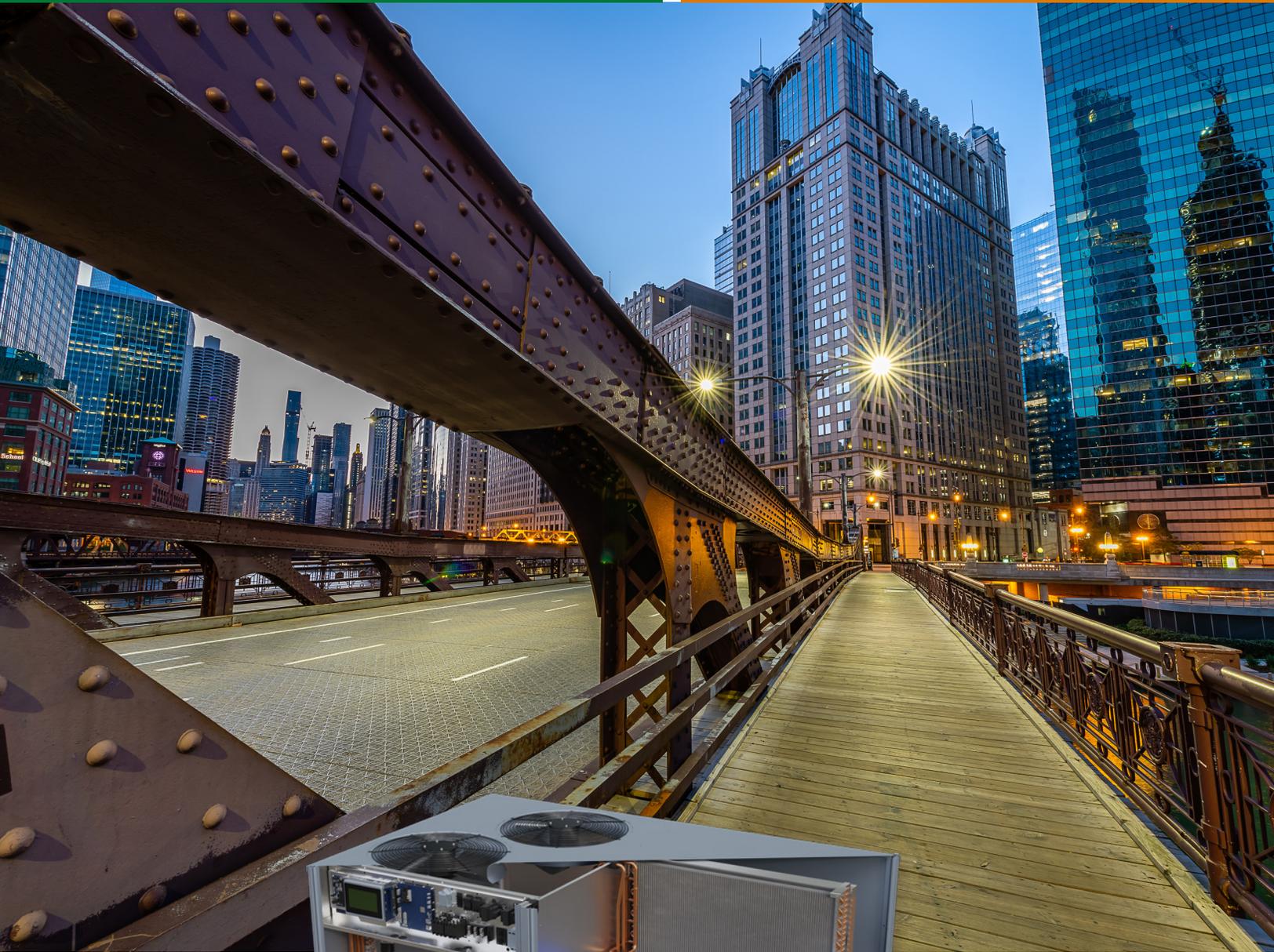




3-27.5 TONS COMMERCIAL PACKAGED ROOFTOPS



The Strength Behind The Brand

Choosing a Day & Night® commercial packaged rooftop means more than just selecting a brand. It means selecting a product backed with tremendous assets in

design engineering, quality manufacturing, and service support—as well as a 100-year tradition of excellence. We're dedicated to providing you with products that meet and exceed your expectations for high quality, energy efficiency, and reliability. You can depend on us.

Sell the Advantage

All Day & Night Commercial Rooftop units 3 – 27.5 ton utilize our multi-patented Vane Axial Technology and are compliant with the new Department of Energy 2023 requirements. Our NEW (R*V) Standard Efficiency units are more energy efficient than our legacy high efficiency units (R*H). Fewer moving parts (less failure points) and quieter operation make the X-Vane units suitable for all applications.

The patented Vane Axial fan and direct drive ECM motor eliminate the need to adjust belts or pulleys, reducing maintenance and installation time. RGV units are designed with a naturally draining heat exchanger. Unlike positive pressure heat exchangers, RGV heat exchangers do not need to be periodically manually drained. This feature reduces labor and maintenance costs.

Day & Night Patented X-Vane Commercial Models 3 – 27.5 Ton

RGV/RAV/RGW/RAW rooftop units fit on our existing roof curbs dating back to 1989. Intuitive controls make setting the required fan speed simple and accurate. Access to blower section is not required.

Day & Night's NEW Patented X-Vane High Efficiency models achieve 17 SEER (R*W 3 – 5 Ton) and up to 17 + IEER on the larger sizes. Day & Night offers a wide selection of Factory installed options, Wi-Fi economizers and accessories to suit every Commercial application.

Extended Warranty

Optional low cost parts extended warranty available. Same price since 2017. No price increase. Ask your Distributor.

Easier To Service

Scroll Compressor

Day & Night rooftop units utilize fixed and variable speed compressors single and dual circuit in tandem on a single refrigeration circuit with high low pressure switches. Compressors are designed with internal isolation and have internal thermal line break, current overload, and high-pressure differential protection.

X-Vane Unit Control Board

Our newly revised X-Vane Unit Control Board places all connections and troubleshooting points in one place. Setting the fan is simple using the switch and rotary dial. This new Vane Axial design compared to past belt drive systems has 75% fewer moving parts and uses up to 40% less energy.

Easy-Access Handles

Handles located on all major access panels provide quick, convenient and safe access to components for easy maintenance and service.

No-Strip Screw Collars

To prevent misalignment and stripped metal panels, screws are guided into collars. This increased screw engagement also makes panels easier to remove and replace.

Unit Safety Protection

For increased reliability, heat pump models come standard with a refrigerant suction line accumulator in each refrigerant circuit. This preventive measure stops the natural tendency of liquid refrigerant from entering the compressor in heat pumps as they switch in and out of defrost, and between heating and cooling modes. In addition, heat pump models come with high pressure and temperature protection as well as low pressure or loss of charge protection.

Easier To Install

The light and compact design has full-perimeter base rails that help in moving, transporting and rigging.

Our commercial units are specifically designed to fit on many similar roof curbs dating back over 30 years, which makes replacement easy and eliminates the need for curb adapters or changing utility connections.

Day & Night commercial rooftops can be ordered with a wide selection of factory pre-engineered and certified options with over 25 accessories to suit every application.

For humid applications, Day & Night commercial rooftop units offer hot gas re-heat dehumidification in both standard and high efficiency models.

HIGH EFFICIENCY COMMERCIAL PACKAGED ROOFTOPS

RGW High Efficiency Gas Heating / Electric Cooling Package Unit with Patented X-Vane Technology, 1-phase

Nominal Cooling Ton Size	Cooling Stages	Voltage	Net Cooling Capacity 2 (MBH)	Total Power (kW)	EER	SEER2	EER2
3	2	K	35.0	2.9	12.8	16.0	12.0
4	2	K	46.5	3.9	12.8	16.0	12.0
5	2	K	59.0	4.9	12.8	16.5	12.0

RGW High Efficiency Gas Heating / Electric Cooling Package Unit with Patented X-Vane Technology, 3-phase

Nominal Cooling Ton Size	Cooling Stages	RGW Unit	Voltage	Net Cooling Capacity (MBH)	Total Power (kW)	SEER	EER	SEER2	EER2
3	2	037	H, L, S	36.0	2.8	17.4	12.8	16.0	12.0
4	2	049	H, L, S	48.0	3.8	17.4	12.8	16.0	12.0
5	2	061	H, L, S	59.5	4.6	17.4	12.8	16.5	12.0

RGW High Efficiency Gas Heating / Electric Cooling Package Unit with Patented X-Vane Technology, 3-phase

Nominal Cooling Ton Size	Cooling Stages	Voltage	Net Cooling Capacity (MBH)	Total Power (kW)	EER	IEER with 2-Speed Indoor Fan Motor	AHRI Rating CFM
6	2	H, L, S	72.0	5.9	12.2	17.5	2400
7.5	2	H, L, S	90.0	7.5	12.0	17.5	3000
8.5	2	H, L, S	96.0	8.1	11.8	17.3	3400
10	2	H, L, S	114.0	10.0	11.4	17.2	3250
12.5	2	H, L, S	146.0	12.2	12.0	16.5	5250
15	-	-	-	-	-	-	-
17.5	To be released						
20	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-

RAW High Efficiency Electric Heating / Electric Cooling Package Unit with Patented X-Vane Technology

Nominal Cooling Ton Size	Cooling Stages	RAW Unit	Voltage	Net Cooling Capacity (MBH)	Total Power (kW)	SEER	EER	SEER2	EER2
3	2	037	H, L, S	36.0	2.8	17.4	12.8	16.0	12.0
4	2	049	H, L, S	46.5	3.8	17.4	12.8	16.0	12.0
5	2	061	H, L, S	59.0	4.6	17.4	12.8	16.0	12.0

RAW High Efficiency Electric Heating / Electric Cooling Package Unit with Patented X-Vane Technology

Nominal Cooling Ton Size	Cooling Stages	Net Cooling Capacity (MBH)	Total Power (kW)	EER	IEER with 2-Speed Indoor Fan Motor	AHRI Rating CFM
6	2	72.0	5.8	12.4	17.7	2650
7.5	2	90.0	7.4	12.2	17.7	3400
8.5	2	96.0	8.0	12.0	17.5	3500
10	2	114.0	9.8	11.6	17.2	3750
12.5	2	146.0	12.0	12.2	16.7	5250
15	-	-	-	-	-	-
17.5	To be released					
20	-	-	-	-	-	-
25	-	-	-	-	-	-

RHW High Efficiency Electric Package Heat Pump with Patented X-Vane Technology

Nominal Cooling Ton Size	Cooling Stages	Voltage	HSPF 2	High Heating Capacity 2 (MBtuh)	High Heat COP 2	Low Heating Capacity 2 (MBtuh)	Low Heat COP 2
3	2	K	7.3	33.2	3.6	18.0	2.30
4	2	K	7.1	45.0	3.6	24.0	2.40
5	2	K	7.5	51.0	3.7	34.0	2.60

RHW High Efficiency Electric Package Heat Pump with Patented X-Vane Technology

Nominal Cooling Ton Size	Cooling Stages	Voltage	HSPF 2	High Heating Capacity 2 (MBtuh)	High Heat COP 2	Low Heating Capacity 2 (MBtuh)	Low Heat COP 2
6	-	-	-	-	-	-	-
7.5	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
12.5	To be released						
15	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-

STANDARD EFFICIENCY COMMERCIAL PACKAGED ROOFTOPS

RGV Standard Efficiency Gas Heating / Electric Cooling Package Unit with Patented X-Vane Technology

Nominal Cooling Ton Size	Cooling Stages	Net Cooling Capacity (MBH)	Total Power (kW)	SEER2	EER2
3, 4	1	34.5, 47.0	3.0, 4.1	13.4	11.2
5	1	58.5	5.3	13.4	11.0

RGV Standard Efficiency Gas Heating / Electric Cooling Package Unit with Patented X-Vane Technology

Nominal Cooling Ton Size	Cooling Stages	Net Cooling Capacity (MBH)	Total Power (kW)	IEER with 2-speed Indoor Fan Motor	AHRI Rating CFM
6, 7.5	2	70.0, 86.0	6.4, 7.7	15.0	2650
8.5, 10	2	98.0, 118.0	8.8, 10.7	15.0	3400, 3500
12.5	2	132.0	12.9	15.0	3750
15, 17.5	2	174.0, 206.0	16.1, 19.1	14.5	5250, 6125
20	2	248.0	24.8	14.5	7000
25, 27.5	2	282.0, 31.0	28.8, 32.1	14.0	8750, 10000

RAV Standard Efficiency Electric Heating / Electric Cooling Package Unit with Patented X-Vane Technology

Nominal Cooling Ton Size	Cooling Stages	Net Cooling Capacity (MBH)	Total Power (kW)	SEER2	EER2
3, 4	1	34.4, 47.0	2.9, 4.0	13.4	11.2
5	1	58.5	5.2	13.4	11.0

RAV Standard Efficiency Electric Heating / Electric Cooling Package Unit with Patented X-Vane Technology

Nominal Cooling Ton Size	Cooling Stages	Net Cooling Capacity (MBH)	Total Power (kW)	IEER with 2-speed Indoor Fan Motor	AHRI Rating CFM
6, 7.5	2	70.0, 86.0	6.3, 7.5	15.2	2650
8.5, 10	2	98.0, 118.0	8.6, 10.5	15.2	3400, 3500
12.5	2	133.0	12.8	15.2	3750
15, 17.5	2	174.0, 206.0	15.8, 19.1	14.7	5250, 6125
20	2	248.0	24.8	14.7	7000
25, 27.5	2	282.0, 315.0	28.8, 32.1	14.2	8750, 10000

RHV Standard Efficiency Electric Package Heat Pump with Patented X-Vane Technology

Nominal Cooling Ton Size	Cooling Stages	Net Cooling Capacity (MBH)	Total Power (kW)	SEER2	EER2
3, 4	1	36,200, 49,500	3.1, 4.2	13.4	11.5, 11.2
5	1	60,500	5.1	13.4	11.2

RHV Standard Efficiency Electric Package Heat Pump with Patented X-Vane Technology

Nominal Cooling Ton Size	Cooling Stages	Net Cooling Capacity (MBH)	Total Power (kW)	IEER with 2-speed Indoor Fan Motor	AHRI Rating CFM
6, 7.5	2	71,000, 86,000	6.3, 7.7	15.0	3000
8.5, 10	2	96,000, 118,000	8.7, 10.7	15.0	3400, 4000
12.5	2	144,000	13.6	15.0	5500
15	2	172,000	16.2	14.0	6300
20	2	240,000	24.5	14.0	8000
25	2	278,000	29.3	14.0	10,000

All systems tested and listed by the appropriate agencies.



As part of its commitment to quality, the manufacturer reserves the right to change specifications on its products without notice. Illustrations and photographs in this brochure are only representative. Some product models may vary.

RHV / RAV / RGV / RHW / RAW / RGW Series
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Part No. CML-007-DN-00
Printed 9/23