

# DV-SH Series

Our “DV” Series, rated up to 21.5 SEER2, offers economical zone control because only the room or area being used is conditioned and inverter technology matches the compressor speed to the room’s changing temperature requirements.

A wireless remote makes it easy to select both temperature and mode, and a handy holder comes with the remote. With the “Follow” feature activated, the remote detects the temperature at its location and the unit adjusts operation to reach the set point wherever the remote is located in the room.

The indoor air handler features a sleek design that extends just  $7\frac{3}{8}$ ” to  $8\frac{7}{8}$ ” into the room, depending on the model. And the air handler has a self-cleaning evaporator coil with gold fin anti-corrosive coating which prevents bacteria from breeding and spreading.

Not only is the air handler visually unobtrusive, it’s also so quiet you’ll forget it’s even there. Fan speed and mode can be selected so the air flow provides the comfort needed without being disruptive. All models feature three fan speeds.

Built with quality components, the system includes a three minute delay at start-up to protect the compressor from short cycling and, for heat pump models, to prevent cold air blow.

Ambient operating temperature: Cooling 5° to 122° F, Heating 5° to 86° F.

## FEATURES

- **Super Efficient**—Rated as high as 21.5 SEER2 and 12.6 EER2
- **Whisper Quiet**—High tech fan in the indoor unit delivers balanced air flow
- **Temperature Compensation**—Indoor unit adjusts automatically as needed to eliminate stratification between ceiling and floor temps
- **Auto Swing**—Continually adjusts air flow direction for a gentle, breeze-like effect
- **Multiple Modes**—Cooling, dehumidification only, air circulation (heating in heat pump models) plus:
  - Sleep mode
  - 24-hour timer
  - Turbo mode
- **Auto Operation**—Automatically adjusts to maintain a constant temperature humidity level
- **Smartphone Compatible**—Optional 7800-208 Smartphone Control Kit available separately
- **Superior Filtration**—Nano silver air filter releases silver ions that eliminate bacteria in the air while gold fin evaporator coating prevents the breeding and spreading of bacteria
- **Auto Restart**—Reverts to the last setting following a power failure
- **Auto Defrost**—Standard on all models, along with crankcase heater and pan heater for true cold-weather performance

*Comfort-Aire*®

## SINGLE ZONE HEAT PUMPS

*Six models to choose from  
9,000 to 24,000 BTUH*



# Single Zone Heat Pump Models With Inverter Technology

# DV-SH SERIES

FEATURES	Heat Pump Models					
	DVH09SH-0	DVH12SH-0	DVH09SH-1	DVH12SH-1	DVH18SH-1	DVH24SH-1
<b>Power Supply</b>	115-1-60	115-1-60	208/230	208/230	208/230	208/230
<b>Cooling Capacity (BTUH)</b>	9,000	12,000	9,000	12,000	18,000	24,000
<b>SEER2/ EER2</b>	21.5/12.5	20.8/10.3	21.7/12.6	21.4/10.8	19/10.5	18/9
<b>HSPF2</b>	9	8.7	9.1	9.1	8.7	8.6
<b>Cooling Amps</b>	6.26	10.6	3.15	4.86	7.5	11.6
<b>Dehumidification (Pts./Hr.)</b>	2.1	2.5	2.1	2.5	3.8	5.5
<b>Heating Capacity (BTUH)</b>	10,000	12,000	9,000	12,000	18,800	24,000
<b>Heating Amps</b>	8.7	10.3	4.13	5.05	7.4	10.08
<b>INDOOR UNIT</b>						
<b>Air flow (CFM)</b>	247/182/129	309/206/176	259/193/136	317/207/144	388/259/218	588/450/353
<b>Fan Speeds (Cool/Heat/Fan)</b>	3/3/3	3/3/3	3/3/3	3/3/3	3/3/3	3/3/3
<b>Sound Level (dBA) H-M-L</b>	37/31/22	42/31/26	41/31/24	37/30/23	44/35/30	46/40/35
<b>AIR DIRECTION</b>						
<b>Vertical Adjustment</b>	Remote	Remote	Remote	Remote	Remote	Remote
<b>Horizontal (left/right)</b>	Manual	Manual	Manual	Manual	Manual	Manual
<b>Auto Swing Up and Down</b>	Standard	Standard	Standard	Standard	Standard	Standard
<b>INDOOR UNIT DIMENSIONS</b>						
<b>Width (inches)</b>	28-3/8	31-1/2	28-3/8	31-1/2	38	42-1/2
<b>Height (inches)</b>	11-3/8	11-3/4	11-3/8	11-3/4	12-1/2	13-1/4
<b>Depth (inches)</b>	7-3/8	7-1/2	7-3/8	7-1/2	8-1/2	8-7/8
<b>Net Wt/Shipping Wt (lbs.)</b>	17.2/22.7	19/24.9	17/22.7	19/24.9	24/32.2	30.2/39.7
<b>OUTDOOR UNIT DIMENSIONS</b>						
<b>Width (inches)</b>	30-5/16	31-1/2	30-5/16	31-1/2	31-1/2	33-1/4
<b>Height (inches)</b>	21-7/8	21-13/16	21-7/8	21-13/16	21-13/16	27-5/8
<b>Depth (inches)</b>	11 13/16	13-1/8	11-13/16	13-1/8	13-1/8	14-5/16
<b>Net Wt/Shipping Wt (lbs.)</b>	66.8/71.9	70.3/76.3	66.8/71.9	67/72.8	79.8/85.8	105.2/112.2
<b>ELECTRICAL DATA OUTDOOR UNIT*</b>						
<b>Main Power Connection</b>	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit
<b>Min. Circuit Ampacity</b>	15	15	10	15	15	18
<b>Max. Fuse/HACR</b>	20	20	15	15	20	25
<b>Circuit Breaker</b>	20	20	15	15	20	25
<b>Recommended Indoor/Outdoor Connecting Cable*</b>	14 AWG / 4 conductor 600V THHN unshielded stranded copper					
<b>LINE SETS O.D. (inch)</b>						
<b>Liquid Connection (flare) (inch)</b>	1/4	1/4	1/4	1/4	1/4	3/8
<b>Suction Connection (flare) (inch)</b>	3/8	1/2	3/8	1/2	1/2	5/8
<b>Maximum Line Set Length<sup>1</sup></b>	82 feet	82 feet	82 feet	82 feet	98 feet	98 feet
<b>Maximum Elevation (outdoor)<sup>2</sup></b>	33 feet	33 feet	33 feet	33 feet	66 feet	66 feet

\* Always follow local, state and national electrical codes.

<sup>1</sup> Min. 10 ft. line set recommended.

<sup>2</sup> Oil traps should be installed every 16.5 to 23 feet (5-7m) when the outdoor unit is installed above the indoor unit.

Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations.

Third party incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.

"This product complies with all California product labeling laws including, but not limited to, the Safe Drinking Water and Toxic Enforcement Act of 1986, more commonly known as Proposition 65."

