



## Krack® expands condensing unit offering with more lower horsepower scroll compressors for DOE 2020 and new CARB 50 pound charge requirements.

**High Efficiency (HE) H-Series Condensing Units** are designed and tested to provide an Annual Walk-In Energy Factor (AWEF) required to label units for WICF applications and a great solution to meet California's CARB 50 pound new store charge requirements.\*

The minimum AWEF ratings vary for coolers ranging from 32°F to 55°F and freezers below 32°F by condensing unit location (indoor or outdoor). Refrigerated spaces (55°F or less) and 3,000 square feet or less regardless of application are in scope for the new regulation which covers air cooled condensing units. Out of scope for this regulation are water-cooled, remote condensing, satellite units or condensing units designed to serve more than one refrigeration load. There are no restrictions on using the more efficient units for non-regulated applications like refrigerated display cases or larger WICFs.

\* New store 50 pound charge requirements go into effect January 1, 2022.



Krack has made substantial investments in design and testing to ensure a broad range of condensing units are available to provide application solutions for your WICF needs. Krack's exceptional sales, application, and design teams are ready to answer any questions and assist in selection of units for the new regulation.



Learn more about the High Efficiency H-Series product line at [www.krack.com](http://www.krack.com).



*Shown: High Efficiency H-Series Condensing Unit*

Products that provide lasting solutions.

# Product Solutions for a Continuously Changing Regulatory Environment

Krack provides a broad portfolio of High Efficiency H-Series condensing unit solutions for DOE WICF and California CARB applications.

## FEATURES

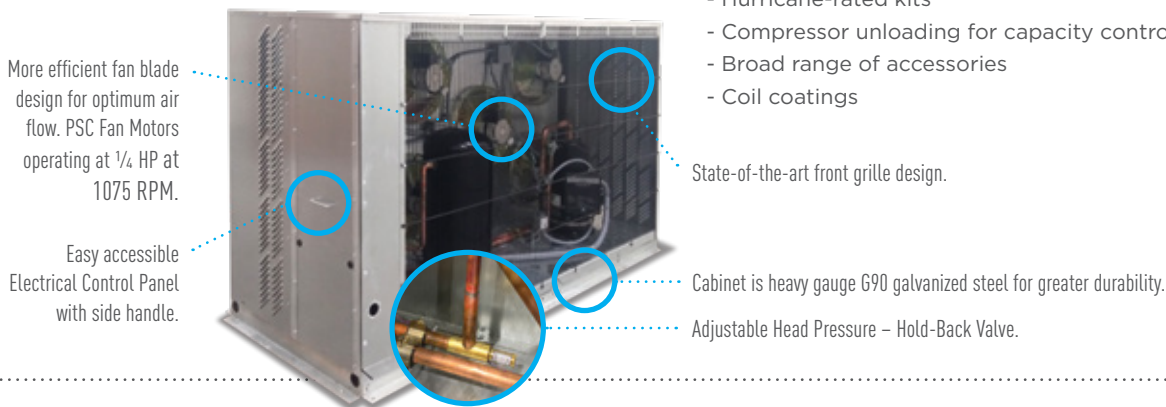
- Five different compressor options including scroll and reciprocating from Copeland and Bitzer.
  - Condensing units equipped with ¼ hp PSC fan motors operating at 1075 RPM.
  - New front grille design that reduces static air pressure relative to legacy H-Series units, resulting in higher energy efficiency.
  - Refrigerants available\* are R-404A, R-507A, R-407A, R-407F, R-448A, and R-449A with data plates showing all refrigerants that exceed DOE 2020 requirements.
- \* Krack products meet all National (including Canada) and State refrigerant regulations. Some refrigerants are not permissible in certain states and Canada.
- Voltages available are 208 V/1 PH/60 HZ, 208 V/3 PH/60 HZ, 460 V/3 PH/60 HZ, and 575 V/3 PH/60 HZ for Canadian applications and are limited only by compressor availability.

## BENEFITS

- Over 980 different configurations that meet the new DOE 2020 AWEF ratings that cover low and medium temperature units for indoor and outdoor applications.  
\* Note: Not all models shown in table below.
- Condenser fan blade is a more efficient design with a deeper pitch to maximize air flow across the condenser.
- Electrical panel on outdoor units moved to the side to provide better air flow and access for service.
- Outdoor models come standard with an adjustable head pressure control to allow optimization by refrigerant and application.
- Outdoor models with multiple condenser fans include ambient temperature control to cycle off half the fans below 40°F.

Available Options:

- Hurricane-rated kits
- Compressor unloading for capacity control
- Broad range of accessories
- Coil coatings



### Number of Standard DOE Compliant **MEDIUM TEMP** Unit Solutions (-D Series)

Compressor Type	Refrigerant R-404A		Refrigerant R-507A		Refrigerant R-407A		Refrigerant R-407F		Refrigerant R-448A		Refrigerant R-449A		TOTAL	
	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Indoor
Copeland Scroll	20	17	16	18	16	18	10	13	12	17	12	16	86	99
Copeland Semi-Hermetic	2	0	0	0	2	0	0	0	0	0	0	0	4	0
Copeland Discus	5	7	5	7	5	8	5	8	5	8	5	8	30	46
Bitzer Ecoline, Motor 2	14	12	11	14	14	16	14	16	13	15	13	15	79	88
Bitzer Ecoline, Motor 1	12	10	12	11	12	13	12	12	12	13	12	13	72	72
<b>TOTAL</b>	<b>53</b>	<b>46</b>	<b>44</b>	<b>50</b>	<b>49</b>	<b>55</b>	<b>41</b>	<b>49</b>	<b>42</b>	<b>53</b>	<b>42</b>	<b>52</b>	<b>271</b>	<b>305</b>

### Number of Standard DOE Compliant **LOW TEMP** Unit Solutions (-D Series)

Compressor Type	Refrigerant R-404A		Refrigerant R-507A		Refrigerant R-407A		Refrigerant R-407F		Refrigerant R-448A		Refrigerant R-449A		TOTAL	
	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Indoor
Copeland Scroll	9	11	9	11	8	3	9	4	9	6	9	6	53	41
Copeland Semi-Hermetic	6	4	0	0	0	0	4	3	2	0	2	0	14	7
Copeland Discus	8	8	8	8	7	8	8	9	6	7	7	8	44	48
Bitzer Ecoline, Motor 2	17	17	17	17	17	17	17	17	16	17	16	17	100	102
<b>TOTAL</b>	<b>40</b>	<b>40</b>	<b>34</b>	<b>36</b>	<b>32</b>	<b>28</b>	<b>38</b>	<b>33</b>	<b>33</b>	<b>30</b>	<b>34</b>	<b>31</b>	<b>211</b>	<b>198</b>



**Krack, a Hussmann Corporation brand**  
 For all customers inquiries, visit [www.krack.com](http://www.krack.com) or call 800.922.1919.  
[www.krack.com](http://www.krack.com)  
[www.hussmann.com](http://www.hussmann.com)