Alfa Laval ACE Model V

Air Cooled Heat Exchanger

The Alfa Laval ACE Model V is a compact, modular V-type air cooled heat exchanger suited for upstream and midstream industries, as well as downstream power applications.

This adaptation of Alfa Laval's Alfa-V cooler fuses thoughtful and efficient European design with the ruggedness expected in North American natural gas and power generation industries.

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Benefits

- Lower operating costs due to optimization of motor/fan power consumption
- Reduced plot space relative to conventional, horizontal bundle air cooler due to angled orientation of pressure vessel bundles
- High reliability due to robust, ASME coded pressure vessels and standardized fan assemblies for increased fan redundancy
- Lower site installation costs due to factory installed motor control module and potential elimination of costly plant motor control centers
- Low noise due to efficient fan blade profiles, induced draft design and vertical air ejection
- Increased safety relative to conventional solutions, as confined space entry is inherently eliminated by design
- Low transportation costs due to compact design. Designed to fit within standard shipping container for international applications

Bundles

- ASME Section VIII Coded bundles with plug box headers or non-code mechanical tubing headers
- Carbon steel or 304/316 Stainless Steel header and tube materials
- Tube sizes ranging from 5/8" to 1-1/2"
- ACE high-performance, L-footed aluminum fins, 10 fins/inch standard fin density

Structure

- Bolted steel construction with hot-dipped galvanized components

Fans/motors

- 800mm (31.5"), 910mm (35.8"), or 1000mm (39.4") diameter variable speed fans with integral IP 54 protection class EC motors, oriented in pairs (1 to 9 fan pairs max)

Controls

- Individual fan control via Alfa Laval's factory-installed, programmable fan control module

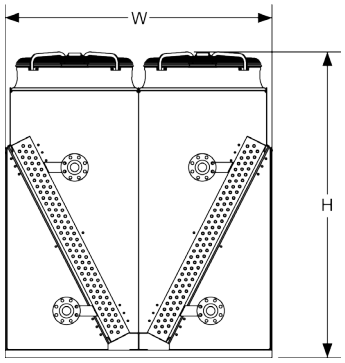
Optional features

- Painted top coat applied over galvanized finish, tinted to customer specification
- High alloy plug box headers and tubes
- Embedded or extruded aluminum fins
- High-density L-footed fins (13 fins/inch)
- Fans may be driven by AC motors in lieu of EC motors (controls by others)
- IP 55 protection class EC motors
- Core guards over finned tubes for extra protection
- Perimeter bug screens (metal or fabric)
- Automatic or manual louvers over finned tubes

Dimensional data

No. of Fan Pairs	Dimensions, Inches (mm)		
	Length (L)	Height (H)	Width (W)
2	120 (3048)	106 (2692.4)	92 (2336.8)
3	171 (4343.4)	106 (2692.4)	92 (2336.8)
4	222 (5638.8)	106 (2692.4)	92 (2336.8)
5	274 (6959.6)	106 (2692.4)	92 (2336.8)
6	326 (8280.4)	106 (2692.4)	92 (2336.8)
7	378 (9601.2)	106 (2692.4)	92 (2336.8)
8	430 (10922)	106 (2692.4)	92 (2336.8)
9	482 (12242.8)	106 (2692.4)	92 (2336.8)

*Dimensions are approximate and subject to change depending on exact specifications



Alfa Laval reserves the right to change specifications without prior notification.

How to contact Alfa Laval
Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com

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