

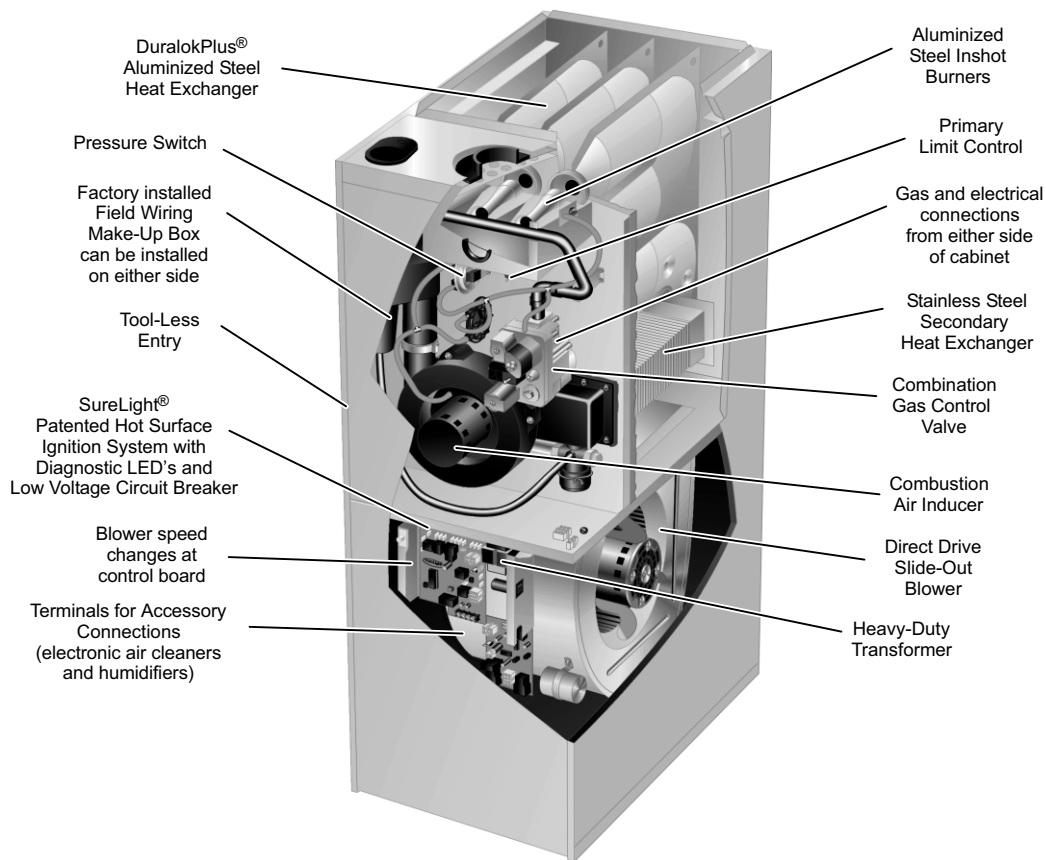
G32 **ELITE® DIRECT VENT SERIES** Up-Flow - Two-Stage Heat

AFUE - 94.0% to 94.2%
Input - 75,000 to 125,000 Btuh (22.0 to 36.6 kW)
Add-on Cooling - 1 to 5 Tons (3.5 to 17.6 kW)

Bulletin No. 210220

January 2003

Supersedes November 2002

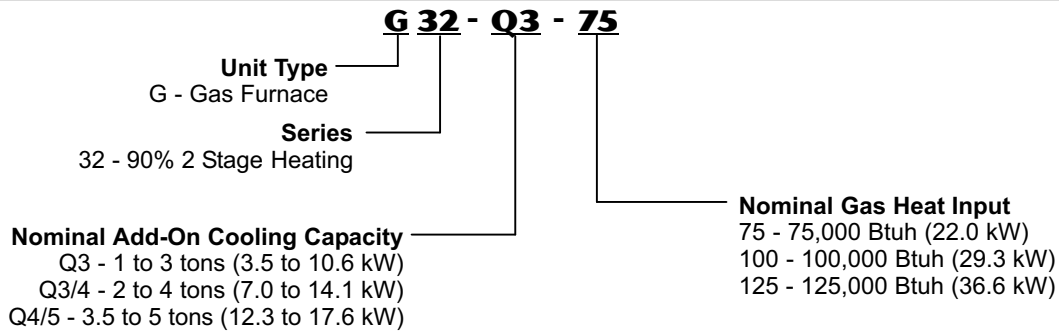


CONTENTS

Blower Performance	Page 6
Dimensions	Pages 8-11
Features	Pages 2-3
Filter Air Resistance	Page 7
High Altitude Information	Page 7

Installation Clearances	Page 7
Model Number Identification	Page 2
Optional Accessories	Page 4
Specifications	Page 5
Venting Table	Page 7

MODEL NUMBER IDENTIFICATION



FEATURES

Applications

- High fire input capacities of 75,000, 100,000 and 125,000 Btuh (22.0, 29.3 and 36.6 kW).
- Energy efficiency (AFUE) of up to 94.2%.
- Compact cabinet with either side or bottom return air entry.
- Add-on evaporator coils, electronic air cleaners and power humidifiers available.
- Shipped factory assembled with all controls installed and wired.
- Factory test operated to insure proper operation.

Approvals

- Units certified by CSA International.
- Ratings are certified by GAMA.
- Tested and rated according to U.S. DOE test procedures and FTC labeling regulations.
- Approved by the California Energy Commission and meet California Seasonal Efficiency requirements and California Nitrogen Oxides (NO_x) Standards.
- Manufactured in accordance with ISO 9002 quality standards.
- ENERGY STAR® certified units are designed to use less energy, help save money on utility bills, and help protect the environment.
- Blower data from unit tests conducted in Lennox Laboratory air test chamber.
- Approved for vertical or horizontal (sidewall) venting.

Equipment Warranty

- DuralokPlus™ Aluminized Steel Heat Exchanger - Limited twenty year warranty.
- All other covered components - limited five years (residential applications), one year (non-residential applications).
- Refer to Lennox Equipment Limited Warranty certificate included with equipment for details.

Lennox DuralokPlus™ Heat Exchanger Assembly

- Lennox developed heat exchanger assembly consists of primary heat exchanger and secondary condenser coil assembly.
- Main 3-pass clamshell type heat exchanger constructed of heavy gauge ArmorTuf™ aluminized steel.
- Designed for normal expansion and contraction without metal fatigue.
- Crimped seam design and construction provides long service life, maximum efficiency and minimum resistance to airflow.
- Condenser coil constructed of aluminum fins fitted to stainless steel tubes.
- Coil is factory tested for leaks.
- Combined flue vent and condensate drain header box assembly located on front of coil.
- Compact size of complete heat exchanger assembly permits low overall design of furnace cabinet.
- All components mounted in a heavy gauge steel frame.
- Heat exchanger assembly has been laboratory life cycle tested.

Lennox Designed Flue Condensate Trap Assembly

- Flue assembly connects to flue pipe and to induced draft blower.
- Vents combustion products and collects condensate.
- Flue trap drain hose runs from assembly to header box condensate trap.

Lennox Designed Header Box Condensate Trap

- Header box on end of condenser coil contains built-in internal trap and removable boot on bottom for easy cleaning and servicing of header and trap.
- Header box trap also collects flue condensate from flue trap for disposal through one single drain pipe.
- Also furnished for field installation is 1/2 inch (12.7 mm) mpt adaptor that extends condensate drain out either side of unit cabinet for easy connection.

Inshot Burners

- Aluminized steel inshot burners provide efficient trouble free operation.
- Burner venturi mixes air and gas in correct proportion for proper combustion.
- Burners completely enclosed in heavy gauge steel burner box.
- Sight glass is furnished on burner box for flame observation.
- Burner assembly is removeable from the unit as a single component for ease of service.

SureLight® Hot Surface Ignition

- Tough, reliable, long-life, trouble-free performance.
- Tungsten heater element sandwiched between two plates of silicon nitride.
- Cemented to steatite block for protection against current leakage.
- Ignition leads constructed of nickel plated copper enclosed in high temperature Teflon insulation for dependable operation.
- Adaptive technology of ignition control board monitors and adjusts voltage and temperature for ignition at just the needed combustion point - extending ignitor life.
- No electrical noise.

FEATURES

SureLight® Integrated Control Board

- Solid-state board contains all necessary controls and relays to operate furnace.
- Control module continuously monitors and adjusts the ignitor power to operate at minimum igniter temperature required for ignition, prolonging ignitor life.
- Electronic flame sensor control assures safe and reliable operation.
- Should loss of flame occur, flame sensor controls will initiate 4 attempts at re-ignition before locking out unit operation for 60 minutes.
- Watchguard type circuit automatically resets ignition controls after one hour of continuous thermostat demand after unit lockout, eliminating nuisance calls for service.
- Fan control consists of adjustable blower timed-off delay (60 to 180 seconds) and fixed blower timed-on delay (45 seconds).
- For air-conditioning applications, blower is automatically energized on thermostat demand for cooling.
- Provisions for additional power supply requirements for 120 volt (less than 1 amp) power humidifiers and electronic air cleaners.
- Ignition control has two LED's to indicate status and as an aid in troubleshooting.

Two Stage Control Board

- Factory installed on interior blower access door.
- Control allows one of three different modes of operation:
 1. Two-stage operation controlled from two stage thermostat.
 2. Two-stage operation controlled from single stage thermostat with timed on second stage (adjustable 8, 12 or 15 minutes). This is the factory default setting.
 3. Single stage (high fire) operation only.

Two Stage Gas Control Valve

- 24 volt redundant combination two stage gas control valve combines manual shut off valve (On-Off), automatic electric valve (dual) and gas pressure regulation into a compact combination control.

Two Speed Combustion Air Inducer

- Shaded pole heavy duty two speed combustion air inducer prepurges heat exchanger and safely vents flue products.
- Controlled by SureLight® control board for a prepurge cycle (15 seconds) and a post purge cycle (5 seconds).
- Pressure switch(es) prove blower operation before allowing gas valve to open. Two switches on -75 models, one switch on -100/-125 models.
- Blower operates only during heating cycle.

Flame Rollout Switch

- Manual reset switch is factory installed on burner box.
- Prevents unit operation in event combustion products passage through flueway is reduced or blocked.

Limit Control

- Factory installed and accurately located.
- Provides protection against abnormal operating conditions.

Field Wiring Make-up Box

- Furnished for line voltage wiring.
- Box may be installed on either side of furnace, internally or externally.
- Box contains plug-in connection for power supply wiring, wire for 120 volt accessory connection and all necessary hardware for installation.

Cabinet

- Constructed of heavy gauge cold rolled steel.
- Five station metal wash process results in a perfect paint bonding surface.
- Baked-on enamel paint finish.
- Cabinet insulated with foil faced fiberglass insulation on vestibule panel, side panels and back panel.
- Blower compartment sides and rear are completely lined with black matt faced fiberglass insulation for quiet operation.
- Complete service access accomplished by removing heating section and blower compartment access panels.
- Blower assembly and filter may be completely removed from unit for service.
- Rails on blower deck angle down for easy blower removal.
- Safety interlock switch in control box automatically shuts off power to unit when blower compartment access door is removed.
- Intake and exhaust air openings are furnished on top of furnace.
- Gas piping and electrical inlets are provided in both sides of cabinet.
- Return air entry possible on either side or bottom of cabinet.
- For bottom return air, cabinet has a perforated knockout pattern for easy removal.

Control Box

- Thermostat connections are made at control box which is located in blower compartment.
- Box contains safety interlock switch, blower/ignition control board, control transformer and circuit breaker.

Transformer

- 24 volt control transformer is furnished as standard.
- Factory installed in control box.
- Transformer has circuit breaker wired in series for added protection.

Blower

- Multi-speed direct drive blowers.
- Each blower assembly statically and dynamically balanced.
- Multiple-speed leadless motor resiliently mounted.
- Blower speeds are easily changed at harness connector on the blower motor.
- See blower performance tables.

OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

Condensate Drain Heat Cable Kits

- Self-limiting wattage heat cable prevents condensate drain from freezing in unconditioned areas.
- Heat cable kits are available in the following lengths: 50 ft. (15.2 m) - LB-88643C (**26K70**), 24 ft. (7.3 m) - LB-88643B (**26K69**) or 6 ft. (1.8 m) - LB-88643A (**26K68**)
- Also available Heat Cable Tape: 66 ft. (20 m) length, 1/2 in. (13 mm) wide fiberglass (**39G04**) or 60 ft. (18 m) length, 2 in. (51 mm) wide aluminum foil (**39G03**).

Filter and Rack Kit

- Washable or vacuum cleanable polyurethane frame type air filter and external rack available for field installation.
- Available in single and ten pack kits.
- See Specifications table for order no.

- For bottom return air applications, filter installs in furnace cabinet bottom.
- Secured by one fixed rear filter clip and two field installed side filter clips.

- For side return air applications, external filter rack field installs on either side of unit cabinet.
- Rack has filter door for easy filter servicing.
- Flanges on rack allow easy duct connection.
- See dimension drawing.

LPG/Propane Conversion Kit

- For LPG/propane models a conversion kit is required for field changeover from natural gas.
- See specifications table for order number.

Concentric Termination Kit

- Facilitates installation of combustion air intake pipe and flue exhaust pipe.
- 1-1/2 inch (38 mm) kit LB-49107CE (**60G77**) or 2 inch (51 mm) kit (**33K97**) contains concentric termination assembly, mounting clamp, roof flashing, reducer bushing and 45 degree elbow.
- Kit requires single hole penetration of roof or wall for installation.
- AGA/CGA certified.
- See Specifications table and dimension drawings.

Roof Termination Kit

- Facilitates installation of combustion air intake pipe and flue exhaust pipe.
- 2 inch (51 mm) kit, LB-49107CC (**15F75**), or 3 inch (76 mm) kit, LB-65678A (**44J41**), contains two neoprene rubber roof flashings.
- See Specifications table and dimension drawings.
- Refer to venting tables in this bulletin to determine pipe size needed and proper termination kit required.

Wall Assembly Termination Kits

- Facilitates installation of combustion air intake pipe and flue exhaust pipe.
- Refer to venting tables in this bulletin to determine pipe size needed and proper termination kit required.
- See Specifications table and dimension drawings.

Close Couple Kits

- (**22G44**) 2 inch (51 mm) or (**44J40**) 3 inch (76 mm) consists of close-couple side-by-side PVC piping with galvanized steel wall cover plate for sealing and isolating piping penetration of the wall.
- Piping spacing and length is sized for proper wall installations.
- CSA certified.

WTK Close Couple Kits

- 2 in. (51 mm) (**30G28**) or 3 in. (76 mm) (**81J20**) contains one insulated faceplate, one insulated exhaust pipe, elbow and fittings.

Wall Ring Kit (15F74)

- 2 inch (51 mm) contains 2 stainless steel outside seal caps, 2 galvanized steel inside seal caps, 4 seal rings for the caps and 18 inch (457 mm) insulation sleeve for sealing and isolating intake and exhaust piping penetration of wall.
- Maintain a maximum of 6 inches (152 mm) between the inlet and outlet openings in the installation of the pipes.
- See dimension drawings.

WTKX Extension Riser Kit (30G79)

- 2 inch (51 mm) is used where extended grade line clearance is required.
- Includes 3 ft. (1.0m) extension riser containing both vent lines (exhaust vent insulated) and wall securing bracket.
- See dimension drawings.

Thermostat

- Thermostat is not furnished.
- Single stage and two stage thermostats, heating only thermostats and heat-cool thermostats are available for all-season indoor climate control.
- See Thermostats bulletin in Thermostat and Control Systems section and Lennox Price Book.

SPECIFICATIONS

		Model No.	G32Q3-75	G32Q3/4-100	G32Q4/5-100	G32Q4/5-125
Gas Heating Performance	Input Btuh (kW) - High		75,000 (22.0)	100,000 (29.3)	100,000 (29.3)	125,000 (36.6)
	Input Btuh (kW) - Low		51,000 (15.0)	68,000 (19.9)	68,000 (19.9)	85,000 (24.9)
	Output Btuh (kW) - High		69,500 (20.3)	93,700 (27.5)	93,200 (27.3)	117,800 (34.5)
	Output Btuh (kW) - Low		47,300 (13.9)	63,700 (18.7)	63,400 (18.6)	80,000 (23.4)
	① AFUE		94.0%	94.0%	94.0%	94.2%
	② California Seasonal Efficiency		85.6%	86.3%	86.7%	89.0%
	Temperature rise range - °F (°C) Low Fire		20 - 50 (11 - 28)	20 - 50 (11 - 28)	20 - 50 (11 - 28)	35 - 65 (19 - 36)
		High Fire	30 - 60 (17 - 33)	30 - 60 (17 - 33)	30 - 60 (17 - 33)	50 - 80 (28 - 44)
	High static (AGA/CGA certified) - in. wg. (Pa)		.50 (125)	.50 (125)	.50 (125)	.50 (125)
	Connections	③ Exhaust pipe (PVC) - in. (mm) diameter		2 (51)	2 (51)	2 (51)
③ Intake pipe (PVC) - in. (mm) diameter			2 (51)	3 (76)	3 (76)	3 (76)
Condensate drain (PVC) - in. (mm)			3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)
Gas Piping Size I.P.S. - in. (mm)			1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)
Indoor Blower	Blower motor output - hp (W)		1/3 (249)	1/2 (373)	3/4 (560)	3/4 (560)
	Wheel nominal diameter x width - in.		10 x 8	10 x 10	11-1/2 x 9	11-1/2 x 9
		mm	254 x 203	254 x 254	292 x 229	292 x 229
	Add-on cooling - Tons		1 to 3	2 to 4	3-1/2 to 5	3-1/2 to 5
	kW		3.5 to 10.6	7.0 to 14.1	12.3 to 17.6	12.3 to 17.6
Shipping Data	Weight - lbs. (kg) 1 package		157 (71)	186 (84)	198 (90)	218 (99)
Electrical	120 volts - 60 hertz - 1 phase (all models) (less than 12 amps)					
OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA						
Condensate Drain Heat Cable	26K68 6 ft. (1.8 m) - 26K69 24 ft. (7.3 m) - 26K70 50 ft. (15.2 m)					
Condensate Drain Heat Cable Tape	39G04 - 1/2 in. (38 mm) fiberglass or 39G03 - 2 in. (25 mm) aluminum foil (1 roll)					
Filter and Filter Rack Kits	④ No. & size of filters - in. (mm)	Single (44J20) Ten Pack (66K61) (1) 14 x 25 x 1 (356 x 635 x 25)	Single (44J21) Ten Pack (66K62) (1) 20 x 25 x 1 (508 x 635 x 25)	Single (44J21) Ten Pack (66K62) (1) 20 x 25 x 1 (508 x 635 x 25)	Single (44J21) Ten Pack (66K62) (1) 20 x 25 x 1 (508 x 635 x 25)	Single (44J21) Ten Pack (66K62) (1) 20 x 25 x 1 (508 x 635 x 25)
LPG/Propane Kit (Honeywell)		11M55	11M55	11M55	11M55	11M55
Termination Kit - Concentric		60G77 1-1/2 inch (38 mm)	33K97 2 inch (51 mm)	33K97 2 inch (51 mm)	33K97 2 inch (51 mm)	33K97 2 inch (51 mm)
③ Termination Kits - Roof	2 inch (51 mm)	15F75	15F75	15F75	15F75	15F75
	3 inch (76 mm)	44J41	44J41	44J41	44J41	44J41
③ Termination Kits - Wall Assembly	2 inch (51 mm)	15F74 (wall ring kit) - 22G44 (close couple) - 30G28 (WTK close couple) - 30G79 (WTKX close couple with extension riser)				
	3 inch (76 mm)	44J40 (close couple) - 81J20 (WTK close couple)				

① Annual Fuel Utilization Efficiency based on U.S. DOE test procedures and FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

② Meets California Nitrogen Oxides (NO_x) Standard and California Seasonal Efficiency requirements.

③ Determine from venting tables proper intake and exhaust pipe size and termination kit required.

④ Polyurethane frame type filter.

NOTE - 2 inch x 3 inch (51 mm x 76 mm) adaptor is furnished with -100 and -125 furnaces for exhaust pipe connection.

BLOWER/WATTS DATA

G32Q3-75 BLOWER PERFORMANCE

External Static Pressure		Air Volume and Motor Watts at Specific Blower Taps											
in. w.g.	Pa	High			Medium-High			Medium-Low			Low		
		cfm	L/s	Watts	cfm	L/s	Watts	cfm	L/s	Watts	cfm	L/s	Watts
0	0	1490	705	650	1340	630	540	1060	500	440	870	410	360
.10	25	1435	675	625	1305	615	515	1050	495	425	865	410	350
.20	50	1385	655	605	1260	595	490	1025	485	405	850	400	335
.30	75	1330	630	580	1215	575	470	1000	470	385	835	395	325
.40	100	1260	595	560	1160	545	445	965	455	365	810	380	310
.50	125	1200	565	540	1100	520	420	920	435	345	770	365	290
.60	150	1125	530	515	1035	490	400	870	410	325	735	345	280
.70	175	1035	490	495	960	455	375	780	370	305	685	325	265
.80	200	935	440	475	865	410	345	725	340	285	-----	-----	-----
.90	225	805	380	445	630	295	295	540	255	240	-----	-----	-----

NOTE — All air data is measured external to unit with 1 in. (25 mm) cleanable foam filter (not furnished) in place. Also see Filter Air Resistance table.

G32Q3/4-100 BLOWER PERFORMANCE

External Static Pressure		Air Volume and Motor Watts at Specific Blower Taps											
in. w.g.	Pa	High			Medium-High			Medium-Low			Low		
		cfm	L/s	Watts	cfm	L/s	Watts	cfm	L/s	Watts	cfm	L/s	Watts
0	0	2065	975	920	1760	830	735	1570	740	655	1245	590	520
.10	25	2000	945	875	1730	815	705	1550	730	625	1240	585	490
.20	50	1925	910	845	1685	795	675	1515	715	590	1225	580	470
.30	75	1840	870	800	1625	765	630	1475	695	565	1210	570	455
.40	100	1740	820	760	1550	730	595	1415	670	535	1165	550	430
.50	125	1650	780	730	1460	690	560	1335	630	500	1110	525	405
.60	150	1545	730	700	1370	645	530	1260	595	475	1045	495	385
.70	175	1420	670	660	1250	590	495	1170	550	445	950	450	355
.80	200	1270	600	620	1110	525	445	1025	485	395	825	390	325
.90	225	1045	495	560	965	455	405	885	420	360	700	330	290

NOTE — All air data is measured external to unit with 1 in. (25 mm) cleanable foam filter (not furnished) in place. Also see Filter Air Resistance table.

G32Q4/5-100 BLOWER PERFORMANCE

External Static Pressure		Air Volume and Motor Watts at Specific Blower Taps														
in. w.g.	Pa	High			Medium-High			Medium			Medium-Low			Low		
		cfm	L/s	Watts	cfm	L/s	Watts	cfm	L/s	Watts	cfm	L/s	Watts	cfm	L/s	Watts
0	0	2400	1135	1255	2185	1030	1070	1940	915	905	1740	820	765	1570	740	665
.10	25	2350	1110	1230	2150	1015	1055	1920	905	885	1710	805	755	1525	720	645
.20	50	2290	1080	1185	2105	995	1025	1875	885	865	1685	795	740	1505	710	640
.30	75	2225	1050	1170	2060	970	1005	1845	870	850	1655	780	730	1485	700	630
.40	100	2165	1020	1130	2010	950	985	1805	850	835	1620	765	720	1450	685	620
.50	125	2105	995	1115	1950	920	960	1755	830	810	1585	750	700	1415	670	605
.60	150	2040	965	1080	1895	895	940	1700	800	790	1540	725	690	1380	650	595
.70	175	1955	925	1045	1820	860	915	1640	775	775	1475	695	670	1340	630	590
.80	200	1850	875	1005	1730	815	885	1580	745	755	1430	675	660	1290	610	580
.90	225	1770	835	985	1650	780	855	1505	710	740	1370	645	645	1225	580	565

NOTE — All air data is measured external to unit with 1 in. (25 mm) cleanable foam filter (not furnished) in place. Also see Filter Air Resistance table.

G32Q4/5-125 BLOWER PERFORMANCE

External Static Pressure		Air Volume and Motor Watts at Specific Blower Taps														
in. w.g.	Pa	High			Medium-High			Medium			Medium-Low			Low		
		cfm	L/s	Watts	cfm	L/s	Watts	cfm	L/s	Watts	cfm	L/s	Watts	cfm	L/s	Watts
0	0	2400	1135	1210	2175	1025	1040	1965	925	895	1790	845	780	1610	760	670
.10	25	2315	1090	1175	2125	1005	1025	1930	910	875	1760	830	770	1580	745	660
.20	50	2255	1065	1150	2080	980	1000	1880	885	860	1740	820	755	1550	730	645
.30	75	2195	1035	1130	2030	960	975	1840	870	835	1710	805	750	1520	715	635
.40	100	2120	1000	1100	1970	930	960	1790	845	815	1665	785	730	1495	705	630
.50	125	2050	965	1080	1910	900	934	1745	825	800	1620	765	715	1460	690	620
.60	150	1985	935	1050	1840	870	905	1685	795	785	1565	740	705	1415	670	610
.70	175	1885	890	1020	1770	835	890	1635	765	775	1515	715	685	1370	645	595
.80	200	1815	855	1005	1690	800	860	1570	740	750	1450	685	670	1315	620	580
.90	225	1735	820	980	1615	760	835	1485	700	725	1385	655	655	1245	590	565

NOTE — All air data is measured external to unit with 1 in. (25 mm) cleanable foam filter (not furnished) in place. Also see Filter Air Resistance table.

FILTER AIR RESISTANCE

cfm (L/s)	in. w.g. (Pa)
0 (0)	0.00 (0)
200 (95)	0.01 (0)
400 (190)	0.03 (5)
600 (285)	0.04 (10)
800 (380)	0.06 (15)
1000 (470)	0.09 (20)
1200 (565)	0.12 (30)
1400 (660)	0.15 (35)
1600 (755)	0.19 (45)
1800 (850)	0.23 (55)
2000 (945)	0.27 (65)
2200 (1040)	0.33 (80)
2400 (1130)	0.38 (95)
2600 (1225)	0.44 (110)

INSTALLATION CLEARANCES - IN. (MM)

Sides	0 inches (0 mm)
Rear	0 inches (0 mm)
Top	1 inch (25 mm)
□ Front	□ 0 inches (0 mm)
Floor	Combustible
Exhaust Pipe	0 inches (0 mm)
Exhaust Pipe (service)	6 inches (152 mm)
Service Clearance (front)	24 inches (610 mm)
Service Clearance (condensate side)	3 inches (76 mm)

NOTE—Air for combustion and supply air ventilation must conform to the methods outlined in American National Standard (ANSI-Z223.1) National Fuel Gas Code or National Standard of Canada CAN/CGA-149.1 and CAN/CGA-149.2 "Installation Code for Gas Burning Appliances".

NOTE—In the U.S. flue sizing must conform to the methods outlined in current GAMA/A.G.A. venting tables, American National Standard (ANSI-Z223.1) National Fuel Gas Code or applicable provisions of local building codes. In Canada flue sizing must conform to the methods outlined in National Standard of Canada CAN/CGA-149.1 and CAN/CGA-149.2.

□ Front clearance for alcove installations is 24 inches (610 mm).

HIGH ALTITUDE INFORMATION

No gas pressure adjustment is needed when operating from 0 to 4500 ft. (0 to 8 m). See below for correct manifold pressures for altitudes greater than 4500 ft. (1372 m) for natural gas.

Model No. FUEL - Natural Gas	Manifold Absolute Pressure (outlet) - in. w.g. (kPa)			
	0 to 4500 ft. (0 to 1372 m) above sea level	4501 to 5500 ft. (1373 to 1676 m) above sea level	5501 to 6500 ft. (1677 to 1981 m) above sea level	6501 to 7500 ft. (1982 to 2286 m) above sea level
G32-75	no adjustment			
G32-100	no adjustment	3.4 (0.85)	3.3 (0.82)	3.2 (0.80)
G32-125	no adjustment	3.4 (0.85)	3.3 (0.82)	3.2 (0.80)

INTAKE AND EXHAUST PIPE VENTING TABLE

Vent Pipe Maximum Equivalent Length		Minimum Vent Pipe Diameter Required					
Feet	Meters	75,000 Btuh (22.0 kW)		100,000 Btuh (29.3 kW)		125,000 Btuh (36.6 kW)	
		in.	mm	in.	mm	in.	mm
15	4.6	2	51	2	51	2	51
20	6.1	2	51	2	51	3	76
25	7.6	2	51	2	51	3	76
30	9.1	2	51	3	51	3	76
40	12.2	2	51	3	51	3	76
50	15.2	2	51	3	51	3	76
55	16.8	2	51	3	76	3	76
60	18.3	3	76	3	76	3	76
70	21.3	3	76	3	76	3	76
80	24.4	3	76	3	76	3	76
90	27.4	3	76	3	76	3	76
100	30.5	3	76	3	76	3	76
110	33.5	3	76	3	76	3	76
120	36.6	3	76	3	76	3	76
130	39.6	3	76	3	76	----	----

MINIMUM PIPE LENGTHS FOR FURNACES — **G32-75** — 5 feet (1.5 m) with two 90° elbows of 2 inch (51 mm) diameter pipe. (15 equivalent feet (4.6 m) total).

G32-100 — 5 feet (1.5 m) with two 90° elbows of 2 inch (51 mm) diameter pipe. (15 equivalent feet (4.6 m) total).

G32-125 — 5 feet (1.5 m) with two 90° elbows of 2 inch (51 mm) diameter pipe. (15 equivalent feet (4.6 m) total).

VENTING NOTES — One 90° elbow is equivalent to 5 feet (1.5 m) of straight vent pipe.

Two 45° elbows are equal to one 90° elbow.

One 45° elbow is equivalent to 2.5 feet (.75 m) of straight vent pipe.

One foot (305 mm) length of 2 in. (51 mm) diameter pipe is equivalent to 8 feet (2.4 m) of 3 in. (76 mm) diameter pipe.

Intake and Exhaust pipes must be the same diameter.

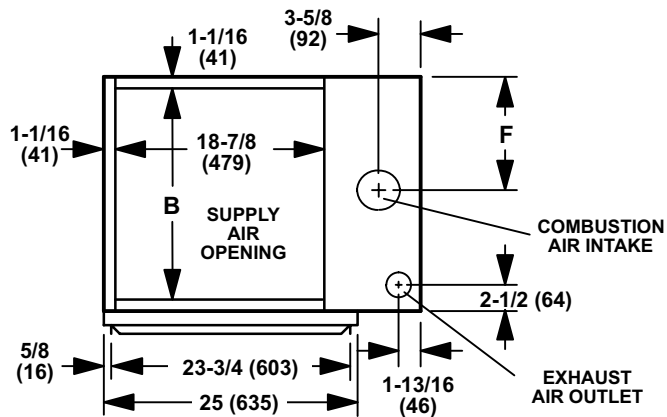
2 inch x 3 inch (51 mm x 76 mm) adaptor is furnished with -100 and -125 furnaces for exhaust pipe connection.

Exhaust pipe must terminate with 1-1/2 inch (38 mm) diameter pipe for furnaces using 1-1/2 (38 mm) or 2 inch (51 mm) diameter pipe runs.

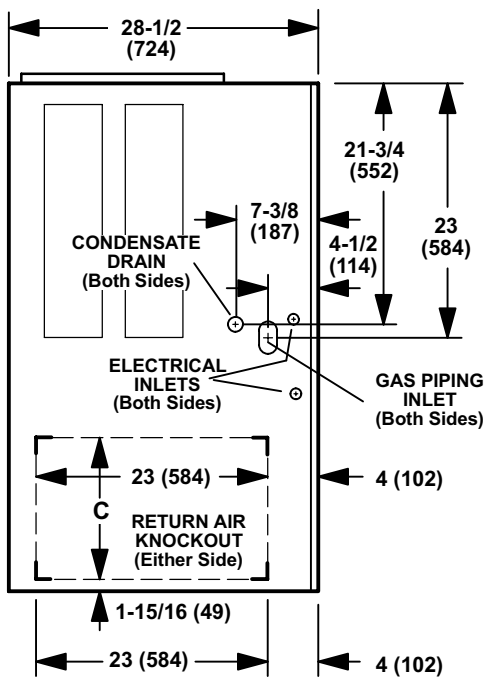
Exhaust pipe must terminate with 2 inch (51 mm) diameter pipe for furnaces using 3 inch (76 mm) diameter pipe runs.

See pages 9 thru 11 for Termination Kits available.

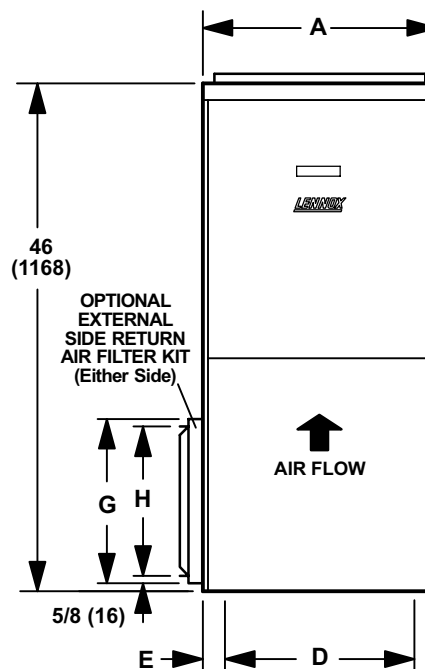
DIMENSIONS - INCHES (MM)



TOP VIEW



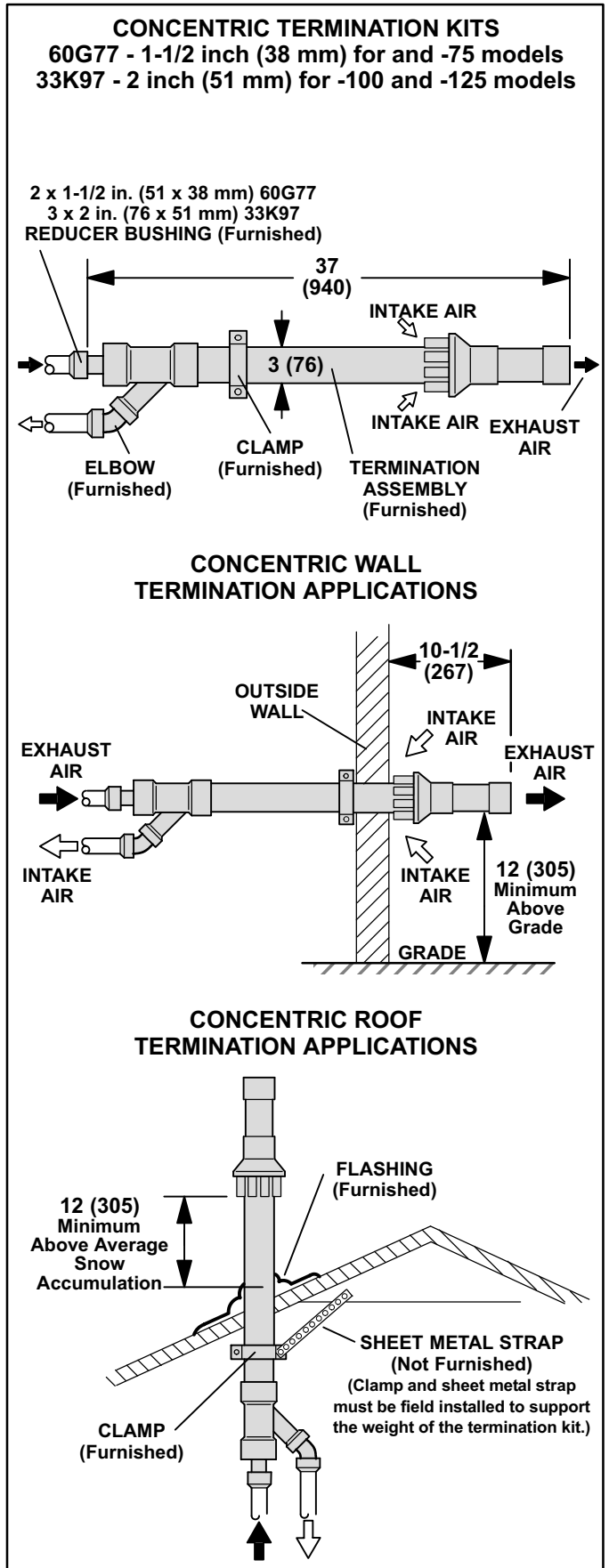
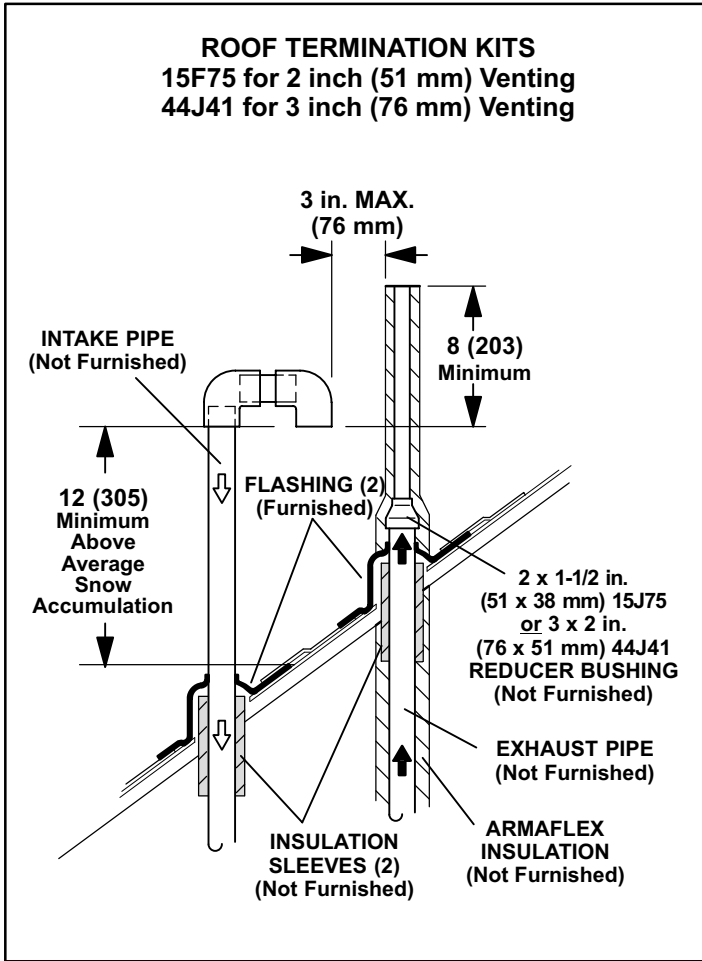
SIDE VIEW



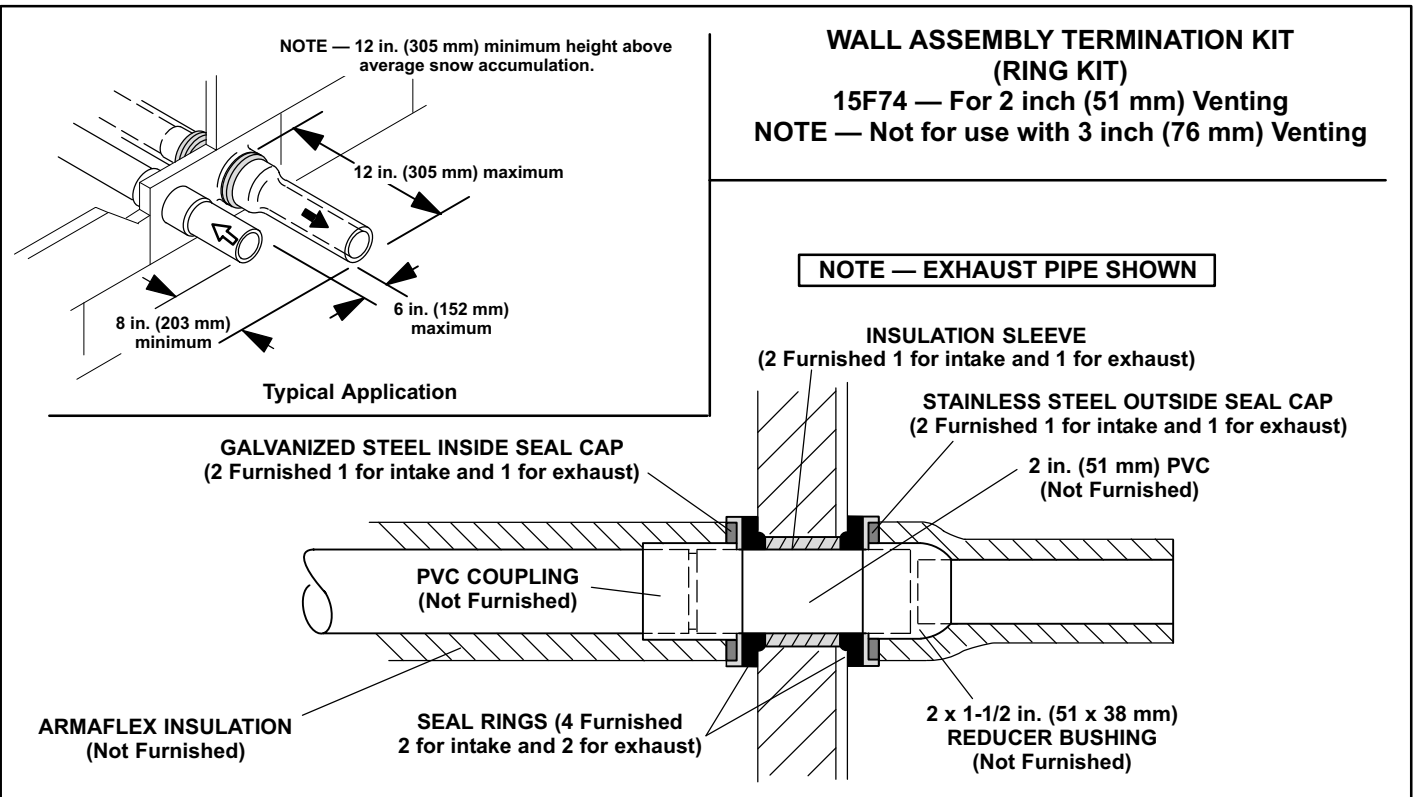
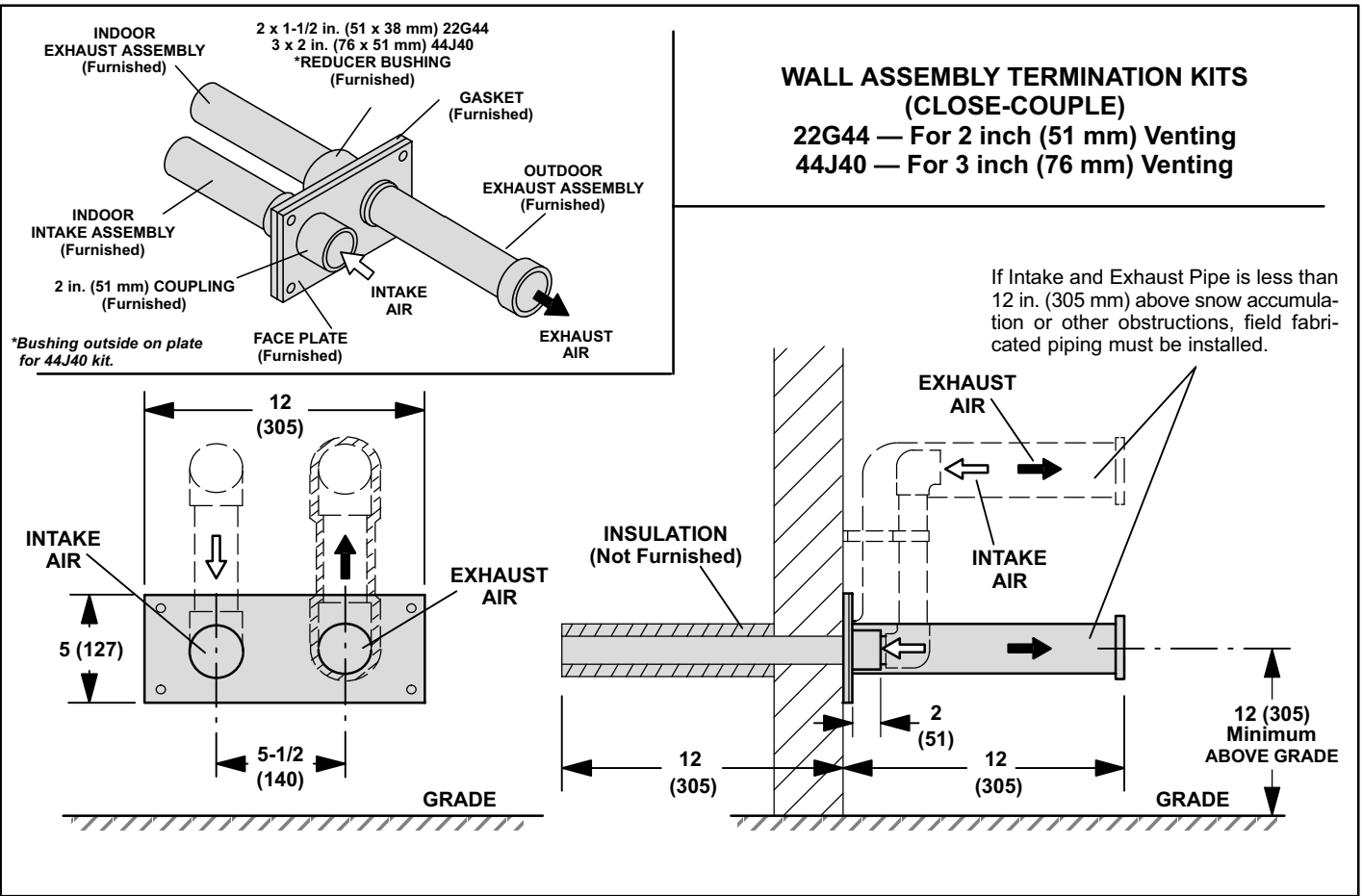
FRONT VIEW

Model No.	A		B		C		D		E		F		G		H	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
G32Q3-75	16-1/4	413	14-1/8	359	12	305	12	305	2-1/8	54	7-5/8	194	14	356	12-3/4	324
G32Q3/4-100 G32Q4/5-100	21-1/4	540	19-1/8	486	18	457	18	457	1-5/8	41	10-1/8	257	20	508	18-3/4	476
G32Q4/5-125	26-1/4	667	24-1/8	613	18	457	18	457	4-1/8	105	12-5/8	321	20	508	18-3/4	476

OPTIONAL ACCESSORY DIMENSIONS - INCHES (MM)



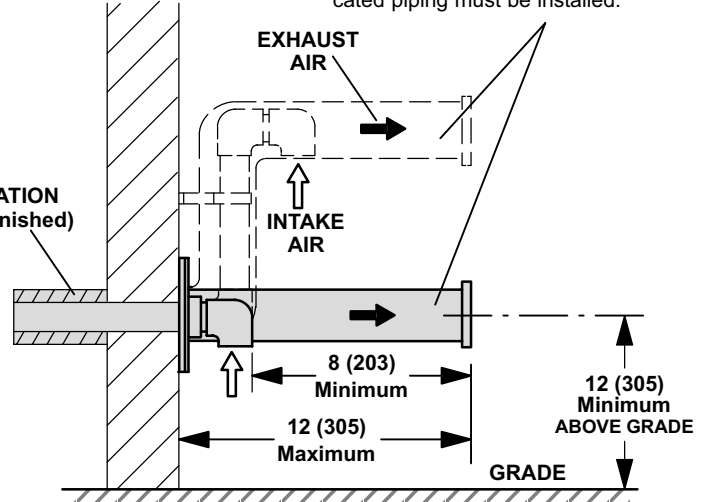
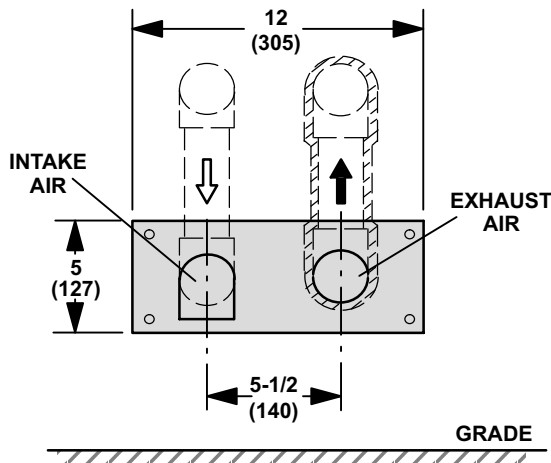
OPTIONAL ACCESSORY DIMENSIONS - INCHES (MM)



OPTIONAL ACCESSORY DIMENSIONS - INCHES (MM)

**WTK WALL ASSEMBLY TERMINATION KIT
WITH FIELD FABRICATION ABOVE
GRADE EXTENDED CLEARANCE
30G28 — For 2 inch (51 mm) Venting
81J20 — For 3 inch (76 mm) Venting**

If Intake and Exhaust Pipe is less than 12 in. (305 mm) above snow accumulation or other obstructions, field fabricated piping must be installed.



**WTKX WALL ASSEMBLY EXTENSION RISER TERMINATION KIT
30G79 — For 2 inch (51 mm) Venting
NOTE — Not for 3 inch (76 mm) Venting**

