

# Compact chillers for instant cooled quality milk



## A very cool way to help increase your milk quality and profit

Every dairy operation faces the challenge of cooling milk fast enough to achieve the highest level of milk quality. This is especially true for dairy farmers who are expanding their operations, changing over to voluntary milking systems or simply trying to make do with outdated cooling systems that just can't keep up.

**All DeLaval CWCA chillers use the latest generation scroll compressors for optimum energy efficiency for instant cooling.**

The DeLaval Compact Chillers help you achieve the highest levels of milk quality and profit by delivering powerful, instant cooling. This promotes food safety by locking in the quality of your milk before it goes into the tank or truck.

### Hard Facts:

- 50,000 to 400,000 BTUs
- 3 to 34 tons of cooling
- 6 to 52 hp of cooling
- 1, 2 or 4 cooling compressors
- 70% faster installation\*\*\*



CWC120

### DeLaval Dealer: Blake Scharine, who has installed 4 CWCs:

"I really like the simplicity of installation which makes the system great for retrofits and short down times."

"95% of the system is in one modular footprint that sits outside, freeing up valuable space in equipment rooms."

"It's a very competitively priced system and by reducing install, plumbing, refrigeration and electrical time, the customer saves even more."

“ We've had this Chiller in for 2 years now and not a lick of trouble. It cools really well. ”  
*Ken Hildebrandt, Illinois*



CWC15



CWC30



CWC60/90



**DeLaval Compact Chillers are versatile:**  
 They can be used with VMS™ milking robots, conventional parlors and rotaries. Add the PHE Plate Heat Exchanger, Smooth Operator speed control, and milk tank or truck to complete an efficient cooling system.



### User benefits

- Ability to instant cool milk on farms where traditional in-tank cooling is not enough\*\*
- Provides fastest cooling rate of all cooling system types → conserves milk quality
- One-piece design makes it easy and lower cost to install
- Installs outside the building to conserve space
- Built-in heat recovery to limit energy use of heating water
- Internet connected PLC Chiller Controller to monitor status and performance
- Redundant pumps and compressors to minimize the risk of downtime
- Status and performance alarms to give early warning to help reduce downtime

| Description  | Voltage | Part Number | Cooling capacity in ambient temperature F [BTU/h] | Cooling capacity in ambient temperature Tons | # of Cooling Circuits | # of compressors | Total HP | Length "in./[mm] | Width "in./[mm] | Height "in./[mm] |
|--------------|---------|-------------|---|--|-----------------------|------------------|----------|------------------|-----------------|------------------|
| CWC15-A      | 1x230V  | 88979480    | 51,180  | 4.3  | 1                     | 1                | 6        | 76/1950          | 48/1240         | 45/1150          |
| CWC15-A      | 3x230V  | 88979180    | 51,180  | 4.3  | 1                     | 1                | 6        | 76/1950          | 48/1240         | 45/1150          |
| CWC15-A      | 3x460V  | 88978680    | 51,180  | 4.3  | 1                     | 1                | 6        | 76/1950          | 48/1240         | 45/1150          |
| CWC30-A      | 1x230V  | 88979380    | 102,360   | 8.5  | 2                     | 2                | 12       | 77/1980          | 48/1240         | 82/2110          |
| CWC30-A      | 3x460V  | 88978580    | 102,360   | 8.5  | 2                     | 2                | 12       | 77/1980          | 48/1240         | 82/2110          |
| CWC30-A      | 3x230V  | 88979080    | 102,360   | 8.5  | 2                     | 2                | 12       | 77/1980          | 48/1240         | 82/2110          |
| CWC60-A      | 3x230V  | 88978980    | 204,720   | 17.1   | 2                     | 2                | 26       | 117/3000         | 66/1700         | 78/2000          |
| CWC60-A      | 3x460V  | 88978480    | 204,720   | 17.1   | 2                     | 2                | 26       | 117/3000         | 66/1700         | 78/2000          |
| CWC64-A      | 1x230V  | 88979280    | 204,720   | 17.1   | 4                     | 4                | 24       | 117/3000         | 66/1700         | 78/2000          |
| CWC90-A      | 3x230V  | 88978880    | 307,080   | 25.6   | 2                     | 4                | 30       | 117/3000         | 86/2200         | 78/2000          |
| CWC90-A VMS* | 3x230V  | 88982480    | 307,080   | 25.6   | 2                     | 4                | 30       | 117/3000         | 86/2200         | 78/2000          |
| CWC90-A      | 3x460V  | 88978380    | 307,080   | 25.6   | 2                     | 4                | 30       | 117/3000         | 86/2200         | 78/2000          |
| CWC120-A     | 3x230V  | 88978780    | 409,440   | 34.1   | 2                     | 4                | 52       | 121/3100         | 86/2200         | 78/2000          |
| CWC120-A     | 3x460V  | 88978280    | 409,440   | 34.1   | 2                     | 4                | 52       | 121/3100         | 86/2200         | 78/2000          |

Models CWC 30, 60, 90, and 120 all have dual circulation pumps.

\*External Glycol tank. \*\*Approx. up to a 50 stalls \*\*\* comparing installing separate pump module, condensing units, and energy recovery.

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