



# AlfaBlue Power BDP

## Air-cooled liquid coolers

### General information & application

AlfaBlue Power is a range of heavy-duty liquid coolers specifically designed for cooling industrial process fluids. These industrial liquid coolers are often used for cooling water or other liquids in process, steel, chemical and food industries.

Capacities\* 1180 up to 4940 kW

\* (water,  $T_{air}=35^{\circ}\text{C}$ ;  $T_{fluid\ in/out}=90/70^{\circ}\text{C}$ ).

### Coil

An innovative coil design provides excellent heat transfer. In standard execution radiators are fitted with smooth copper tubing and industrial power fins for long lasting performance. Available in different fin thicknesses, fin materials, fin spacings and surface treatments. Coil configuration optimized according to liquid flow. Flanges aluminium (UNI EN 1092-4) or stainless steel (UNI EN 1092-1).

AlfaBlue Power offers the possibility to have two separate sandwiched coils. This solution is used to combine HT & LT circuits in a single casing.

### Casing

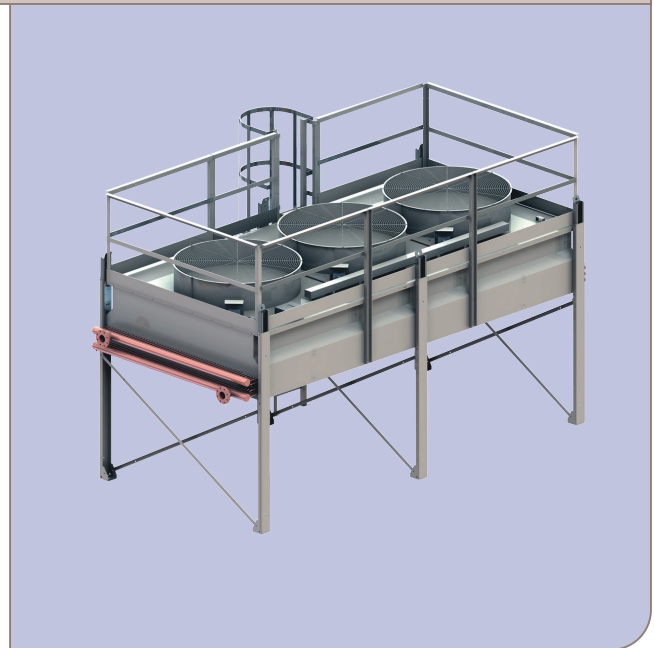
Frame construction provides high rigidity for stability and protection against vibration and thermal expansion. Casing & frame are in Hot dip galvanized steel or Aluzinc. Optional: all casing parts 2-sided epoxy coating. Separated fan sections.

### Fan motors

Fan motors specifically designed for outdoor conditions, protection class IP55. Fan diameter 1440 mm, blowing through the coil. Power supply 400/50/3 or 460/60/3. Each motor is completely pre-wired to an isolating switch and fitted with a top protection cover.

### Certifications

The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.



AlfaBlue Power with handrail, ladder & support structure.

### Design pressure

Design pressure 9 bar. Each heat exchanger is leak tested with dry air.

### Selection

For selection and support please contact your local Alfa Laval representative.



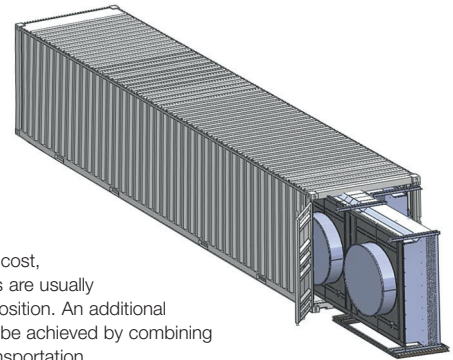
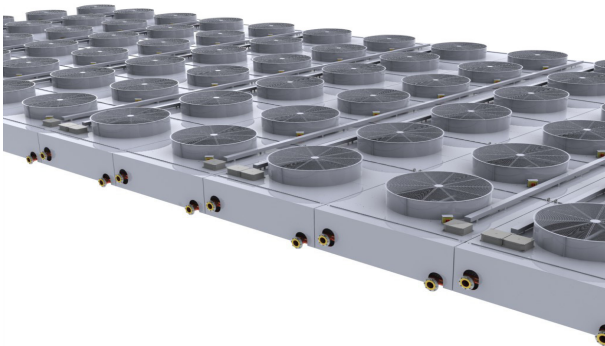
Alfa Laval liquid cooler platform

Model	fans	L mm	W mm	H mm	weight kg
BDP 2*/8-159	2	3555	2330	1060	1100
BDP 3*/8-159	3	5145	2330	1060	1500
BDP 4*/8-159	4	6735	2330	1060	2100
BDP 5*/8-159	5	8325	2330	1060	2600
BDP 6*/8-159	6	9915	2330	1060	3200
BDP 7*/8-159	7	11505	2330	1060	3700
BDP 8*/8-159	8	13095	2330	1060	4200
BDP 2*/8-185	2	4075	2330	1060	1300
BDP 3*/8-185	3	5925	2330	1060	1900
BDP 4*/8-185	4	7775	2330	1060	2400
BDP 5*/8-185	5	9625	2330	1060	3000
BDP 6*/8-185	6	11475	2330	1060	3600
BDP 7*/8-185	7	13325	2330	1060	4300
BDP 2*/8-200	2	4375	2330	1060	1300
BDP 3*/8-200	3	6375	2330	1060	1900
BDP 4*/8-200	4	8375	2330	1060	2600
BDP 5*/8-200	5	10375	2330	1060	3200
BDP 6*/8-200	6	12375	2330	1060	4000
BDP 2*/8-222	2	4815	2330	1060	1450
BDP 3*/8-222	3	7035	2330	1060	2100
BDP 4*/8-222	4	9255	2330	1060	2900
BDP 5*/8-222	5	11475	2330	1060	3500
BDP 6*/8-222	6	13695	2330	1060	4400

## Options

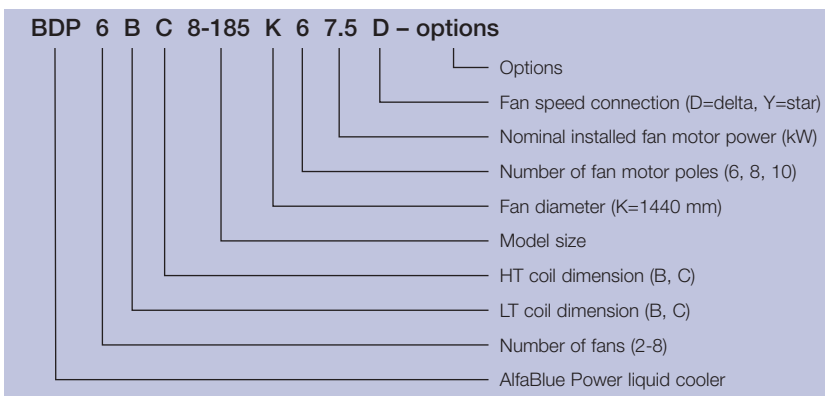
- Larger fin spacings for dirty/dusty operating conditions
- Stainless steel tubes BDPY (Aisi 304 or 316L)
- Multi-Circuiting
- Sandwiched coils (HT + LT)
- Coil corrosion protection
  - Coil coating (Al-precoated or painted after production)
  - Cu fins
  - Fins seawater resistant aluminium alloy 57S/5052
- Fan plate hot dip galvanized
- Fan blade materials
  - Aluminium
  - Galvanized steel
  - Fiber glass
- Coil protection grid
- Handrail kit, ladder & steel support structure (H = 2 to 6 m)
- Vibration dampers
- Electrical options
  - Isolating switch
  - Motors wired to a common terminal box
  - Switchboard (IP55)
  - EMC approval
  - Fan step control
  - Fan speed control
  - Frequency control
  - Special fan motors (on request)

All models: connections on the same side



To reduce transport cost, AlfaBlue Power units are usually shipped in vertical position. An additional 50% reduction may be achieved by combining two units during transportation.

## Code description



## Benefits

- Heavy duty design with high corrosion resistance
- Easily cleanable industrial power fins
- Reliable performance
- Easy installation & maintenance.
- Reduced transport cost
- Energy efficient - low total cost of ownership.
- Two-year product guarantee.
- Easy access to additional on-line product information (QR code)



## 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](http://www.alfalaval.com)

