

CONDENSATE REMOVAL PUMP

EC-1-DV and EC-1K-DV Series

EC-1-DV and EC-1K-DV models are designed to accommodate multiple electrical requirements within one pump. The DV suffix indicates that the pump is capable of operating from a wide range of supply voltages to maintain consistent pump performance. Similar to our EC-1 model, this model includes improved noise reduction, reliable solid-state switching technology, and easy to install mounting brackets, to create a pump that benefits contractors, installers, and end-users.

The EC-1-DV pump is used for removing condensate from wall mount, ductless mini-split air conditioners. It can also be used to remove condensate from fan coils and other types of air conditioners. The pump can be installed above the air conditioner, behind the wall mount air handler, or in plastic conduit or line-set channel. The reservoir, featuring a clear tank, connects to the condensate drain hose while the pump can be positioned anywhere up to 3 feet away.

EC-1K-DV is a special version of the unique EC-1-DV mini condensate pump that includes Line Set covers for mounting the pump on the interior wall, next to the indoor ductless mini-split air conditioner.

The product can be easily and quickly installed on either the right- or left-side of the air conditioner. The Line Set cover provides dedicated positions for mounting the pump and reservoir in secure and easy to service locations. Room is provided inside the duct for the Line Set and electrical wiring. Generous room is provided in the lower "elbow" portion of the duct to easily bend and fit the Line Set pipes. The design isolates the EC-1-DV pump to maintain its low noise performance specification.



Patent Pending



EC-1-DV and EC-1K-DV Series

PUMP FEATURES:

Dual Voltage 110 - 240 V 50/60 Hz

- 21 dB(A)*
- 2.5 gph @ 1' (9.5 lph) flow
- 33 ft (10 m) shut-off (max. recommended)
- Hall effect switching
- Large inlet filter
- Multi-size hose drain adapter fits all popular drain hose connectors

LINE SET KIT FEATURES:

- Includes EC-1-DV pump
- Right- or left-side installation options
- 2.1" x 3.0" (5.3 cm x 7.6 cm) line set duct inside dimension
- 19.7" (50 cm) drain hose tubing
- Detachable power cord 84" (213.4 cm)
- 90° "elbow" for locating pump reservoir
- 31.5" (80 cm) straight line set cover
- Room inside line set duct for 3/8" and 5/8" line set pipe
- Twist motion snap-lock clips and cable ties to secure the line set
- Pump enclosure and pump mounting bracket
- Wall fasteners included (to secure line set duct to wall)
- Air conditioner trim and bracket for "finished look "
- Includes ceiling plate when pump enclosure not installed

Bracket designed to isolate pump noise

84" pump power cord to support right-side or left-side installation

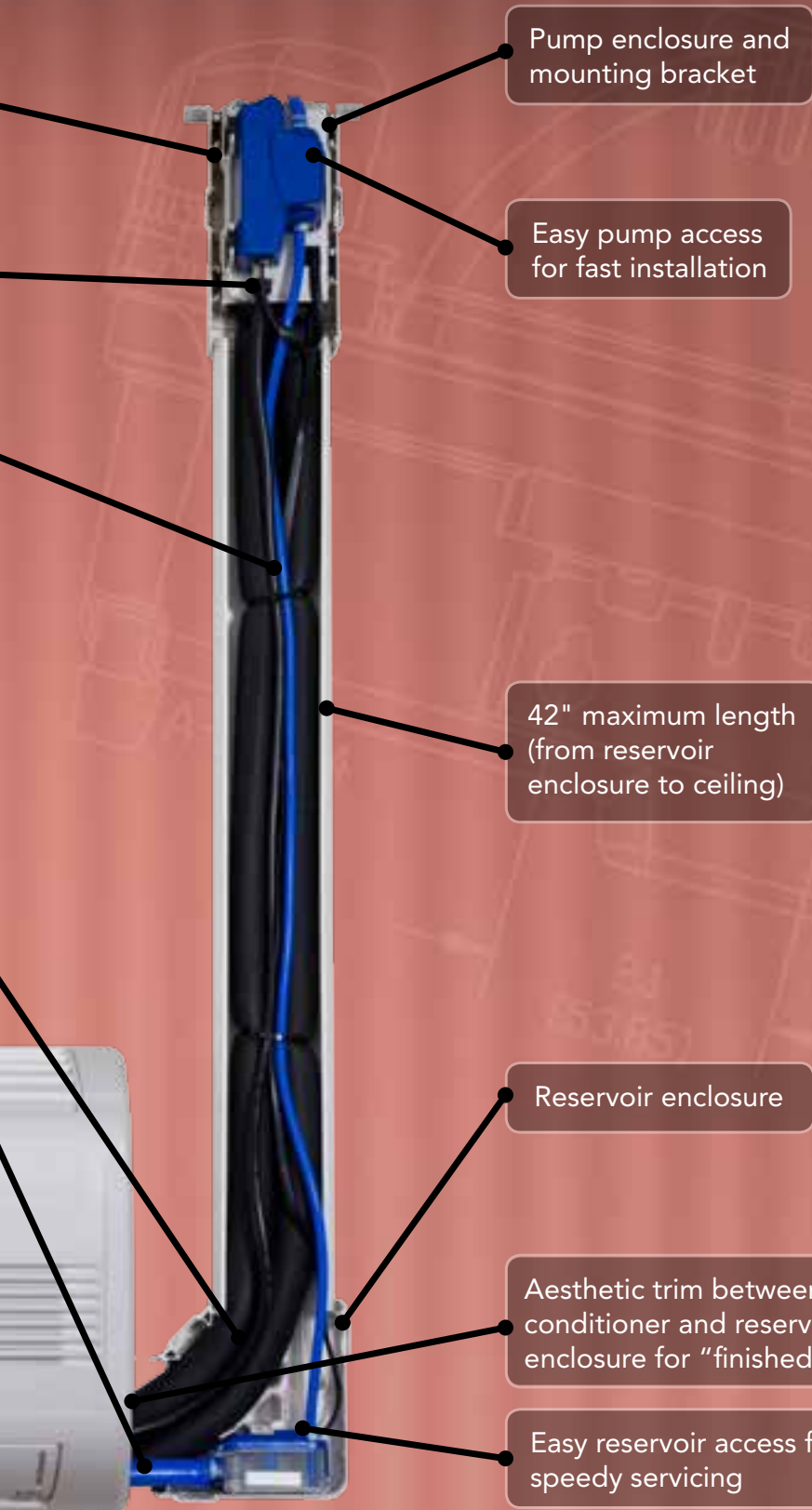
3 easy-to-install clips and ties to secure line-set

Hall effect sensors for reliable on, off, and overflow sensing

19 3/4" long drain hose tube to support right-side or left-side installation



INSTALLATION



SPECIFICATIONS

Item No.	Model No.	Discharge Size	Volts	Hertz	Gallons per Hour at 115/230 V, 60 Hz Liters per Hour at 115/230 V, 60 Hz					Shut-Off	Suction Lift	Weight (lbs)	Pump Dimensions (H x L x W in)
					0' 0.0 m	1' 0.3 m	5' 1.5 m	10' 3 m	20' 6.1 m				
553505	EC-1-DV	1/4"	110-240	50/60	2.65	2.5	1.8	1.5	1.2	33'	3'	1	4.1" x 1.8" x 2.4"
553515	EC-1K-DV	1/4"	110-240	50/60	10	9.5	6.8	5.7	4.5	10 m	.91 m	1	4.1" x 1.8" x 2.4"
Reservoir													3.2' x 1.7' x 1.4'

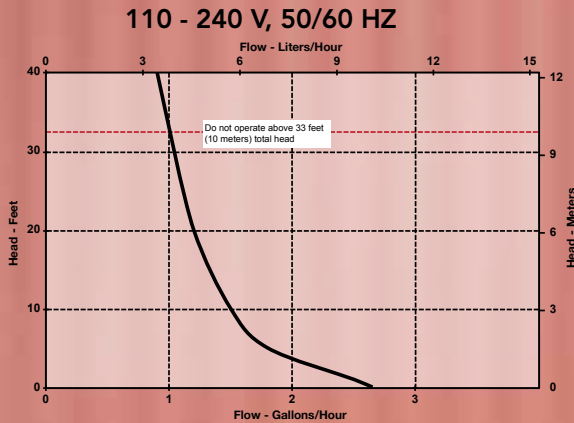
Pump:

- Capacity - 2.5 gph @ 1 ft (110 - 240 V, 50/60 Hz)
- Maximum Head - 33 ft
- Suction Lift - 3.3 ft
- Sound level - 21 dB(A)*
- Maximum water temperature - 140 °F
- Ambient temperature range - 32 °F - 140 °F
- NC relay rated 8 A resistive - 250 V alarm
- 1/4" I.D. pump discharge

Line Set Kit:

- Cable - 84" (213.4 cm)
- Wall fasteners included (to secure line set duct to wall)
- Room inside line set duct for 3/8" and 5/8" line
- Line Set Kit weight 3.2 lbs (1.45 kg)
- Line Set Kit carton 33-1/4" x 8" x 4-1/2" (84.5 cm x 20.32 cm x 11.4 cm)
- Line Set weight with carton 4.6 lbs (2.09 kg)

PERFORMANCE DATA



*Tested under conditions assumed consistent with competitors' published sound ratings.

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