

Heating Solutions

Carrier[®]

Turn to the Experts.[™]

Gas Furnaces

Oil Furnaces

Boilers



Oil Furnaces

Performance™ Series

Performance™ OVM098 Multi-Poise/OVL098 Low-Boy.....

- Up to 85.7% AFUE
- Variable speed technology
- 98,000 Bth/h input
- Four-way multi-poise and low-boy designs
- Operates with either Beckett or Riello burners

OVL AAB036098

OVM AAB036098

Performance™ VS 80 Oil.....

- Up to 83.5% AFUE
- Variable speed technology
- Four-way multi-poise and low-boy designs

58V MR105-12

58V MR120-20

58V LR105-12

58V LR120-20

Performance™ 80 Oil.....

- Up to 80.5% AFUE
- Riello burner
- Four-way multi-poise and low-boy designs

58C MR105-12

58C MR120-20

58C LR105-12

58C LR120-20

Comfort™ Series

Comfort™ OBM098 Multi-Poise/OBL098 Low-Boy.....

- Up to 85.7% AFUE
- 98,000 Bth/h input
- Four-way multi-poise and low-boy designs
- Operates with either Beckett or Riello burners

OBL AAB036098

OBM AAB036098

Comfort™ 80 Oil.....

- Up to 80.5% AFUE
- Beckett burner
- Four-way multi-poise and low-boy designs

58C MA105-12

58C MA120-20

58C LA105-12

58C LA120-20



Features	OVM Multi-Poise	OVL Low-Boy	Performance™ 80 Variable	Performance™ 80	OBM Multi-Poise	OBL Low-Boy	Comfort™ 80
Performance							
Efficiency (AFUE)	up to 85.0	up to 85.7	up to 83.5	up to 80.5	up to 85.0	up to 85.7	up to 80.5
Limited lifetime warranty on combustion chamber	•	•	•	•	•	•	•
Ten-year parts warranty*	•	•	•	•	•	•	•
Riello burner	•	•	•	•	•	•	•
Beckett burner	•	•	•	•	•	•	•
Four-way multi-poise design	•	•	•	•	•	•	•
Aesthetics							
Galvanized steel cabinet material	•	•	•	•	•	•	•
Appliance style finish	•	•	•	•	•	•	•
Sound							
Silencer baffle	•	•	•	•	•	•	•
Insulated walls	•	•	•	•	•	•	•
Technology							
Ideal Humidity System® technology	•	•	•	•	•	•	•
Variable speed technology	•	•	•	•	•	•	•
Stainless steel combustion chamber	•	•	•	•	•	•	•
EAC and HUM terminals on control board	•	•	•	•	•	•	•

Nomenclature Guide

Model Number

58MVR

105

100

12

Family Designation

Input Capacity

Series

Cooling Airflow

Boilers/Hydronics

Performance™ Series

Comfort™ Series

Performance™ 90 Boiler.....

- 90% AFUE
- ENERGY STAR® compliant

Performance™ 86 Boiler.....

- Up to 86.5% AFUE
- ENERGY STAR® compliant

Performance™ 84 Boiler.....

- Up to 84.4% AFUE
- Cast iron heat exchanger
- Stainless steel burners

Performance™ SmartSource™ Hydronic Coil.....

- Infinity® compatibility with SmartSource Interface Kit
- Low air and water pressure drop for optimal performance
- Heating capacities up to 100MBH

Comfort™ 80 Boiler.....

- Up to 81.6% AFUE
- Water boiler
- Cast iron heat exchanger
- Stainless steel burners

Comfort™ Steam 80 Boiler.....

- Up to 82.7% AFUE
- Steam boiler
- Cast iron heat exchanger
- Stainless steel burners



BW9



BW4
BW5



BW3



HC2
HC3



BW1
BW2



BS1
BS2

Features

Performance

	Performance™ 90	Performance™ 86	Performance™ 84	Comfort™ 80	Comfort™ Steam 80
Efficiency (AFUE)	90%	up to 86.5%	up to 84.4%	up to 81.6%	up to 82.7%
Fuel	Gas	Oil	Gas	Gas (Water)	Gas (Steam)
Input range	50-200 MBH	91-280 MBH	42.5-225 MBH	37.5-280 MBH	75-299 MBH
Heat exchanger warranty	15-year	20-year	20-year	20-year	12-year
Five-year parts warranty	•	•	•	•	•
ENERGY STAR® compliant	•	•			

Technology

Heat exchanger	Cast Aluminum	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Burners	Stainless Steel	Beckett /Riello	Titanium Composite	Titanium Composite	Titanium Composite
Low water cutoff	•				
Propane convertible	•		•	•	•
Section seals		Cast Iron	Cast Iron	Cast Iron	Cast Iron
Insulated casing		•	•	•	•
Automatic vent damper				•	•

Controls

Automatic gas valve	•			•	•
Continuous pilot				BW1	BS1
Intermittent pilot	•		•	BW2	BS2
Spark ignition		•			

Nomenclature Guide

Model Number	BW9	100
	Series Designation	Input Capacity

Nomenclature Guide

Model Number	HC2	100
	Series Designation	Input Capacity

Gas Furnaces

Comfort™
SERIES

Comfort™ 95

- 95% AFUE
- Factory-configured ready for upflow applications
- Four-way multi-poise design
- Installation indirect vent (two-pipe) or non-direct vent (one-pipe) applications
- ENERGY STAR® compliant
- Stainless steel primary and secondary heat exchanger
- Multi-speed, direct-drive PSC blower motor
- Direct ignition with silicone nitride ignition
- Electronic control center with blower cooling relay standard
- Ten-year limited warranty on all parts
- Lifetime limited parts warranty on heat exchangers
- Twenty-year labor warranty on secondary heat exchangers

58HDX060-10112

58HDX080-10116

58HDX080-10112*

58HDX100-10112

* Meets 94.4% AFUE in horizontal orientation



Comfort™ 92

- Up to 92% AFUE
- Four-way multi-poise design
- ENERGY STAR® compliant
- ComfortFan™ Technology adjusts constant fan speed from the thermostat
- Reliable Power Heat™ hot surface ignition
- Ten-year limited warranty on all parts
- Lifetime limited parts warranty on heat exchangers
- Twenty-year labor warranty on secondary heat exchangers

58MXB040-F-08

58MXB060-F-12

58MXB080-F-16

58MXB100-F-20

58MXB040-F-12

58MXB080-F-16

58MXB080-F-20

58MXB120-F-20

58MXB060-F-08

58MXB080-F-12

58MXB100-F-16

58MXB140-F-20



Comfort™ 80

- 80% AFUE
- Four-way multi-poise design
- QuieTech™ sound reduction technology
- ComfortFan™ Technology adjusts constant fan speed from the thermostat
- Compact cabinet design stands at only 33-1/3" tall
- Reliable Power Heat™ hot surface ignition
- Ten-year limited warranty on all parts
- Twenty-year limited warranty on heat exchangers

58DLA(DLX)04508

58DLA(DLX)07012

58DLA(DLX)09016

58DLA(DLX)11016

58DLA(DLX)13522

58DLA(DLX)04512

58DLA(DLX)07016

58DLA(DLX)09020

58DLA(DLX)11022

58DLA(DLX)15520

58DLA(DLX)07008

58DLA(DLX)09014

58DLA(DLX)11012

58DLA(DLX)13516



Comfort™ Series

Gas Furnaces

Performance™ Boost 90

- Up to 93% AFUE on Performance Boost 90
- Four-way multi-poise design
- The Performance Boost 90 furnace can help selected 13.0 and 14.0 SEER Carrier air conditioners achieve energy efficiency up to 1.5 SEER*
- ENERGY STAR® compliant
- Runs in low-stage 90% of operation
- ComfortFan™ Technology adjusts constant fan speed from the thermostat
- Comfort Heat Technology® feature with microprocessor controlled two-stage heating
- Reliable Power Heat™ hot surface ignition
- Ten-year limited warranty on all parts
- Lifetime limited parts warranty on heat exchangers
- Twenty-year labor warranty on secondary heat exchangers

58MEC060-F-12
58MEC080-F-12

58MEC080-F-16

58MEC100-F-20
58MEC120-F-20

Performance™ 95

- Four-way multi-poise design for upflow (93.5% AFUE) and downflow and horizontal (95% AFUE)
- Installation indirect vent (two-pipe) or non-direct vent (one-pipe) applications
- Installation flexibility: sidewall or vertical vent
- ENERGY STAR® compliant
- Stainless steel primary and secondary heat exchanger
- Two-stage operation
- BPM variable speed DC motor
- Direct ignition with silicone nitride ignition
- Ten-year limited warranty on all parts
- Lifetime limited parts warranty on heat exchangers
- Twenty-year labor warranty on secondary heat exchangers

58HDV040

58HDV060

58HDV080

58HDV100

Performance™ 80 / Performance™ Boost 80

- 80% AFUE
- Four-way multi-poise design
- The Performance Boost 80 furnace can help selected 13.0 and 14.0 SEER Carrier air conditioners achieve added energy efficiency up to 1.5 SEER.*
- QuietTech™ sound reduction technology
- Runs in low-stage 90% of operation (58CTA)
- ComfortFan™ Technology adjusts constant fan speed from the thermostat
- Comfort Heat Technology® feature with microprocessor controlled two-stage heating (58CTA)
- Compact cabinet design stands at only 33-1/3" tall
- Reliable Power Heat™ hot surface ignition
- Ten-year limited warranty on all parts
- Twenty-year limited warranty on heat exchangers

58CTA(CTX)04508
58CTA(CTX)04512
58CTA(CTX)07008
58PHA(PHX)04508
58PHA(PHX)04512

58CTA(CTX)07012
58CTA(CTX)07016
58CTA(CTX)09014
58PHA(PHX)07008
58PHA(PHX)07012

58CTA(CTX)03016
58CTA(CTX)09020
58CTA(CTX)11012
58PHA(PHX)09012
58PHA(PHX)09012

58CTA(CTX)11016
58CTA(CTX)11022
58CTA(CTX)13516
58PHA(PHX)11012
58PHA(PHX)11020

58CTA(CTX)13522
58CTA(CTX)15520
58PHA(PHX)13512
58PHA(PHX)13520

* As compared to the Air Conditioning, Heating and Refrigeration Institute's Standard Coil-Only Rating when paired with selected Carrier evaporator coils.



ComfortHeat.



ComfortHeat.

Gas Furnaces

Infinity® ICS

- Up to 95% AFUE
- Infinity® Control compatible
- Our quietest furnace ever
- ENERGY STAR® compliant
- Holds temperatures 3.5 times tighter than a standard single-stage furnace
- IdealComfort™ Technology feature with microprocessor controlled three-stage heating
- Ten-year limited warranty on all parts
- Lifetime limited parts warranty on heat exchangers
- Twenty-year labor warranty on secondary heat exchangers

58MVC040-F-14
58MVC060-F-14

58MVC080-F-20
58MVC100-F-20

58MVC120-F-20

Infinity® 96

- Up to 96.6% AFUE
- Infinity Control compatible
- Ideal Humidity System® technology with variable speed and SmartEvap™ technologies
- Comfort Heat Technology® feature with microprocessor controlled two-stage heating
- ENERGY STAR® compliant
- Reliable Power Heat™ hot surface ignition
- Ten-year limited warranty on all parts
- Lifetime limited parts warranty on heat exchangers
- Twenty-year labor warranty on secondary heat exchangers

58MVB040-F-14
58MVB060-F-14

58MVB080-F-14
58MVB080-F-20

58MVB100-F-20
58MVB120-F-20

Infinity® 80

- 80% AFUE
- Four-way multi-poise design
- Infinity Control compatible
- QuietTech™ sound reduction technology
- Ideal Humidity System® technology with variable speed and SmartEvap™ technologies
- Comfort Heat Technology® feature with microprocessor controlled two-stage heating
- Compact cabinet design stands at only 33-1/3" tall
- Reliable Power Heat™ hot surface ignition
- Ten-year limited warranty on all parts
- Twenty-year limited warranty on heat exchangers

58CVA(CVX)07012
58CVA(CVX)09016

58CVA(CVX)11020
58CVA(CVX)13522

58CVA(CVX)15522



IdealHumidity.



IdealComfort.



IdealHumidity.



ComfortHeat.



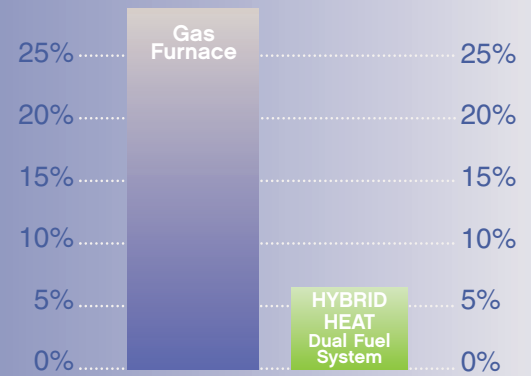
IdealHumidity.



ComfortHeat.

HYBRID HEAT® Dual Fuel Systems

The HYBRID HEAT® dual fuel system provides an economical solution to the rising uncertainty surrounding utility costs. Comprised of a heat pump, a furnace and a wall-mounted control,* these systems deliver maximum energy efficiency by automatically choosing the most economical heating source during moderate heating conditions. Ultimate HYBRID HEAT dual fuel systems combine an Infinity® 96 gas furnace with our Infinity® 19 heat pump to provide soothing, superior comfort during both heat pump and furnace operation. This system is tied together by the Infinity® Zoning Control which is set to a “balance point” that tells it when best to select heat pump operation and when to choose furnace operation based on weather and utility costs in the area. Use the OpCost Calculator to show consumers how much they can save.



Sample home in Pittsburgh, PA

A 28% INCREASE IN THE COST OF NATURAL GAS RESULTS IN ONLY A 6% INCREASE IN COST TO HEAT A HOME WITH A HYBRID HEAT® DUAL FUEL SYSTEM.



Furnace	Infinity® ICS 58MVC					Infinity® 96 58MVB		Infinity® 80 58CVA (CVX)		Performance™ Boost 90 58MEC		Performance™ 95 58HDV		Performance™ Boost 80 58PHA (PHX) Performance™ 80 58CTA (CTX)		Performance™ VS 80 Oil 58VMR, 58VLR		Comfort™ 95 58HDX		Comfort™ 92 58MXB		Comfort™ 80 58DLA (DLX)	
	AFUE	up to 95%					up to 96.6%		up to 80%		up to 93%		up to 95%		80%		83%		up to 95%		up to 92%		80%
Multi-poise	•					•		•		•		•		•		58VMR		•		•		•	
Variable	•					•		•		•		•		•		•							
Two-stage						•		•		•		•		•									
Controls	Infinity® Zoning SYSTXCCUIZ01-A					Infinity® Control SYSTXCCUID01-A					Thermidistat™ Control / HYBRID HEAT® Dual Fuel Control TP-PRH												
	Heat stages	5					5					3					3						
	Cool stages	2					2					2					2						
	Humidity control	•					•					•					•						
	OAT	•					•					•					•						
	Auto configuration	•					•																
Heat Pump	25HNA9		25HNA6		25HPA5		25HPA4		25HPA3		25HPA5		25HPA4		25HPA3		24HCB4		24HCB3		24HCB3		
	19		16		15		14		13		15		13		13		14		13		13		
	9		9		8.5		8.5		8.5		8.5		8.5		8.5		8.5		8.5		8.5		
	•		•		•		•		•		•		•		•		•		•		•		
	2		2		1		1		1		1		1		1		1		1		1		

* Each furnace, control and heat pump is compatible within each tier. Infinity® controls are only compatible with Infinity® furnaces.

Gas Furnace Distinguishing Details

Features	Infinity® ICS 58MVC	Infinity® 96 58MVB	Performance™ Boost 90 58MEC	Performance™ 95 58HDV	Comfort™ 95 58HDX	Comfort™ 92 58MXB	Infinity® 80 58CVA	Performance™ Boost 80 58PHA	Performance™ 80 58CTA	Comfort™ 80 58HDV
Performance										
Efficiency (AFUE) Up to	95%	96.6%	93%	95%	95%	92%	80%	80%	80%	80%
IdealComfort technology modulation	•									
Variable speed technology	•	•					•			
Comfort Heat Technology® two-stage heating		•	•							
Lifetime heat exchanger warranty	•	•	•	•	•	•				
20-year labor warranty on secondary heat exchanger	•	•	•	•	•	•				
20-year heat exchanger parts warranty							•	•	•	•
10-year parts warranty	•	•	•	•	•	•	•	•	•	•
ENERGY STAR® compliant	•	•	•	•	•	•				
13 Category I venting options							•	•	•	•
Power Heat™ hot surface ignition	•	•	•	•	•	•	•	•	•	•
1 or 2 pipe Category IV venting	•	•	•	•	•	•				
Direct and non-direct venting capable	•	•	•	•	•	•				
Four-way multi-poise design	•	•	•	•	•	•				
Propane convertible	•	•	•	•	•	•	•	•	•	•
Aesthetics										
Single front door design	•	•	•			•	•	•	•	•
Dual front door design				•	•					
Galvanized steel cabinet material	•	•	•	•	•	•	•	•	•	•
Appliance style finish	•	•	•			•	•	•	•	•
Sound										
Variable speed technology	•	•		•			•			
Low-stage operation	•	•	•	•			•			
Fully-insulated blower compartment	•	•	•	•	•	•	•	•	•	•
Direct vent capable sealed combustion	•	•	•							
Controls										
Infinity® System intelligence	•	•					•			
Optional PDA/laptop diagnostics	•	•					•			
Comfort Heat Technology® adaptive control heat staging	•	•	•				•			
Non-volatile fault code memory	•	•	•	•	•	•	•	•	•	•
EAC and humidifier terminals on control board	•	•	•	•	•	•	•	•	•	•
LED diagnostics	•	•	•	•	•	•	•	•	•	•
Self-test capable	•	•	•	•	•	•	•	•	•	•
Technology										
IdealComfort technology modulation	•									
Ideal Humidity System® technology	•	•					•			
Variable speed technology	•	•		•			•			
SmartEvap™ technology	•	•	•			•	•	•	•	•
ComfortFan™ technology	•	•	•			•	•	•	•	•
High-efficiency air filtration cabinet	•	•	•			•	•	•	•	•
Power Heat™ Igniter	•	•	•	•	•	•	•	•	•	•
Serpentuff™ secondary heat exchanger	•	•	•			•				
Draft safeguard switch							•	•	•	•

Nomenclature Guide

Model Number

58MVC

060

F

14

Series Designation

Input Rates

Accessory Designation

Cooling Airflow



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A member of the United Technologies Corporation family. Stock symbol UTX. Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.