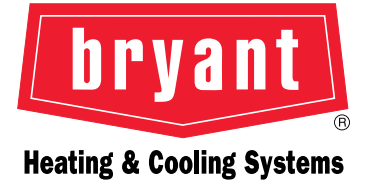


# Bryant® Legacy™ Line Split System Air Conditioners and Heat Pumps

with Puron® Refrigerant (R-410A) 6 to 20 Nominal Tons



## Whatever it Takes

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 millions of 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.



## Bryant® Legacy™ Line Split System Air Conditioners and Heat Pumps:

- An ideal solution for replacement and new construction
- Rugged, dependable construction
- Available in single and circuit scroll compressor capacity control
- Cooling capability up to 125°F (52°C) ambient and down to 35°F (2°C) ambient standard
- Heat Pump models utilize precision sized suction line accumulator for added protection

## The Future of the World Depends on Our Ability... to Sustain it.

As a world leader in high technology heating, air-conditioning and refrigeration solutions, we believe that market leadership requires environmental leadership. Bryant sets industry standards for environmentally sound business practices and a commitment to sustainability across its products, services and operations. We demonstrate this commitment by creating environmentally responsible solutions that consume less energy and incorporate innovations that improve the world – indoors and out.



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Reliable Comfort Control



# Bryant® Legacy™ Line Split System

## Air Conditioners and Heat Pumps

with Puron® Refrigerant (R-410A) 6 to 20 Nominal Tons



### SELECTION GUIDE

#### Cooling Performance 569JA,D/524J – AHRI Certified Ratings

System Combination	Cooling Stages	Nominal Cooling Ton Size	Net Cooling Capacity (MBH)	EER	IEER*	Dimensions (in) (LxWxH)	Approx. Unit Weight (lbs)
569J07A/524J07	1	6.0	70.0	11.5	12.9	59 x 46 x 42	389
569J07G/524J07	2	6.0	70.0	12.0	14.0	59 x 46 x 42	389
569J08A/524J08	1	7.5	92.0	11.2	12.9	59 x 46 x 42	391
569J08G/524J08	2	7.5	92.0	11.2	14.0	59 x 46 x 42	430
569J12A/524J12	1	10.0	117.0	10.3	12.9	59 x 46 x 50	490
569J12D/524J12	2	10.0	117.0	10.3	13.0	59 x 46 x 50	516
569J14A/524J14	1	12.5	148.0	11.0	12.4	59 x 46 x 50	598
569J14D/524J14	2	12.5	148.0	11.0	12.5	59 x 46 x 50	654
569J16A/524J16	2	15.0	184.0	11.2	14.3	86 x 46 x 50	731
569J16D/524J16	2	15.0	184.0	11.2	12.6	86 x 46 x 50	731
569J25A/524J25	2	20.0	240.0	11.0	13.6	86 x 67 x 50	978
569J25D/524J25	2	20.0	240.0	11.0	12.0	86 x 67 x 50	978

EER = Energy Efficiency Ratio IEER = Integrated Energy Efficiency Ratio. 569J\*\*G Models are Single Circuit - Dual Stage Cooling Models.  
\*Includes Unit Air Handler with 2-Speed Indoor Fan Motor. Listed Dimensions and Weights above for 569J model.

#### Heat Pump Cooling Performance 575J/524JH – AHRI Certified Ratings – Cool

System Combination	Cooling Stages	Nominal Cooling Ton Size	Net Cooling Capacity (MBH)	EER	IEER*	Dimensions (in) (LxWxH)	Approx. Unit Weight (lbs)
575J07A/524JH07	1	6.0	70.0	11.0	N/A	59 x 46 x 42	444
575J07G/524JH07	2	6.0	70.0	11.7	13.8	59 x 46 x 42	444
575J08A/524JH08	1	7.5	88.0	11.0	12.4	59 x 46 x 42	483
575J08G/524JH08	2	7.5	88.0	11.0	12.7	59 x 46 x 50	483
575J12A/524JH12	1	10.0	112.0	11.0	12.2	59 x 46 x 50	575
575J12G/524JH12	2	10.0	112.0	11.0	13.8	59 x 46 x 50	575
575J16D/524JH16	2	15.0	178.0	10.6	12.5	86 x 46 x 50	768
575J25D/524JH25	2	20.0	222.0	10.7	12.5	86 x 67 x 50	1015

EER = Energy Efficiency Ratio IEER = Integrated Energy Efficiency Ratio. 575J\*\*G Models are Single Circuit Dual Stage Cooling Models.  
\*Includes Unit Air Handler with 2-Speed Indoor Fan Motor. Listed Dimensions and Weights above for 575J models.

#### Heat Pump Heating Performance at 47°F (8°C) 575J/524JH – AHRI Certified Ratings – Heat

System Combination	Cooling Stages	Nominal Cooling Ton Size	Net Heating Capacity (MBH)	COP
575J07A/524JH07	1	6.0	66.0	3.30
575J07G/524JH07	1	6.0	66.0	3.30
575J08A/524JH08	1	7.5	86.0	3.30
575J08G/524JH08	2	7.5	87.0	3.30
575J12A/524JH12	1	10.0	106.0	3.30
575J12G/524JH12	1	10.0	106.0	3.30
575J16D/524JH16	1	15.0	178.0	3.40
575J25D/524JH25	1	20.0	214.0	3.50

COP = Coefficient of Performance.

The Bryant® Legacy™ series outdoor units matched with the 524J series indoor air handlers provide a variety of HVAC application options. Whether it's lower first cost with the single circuit 569JA series, superior part load performance from two stages of cooling with the 569JD,G series or year around energy savings with the 575J heat pump series, these units are designed for long dependable operation for rooftop or on-the-ground installation. All Bryant Legacy series units use Puron® refrigerant. Together, they create a reliable split system that provides easy solutions to a wide range of commercial HVAC needs.

#### Constructed for Long Life

The 569JA single circuit and 569JD dual circuit, scroll compressor models are designed and built to last. The outdoor coil construction allows for a more efficient design in a smaller cabinet size providing a reduction in refrigerant charge. Where conditions require, a special coil coating protection option is available. Cabinets are constructed of pre-painted galvanized steel, delivering unparalleled protection from the environment. Inside and outside surfaces are protected to ensure long life, good looks, and reliable operation. Safety controls are used for enhanced system protection and reliability.

Each unit utilizes the Comfort Alert® diagnostic and troubleshooting control system. This protects the units operation and provides valuable diagnostic information when required.

#### Efficient Operation

Bryant Legacy air-cooled condensing units provide EERs up to 12.0 and IEERs up to 14.3, which meet the ASHRAE 90.1 efficiency levels. This high efficiency helps reduce overall operating cost and energy consumption.

#### Dependable Performance

The 569J condensing units offer operating controls and components designed for performance dependability. The high efficiency hermetic scroll compressor is engineered for long life and durability. The compressors include vibration isolation for quiet operation. The high-pressure switch protects the entire refrigeration system from abnormally high operating pressures. A low-pressure switch or loss of charge switch protects the system from loss of charge. These units also include anti-short-cycling protection, which helps to protect the units against compressor failure.

All units include a crankcase heater to eliminate liquid slugging at start-up and the Comfort Alert control system provides:

- System Go LED indicator
- Fault LED indicator
- Compressor fault LED indicator
- Phase loss protection
- Phase reversal protection
- Safety pressure indicator
- Anti-short cycle protection

Bryant Legacy heat pumps come standard with a precision sized factory installed refrigerant suction line accumulator that is designed to prevent liquid from entering the compressor during low ambient conditions or switching between operations.

#### Ease of Installation and Service

Certified and pre-engineered factory-installed options (FIOPs) allow units to be installed in less time, reducing installed cost. FIOPs include:

- Low ambient controls which provide cooling operation down to -20°F (29°C) ambient temperatures
- Non-fused disconnect switch
- 115-v GFI (ground fault interrupter) convenience outlet, powered and non-powered available
- Special coil coating coil protection
- Louvered hail guard

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#### 524J Air Handler Weights and Dimensions

Unit Size	Dimensions (in) (LxWxH)	Approx. Unit Weight (lbs)
524J07	49 x 28 x 56	399
524J08	49 x 28 x 56	404
524J12	49 x 28 x 56	425
524J14	89 x 28 x 56	695
524J16	89 x 28 x 56	713
524J25	89 x 28 x 56	730
524J28	101 x 33 x 66	1050
524J30	101 x 33 x 66	1062