.9	25.4	25.4
Motor Data	hp (Qty)	1/4	1/2	1/2	3/4	3/4	1	1	1-1/2	1-1/2
	kW	0.19	0.37	0.37	0.56	0.56	0.75	0.75	1.11	1.11
	Type ODP ³	SPH	SPH	SPH	SPH	SPH	Cap. Start	Cap. Start	Cap. Start	Cap. Start
	rpm	1,725	1,725	1,725	1,725	1,725	1,725	1,725	1,725	1,725
Amps at 115V		5.1	7.2	7.2	11.6	11.6	13.0	13.0	18.2	18.2

¹ Ratings shown are for unit installations at elevations between 0 and 2,000 ft (0 to 610m). For unit installations in USA above 2,000 ft (610m), the unit input must be field derated 4 percent for each 1,000 ft (305m) above sea level; refer to local codes, or in absence of local codes, refer to the latest edition of the National Fuel Gas Code, ANSI Standard Z223.1 (NFPA No. 54). Refer to the applicable unit Installation, Operation, and Maintenance manual for additional information on field deration.

² For installations in Canada, any reference to deration at altitudes in excess of 2,000 ft (610m) are to be ignored. At altitudes of 2,000 ft to 4,500 ft (610 to 1,372m), the unit must be field derated, and be so marked in accordance with the ETL certification.

³ ODP = Open Drip Proof; SPH = Split Phase; Cap. Start = Capacitor Start.

Separated Combustion Tubular Propeller Fan Gas Unit Heaters (Model GANE/GAPE)

The Trane separated combustion tubular propeller gas-fired unit heater offers a highly efficient, extremely durable alternative to the traditional clamshell design. Additionally, the model GA unit heater “separates” the combustion process from the environment where the unit is installed. A power venting system draws a controlled quantity of combustion air from outside the building. The same system exhausts flue products to the outside. The burners, pilot, and flue system are enclosed within the unit; thus, the entire combustion process is unaffected by the atmosphere in the space where the heater is located.

Separated combustion units are designed to be installed where dusty, dirty, or mildly corrosive conditions exist or where high humidity or slightly negative pressures prevail. Units are available in sizes 100 to 400 MBh. The separated combustion tubular propeller fan unit heater is certified by ETL as providing 83 percent thermal (combustion) efficiency.

Figure 4. Separated Combustion Tubular Propeller Fan Gas Unit Heaters



Table 4. Performance Data - Separated Combustion Tubular Propeller Fan Gas Unit Heaters

Unit Size		100	125	150	175	200	250	300	350	400
Input	Btu/h	100,000	125,000	150,000	175,000	200,000	250,000	300,000	350,000	400,000
	kW	29.3	36.6	43.9	51.2	58.6	73.2	87.8	102.5	117.1
Output	Btu/h	83,000	103,750	124,500	145,250	166,000	207,500	249,000	290,500	332,000
	kW	24.3	30.4	36.4	42.5	48.6	60.7	72.9	85.1	97.2
Thermal Efficiency %		83	83	83	83	83	83	83	83	83
Free Air Delivery	cfm	1,600	2,200	2,400	2,850	3,200	3,450	5,000	5,600	5,800
	m ³ /s	0.756	1.039	1.133	1,346	1,511	1,629	2,361	2,644	2,738
Air Temperature Rise	°F	47	42	47	46	47	54	45	47	51
	°C	26	23	26	26	26	30	24	26	28
Full Load Amps at 120V		6.4	6.9	6.9	8.0	8.0	8.0	11.6	13.8	13.8
Maximum Circuit Ampacity		7.5	8.1	8.1	9.5	9.5	9.5	14.0	16.7	16.7
Motor Data	hp (Qty)	1/10	1/4	1/4	1/3	1/3	1/3	1/4 (2)	1/3 (2)	1/3 (2)
	kW	0.080	0.19	0.19	0.25	0.25	0.25	0.19	0.25	0.25
	Type ODP ³	SP	PSC	PSC	PSC	PSC	PSC	PSC	PSC	PSC
	rpm	1,050	1,140	1,140	1,140	1,140	1,140	1,140	1,140	1,140
Amps at 115V		4.2	4.7	4.7	5.8	5.8	5.8	9.4	11.6	11.6

1 Ratings shown are for unit installations at elevations between 0 and 2,000 ft (0 to 610m). For unit installations in USA above 2,000 ft (610m), the unit input must be field derated 4 percent for each 1,000 ft (305m) above sea level; refer to local codes, or in absence of local codes, refer to the latest edition of the National Fuel Gas Code, ANSI Standard Z223.1 (NFPA No. 54). Refer to the applicable unit Installation, Operation, and Maintenance manual for additional information on field deration.

2 For installations in Canada, any reference to deration at altitudes in excess of 2,000 ft (610m) are to be ignored. At altitudes of 2,000 ft to 4,500 ft (610m to 1,372m), the unit must be field derated, and be so marked in accordance with the ETL certification.

3 ODP = Open Drip Proof; SP = Shaded Pole; PSC = Permanent Split Capacitor.



Separated Combustion Tubular Blower Gas Unit Heaters (Model GKNE/GKPE)

The Trane separated combustion tubular blower gas-fired unit heater offers a highly efficient, extremely durable alternative to the traditional clamshell design. Additionally, the model GK unit heater “separates” the combustion process from the environment where the unit is installed. A power venting system draws a controlled quantity of combustion air from outside the building. The same system exhausts flue products to the outside. The burners, pilot, and flue system are enclosed within the unit; thus, the entire combustion process is unaffected by the atmosphere in the space where the heater is located.

Separated combustion units are designed to be installed where dusty, dirty, or mildly corrosive conditions exist or where high humidity or slightly negative pressures prevail. Units are available in sizes 100 to 400 MBh. The separated combustion tubular blower unit heater is certified by ETL as providing 83 percent thermal (combustion) efficiency.

Figure 5. Separated Combustion Tubular Blower Gas Unit Heaters

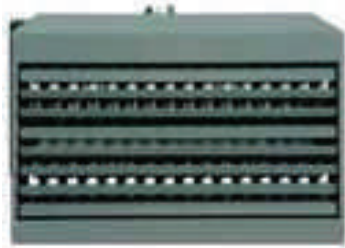


Table 5. Performance Data - Separated Combustion Tubular Blower Gas Unit Heaters

Unit Size		100	125	150	175	200	250	300	350	400
Input	Btu/h	100,000	125,000	150,000	175,000	200,000	250,000	300,000	350,000	400,000
	kW	29.3	36.6	44.0	51.3	58.6	73.3	87.9	102.6	117.2
Output	Btu/h	83,000	103,750	124,500	145,250	166,000	207,500	246,000	290,500	332,000
	kW	24.3	30.4	36.5	42.6	48.6	60.8	72.1	85.1	97.3
Thermal Efficiency %		83	83	83	83	83	83	83	83	83
Free Air Delivery	cfm	1,181	1,476	1,771	2,067	2,362	2,953	3,501	4,134	4,724
	m ³ /s	0.557	0.697	0.836	0.976	1.115	1.394	1.652	1.951	2.230
Air Temperature Rise	°F	65	65	65	65	65	65	65	65	65
	°C	36	36	36	36	36	36	36	36	36
Output Velocity	fpm	370	463	555	395	451	564	422	498	570
	m/s	1.879	2.351	2.819	2.006	2.291	2.864	2.143	2.529	2.895
Full Load Amps at 115V		7.3	9.4	9.4	14.2	14.2	15.6	15.6	20.8	20.8
Maximum Circuit Ampacity		8.6	11.2	11.2	17.1	17.1	18.9	18.9	25.4	25.4
Motor Data	hp	1/4	1/2	1/2	3/4	3/4	1	1	1-1/2	1-1/2
	kW	0.19	0.37	0.37	0.56	0.56	0.75	0.75	1.11	1.11
	Type ODP ³	SPH	SPH	SPH	SPH	SPH	Cap. Start	Cap. Start	Cap. Start	Cap. Start
	rpm	1,725	1,725	1,725	1,725	1,725	1,725	1,725	1,725	1,725
Amps at 115V		5.1	7.2	7.2	11.6	11.6	13.0	13.0	18.2	18.2

1 Ratings shown are for unit installations at elevations between 0 and 2,000 ft (0 to 610m). For unit installations in USA above 2,000 ft (610m), the unit input must be field derated 4 percent for each 1,000 ft (305m) above sea level; refer to local codes, or in absence of local codes, refer to the latest edition of the National Fuel Gas Code, ANSI Standard Z223.1 (NFPA No. 54). Refer to the applicable unit Installation, Operation, and Maintenance manual for additional information on field deration.

2 For installations in Canada, any reference to deration at altitudes in excess of 2,000 ft (610m) are to be ignored. At altitudes of 2,000 ft to 4,500 ft (610m to 1,372m), the unit must be field derated; and be so marked in accordance with the ETL certification.

3 ODP = Open Drip Proof; SPH = Split Phase; Cap. Start = Capacitor Start.

Power Vented Indoor Gas Duct Furnace (Model GLND/GLPD)

The Trane power vented indoor gas duct furnaces can achieve annual fuel savings of 20 to 25 percent or more over conventional gravity vented units. Features include a factory installed flue vent fan and sealed flue collector that control combustion and excess air during the on-cycle. Heated air no longer escapes through the draft diverted opening during the off cycle.

Energy saving intermittent pilot ignition reduces gas losses. The pilot operates only when required. Horizontal power venting allows side wall venting, smaller openings and single wall vent pipe.

Figure 6. Power Vented Indoor Gas Duct Furnace



Table 6. Performance Data - Power Vented Indoor Gas Duct Furnace

Unit Size	010	012	015	017	020	022	025	030	035	040
Input MBh	100	125	150	175	200	225	250	300	350	400
Output MBh	80	100	120	140	160	180	200	240	280	320
Max CFM	2469	3086	3704	4321	4938	5556	6173	7407	8642	9877
Pressure Drop (in. WC)	0.90	0.80	0.75	0.75	0.75	0.75	0.80	0.90	0.90	0.90
Temperature Rise F	30	30	30	30	30	30	30	30	30	30
Min. CFM	929	1157	1389	1620	1852	2083	2315	2778	3241	3704
Pressure Drop (in. WC)	0.12	0.13	0.15	0.14	0.14	0.14	0.14	0.13	0.13	0.14
Temperature Rise F	80	80	80	80	80	80	80	80	80	80
Flue Outlet ¹	5 1/8"	5 1/8"	5 1/8"	5 1/8"	5 1/8"	5 1/8"	5 1/8"	5 1/8"	5 1/8"	5 1/8"
Flue Pipe Size	4"R	4"R	4"R	4"R	5"R	5"R	5"R	6"R	6"R	6"R

¹ All flue outlets are 5 1/8" O.D. ± 1/32" (reducer by installer where required). In creaser supplied by manufacturer for 030,035,040 sizes.

² Ratings are shown for elevations up to 2,000 feet (610M) above sea level. Above 2,000 feet (610M), input must be derated 4% for each 1,000 feet (305M) above sea level. When units are installed in Canada, any reference to derations at altitudes in excess of 2,000 feet (610M) are to be ignored. At altitudes of 2,000 to 4,500 feet (610 to 1372M), the units must be orificed to 90% of the normal altitude rating, and be so marked in accordance with the ETL certification.



Indirect Fired

Separated Combustion Indoor Gas Duct Furnaces - Model GMND/ GMPD

The Trane separated combustion duct furnace is designed for installation in dusty, dirty or mildly corrosive environments or where high humidity or slightly negative pressures exist. Ideal applications include HVAC equipment rooms, manufacturing facilities, automotive garages and greenhouses.

Figure 7. Separated Combustion Indoor Gas Duct Furnaces



Table 7. Performance Data - Separated Combustion Indoor Gas Duct Furnaces

Unit Size		010	012	015	017	020	022	025	030	035	040
Input Max	MBh	100	125	150	175	200	225	250	300	350	400
	kW	29.3	36.6	43.9	51.2	58.6	65.9	73.2	87.8	102.5	117.1
Input Min	MBh	50	62.5	75	87.5	100	112.5	125	150	175	200
	kW	14.6	18.3	22.0	25.6	29.3	32.9	36.6	43.9	51.2	58.6
Output	MBh	80	100	120	140	160	180	200	240	280	320
	kW	23.4	29.3	35.1	41.0	46.9	52.7	58.6	70.3	82.0	93.7
Min	cfm	822	1028	1233	1439	1645	1850	2056	2467	2878	3289
	m ³ /s	0.388	0.485	0.582	0.679	0.776	0.873	0.970	1.164	1.358	1.552
Air Temperature Rise	°F	90	90	90	90	90	90	90	90	90	90
	°C	50	50	50	50	50	50	50	50	50	50
PD.	in.WC	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10
	kPa	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Max	cfm	3700	4625	5550	6475	7401	8326	9251	11101	12951	14801
	m ³ /s	1.746	2.183	2.620	3.056	3.493	3.930	4.366	5.240	6.113	6.986
Air Temperature Rise	°F	20	20	20	20	20	20	20	20	20	20
	°C	11	11	11	11	11	11	11	11	11	11
PD.	in.WC	2.03	1.92	1.81	1.86	1.90	1.93	1.96	2.00	2.02	2.05
	kPa	0.51	0.48	0.45	0.46	0.47	0.48	0.49	0.50	0.50	0.51

¹ Ratings are shown for elevations upto 2,000 feet (610M) above sea level. Above 2,000 feet (610M), input must be derated 4% for each 1,000 feet (305M) above sea level. When units are installed in Canada, any reference to derations at altitudes in excess of 2,000 feet (610M) are to be ignored. At altitudes of 2,000 to 4,500 feet (610 to 1372M), the units must be derated to 90% of the normal altitude rating, and be so marked in accordance with the ETL certification.

Rooftop Gas Duct Furnace - Arrangement A (Model GFAA/GFBA/GFCA/GFDA)

Trane rooftop duct furnaces combine all the features of indoor units with rail mounting and weatherproof construction. Side access burner drawer and intermittent pilot ignition are standard. Gravity venting is standard; optional power venting is available. Available in single, double, or triple furnace sizes. For outdoor use only. Approved in blow-thru applications only.

Figure 8. Single Rooftop Gas Duct Furnace - Arrangement A, Optional Power Venting



Table 8. Performance Data - Single Rooftop Gas Duct Furnace - Arrangement A, Standard Temperature Rise

GFAA/GFBA/GFCA/GFDA	10	15	20	25	30	35	40
Input MBh	100.0	150.0	200.0	250.0	300.0	350.0	400.0
Output MBh	80.0	120.0	160.0	200.0	240.0	280.0	320.0
Max CFM	3704	5556	7407	9259	11111	12963	14815
Pressure Drop	1.10	1.00	1.05	1.08	1.10	1.11	1.12
Min Temperature Rise °F	20	20	20	20	20	20	20
Min CFM	1235	1852	2469	3086	3704	4321	4938
Pressure Drop	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Max Temperature Rise °F	60	60	60	60	60	60	60



Single, Double, and Triple Furnace Rooftops - Arrangements B-L (Model GRAA/GRBA/GRCA/GRDA)

Trane rooftop heating units are designed for applications requiring heating, cooling, ventilating and make-up air. Unit sizes range from 800–14,000 CFM with gas inputs of 100–1200 MBh. Units are ETL certified for electrical safety in compliance with UL-1995 Standard for HVAC equipment.

Units are available in eight different arrangements: heating only, heating with DX, chilled water or evaporative cooling with horizontal discharge or downflow supply. All units are completely packaged, rail mounted, wired, piped, waterproofed and test fired to assure a smooth installation and easy start-up.

Figure 9. Single Furnace Rooftop (Power Vent Shown)



Table 9. Single Furnace - Arrangement B-L

GRAA/GRBA/ GRCA/GRDA	10	15	20	25	30	35	40
Input MBh	100.0	150.0	200.0	250.0	300.0	350.0	400.0
Output MBh	80.0	120.0	160.0	200.0	240.0	280.0	320.0
CFM Range	800–3500	960–4500	1600– 7400	1600– 7500	1900– 11000	1900– 13000	2100– 14000
Max Temperature Rise °F	90	90	90	90	90	90	90
Min Temperature Rise °F	20	20	20	20	20	20	20

Figure 10. Double Furnace Rooftop (Natural Vent Shown)



Table 10. Double Furnace - Arrangement B-L

GRAA/GRBA	50	60	70	80
Input MBh	500.0	600.0	700.0	800.0
Output MBh	400.0	480.0	560.0	640.0
CFM Range	1600–7500	1900–11000	1900–13000	2100–13500
Max Temperature Rise °F	120	12	120	120
Min Temperature Rise °F	40	40	40	40

Figure 11. Triple Furnace - Arrangement B-L (Natural Vent Shown)



Table 11. Triple Furnace - Arrangement B-L

GRAA/GRBA	12
Input MBh	1200.0
Output MBh	960.0
CFM Range	5500-13000
Max Temperature Rise °F	180
Min Temperature Rise °F	60



Direct Fired

Direct Fired Outdoor Rooftop Gas Heating Unit (Model DFOA)

Trane’s direct fired outdoor heating units are designed for relieving negative pressure conditions inside industrial and commercial facilities. Unit sizes range from 1,600–64,000 CFM with gas inputs of 275–9350 MBh. Units are available in horizontal and vertical configurations and in ten different unit sizes. Special units with CFM ranges up to 100,000 and cooling coil capability are also available. All units are completely piped, wired, waterproofed and tested at the factory. All units are built with UL-approved components, where applicable.

Figure 12. Direct Fired Outdoor Rooftop Gas Heating Unit

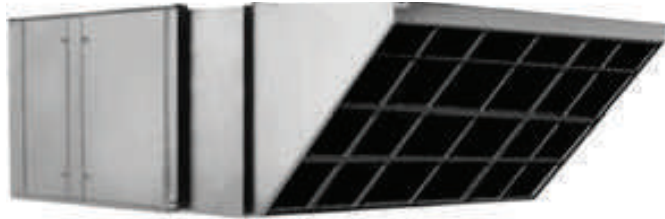


Table 12. Direct Fired Outdoor Rooftop Gas Heating Unit

DFOA	109	112	115	118	215	218	220	222	225	230
Burner Range MBh	275–550	275–825	550–990	550–1375	825–1925	1100–2475	1650–3850	2200–4400	2475–6600	3850–9350
CFM Range	1600–3000	3250–4250	4500–6000	6500–8500	9000–12000	12500–17000	18000–26000	25000–31000	30000–46000	44000–64000

Direct Fired Indoor Gas Make-Up Air Heater (Model DFIA)

Direct fired indoor heating units are designed specifically for indoor installations in an industrial or commercial setting. Their modular design provides “mix and match” flexibility that can be used to customize these heaters for any indoor application. Unit sizes range from 1,600–64,000 CFM with gas inputs of 275–9350 Mbh. Units are available in 14 standard models, both horizontal and vertical configuration. These units are suitable for floor or ceiling suspension, with horizontal, top, and downflow discharge arrangements available. All units are completely piped, wired, and test-fired at the factory.

Figure 13. Direct Fired Indoor Gas Make-Up Air Heater



Table 13. Direct Fired Indoor Gas Make-Up Air Heater

DFIA	109	112	115	118	120	122	125	130
Burner Range MBh	275-550	275-825	550-990	550-1375	825-1650	990-2200	1375-3025	1925-4400
CFM Range	1600-3000	3250-4250	4500-6000	6500-8500	9000-11000	11000-15000	14000-20000	22000-30000

Continued

DFIA	215	218	220	222	225	230
Burner Range MBh	825-1925	1100-2475	1650-3850	2200-4400	2475-6600	3850-9350
CFM Range	9000-12000	12500-17000	18000-26000	25000-31000	30000-46000	44000-64000



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