



# The 2007 Family of Heat Pumps



## EVOLUTION<sup>™</sup> SYSTEM

### BEYOND "WHATEVER IT TAKES"

Designed, engineered, and manufactured to ensure every Bryant system performs when you need it.

- Up to 18 SEER / 13.9 EER / 9.5 HSPF
- Self configuring system components for optimum performance
- ENERGY STAR<sup>®</sup> compliant
- Microtube Technology<sup>™</sup> refrigeration system
- Bryant's best reliability
- Bryant's lowest operating cost system
- Full line of indoor air quality accessories
- 10 year compressor warranty
- 5 year parts warranty

### SOUND LEADERSHIP

Bryant's AeroQuiet System II<sup>™</sup> design ensures quiet operation inside and out. Our systems meet or exceed local and industry sound standards.

Sound levels as low as 69 dBA

Enhanced 5 point AeroQuiet System II<sup>™</sup> design

- Two-stage compressor
- Compressor sound blanket
- Variable speed or ball bearing OD condenser fan motors
- Forward swept condenser fan blade
- Quiet mount split post compressor grommets

### MAXIMIZED COMFORT

Enhanced Evolution<sup>™</sup> control capability for maximum performance, reliability and indoor comfort.

- Bryant's best comfort with two-stage operation and Perfect Humidity<sup>™</sup>
- System allows users to easily customize and manage their indoor environment
- Second generation Evolution with up to 23 diagnostic check points
- All-in-one control automatically adjusts both temperature and humidity
- Fault message and operational history displayed on wall control
- Integrated outdoor air temperature readout
- Integrated utility curtailment interface connection
- Integrated low ambient cooling capability to 0° F



## Evolution<sup>™</sup> System Heat Pumps with Puron<sup>®</sup> Refrigerant (2-5 tons)

### BUILT TO LAST

Designed and built using the latest technology and highest quality components in Bryant's world-class manufacturing facilities.

- Puron<sup>®</sup> refrigerant – environmentally sound, won't deplete the ozone layer and low lifetime service cost
- Back seating service valves
- Two-stage compressor
- High / Low pressure switches
- Filter drier
- Plug-N-Play factory wiring with Evolution<sup>™</sup> system
- Balanced refrigeration system for maximum reliability

### LIKE NOTHING ELSE

Innovative design loaded with features that will enhance your customer's home, yard and life.

DuraGuard Plus<sup>™</sup> protection package:

- Solid, durable sheet metal construction
- Steel coil guard with DuraFlow<sup>™</sup> louver design
- Baked on, complete coverage, powder paint
- Color matched cabinet screws
- Appliance style fit and finish
- World-class patent pending design



## Preferred<sup>™</sup> SERIES

Designed, engineered, and manufactured to ensure every Bryant system performs when you need it.

- Up to 16 SEER / 13.5 EER / 9.3 HSPF
- ENERGY STAR<sup>®</sup> compliant
- Microtube Technology<sup>™</sup> refrigeration system
- Full line of indoor air quality accessories
- Self configuring system components for optimum performance (when used with Evolution<sup>™</sup> Control)
- 10 year compressor warranty
- 5 year parts warranty

Bryant's AeroQuiet System II<sup>™</sup> design ensures quiet operation inside and out. Our systems meet or exceed local and industry sound standards.

- Enhanced 3 point AeroQuiet System II<sup>™</sup> design
- Sound levels as low as 68 dBA
- Compressor sound blanket
- Forward swept condenser fan blade
- Quiet mount split post compressor grommets

Enhanced control capability for maximum performance, reliability and indoor comfort.

- System supports Evolution<sup>™</sup> or Thermostat controls

When used with Evolution<sup>™</sup> Control:

- System allows users to easily customize and manage their indoor environment
- Second generation Evolution<sup>™</sup> with up to 14 diagnostic check points
- Fault message and operational history displayed on wall control
- Integrated outdoor air temperature readout
- Integrated utility curtailment interface connection
- Integrated low ambient cooling capability to 0° F



Preferred<sup>™</sup> Series heat pumps  
available with Puron<sup>®</sup> refrigerant  
and R-22 refrigerant

## Preferred<sup>™</sup> Series Heat Pumps with Puron<sup>®</sup> Refrigerant (1 1/2-5 tons)

Designed and built using the latest technology and highest quality components in Bryant's world-class manufacturing facilities.

- Puron<sup>®</sup> refrigerant – environmentally sound, won't deplete the ozone layer and low lifetime service cost
- Back seating service valves
- Scroll compressor
- High / Low pressure switches
- Filter drier
- Plug-N-Play factory wiring with Evolution<sup>™</sup> system
- Balanced refrigeration system for maximum reliability

Innovative design loaded with features that will enhance your customer's home, yard and life.

DuraGuard Plus<sup>™</sup> protection package:

- Solid, durable sheet metal construction
- Steel coil guard with DuraFlow<sup>™</sup> louver design
- Baked on, complete coverage, powder paint
- Color matched cabinet screws
- Appliance style fit and finish
- World-class patent pending design



## LEGACY<sup>™</sup> LINE

### Reliability

- Up to 16 SEER / 13.5 EER / 9.0 HSPF
- Indoor air quality accessories available
- Microtube Technology<sup>™</sup> refrigeration system
- 10 year compressor warranty
- 5 year parts warranty

### Sound

- Sound levels as low as 74 dBA
- Compressor sound blanket

### Comfort

- System supports Thermostat<sup>™</sup> or standard thermostat controls

### Durability

- Puron<sup>®</sup> refrigerant – environmentally sound, won't deplete the ozone layer and low lifetime service cost
- Front seating service valves
- Scroll compressor
- High pressure switch

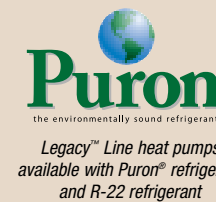
## Legacy<sup>™</sup> Line Heat Pumps with Puron<sup>®</sup> Refrigerant (1 1/2-5 tons)

- Filter drier
- Balanced refrigeration system for maximum reliability

### Design

DuraGuard<sup>™</sup> protection package:

- Solid, durable sheet metal construction
- Steel louver coil guard
- Baked on, complete coverage, powder paint
- Color matched cabinet screws



Legacy<sup>™</sup> Line heat pumps  
available with Puron<sup>®</sup> refrigerant  
and R-22 refrigerant



## Legacy<sup>™</sup> Line-RNC

### Reliability

- Up to 15 SEER / 12.5 EER / 8.8 HSPF
- Microtube Technology<sup>™</sup> refrigeration system
- Indoor air quality accessories available
- 5 year compressor warranty
- 5 year parts warranty

### Sound

- Sound levels as low as 74 dBA
- Compressor sound blanket

### Comfort

- System supports Thermostat<sup>™</sup> or standard thermostat controls

### Durability

- Puron<sup>®</sup> refrigerant – environmentally sound, won't deplete the ozone layer and low lifetime service cost
- Scroll compressor
- Filter drier



Legacy<sup>™</sup> Line - RNC heat pumps  
available with Puron<sup>®</sup> refrigerant  
and R-22 refrigerant







## EVOLUTION™ SYSTEM

288ANA  
286ANA



## Preferred™ SERIES

265ANA  
264ANA  
263ANA  
538B



## LEGACY™ LINE

225ANA  
223ANA  
223RNA



## Legacy™ Line-RNC

215ANA  
213ANA  
213RNA

Whatever it takes.™



	2007 Bryant Heat Pump Models	Evolution™ System 288ANA	Evolution™ System 286ANA	Preferred™ Series 265ANA / 264ANA / 263ANA	Preferred™ Series 538B	Legacy™ Line 225ANA / 223ANA / 223RNA	Legacy™ Line-RNC 215ANA / 213ANA	Legacy™ Line-RNC 213RNA
Reliability	Efficiency (SEER)	Up to 18	Up to 16.6	Up to 16 / 15.5 / 15.5	Up to 15.5	Up to 16 / 15.5 / 15.5	Up to 16 / 14	Up to 14
	Efficiency (HSPF)	Up to 9.5	Up to 9.3	Up to 9.3	Up to 9.0	Up to 9	Up to 8.8	Up to 8.7
	Efficiency (EER)	Up to 13.9	Up to 12.6	Up to 12.6	Up to 13.5	Up to 13.5	Up to 12.5	Up to 12.5
	Energy Star® compliant	●	●	● / ● / -	●	● / - / -	● / - / -	
	Puron® R-22	●	●	● / ● / ●	●	● / ● / -	●	
Design	Nominal Cooling Capacity (tons)	2,3,4,5	2,3,4,5	1.5 to 5	1.5 to 5	1.5 to 5	1.5 to 5	1.5 to 5
	DuraGuard Plus™ DuraGuard™ Protective Components: B = Baked on powder paint DF = DuraFlow™ coil guard SL = Steel louver coil guard SG = Standard dense grille guard SW = Standard wide wire coil guard CS = Color matched cabinet screws SM = Sheet metal construction Y = "Y"spoke motor cap	B,DF,CS,SM,Y	B,DF,CS,SM,Y	B,DF,CS,SM,Y	B,SG,SM	B,SL,CS,SM	B,SG,CS,SM	B,SW,CS,SM
	AeroQuiet System II™ Sound Reduction Components: SP = Split post compressor grommets EM = External silencer muffler AQS = AeroQuiet System II™ ECM = ECM OD condenser fan motor PSC(BB) = PSC ball bearing fan motor PSC = 8 pole PSC condenser fan motor F = Forward swept condenser fan blade CB = Compressor sound blanket	SP,EM,AT,F,CB ECM	SP,EM,AT,F,CB, PSC(BB)	SP,EM,AT,F,CB PSC(BB)	CB	PSC,CB	EM	EM
	Operating Sound Level dBA	as low as 69	as low as 71	as low as 68	as low as 66	as low as 74	as low as 74	as low as 73
	In Home Control	Evolution™ User Interface	Evolution™ User Interface, Thermostat™ & Dual Fuel Thermostats	Evolution™ User Interface, Thermostat™ & Dual Fuel Thermostats	Thermostat™ & Dual Fuel Thermostats	Thermostat™ & Dual Fuel Thermostats	Thermostat™ & Dual Fuel Thermostats	Thermostat™ & Dual Fuel Thermostats
Comfort	Diagnostic Capability (check points)	Evolution™ 18 Point Diagnostics	Evolution™ 23 Point Diagnostics	Evolution™ 14 Point Diagnostics				
	Control Circuit (low voltage)	5	5	5				
	High Voltage	2	2	0				
	Compressor	6	10	4				
	Contactors	2	3	2				
Durability	Communications	1	1	1				
	Pressure Switches	2	2	2				
	Compressor	Two-stage scroll	Two-stage reciprocating	Scroll	Scroll	Scroll	Scroll	Fixed scroll
	Perfect Humidity™ w/VS Indoor + Thermostat™ or Evolution™	●	●	●		●		
	PerfectHeat™ Heat Pump Systems	●	●					
	Perfect Defrost™	●	●	●				
	30, 60, 90 time/temperature defrost				●	●	●	●
	Field-installed 16 cu. in. filter drier	●	●	●				
	Field-installed 8 cu. in. filter drier				●	●	●	●
	Back seating service valves	●	●	●				
	Front seat bar stock service valves				●	●	●	●
	High pressure switch	●	●	●	●	●	●	●
	Loss of charge switch	●	●	●	●	●	●	●
	Internal pressure relief valve	●	●	●	●	●	●	●
	Long line connections (LLS)	●	●	●	●	●	●	●
	Suction line accumulators	●	●	●	●	●	●	●
	Vapor fog eliminator	●	●					
	Plug -N- Play factory wiring	●	●	●				
	Microtube Technology™ refrigeration system	●	●	●		●	●	●
	Indoor air quality accessories	●	●	●	●	●	●	●
	Compressor Warranty	10	10	10	10	10	5	5
	Parts Warranty	5	5	5	5	5	5	5

### Nomenclature Guide

Bryant HP	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2
2	1	3	A	N	A	0	3	6	0	0	0
Type	Int	Self	Alloy Steel	Alloy Steel	Alloy Steel	Alloy Steel	Alloy Steel	Alloy Steel	Alloy Steel	Alloy Steel	Alloy Steel
2-1/2	Two-stage scroll compressor 60000 60000	Two-stage scroll compressor 60000 60000	Two-stage scroll compressor 60000 60000	Two-stage scroll compressor 60000 60000	Two-stage scroll compressor 60000 60000	Two-stage scroll compressor 60000 60000	Two-stage scroll compressor 60000 60000	Two-stage scroll compressor 60000 60000	Two-stage scroll compressor 60000 60000	Two-stage scroll compressor 60000 60000	Two-stage scroll compressor 60000 60000