



# TECHNICAL DATA SHEET

**CODE:**  
**01A.480.VBG.0**  
 Rev.00 Pg.1/1  
 Date 11/05/2015

## WATER COOLED AFTERCOOLER

**MODEL:**

AV 80

**Installation method**

Vertical

Rated capacity\*

|                                      |                   |                    |                 |         |
|--------------------------------------|-------------------|--------------------|-----------------|---------|
| <b>Air flow rate</b>                 | m <sup>3</sup> /h | 480                |                 |         |
|                                      | l/min             | 8000               |                 |         |
|                                      | cfm               | 282,5              |                 |         |
| <b>Working pressure - Air side</b>   | bar / psi         | 7,0 / 101,5        | (Max 12)        |         |
| <b>Pressure drop</b>                 | bar / psi         | 0,150 / 2,2        |                 |         |
| <b>Air inlet temperature</b>         | °C / °F           | 120 / 248          | (Max 120 / 248) |         |
| <b>Water inlet temperature</b>       | °C / °F           | 15 / 59            | (Max 40 / 104)  |         |
| <b>Air outlet temperature</b>        | °C / °F           | 34 / 93            | (Max 66 / 151)  |         |
| <b>Water consumption</b>             | m <sup>3</sup> /h | 1,00               |                 |         |
|                                      | l/min             | 16,67              |                 |         |
|                                      | cfm               | 0,589              |                 |         |
| <b>Working pressure - Water side</b> | bar / psi         | 3,0 / 43,5         | (Max 7 / 102)   |         |
| <b>Air connections</b>               | IN                | 2-1/2" BSP (DN 65) |                 |         |
|                                      | OUT               | 1-1/2" BSP         |                 |         |
| <b>Water connections</b>             | IN / OUT          | 3/4" BSP           |                 |         |
| <b>Condensate outlet</b>             | G                 | 3/8" BSP           |                 |         |
| <b>Dimensions</b>                    | A                 | 1300 mm            | B               | 37 mm   |
|                                      | A1                | 157 mm             | C               | 385 mm  |
|                                      | A2                | 1297 mm            | D               | 89 mm   |
|                                      | E                 | 225 mm             | H               | 1870 mm |
|                                      |                   |                    |                 |         |
| <b>Weight</b>                        | Kg / Lbs          | 29 / 64            |                 |         |

**Standard features**

|                              |                  |                              |              |
|------------------------------|------------------|------------------------------|--------------|
| <b>Separator type:</b>       | Centrifugal      | <b>Heat exchanger shell:</b> | Carbon steel |
| <b>Drain discharge:</b>      | Manual, with tap | <b>Condensate Separator:</b> | Aluminium    |
| <b>Heat exchanger tubes:</b> | Copper           |                              |              |

\* Performances refer to air suction of FAD 20°C (68°F), 1 bar (14.5 psig)

**Performances & specifications: +/- 5%**

|    |            |    |              |                   |
|----|------------|----|--------------|-------------------|
| AI | Air inlet  | WI | Water inlet  | Condensate outlet |
| AO | Air outlet | WO | Water outlet |                   |

