

# AD-25-VS-100-055

Evaporative cooler with top air outlet



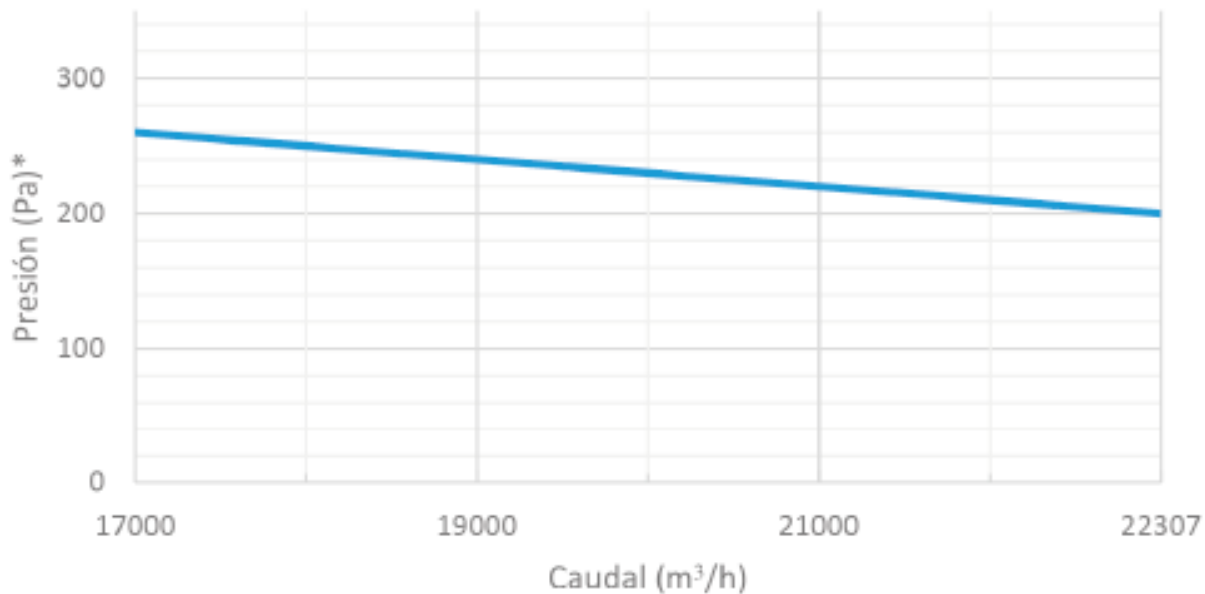
|                 | DESCRIPTION                            | UNITS               | DATA                                  |
|-----------------|--|---------------------|---------------------------------------|
| AIR FLOW        | Air flow                               | m <sup>3</sup> /h   | 22.307                                |
|                 | Available static pressure              | Pa                  | 103                                   |
| ENGINE          | Rated power                            | kW                  | 5,50                                  |
|                 | Nominal consumption                    | A                   | 11,10 A (400V III) 20,20 A (220V III) |
|                 | Speeds                                 | Units               | 1 speed / frequency inverter          |
|                 | Tension                                | V/Phases/Hz         | 400/III/50 Hz                         |
|                 | Regulation type                        | -                   | 1 speed / frequency inverter          |
| FAN             | Typo                                   | -                   | Centrifuge                            |
|                 | Diameter                               | mm                  | -                                     |
|                 | Speed                                  | Rpm                 | 649 (PM-112 PV-250)                   |
|                 | Drive belts                            | Units               | 2 x XPA 1700                          |
| PUMP            | Model                                  | -                   | WILO TM 32/7                          |
|                 | Power / Nominal consumption            | -                   | 250W / 1,50 A                         |
|                 | Flow (2m height)                       | l/m                 | 115                                   |
|                 | Tension                                | V/Phases/Hz         | 230/I/50                              |
|                 | Level switch                           | -                   | Yes                                   |
| COOLING         | Panel type                             | -                   | 5090                                  |
|                 | Dimensions                             | mm                  | 1000x600x100                          |
|                 | Quantity                               | Units               | 8                                     |
|                 | Total panel surface                    | m <sup>2</sup>      | 4,80                                  |
|                 | Panel air speed                        | m/s                 | 1,29                                  |
|                 | Panel efficiency                       | %                   | 89                                    |
|                 | Temperature impulsión (40°C – 30% HR)  | °C                  | 26,7 °C                               |
| SOUND LEVEL     | Pre filter G4                          | -                   | Optional                              |
|                 | Sound level                            | dB (A) 3m           | 74                                    |
| CONNECTIONS     | Inlet solenoid valve                   | Inches              | ½"                                    |
|                 | Water evacuation                       | Inches              | 1 ¼"                                  |
|                 | Overflow                               | Inches              | 1"                                    |
| CLEANING SYSTEM | Automatic emptying                     | -                   | Yes                                   |
|                 | UV lamp                                | -                   | Optional                              |
| CONTROL TYPE    | Electric panel 1 speed                 | -                   | Optional                              |
|                 | Electric panel with frequency inverter | -                   | Optional                              |
| DIMENSIONS      | Overall dimensions                     | Width/Length/Height | 1510x1510x1455mm                      |
|                 | Mouthpiece connexion dimensions        | Width/length        | 606x606mm                             |
|                 | Empty weight / operating               | Kg                  | 350 / 433                             |
| CERTIFICATES    |  |                     | CE                                    |

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## Prestaciones AD-25 (5,5 kW)



## Standard design details

- Water tray made of polyamide
- Corner and central posts in stainless steel AISI-304
- Top roof and inlet grilles in galvanised steel with polyester powder coating (INOX version in AISI-304)
- Cooling panels type 5090 of 100mm thick
- Centrifugal fan unit with forward blades and hot-dip galvanised frame
- Automatic draining system patented by MET MANN
- SCHAEFFLER DUROTECH Corrosion Protection Bearings
- Maintenance-free QUAD-POWER4 power transmission belts from GATES
- WILO IP 68 water pump with level switch
- High efficiency electric motor IE3 IP 55
- Normally closed inlet solenoid valve
- Half-turn opening system for access to the inside of the unit
- Base stand with legs supplied as standard for ease of transport and installation

## Custom manufacturing

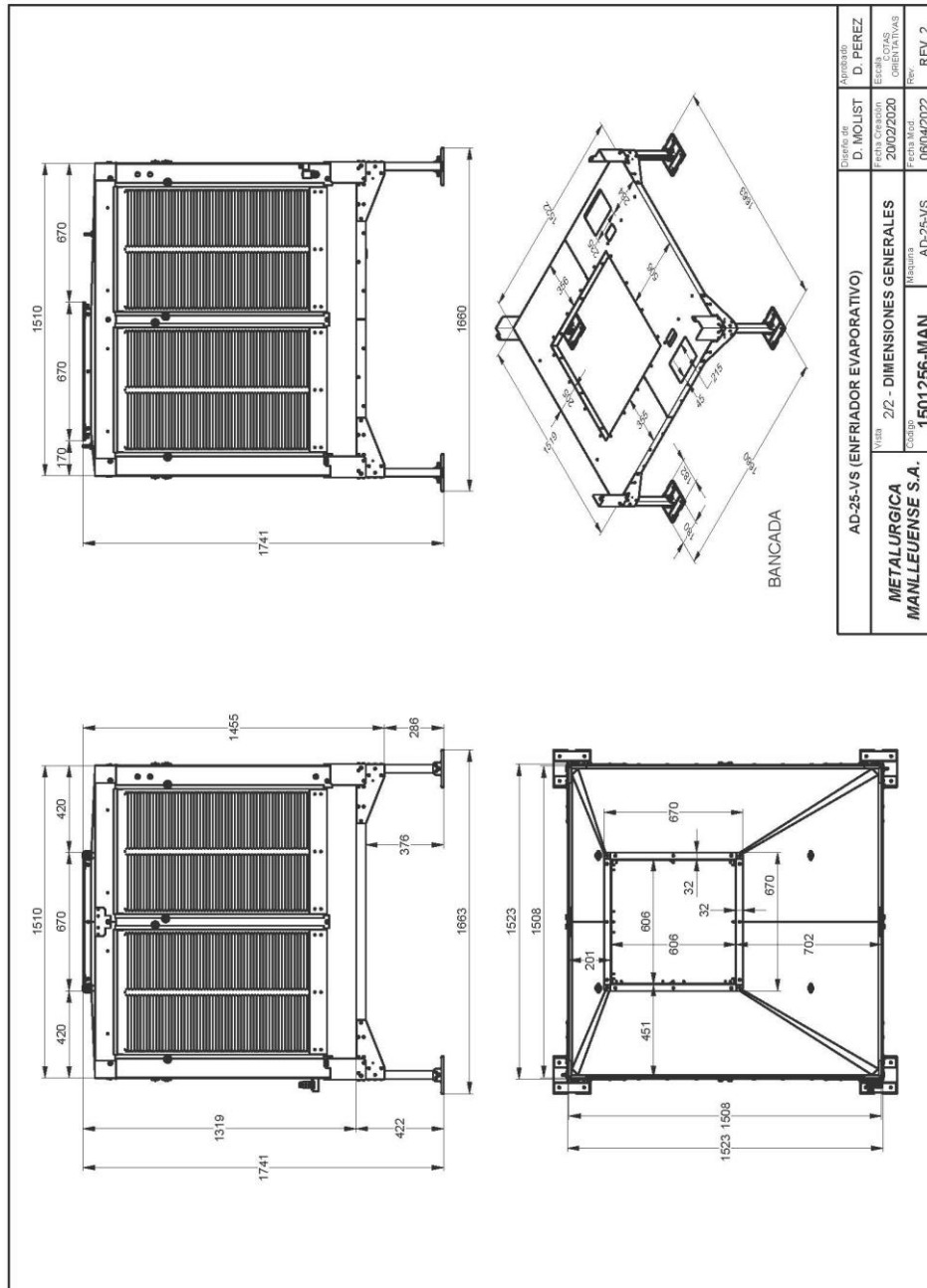
- Air filtration to comply with BRC food standards
- Customized air flows and pressures
- ATEX motors for explosive environments, etc...

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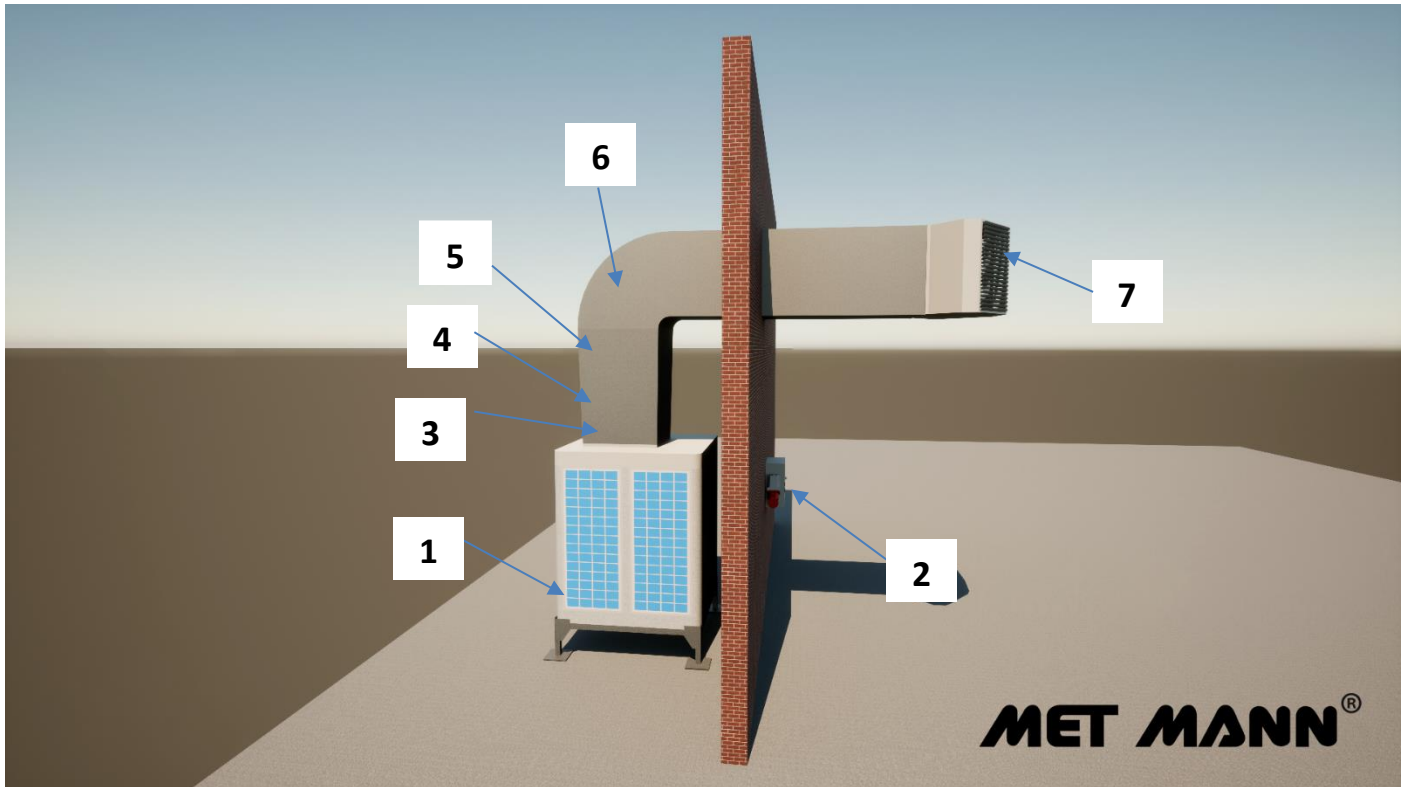
## Overall dimensions



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Surface installation with diffuser



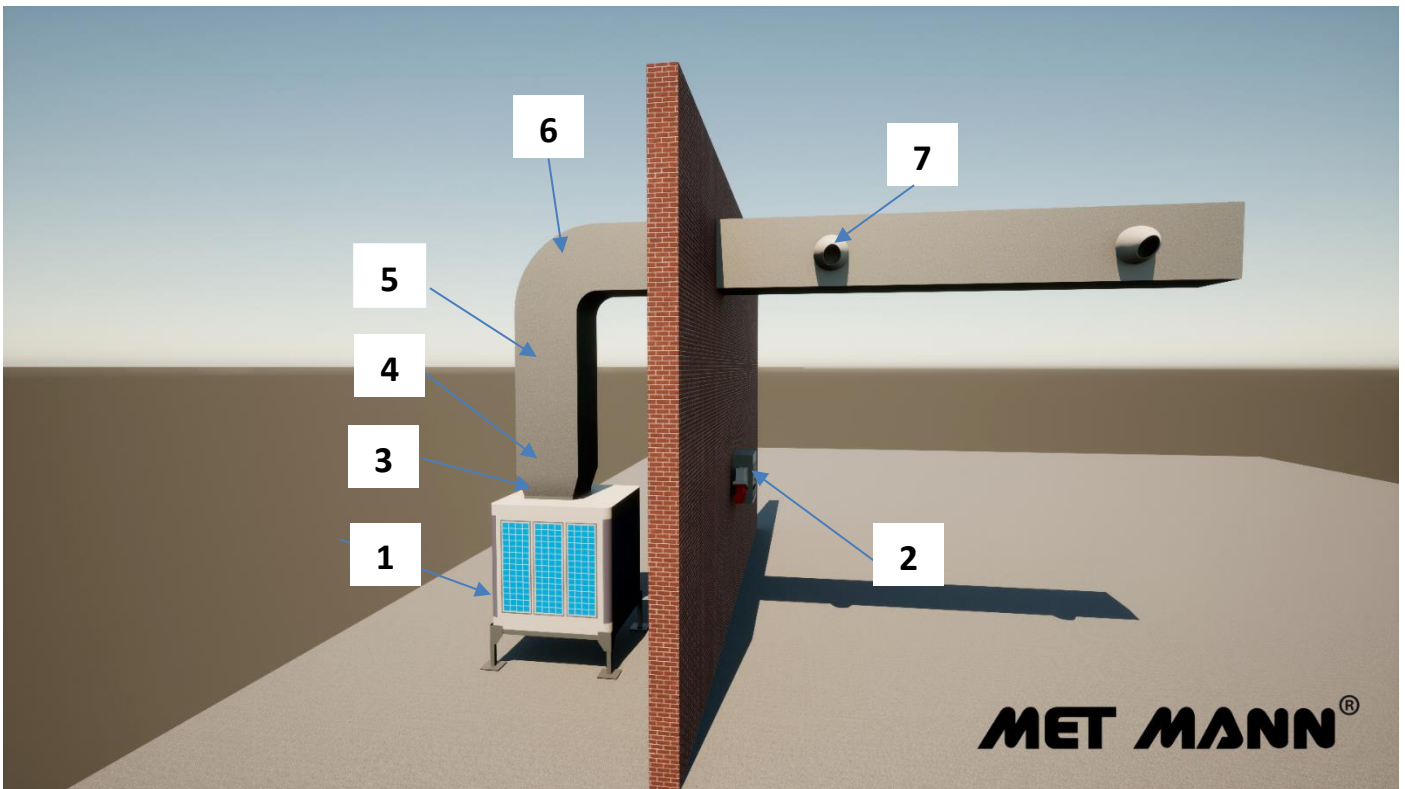
| POSITION | DESCRIPTION                                 | UNITS | STANDARD      | INOX          |
|----------|---|-------|---------------|---------------|
| 01       | Evaporative cooler AD-25-VS-100-055         | 1     | 15012561055S  | 15012561055I  |
| 02       | Electric panel 1 speed / frequency inverter | 1     | 0415CMS055400 | 0415CF055400  |
| 03       | Coupling (640x640/850x850)                  | 1     | 180564648585  |               |
| 04       | Flexible joint JE-850 (850x850)             | 1     | 1805AV8585    |               |
| 05       | Straight section TR-850 (850x850x1000)      | 1     | 1805TR850     |               |
| 06       | Curved section 90° TC-850 (850x850)         | 1     | 1805TC850     |               |
| 07       | 3-way air diffuser DCH-3-40                 | 1     | 0323150140301 |               |
| -        | Pre filter PG4-25                           | 8     | 04150125G412  | 04150125G412I |
| -        | UV WATER treatment                          | 1     | 031501101010M |               |
| -        | Protective case FU-25-VS                    | 1     | 03021502025W  |               |

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## Surface installation with impulsion nozzles



| POSITION | DESCRIPTION                                 | UNITS | STANDARD      | INOX          |
|----------|---|-------|---------------|---------------|
| 01       | Evaporative cooler AD-25-VS-100-055         | 1     | 15012561055S  | 15012561055I  |
| 02       | Electric panel 1 speed / frequency inverter | 1     | 0415CMS055400 | 0415CF055400  |
| 03       | Coupling (640x640/850x850)                  | 1     | 180564648585  |               |
| 04       | Flexible joint JE-850 (850x850)             | 1     | 1805AV8585    |               |
| 05       | Straight section TR-850 (850x850x1000)      | 1     | 1805TR850     |               |
| 06       | Curved section 90° TC-850 (850x850)         | 1     | 1805TC850     |               |
| 07       | High induction nozzles CI-300               | 1     | 04150PAKCONO  |               |
| -        | Pre filter PG4-25                           | 8     | 04150125G412  | 04150125G412I |
| -        | UV WATER treatment                          | 1     | 031501101010M |               |
| -        | Protective case FU-25-VS                    | 1     | 03021502025W  |               |