



BROCK

HEATING & COOLING



SUMMER 2020
**BROCK HEATING
AND COOLING
CATALOGUE**

Live in Comfort

brockhvac.com

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Originally founded in 1946, Brock Engineering & Manufacturing Inc. has been a leader in HVAC/R innovations and continues to develop affordable home comfort solutions today. Since 2001, Brock has been owned by Wolseley Canada, a leading distributor of HVAC/R, plumbing and industrial products. Presently, Brock remains a proudly Canadian-operated company and North American manufacturer.



With over 75 years of experience, Brock continues to build reliable products, parts and accessories for the heating, ventilation, and air conditioning industry. Brock remains dedicated to providing quality manufactured products at competitive prices and innovative home comfort solutions to homes across North America.

All Brock manufactured products are backed with UL, AHRI, ISO 9001 Quality and CEC Certifications.



BROCK
PROUDLY CANADIAN
FOR OVER 75 YEARS

GAS FURNACE



BROPG95ESAA 35-in CONDENSING GAS FURNACE



ENGINEERED PERFORMANCE

- Fixed-speeds, constant torque (FCT) ECM blower motor for electrically efficient operation all year long in heating, cooling and continuous fan operation.
- Single-speed inducer motor, and single-stage gas valve.
- Silicon Nitride Hot Surface Igniter.
- **Adjustable blower speed** for heating and cooling.
- Aluminized-steel primary heat exchanger.
- Stainless-steel condensing secondary heat exchanger.

The BROPG95ESAA Multi-Position Condensing Gas Furnace features a single-stage gas valve and a fixed-speeds, constant torque (FCT) ECM blower motor. With an Annual Fuel Utilization Efficiency (AFUE) of up to 96.0% AFUE, this furnace provides added savings over standard gas furnaces. It features 4-way multi-position installation flexibility, and is available in ten model sizes. All sizes except the 26,000 BTUH model can be vented for direct vent/two-pipe, ventilated combustion air, or single-pipe applications. The 26,000 BTUH model can use the same 2-pipe venting system using outside air for combustion, but is not considered direct-vent. All sizes are design certified in Canada.

Dual Fuel System — This system can provide more control over your monthly energy bills by automatically selecting the most economical method of heating. Our system automatically switches between the gas furnace and the electric heat pump as outside temperatures change to maintain greater efficiency and comfort. The heat pump also delivers high-efficiency cooling in the summer.

Robust Igniter — The unique SiN igniter is not only physically robust but it is also electrically robust. It can run at line voltage and does not require complex voltage regulators as do other brands. This unique feature further enhances reliability and continues a tradition of technology leadership and innovation.

ECM Blower Motor — This basic ECM, or electronically commutated motor, can provide an efficiency enhancement for select air conditioner or heat pump systems. It uses less electrical power than its PSC counterpart and has 5 speeds.

Reliable Heat Exchanger Design — The aluminized steel, clam shell primary heat exchanger has a crimped, no-weld seam that creates an efficient, robust design for this essential component. Stainless steel coupling box componentry between heat exchangers has exceptional corrosion resistance in both natural gas and propane applications.

4-Way Multi-Position Design — One model for all applications –there is no need to stock special downflow or horizontal models when one unit will do it all.

Sealed Combustion System — This furnace brings in combustion air from outside the furnace, which results in especially quiet operation. By sealing the entire combustion vestibule, the entire furnace can be made quieter, not just the burners.

Insulated Casing — Foil-faced insulation in the heat exchanger section of the casing minimizes heat loss.

Monoport Burners — The burners are specially designed and finely tuned for smooth, quiet combustion and economical operation.

Bottom Closure — Factory-installed for side return; easily removable for bottom return.

Blower Access Panel Switch — Automatically shuts off 115-v power to furnace whenever blower access panel is opened.

Quality Registration — Our furnaces are engineered and manufactured under a quality management system registered to ISO 9001.

BROPG95ESAA – CONDENSING GAS FURNACE



FURNACE	CASING DIMENSIONS (IN.)			RATED HEATING OUTPUT [†] BTUH	AFUE		HEATING AIRFLOW		COOLING CFM @ 0.5 ESP (in. W.C.)	MOTOR HP
	H	D	W		UPFLOW/ HORIZONTAL	DOWN-FLOW	HEATING CFM ‡	HEATING ESP (in. W.C.)		
BROPG95ESAA30026A	35	29.50	14.20	25,000	96.0%	95.0%	605	0.10	895	1/3
BROPG95ESAA30040A	35	29.50	14.20	39,000	96.0%	95.0%	695	0.10	950	1/2
BROPG95ESAA36040B	35	29.50	17.50	39,000	96.0%	95.0%	650	0.10	1010	1/2
BROPG95ESAA36060A	35	29.50	14.20	58,000	95.0%	95.0%	930	0.12	1120	1/2
BROPG95ESAA42060B	35	29.50	17.50	58,000	96.0%	95.0%	1010	0.12	1330	3/4
BROPG95ESAA48080B	35	29.50	17.50	78,000	96.0%	95.0%	1325	0.12	1665	3/4
BROPG95ESAA60080C	35	29.50	21.00	78,000	96.0%	95.0%	1330	0.12	1855	1
BROPG95ESAA60100C	35	29.50	21.00	97,000	96.0%	95.0%	1730	0.15	2125	1
BROPG95ESAA66120D	35	29.50	24.00	116,000	96.0%	95.0%	2020	0.20	2105	1
BROPG95ESAA66140C	35	29.50	24.00	135,000	95.0%	95.0%	2130	0.20	2310	1

GAS FURNACE



ENGINEERED PERFORMANCE

- Variable-speed, constant-torque ECM blower motor, two-speed inducer motor, and two-stage gas valve.
- Fully-insulated casing including blower section.
- Aluminized-steel primary heat exchanger.
- Stainless-steel condensing secondary heat exchanger.
- Silicon Nitride Hot Surface Igniter.
- Adjustable blower speed for heating, cooling, continuous fan, and dehumidification.



BROPG96VTAA

Variable Speed, Two-Stage Non-Communicating 35-in Condensing Gas Furnace



The BROPG96VTAA Multi-Position Condensing Gas Furnace features a two-stage gas valve and a variable speed, constant torque (VCT) ECM blower motor. With an Annual Fuel Utilization Efficiency (AFUE) of up to 96.0% AFUE, this furnace provides added savings over standard gas furnaces. It features 4-way multi-position installation flexibility, and is available in eight model sizes. All sizes are design certified in Canada. This furnace is not designed for use in recreation vehicles, manufactured (mobile) homes or outdoors.

SmartEvapt Technology — When paired with a compatible thermostat, this dehumidification feature overrides the cooling blower off-delay. SmartEvap technology prevents condensate that remains on the coil after a dehumidification cycle from rehumidifying throughout the home. This results in reduced humidity and a more comfortable indoor environment. Unlike competitive systems, once humidity is back in control, SmartEvap re-enables the energy-saving cooling blower off-delay.

Dual Fuel system — This system can provide more control over your monthly energy bills by automatically selecting the most economical method of heating. With dual fuel, our system automatically switches between the gas furnace and the electric heat pump as outside temperatures change to maintain greater efficiency and comfort.

Robust Igniter — The unique SiN igniter is not only physically robust but it is also electrically robust. It can run at line voltage and does not require complex voltage regulators as do other brands. This unique feature further enhances reliability and continues a tradition of technology leadership and innovation.

ECM Motors — Our variable-speed, constant torque ECM (Electronically Commutated Motor) optimizes comfort levels in the home year round; features such as passive/active dehumidification, ramping profiles, and quiet operation.

Reliable Heat Exchanger Design — The aluminized steel, clam shell primary heat exchanger features a crimped, no-weld seam to create an efficient, robust design for this essential component. Stainless steel coupling box componentry between heat exchangers has exceptional corrosion resistance in both natural gas and propane applications.

4-Way Multi-Position Design — One model for all applications –there is no need to stock special downflow or horizontal models when one unit will do it all.

Direct or Single-pipe Venting, or Optional Ventilated Combustion Air — This furnace can be installed as a 2-pipe (Direct Vent) furnace, in an optional ventilated combustion air application, or in single-pipe, non-direct vent applications. This provides added flexibility to meet diverse installation needs.

Sealed Combustion System — This furnace brings in combustion air from outside the furnace, which results in especially quiet operation.

Insulated Casing — Foil-faced insulation in heat exchanger section of the casing minimizes heat loss. The acoustical insulation in the blower compartment reduces air and motor noise for quiet operation.

Monoport Burners — The burners are specially designed and finely tuned for smooth, quiet combustion and economical operation.

Bottom Closure — Factory-installed for side return; easily removable for bottom return.

Certifications — This furnace is CSA (AGA and CGA) design certified for use with natural and propane gases. The furnace is factory-shipped for use with natural gas. A CSA listed gas conversion kit is required to convert furnace for use with propane gas. The efficiency is AHRI efficiency rating certified.

BROPG96VTAA - VARIABLE SPEED, TWO-STAGE CONDENSING GAS FURNACE



FURNACE SIZE	CASING DIMENSIONS (IN.)			RATED HEATING OUT-PUT* (BTUH)		AFUE		HEATING AIRFLOW			COOLING CFM @ 0.5 ESP (in. W.C.)	MOTOR HP
	H	D	W	High	Low	UP-FLOW/ HORIZONTAL	DOWN-FLOW	CFM (High Heating)	CFM (Low Heating)	High Heating ESP (in. W.C.)		
BROPG96VTAA30040A	35	29.50	14.20	39,000	25,000	96.0%	95.0%	800	560	0.10	1030	1/2
BROPG96VTAA36040B	35	29.50	17.50	39,000	25,000	96.0%	95.0%	850	625	0.10	1105	1/2
BROPG96VTAA36060A	35	29.50	14.20	58,000	38,000	95.0%	95.0%	1110	770	0.12	1115	1/2
BROPG96VTAA42060B	35	29.50	17.50	58,000	38,000	96.0%	95.0%	1135	860	0.12	1475	3/4
BROPG96VTAA48080B	35	29.50	17.50	78,000	50,000	96.0%	95.0%	1450	1130	0.15	1655	3/4
BROPG96VTAA60080C	35	29.50	21.00	78,000	51,000	96.0%	95.0%	1555	1200	0.15	2005	1
BROPG96VTAA60100C	35	29.50	21.00	97,000	63,000	96.0%	95.0%	1865	1435	0.20	2005	1
BROPG96VTAA66120D	35	29.50	24.00	117,000	76,000	96.0%	95.0%	2120	1625	0.20	2190	1

AIR CONDITIONER



BROP13NA 13 SEER Split-System Air Conditioner

With R-410A Refrigerant
Single & Three Phase
1-1/2 To 5 Tons

Available Sizes: Nominal sizes are available from 018 through 060 to meet the needs of residential and light commercial applications.

Certification: All models are listed with UL, (U.S. and Canada), AHRI, and CEC.

Electrical Range: Units offered in single phase 208/230v are 018-060, and three phase 208/230v in 036, 048 and 060.

Fan Motor: The totally enclosed fan motor provides greater reliability under adverse conditions and dependable performance for many years. The permanent split capacitor type motor was designed for optimum efficiency. The motor was then qualified under extreme conditions to help ensure a long, reliable life.

Cabinet: A weather protective cabinet of prepainted steel is protected underneath by a galvanized coating and treated with a layer of zinc phosphate for a finish that will last for many years. All screws on cabinet exterior are coated for a long-lasting, rust-resistant, quality appearance.

Unit Design: The copper tube, enhanced sine wave, aluminum fin coil is designed for optimum heat transfer. Vertical air discharge carries sound and hot condenser air up and away from adjacent patio areas and foliage. The base pan is designed for easy removal of water, dirt, and leaves.

Compressor: Each compressor is protected with internal temperature and current-sensitive overloads. An internal pressure relief valve provides high pressure protection to the refrigerant system. For improved serviceability, all models are equipped with a compressor terminal plug.

Service Valves: Both service valves are brass, front seating type with sweat connections. Valves are externally located so refrigerant tube connections can be made quickly and easily. Each valve has a service port for ease of checking operating refrigerant pressures.

Serviceability: One access panel provides access to electrical controls. Removal of top gives access



BROP13NA - 13 SEER SPLIT-SYSTEM AIR CONDITIONER

UNIT	DESCRIPTION
BROP13NA018BNO	13 SEER Air Conditioner 1.5T R410A
BROP13NA024BNO	13 SEER Air Conditioner 1.5S 2T R410A
BROP13NA030BNO	13 SEER Air Conditioner 1.5S 2.5T R410A
BROP13NA036BNO	13 SEER Air Conditioner 1.5S 3T R410A
BROP13NA042NO	13 SEER Air Conditioner 1.5S 3.5T R410A
BROP13NA048BNO	13 SEER Air Conditioner 1.5S 4T R410A
BROP13NA060NO	13 SEER Air Conditioner 1.5S 5T R410A



BROPH14NB

14 SEER Single-Stage Heat Pump

With R-410A Refrigerant
1-1/2 To 5 Nominal Tons

Efficiency

- 14 SEER / 11.5 - 11.7 EER / 8.2 HSPF
- Microtube Technology™ refrigeration system

Sound

Sounds levels are as low as 69 dBA.

Comfort

This system supports programmable or standard thermostat controls.

Reliability

- Non-ozone depleting R-410A refrigerant
- Scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- Loss of charge switch
- Filter drier
- Balanced refrigeration system for maximum reliability

Durability

Each heat pump is manufactured with solid, durable sheet metal construction and dense wire coil guard.

Applications

Long-line - up to 250 feet (76.20 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 80 ft. (24.38 m) evaporator above condenser (See Longline Guide for more information.)



BROPH14NB - SINGLE-STAGE HEAT PUMP

UNIT	DESCRIPTION			
BROPH14NB018POG	14S	1.5T	R410A	HEAT PUMP
BROPH14NB024POG	14S	2T	R410A	HEAT PUMP
BROPH14NB030POG	14S	2.5T	R410A	HEAT PUMP
BROPH14NB036POG	14S	3T	R410A	HEAT PUMP
BROPH14NB042POG	14S	3.5T	R410A	HEAT PUMP
BROPH14NB048POG	14S	4T	R410A	HEAT PUMP
BROPH14NB060POG	14S	5T	R410A	HEAT PUMP



HEAT PUMP

FAN COIL



BROPF4MNB

DIRECT EXPANSION FAN COIL

FOR R-410A REFRIGERANT SIZES 019 THRU 061

Available Sizes: 18,000 to 60,000 BTU unit, 1.5 to 5.0 ton unit.

Electrical Range: 40-va, 208/230-v transformer, 60 Hz, 1 Phase.

Fan Motor: All unit designs incorporate integrated operational controls within the high efficiency multi-tap electronic commutating motor (ECM).

Cabinet: The attractive, prepainted, galvanized steel casing offers rust protection for many years. All units have high-density insulation. For easy cleaning, all units contain a factory-supplied, cleanable, framed filter. Compliant with low leak requirements of less than 2% cabinet leakage rate at 0.5 inches W.C. and 1.4% cabinet leakage rate at 0.5 inches W.C. when tested in accordance with ASHRAE 193 standard.

Coil Design: The 019 through 031 sizes are slope coil units. The 037 through 061 sizes are "A" coil units. All models feature grooved tubing and lanced since-wave fin. All units

include fully-wettable coils, sweat-type refrigerant connections, and factory-washed coils for improved condensate control.

Drain Pan: These units are designed with a high-impact thermoplastic condensate pan. All drain connections (primary and secondary) have been designed to ensure proper condensate drainage, limiting the amount of standing water.

Controls: Every unit comes fully equipped with cooling controls including 40-va transformer and integrated fan control with time-delay relay (TDR). These units accommodate field-installed heater packages from 3- to 30-kW (fused, circuit breaker, or non-fused). All units include a factory-supplied power plug.

Installation: Units are factory shipped for upflow or horizontal left discharge. Units can be field converted to horizontal right discharge.

Serviceability: All units are designed with a factory-installed bi-flow, hard-shutoff TXV.



BROPF4MNB - DIRECT EXPANSION FAN COIL

UNIT	DESCRIPTION
BROPF4MNB019L00	Direct Expansion Fan Coil 18,000 Capacity
BROPF4MNB025L00	Direct Expansion Fan Coil 24,000 Capacity
BROPF4MNB031L00	Direct Expansion Fan Coil 30,000 Capacity
BROPF4MNB037L00	Direct Expansion Fan Coil 36,000 Capacity
BROPF4MNB042L00	Direct Expansion Fan Coil 42,000 Capacity
BROPF4MNB049L00	Direct Expansion Fan Coil 48,000 Capacity
BROPF4MNB061L00	Direct Expansion Fan Coil 60,000 Capacity



LIMITED WARRANTY PROTECTION*



All BROCK products are backed with industry leading warranties for residential and other applications. Complete warranty details are available from your local Wolseley representative or at www.brockhvac.com.

10 YEAR PARTS LIMITED WARRANTY

20 YEAR HEAT EXCHANGER LIMITED WARRANTY

**To receive Residential 10-Year Parts Limited Warranty and 20-Year Heat Exchanger Limited Warranty, product must be properly registered within 90 days of original installation.*

WARRANTY





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FOR OVER 75 YEARS

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Have a Question?

Our dedicated team is happy to help. Get in touch with your local Wolseley branch or sales representative today.

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