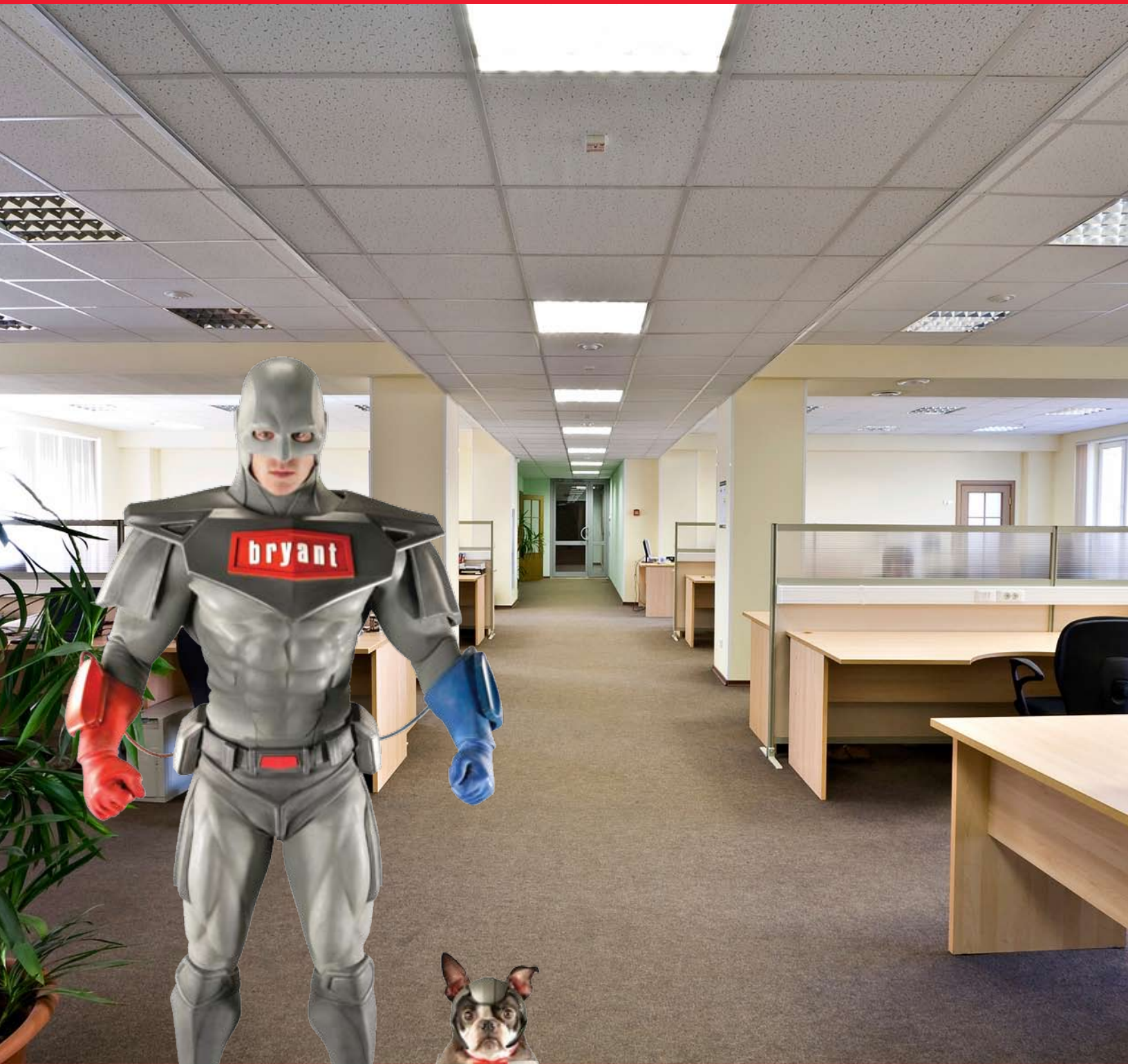


# Bryant® Legacy™ Line Commercial Rooftop

Reliable Comfort Control



Heating & Cooling Systems

# MICROCHANNEL COIL TECHNOLOGY: EFFICIENT, STRONG AND FLEXIBLE

Through Novation™, Bryant® brings heat exchanger technology – already proven in the automotive field – to the heating, ventilation and air-conditioning (HVAC) industry.

## BETTER EFFICIENCY

Novation coil technology delivers high efficiency in compact-size units. Brazed 'fin to flat tube' connections and parallel refrigerant flow design offer excellent heat transfer capabilities.

## BETTER STRENGTH

The Novation coil's rugged aluminum design is aesthetically pleasing while providing exceptional durability.

## BETTER FLEXIBILITY

The compact design of Novation's microchannel coils results in smaller, more lightweight units that allow for greater flexibility in application. Units with Novation are ideal for replacement or upgrade situations because no additional rooftop space is required and structural impacts are minimized with a lighter unit.

 **NOVATION**™  
HEAT EXCHANGER TECHNOLOGY



\*Shown with optional economizer and louvered hail guards.

**UP TO  
28%  
LIGHTER**



Truly a leader in innovation, Bryant was the first company to utilize environmentally sound Puron® refrigerant in HVAC units. Without depleting the ozone layer, Puron refrigerant delivers ideal indoor air quality. Today over 2.5 million homes and businesses operate on Puron refrigerant-based HVAC systems. And as emphasis on environmental sensitivity continues to increase, Puron refrigerant will only become more relevant. Puron refrigerant is the refrigerant of the future.

## GAS HEATING/ELECTRIC COOLING MODELS - 580J

NOMINAL COOLING TON SIZE	COOLING STAGES	ARI EFFICIENCY (SEER) EER	DIMENSIONS (in) (L x W x H)	GAS HEAT - HEATING INPUT (MBUTH)			STD UNIT WEIGHT (LBS)
				LOW	MEDIUM	HIGH	
3	1	(13.0)	74 x 47 x 33	72	115	-	483
4	1	(13.0)	74 x 47 x 33	72	115	150	537
5	1	(13.0)	74 x 47 x 33	72	115	150	569
6	1	11.0	74 x 47 x 41	72	115	150	652
7.5	1	11.0	88 x 59 x 41	125	180	224	810
7.5	2	11.0	88 x 59 x 41	125	180	224	860
8.5	1	11.0	88 x 59 x 49	125	180	224	910
10	1	11.0	88 x 59 x 49	180	224	250	965
10	2	11.1	88 x 59 x 49	180	224	250	940
12.5	2	10.8	88 x 59 x 49	180	224	250	1116
15	2	10.8	128 x 87 x 49	220	310	400	2022
17.5	2	10.8	128 x 87 x 49	220	310	400	2037
20	2	9.8	141 x 87 x 49	220	310	400	2187
25	2	9.8	141 x 87 x 57	220	310	400	2316

Two Cooling Stage Models Use Novation Heat Exchanger Technology

## PACKAGED HEAT PUMP MODELS - 548J

NOMINAL COOLING TON SIZE	COOLING STAGES	ARI EFFICIENCY (SEER) EER	DIMENSIONS (in) (L x W x H)	@ 47° F		@ 17° F		STD UNIT WEIGHT (LBS)
				HEATING CAPACITY	HSPF (COP)	HEATING CAPACITY	HSPF (COP)	
3	1	(13.4)	74 x 47 x 33	35,600	7.7	18,200	7.7	505
4	1	(13.1)	74 x 47 x 33	45,500	7.7	23,600	7.7	510
5	1	(13.2)	74 x 47 x 41	58,000	7.7	31,200	7.7	590
6	1	11.1	74 x 47 x 41	67,000	(3.3)	34,800	(2.25)	630
7.5	2	11.2	88 x 59 x 49	86,000	(3.3)	48,000	(2.25)	885
8.5	2	11.2	88 x 59 x 49	96,000	(3.3)	54,500	(2.25)	910

Three - Five Ton SEER Ratings with X13 (5 Speed/Torque) Motor



## ELECTRIC HEAT/ELECTRIC & COOLING ONLY MODELS - 558J

NOMINAL COOLING TON SIZE	COOLING STAGES	ARI EFFICIENCY (SEER) EER	DIMENSIONS (in) (L x W x H)	ELECTRICAL HEAT NOMINAL KW RANGE	STD UNIT WEIGHT (LBS)
3	1	(13.0)	74 x 47 x 33	4.0 to 15.0	438
4	1	(13.0)	74 x 47 x 33	4.0 to 20.0	494
5	1	(13.0)	74 x 47 x 33	6.0 to 25.0	524
6	1	11.2	74 x 47 x 41	6.0 to 25.0	607
7.5	1	11.2	88 x 59 x 41	10.0 to 40.0	730
7.5	2	11.2	88 x 59 x 41	10.0 to 40.0	780
8.5	1	11.2	88 x 59 x 49	10.0 to 40.0	830
10	1	11.2	88 x 59 x 49	10.0 to 50.0	885
10	2	11.3	88 x 59 x 49	10.0 to 50.0	850
12.5	2	11.0	88 x 59 x 49	10.0 to 50.0	1030
15	2	11.0	128 x 87 x 49	25.0 to 75.0	1895
17.5	2	11.0	128 x 87 x 49	25.0 to 75.0	1910
20	2	10.0	141 x 87 x 49	25.0 to 75.0	2060
25	2	10.0	141 x 87 x 57	25.0 to 75.0	2189

Two Cooling Stage Models Use Novation Heat Exchanger Technology



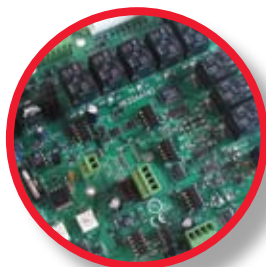
## EASY TO CONTROL AND OPERATE

Organized and intuitive unit design and control systems make for straightforward operation, troubleshooting and management of the Legacy™ rooftop unit.

- High-efficiency gas heating (up to 82% efficiency) with induced draft design ensures long life and safe operation.
- Compatible with conventional thermostat controls, and Bryant's® new multi-protocol open controller interface with BACNET, MODBUS<sup>®1</sup>, Johnson Controls N2 or LONWORKS<sup>®2</sup> protocols.

### STREAMLINED INTEGRATION

Open protocol controllers make inclusion into existing building automation systems easy.



### CENTRALIZED CONTROL CENTER

Integrated control board containing logic for system network controller, unit safeties and factory installed options, (such as smoke detectors, and temperature or enthalpy economizers) provides easy troubleshooting, installation and servicing.



### PLUG AND PLAY ACCESSORY BOARD

When it comes to installing accessories, including economizers, the new integrated terminal makes it simple. This feature comes standard on every unit.



## EASY TO SERVICE

### EASY-ACCESS HANDLES

Handles located on all major access panels provide quick, convenient and safe access to serviceable components.



### NO-STRIP SCREW COLLARS

Screws are guided into collars, preventing misaligned and stripped metal panels. Because of better screw engagement, panels are easier to remove and replace.



### REMOVABLE UNIT PLUG

A removable plug allows easy access for gauge lines to read compressor pressures without removing panels. This allows more accurate readings and diagnosis.



### EASY TO INSTALL

- The Legacy rooftop was designed with streamlined installation in mind – whether it's for replacement or new construction.
- The light and compact Legacy rooftop has full-perimeter base rails that help in moving, transporting and rigging.
- Legacy models up to 12.5 ton are designed to fit similar model roof curbs dating back 23 years. This makes replacement easy and eliminates the need for curb adapters or changing utility connections.
- Units are available in both Vertical and Horizontal air flow duct configurations making it easy to adapt to many new or replacement applications.

<sup>1</sup> MODBUS is a trademark owned by Gould Inc.

<sup>2</sup> LONWORKS is a trademark owned by Echelon Corp.

## BENEFITS AT A GLANCE

- Easy to start up and operate
- Reduces installation expenses
- Easy to service
- Factory and field stocked
- Field convertible airflow
- Experienced technical support

## WHATEVER IT TAKES

Providing more than an excellent product, Bryant delivers the best customer service you'll find in the HVAC industry. Your local Bryant dealer is a factory-trained expert, ready to do what it takes to provide a custom heating, cooling or refrigerant solution. Since 1904, Bryant has been designing systems that make indoor environments more comfortable. So whether you're a small, single location or a big-box chain retailer - your local Bryant dealer will recommend units best suited to your unique needs. And you'll benefit from worry-free comfort for years to come.



[www.bryant.com](http://www.bryant.com)  
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