

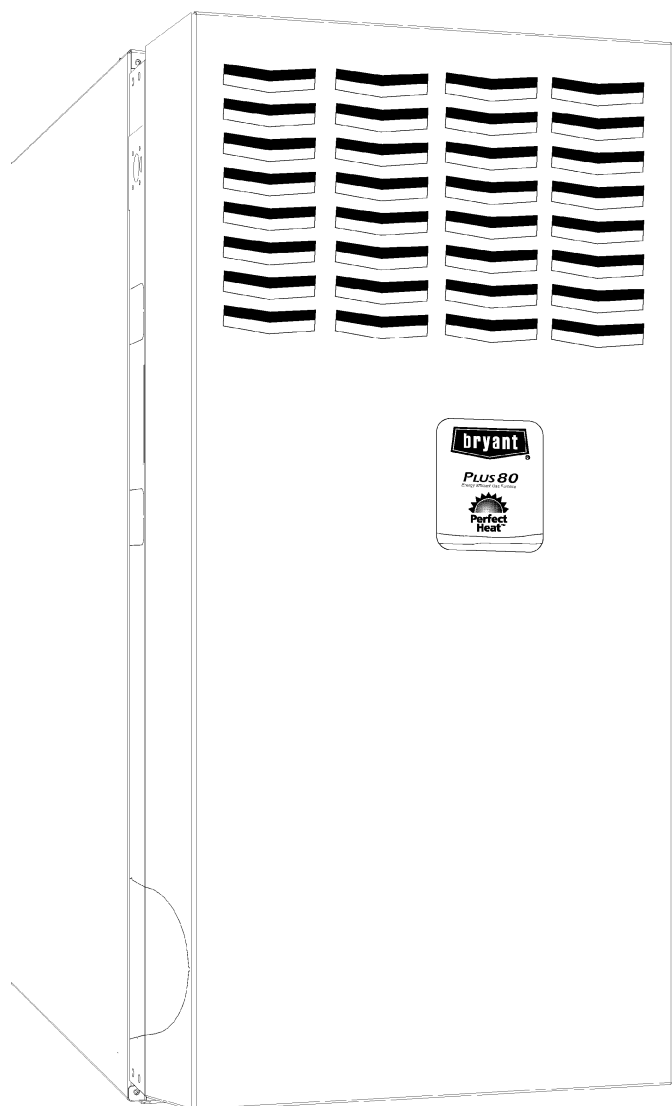


4-Way Multipoise Induced Combustion Gas Furnace

312AAV/312JAV

Sizes 045 thru 155

Series A



A02181



REGISTERED
QUALITY SYSTEM



MEETS DOE RESIDENTIAL CONSERVATION
SERVICES PROGRAM STANDARDS.

Before purchasing this appliance, read important
energy cost and efficiency information available
from your retailer.

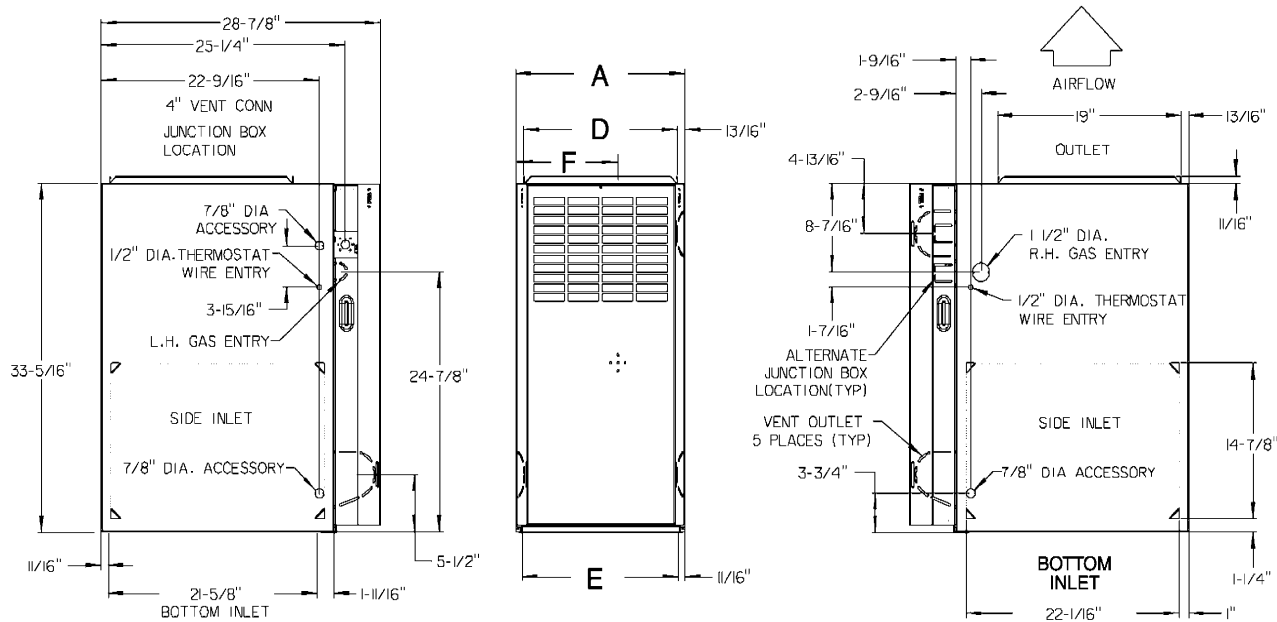
The 312AAV/JAV Two-stage 4-way Multipoise Gas Furnace offers outstanding comfort in an 80% AFUE furnace. You get the benefits of Perfect Heat™: reduced drafts, reduced sound levels, longer cycles, less temperature swings between cycles, less temperature differences between rooms, and improved indoor air quality. Plus, it features a dehumidify mode and the ability to change continuous fan speeds from the thermostat. The 312AAV/JAV furnaces are approved for use with natural or propane gas, and the 312JAV is approved for use in Low NOx Air Management Districts.

STANDARD FEATURES

- **Perfect Heat™ operation**
 - Two-stage heating
 - Very low operating sound through low-stage operation and noise elimination combustion system
- **Four-position furnace: upflow, horizontal right, horizontal left, downflow**
 - Thirteen different vent options
- **Shorter in height - only 33 1/3" tall**
- **Media Filter Cabinet included**
- **Microprocessor based "smart" control center**
 - Adapts heating stages to meet demand
 - Continuous Fan speed adjustable from thermostat
 - Adjustable heating air temperature rise
 - LED diagnostics, non-volatile fault code memory, and self test feature
- **Patented blocked vent safeguard to ensure proper furnace venting**
- **All models are Chimney Friendly when used with accessory vent kit**
- **Insulated blower compartment**
- **Heat pump compatible**
- **Hot surface Ignition (HSI)**
- **Residential installations eligible for consumer financing through the Comfort Credit Program**

LIMITED WARRANTY

- 20-year warranty on "Super S™" heat exchanger
- 5-year parts warranty on all other components



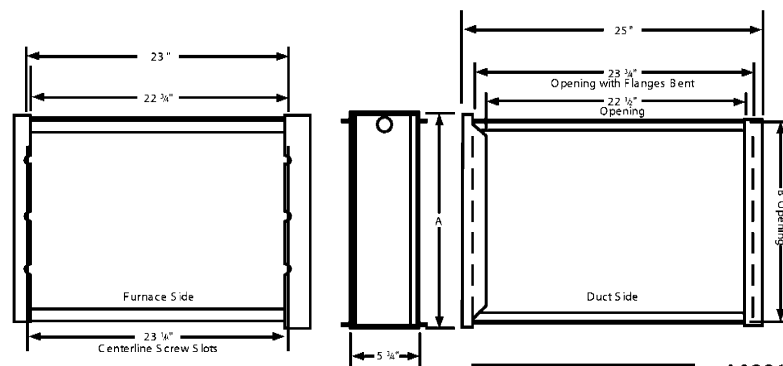
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- NOTES: 1. Two additional $\frac{7}{8}$ -in. dia knockouts are located in the top plate.
 2. Minimum return-air openings at furnace, based on metal duct. If flex duct is used, see flex duct manufacturer's recommendations for equivalent diameters.
 3. Minimum return-air opening at furnace:
 a. For 800 CFM-16-in. round or $14\frac{1}{2}$ x 12-in. rectangle.
 b. For 1200 CFM-20-in. round or $14\frac{1}{2}$ x $19\frac{1}{2}$ -in. rectangle.
 c. For 1600 CFM-22-in. round or $14\frac{1}{2}$ x $23\frac{1}{4}$ -in. rectangle.
 d. For airflow requirements above 1800 CFM, see Air Delivery table in Product Data literature for specific use of single side inlets. The use of both side inlets, a combination of 1 side and the bottom, or the bottom only will ensure adequate return air openings for airflow requirements above 1800 CFM.

312AAV/312JAV UNIT SIZE	A (CABINET WIDTH)	D (SUPPLY WIDTH)	E (BOTTOM RETURN WIDTH)	F (C.L. TOP VENT OUTLET)	VENT CONNECTION SIZE (see notes 1 & 2)	SHIPPING WEIGHT
024045	14-3/16	12-9/16	12-11/16	9-5/16	4	116
036045	14-3/16	12-9/16	12-11/16	9-5/16	4	119
024070	14-3/16	12-9/16	12-11/16	9-5/16	4	120
036070	14-3/16	12-9/16	12-11/16	9-5/16	4	124
048070	17-1/2	15-7/8	16-1/8	11-9/16	4	138
042090	17-1/2	15-7/8	16-1/8	11-9/16	4	136
048090	21	19-3/8	19-1/2	13-5/16	4	151
060090	21	19-3/8	19-1/2	13-5/16	4	156
036110	17-1/2	15-7/8	16-1/8	11-9/16	4	144
048110	21	19-3/8	19-1/2	13-5/16	4	158
066110	21	19-3/8	19-1/2	13-5/16	4	163
048135	21	19-3/8	19-1/2	13-5/16	4 (note 1)	163
066135	24-1/2	22-7/8	23	15-1/16	4 (note 1)	174
060155	24-1/2	22-7/8	23	15-1/16	4 (note 1)	181

1) 135 and 155 size furnaces require five-inch vents. Use a 4-5 inch vent adapter between furnace and vent stack.

2) See Installation Instructions for complete installation requirements.



Media/ Filter Cabinet	A	B
16"	17"	16"
20"	21"	20"
24"	25"	24"

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INSTALLATION

MINIMUM INCHES CLEARANCE TO COMBUSTIBLE CONSTRUCTION DISTANCE MINIMALE EN POUCES AUX CONSTRUCTIONS COMBUSTIBLES

This forced air furnace is equipped for use with natural gas at altitudes 0-10,000 ft (0-3,050m). An accessory kit, supplied by the manufacturer, shall be used to convert to propane gas use or may be required for some natural gas applications.

This furnace is for indoor installation in a building constructed on site.

This furnace may be installed on combustible flooring in alcove or closet at minimum clearance as indicated by the diagram from combustible material.

This furnace may be used with a Type B-1 Vent and may be vented in common with other gas-fired appliances.

Cette fournaise à air pulsé est équipée pour utilisation avec gaz naturel et altitudes comprises entre 0-3,050m (0-10,000 pi).

Utiliser une trousse de conversion, fournie par le fabricant, pour passer au gaz propane ou pour certaines installations au gaz naturel.

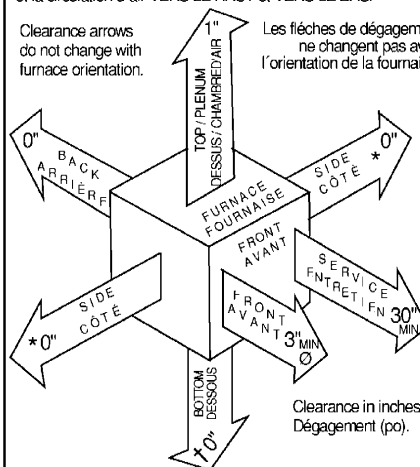
Cette fournaise est prévue pour être installée dans un bâtiment construit sur place.

Cette fournaise peut être installée sur un plancher combustible dans une alcôve ou dans un garde-robe en respectant le minimum d'espace libre des matériaux combustibles, tel qu'indiqué sur le diagramme.

Cette fournaise peut être utilisée avec un conduit d'évacuation de Type B-1 ou connectée au conduit commun d'autres appareils à gaz.

This furnace is approved for UPFLOW, DOWNFLOW, and HORIZONTAL installations.
Cette fournaise est approuvée pour l'installation HORIZONTALE et la circulation d'air VERS LE HAUT et VERS LE BAS.

Clearance arrows do not change with furnace orientation.
Les flèches de dégagement ne changent pas avec l'orientation de la fournaise.



Vent Clearance to combustibles:

For Single Wall vents 6 inches (6 po).

For Type B-1 vent type 1 inch (1 po).

Dégagement de l'évent avec combustibles:

Pour conduit d'évacuation à paroi simple 6 po (6 inches).

Pour conduit d'évacuation de Type B-1 1 po (1 inch).

MINIMUM INCHES CLEARANCE TO COMBUSTIBLE CONSTRUCTION

† DOWNFLOW POSITIONS:

Installation on non-combustible floors only.

For Installation on combustible flooring only when installed on special base, Part No. KGASB0201ALL,

Ø Coil Assembly, Part No. CD5 or CK5, or Coil Casing, Part No. KCAKC.

18 inches front clearance required for alcove.

★ Indicates supply or return sides when furnace is in the horizontal position. Line contact only permissible between lines formed by intersections of the Top and two Sides of the furnace jacket, and building joists, studs or framing.

DÉGAGEMENT MINIMUM EN POUCES AVEC ÉLÉMENTS DE CONSTRUCTION COMBUSTIBLES

† POUR LA POSITION COURANT DESCENDANT:

Pour l'installation sur plancher non combustible seulement.

Pour l'installation sur un plancher combustible seulement quand on utilise la base spéciale, pièce n° KGASB0201ALL,

l'ensemble serpentin, pièce n° CD5 ou CK5, ou le carter de serpentin, pièce n° KCAKC.

Ø Dans une alcôve, on doit maintenir un dégagement à l'avant de 18 po (450 mm).

★ La position indiquée concerne le côté d'entrée ou de retour quand la fournaise est dans la position horizontale.

Le contact n'est permis qu'entre les lignes formées par les intersections du dessus et des deux côtés de la chemise de la fournaise et les solives, montant sous cadre de charpente.

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CONTROLS-THERMOSTATS AND ZONING

THERMOSTAT- NON-PROGRAMMABLE	Auto Changeover, °F/°C, 1-S tage Heat/1-S tage Cool - TSTATBBNAC01-B Auto Changeover, °F/°C, 2-S tage Heat/1-S tage Cool - TSTATBBNHP01-B Auto Changeover, °F/°C, 2-S tage Heat/2-S tage Cool - TSTATBBN2S01-B in AC Mode, 3-S tage Heat/2-S tage Cool in HP Mode Air Conditioner, 1-S tage Heat/1-S tage Cool, Manual Changeover, °F/°C - TSTATBBBAC01 Heat Pump, 2-S tage Heat/1-S tage Cool, Manual Changeover, °F/°C - TSTATBBBHP01 *
THERMOSTAT- PROGRAMMABLE	Auto Changeover, 7-Day Programmable, °F/°C, 1-S tage Heat/1-S tage Cool - TSTATBBPAC01-B Auto Changeover, 7-Day Programmable, °F/°C, 2-S tage Heat/1-S tage Cool - TSTATBBP01-B Auto Changeover, 7-Day Programmable, °F/°C, 2-S tage Heat/2-S tage Cool - TSTATBBP2S01-B in AC Mode, 3-S tage Heat/2-S tage Cool in HP Mode Dual Fuel Thermostat, includes Outdoor Air Temperature Sensor - TSTATBBPDF01-B * Thermostat Control - Non-Programmable/Programmable Thermostat - TSTATBBPRH01-B * with Humidity Control (For use in Dual Fuel, AC, HP, and 2S applications. Includes Outdoor Air Temperature Sensor.)
ZONING- 2-ZONE	ZONEBB2KIT01-B, ZONEKIT2ZBDP
ZONING- 4-ZONE	ZONEBB4KIT01-B
ZONING- 8-ZONE	ZONEBB8KIT01-B

* Do not use in zoning heat pump applications.

SPECIFICATIONS

UNIT SIZE		024045	036045	024070	036070	042090	048090	
RATINGS AND PERFORMANCE								
Input Btuh* Nonweatherized ICS	312JAV Upflow; all 312AAV	-High	44,000	44,000	66,000	66,000	88,000	88,000
		-Low	29,000	29,000	43,500	43,500	58,000	58,000
	312JAV Downflow/Horizontal	-High	42,000	42,000	63,000	63,000	84,000	84,000
		-Low	29,000	29,000	43,500	43,500	58,000	58,000
Output Capacity (Btuh) † Nonweatherized ICS	312JAV Upflow; all 312AAV	-High	35,000	36,000	54,000	54,000	71,000	71,000
		-Low	23,000	23,000	36,000	36,000	47,000	47,000
	312JAV Downflow/Horizontal	-High	34,000	34,000	51,000	51,000	68,000	68,000
		-Low	23,000	23,000	36,000	36,000	47,000	47,000
AFUE †			80.0	80.0	80.0	80.0	80.0	80.0
Certified Temperature Rise Range °F		High	30-60	20-50	40-70	30-60	40-70	30-60
		Low	20-50	15-45	30-60	30-60	25-55	25-55
Certified External Static Pressure		Heat/Cool	0.10/0.50	0.10/0.50	0.12/0.50	0.12/0.50	0.15/0.50	0.15/0.50
Airflow CFM ‡		Heating High/Low	820/725	1030/860	790/685	885/695	1375/1195	1265/1030
		Cooling	895	1175	955	1240	1385	1755
ELECTRICAL								
Unit Volts-Hertz-Phase		115-60-1						
Operating Voltage Range		Min-Max	104-127					
Maximum Unit Amps			5.4	7.1	5.2	7.3	8.2	9.9
Maximum Wire Length (Measured 1 Way in Ft)			49	38	51	37	34	28
Minimum Wire Size			14					
Maximum Fuse or Ckt Bkr Size (Amps)**			15					
Transformer (24v)			40va					
External Control		Heating	12va					
Power Available		Cooling	35va					
Air Conditioning Blower Relay			Standard					
CONTROLS								
Limit Control			SPST					
Heating Blower Control			Solid-State Time Operation					
Burners (Monoport)			2	2	3	3	4	4
Gas Connection Size			1/2-in. NPT					
GAS CONTROLS								
Gas Valve (Redundant)			White Rodgers					
		Min Inlet Pressure (In. wc)	4.5 (Natural Gas)					
		Max Inlet Pressure (In. wc)	13.6 (Natural Gas)					
Ignition Device			Hot Surface					
BLOWER DATA								
Direct-Drive Motor HP (PSC)			1/5	1/3	1/5	1/3	1/3	1/2
Motor Full Load Amps			2.8	5.1	2.8	5.1	5.1	7.4
RPM (Nominal)-5 speeds			1075-4	1075-5	1075-4	1075-5	1075-4	1075-5
Blower Wheel Diameter x Width (In.)			10 x 6	10 x 6	10 x 6	10 x 6	10 x 8	10 x 10

* Gas input ratings are certified for elevations to 2000 ft. For elevations above 2000 ft, reduce ratings 4 percent for each 1000 ft above sea level. Refer to National Fuel Gas Code Table F4 or furnace Installation Instructions. In Canada, derate the unit 10 percent for elevations 2000 ft to 4500 ft above sea level.

** Time-delay type is recommended.

† Capacity in accordance with U.S. Government DOE test procedures.

‡ Airflow shown is for bottom only return-air supply. For air delivery above 1800 CFM, see Air Delivery table for other options. A filter is required for each return-air supply. An airflow reduction of up to 7% may occur when using the factory-specified 4-5/16-inch wide, high efficiency media filter.

ICS-Isolated Combustion System

N/A-Not Applicable

SPECIFICATIONS

UNIT SIZE		036110	048110	066110	048135	066135	060155	
RATINGS AND PERFORMANCE								
Input Btuh* Nonweatherized ICS	312JAV Upflow; all 312AAV	-High	110,000	110,000	110,000	132,000	132,000	154,000
		-Low	72,500	72,500	72,500	87,000	87,000	101,500
	312JAV Downflow/Horizontal	-High	105,000	105,000	105,000	126,000	126,000	147,000
		-Low	72,500	72,500	72,500	87,000	87,000	101,500
Output Capacity (Btuh) † Nonweatherized ICS	312JAV Upflow; all 312AAV	-High	89,000	89,000	89,000	107,000	107,000	124,000
		-Low	59,000	59,000	59,000	70,000	70,000	82,000
	312JAV Downflow/Horizontal	-High	85,000	85,000	85,000	102,000	102,000	119,000
		-Low	59,000	59,000	59,000	70,000	70,000	82,000
AFUE †			80.0	80.0	80.0	80.0	80.0	80.0
Certified Temperature Rise Range °F		High	50-80	40-70	30-60	50-80	40-70	45-75
		Low	30-60	25-55	20-50	30-60	25-55	30-60
Certified External Static Pressure		Heat/Cool	0.20/0.50	0.20/0.50	0.20/0.80	0.20/0.50	0.20/0.50	0.20/0.50
Airflow CFM ‡		Heating High/Low	1335/1180	1290/1045	1555/1295	1525/1320	1850/1635	1790/1565
		Cooling	1355	1695	2200	1710	2110	2230
ELECTRICAL								
Unit Volts-Hertz-Phase		115-60-1						
Operating Voltage Range		Min-Max	104-127					
Maximum Unit Amps			8.3	10.2	13.8	10.0	14.3	15.0
Maximum Wire Length (Measured 1 Way in Ft)			34	27	32	28	31	29
Minimum Wire Size			14		12	14	12	
Maximum Fuse or Ckt Bkr Size (Amps)**			15		20	15	20	
Transformer (24v)			40va					
External Control		Heating	12va					
Power Available		Cooling	35va					
Air Conditioning Blower Relay			Standard					
CONTROLS								
Limit Control			SPST					
Heating Blower Control			Solid-State Time Operation					
Burners (Monoport)			5	5	5	6	6	7
Gas Connection Size			1/2-in. NPT					
GAS CONTROLS								
Gas Valve (Redundant)			White Rodgers					
		Min Inlet Pressure (In. wc)	4.5 (Natural Gas)					
		Max Inlet Pressure (In. wc)	13.6 (Natural Gas)					
Ignition Device			Hot Surface					
BLOWER DATA								
Direct-Drive Motor HP (PSC)			1/3	1/2	3/4	1/2	3/4	3/4
Motor Full Load Amps			5.2	7.4	11.0	7.9	11.1	11.1
RPM (Nominal)-Speeds			1075-4	1075-5	1075-5	1075-4	1075-4	1075-4
Blower Wheel Diameter x Width (In.)			10 x 8	10 x 10	11 x 11	10 x 10	11 x 11	11 x 11

* Gas input ratings are certified for elevations to 2000 ft. For elevations above 2000 ft, reduce ratings 4 percent for each 1000 ft above sea level. Refer to National Fuel Gas Code Table F4 or furnace Installation Instructions. In Canada, derate the unit 10 percent for elevations 2000 ft to 4500 ft above sea level.

** Time-delay type is recommended.

† Capacity in accordance with U.S. Government DOE test procedures.

‡ Airflow shown is for bottom only return-air supply. For air delivery above 1800 CFM, see Air Delivery table for other options. A filter is required for each return-air supply. An airflow reduction of up to 7% may occur when using the factory-specified 4-5/16-inch wide, high efficiency media filter.

ICS-Isolated Combustion System

N/A-Not Applicable

FACTORY-AUTHORIZED DEALER-INSTALLED ACCESSORIES																
DESCRIPTION	PART NO.	024045	036045	024070	036070	048070	042090	048090	060090	036110	048110	066110	048135	066135	060155	
EZ Flex Media Filter with end caps - 16 i n. (9 pack)	EXPXXUNV0016	x	x	x	x	x	x			x						
EZ Flex Media Filter with end caps - 20 i n. (9 pack)	EXPXXUNV0020							x	x		x	x	x			
EZ Flex Media Filter with end caps - 24 i n. (6 pack)	EXPXXUNV0024													x	x	
Replacement EZ Flex Filter - 16 in. (10 pack)	EXPXXFIL0016	x	x	x	x	x	x			x						
Replacement EZ Flex Filter - 20 in. (10 pack)	EXPXXFIL0020							x	x		x	x	x			
Replacement EZ Flex Filter - 24 in. (10 pack)	EXPXXFIL0024													x	x	
Unframed filter, one inch - 16x25	KGAWF1301UFR KGAWF1306UFR (6-pack)	x	x	x	x	x	x	s	s	x	s	s	s	s	s	
Unframed filter, one inch - 20x25	KGAWF1401UFR KGAWF1406UFR (6 pack)							x	x		x	x	x			
Unframed filter, one inch - 24x25	KGAWF1501UFR KGAWF1506UFR (6 pack)													x	x	
Twinning Kit	KGATW0601HSI	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Combustible Floor Base (not required when evaporator coil case is used)	KGASB0201ALL	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Downflow Vent Guard (not required when vent is routed through cabinet)	KGAVG0101DFG	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Vent Extension Kit (may be used when vent is routed through cabinet in downflow)	KGAVE0101DNH	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Chimney Adapter Kit - 4 i nch vent	KGACA02014FC	x	x	x	x	x	x	x	x	x	x	x				
Chimney Adapter Kit - 5 i nch vent	KGACA02015FC												x	x	x	
Natural-to-Propane Gas Conversion Kit (Single Kit) *	KGANP2901ALL	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Propane-to-Natural Gas Conversion Kit (Single Kit)	KGAPN2301ALL	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Gas Orifice Kit (Qty 50) Size 42	KGAHA0150N42	See Installation Instructions for model, altitude, and heat value usages.														
Gas Orifice Kit (Qty 50) Size 43	KGAHA0250N43															
Gas Orifice Kit (Qty 50) Size 44	KGAHA0350N44															
Gas Orifice Kit (Qty 50) Size 45	KGAHA0450N45															
Gas Orifice Kit (Qty 50) Size 46	KGAHA0550N46															
Gas Orifice Kit (Qty 50) Size 47	KGAHA1550N47															
Gas Orifice Kit (Qty 50) Size 48	KGAHA1650N48															
Gas Orifice Kit (Qty 50) Size 54	KGAHA0650P54															
Gas Orifice Kit (Qty 50) Size 55	KGAHA0750P55															
Gas Orifice Kit (Qty 50) Size 56	KGAHA0850P56															
Gas Orifice Kit (Qty 50) 1.25 mm	KGAHA5750125															
Gas Orifice Kit (Qty 50) 1.30 mm	KGAHA5750130															

* Factory-authorized and field installed. Gas conversion kits are A.G.A./C.G.A. recognized.

s 16x25 filters suitable for side return on all furnace sizes.

AIR DELIVERY-CFM (With Filter)*

UNIT SIZE	RETURN-AIR SUPPLY	SPEED	EXTERNAL STATIC PRESSURE (In. wc)									
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
024045	Bottom or Side(s)	High	1120	1075	1020	960	895	815	720	605	455	340
		Med-High	930	890	850	805	750	680	600	500	345	195
		Med-Low	820	785	750	700	650	585	505	400	235	---
		Low	725	690	655	605	555	495	405	305	---	---
036045	Bottom or Side(s)	High	1465	1400	1325	1250	1175	1085	980	860	725	560
		Med-High	1295	1260	1210	1155	1090	1015	930	830	700	545
		Medium	1150	1120	1085	1040	985	920	835	740	620	510
		Med-Low	1030	1010	980	945	895	835	765	685	570	345
024070	Bottom or Side(s)	High	1140	1105	1055	1010	955	885	815	715	545	390
		Med-High	915	885	855	825	785	725	655	530	420	280
		Med-Low	795	770	740	700	655	600	510	420	325	---
		Low	690	665	630	590	550	475	415	340	245	---
036070	Bottom or Side(s)	High	1440	1400	1355	1300	1240	1170	1090	1000	890	745
		Med-High	1180	1165	1150	1125	1085	1030	970	890	785	645
		Medium	1015	1020	1010	990	965	925	875	800	700	560
		Med-Low	885	885	880	865	845	815	770	700	605	475
042090	Bottom or Side(s)	High	1650	1600	1535	1465	1385	1285	1175	1055	895	645
		Med-High	1515	1485	1440	1380	1300	1220	1115	990	830	600
		Med-Low	1385	1360	1320	1260	1195	1120	1025	915	710	565
		Low	1205	1180	1160	1120	1065	1005	925	810	630	510
048090	Bottom or Side(s)	High	2060	2000	1930	1835	1755	1620	1490	1315	1115	910
		Med-High	1710	1695	1665	1585	1480	1390	1245	1110	955	775
		Medium	1470	1475	1450	1390	1335	1230	1120	1005	855	690
		Med-Low	1260	1265	1245	1225	1165	1090	995	880	750	600
036110	Bottom or Side(s)	High	1625	1575	1515	1445	1355	1260	1165	990	785	595
		Med-High	1510	1470	1415	1355	1285	1185	1070	890	725	530
		Med-Low	1360	1335	1295	1250	1180	1100	985	810	670	475
		Low	1195	1180	1155	1115	1065	980	860	740	605	410
048110	Bottom or Side(s)	High	2055	1990	1910	1815	1695	1575	1425	1230	1090	910
		Med-High	1750	1725	1670	1605	1515	1400	1255	1120	975	785
		Medium	1545	1525	1490	1445	1355	1260	1135	1020	880	750
		Med-Low	1300	1290	1275	1235	1165	1085	1005	895	750	620
066110	Bottom Only	High	2530	2460	2380	2285	2200	2085	1970	1835	1695	1545
		Med-High	2225	2190	2135	2075	1995	1910	1805	1695	1565	1430
		Medium	1895	1885	1865	1820	1770	1700	1610	1520	1410	1290
		Med-Low	1565	1555	1535	1505	1465	1410	1350	1265	1175	1050
066110	Both Sides or 1 Side & Bottom	Low	1320	1295	1265	1235	1205	1160	1105	1035	950	870
	1 Side Only	High	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.
		Med-High	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.
		Medium	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.
048135	Bottom or Side(s)	High	2090	2010	1930	1835	1710	1590	1470	1335	1025	835
		Med-High	1790	1755	1705	1640	1550	1465	1360	1210	945	785
		Med-Low	1545	1525	1500	1450	1380	1315	1215	1005	855	670
		Low	1325	1320	1295	1265	1210	1150	995	865	745	540
066135	Bottom Only	High	2485	2400	2310	2215	2110	2000	1880	1725	1535	1355
		Med-High	2195	2150	2090	2000	1920	1825	1720	1565	1405	1255
		Med-Low	1880	1850	1820	1780	1715	1635	1540	1415	1290	1160
		Low	1640	1635	1615	1585	1530	1465	1370	1255	1150	1040
066135	Both Sides or 1 Side & Bottom	High	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.
	1 Side Only	Med-High	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.
		Medium	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.
		Med-Low	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.	T.B.A.
060155	Bottom Only	High	2320	2250	2155	2055	1970	1855	1725	1600	1450	1280
		Med-High	2125	2065	1995	1910	1815	1710	1610	1490	1340	1175
		Med-Low	1845	1825	1765	1710	1650	1570	1475	1370	1240	1100
		Low	1640	1620	1580	1540	1485	1410	1330	1220	1080	960
060155	Both Sides or 1 Side & Bottom	High	2465	2430	2375	2305	2230	2110	2000	1865	1725	1545
	1 Side Only	Med-High	2115	2105	2075	2030	1980	1910	1830	1725	1590	1425
		Med-Low	1800	1790	1770	1735	1695	1640	1570	1465	1345	1225
		Low	1570	1565	1551	1525	1495	1445	1370	1270	1175	1070

* A filter is required for each return-air supply. Airflow performance includes 1" washable filter media such as contained in factory-authorized accessory filter rack.

To determine airflow performance without this filter, assume an additional .1 available external static pressure.

-Indicates unstable operating conditions.



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

UNIT MUST BE INSTALLED IN ACCORDANCE
WITH INSTALLATION INSTRUCTIONS

Cancels: New