




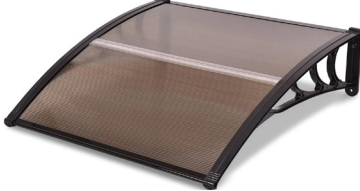



# SNOW DEFLECTOR PRODUCTS



**NYS Clean Heat**  
Supported

The NYS Clean Heat program, and best practice, requires that all heat pumps units be properly protected from excess snow that would impact performance. Heat pumps placed underneath a roof eave's drip line (or under a deck with wide slats) are subject to snowslide or excess water drip that could clog, ice up, or otherwise restrict airflow through the heat pump. These units must have a snow deflector installed to assure proper winter operation for heating. The preferred and much more common installation approach is to place units on a gable end with no drip at all. When gable-end installation is not possible, side-discharge heat pumps under an eave can be protected with the combination of a working gutter and an asphalt roof.

The following products are available for direct purchase and delivery to installation contractors in New York.

PRODUCT	WHERE TO BUY	PRICE
<b>Ktaxon Door/ Window Awning</b> 	<a href="#">Walmart</a>	\$40 - \$80
<b>Zimtown Window Door Awning</b> 	<a href="#">Walmart</a>	\$50 - \$100
<b>Mcombo Window Awning</b> 	<a href="#">Wayfair</a> <a href="#">Amazon</a>	\$60 - \$100
<b>Polycarbonate Door/Window Awning</b> 	<a href="#">Overstock</a>	\$90 - \$250
<b>InnoPro – H24 and H21P</b> 	<a href="#">InnoProhvac</a>	\$95 - \$230
<b>Polycarbonate Door/Window Awning</b> 	<a href="#">The Home Depot</a>	\$125 - \$1000
<b>Quick-Sling Roof Bracket QRSB1000</b> 	<a href="#">supplyhouse</a>	\$285

PRODUCT	WHERE TO BUY	PRICE
<p><b>Nulmage Awnings</b></p> 	<p><a href="#">Lowes</a></p>	<p>\$400 - \$600</p>
<p><b>Mesh cover with galvanized steel frame</b></p> 	<p><a href="#">COVER-TECH</a></p>	<p>\$400 - \$600</p>
<p><b>Quick-Sling QSW1000</b></p> 	<p><a href="#">northstock</a></p>	<p>\$457</p>

## Vertical Discharge Heat Pump

Due to manufacturer clearance requirements for vertical discharge heat pumps, installers should avoid the use of snow deflectors whenever possible. When snow deflectors divert the tempered exhaust air outwards instead of upwards, a portion of it gets pulled back into the heat pump, reducing system efficiency. All effort should be made to place the heat pump in a location that is protected from snow slides or excessive water drippage that could clog, ice up, or otherwise restrict airflow through the heat pump. The best practice is to install the heat pump at the gable end of the house, fully under a deep eave, or under a tightly boarded deck with sufficient clearance over the heat pump. One estimate quantifies the impact of a diverting snow deflector as a loss of 2% to 4% of heating and cooling efficiency.

If a vertical discharge heat pump requires protection from snow or excessive water drip, *installation contractors must consult the heat pump product manufacturer for approved options*. In some cases, use of an unapproved product attachment could void the unit's warranty. In these cases, a manufacturer may have additional guidance on expanded side-clearances, and clearances from adjacent units when such products are used.

The following products are available for purchase on the market.

### [InnoPro | The Protection Pros](#)

Carrier has approved use of InnoPro on its products with additional clearance requirements.



### [COVER-TECH | Heat Pump Cover](#)

