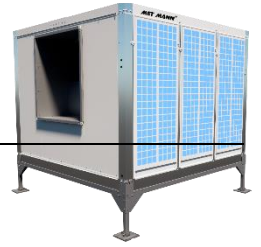


# AD-55-H-100-092

Evaporative cooler with side air outlet

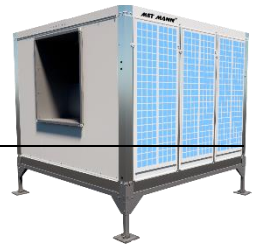


|                 | DESCRIPTION                            | UNITS               | DATA                            |
|-----------------|--|---------------------|---------------------------------|
| AIR FLOW        | Air flow                               | m <sup>3</sup> /h   | 50.869                          |
|                 | Available static pressure              | Pa                  | 100                             |
| ENGINE          | Rated power                            | kW                  | 9,20                            |
|                 | Nominal consumption                    | A                   | 17,8 A (400V/50Hz)              |
|                 | Speeds                                 | Units               | 1 speed / frequency inverter    |
|                 | Tension                                | V/Phases/Hz         | 400/III/50-60 Hz                |
|                 | Regulation type                        | -                   | 1 speed / frequency inverter    |
| FAN             | Typo                                   | -                   | Centrifugal with forward blades |
|                 | Diameter                               | mm                  | -                               |
|                 | Speed                                  | Rpm                 | 360 (PM-112 PV-450)             |
|                 | Drive belts                            | Units               | 3 x QUADPOWER XPA 2900          |
| 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                  | 1500x600x100                    |
|                 | Quantity                               | Units               | 9                               |
|                 | Total panel surface                    | m <sup>2</sup>      | 8,10                            |
|                 | Panel air speed                        | m/s                 | 1,74 (*)                        |
|                 | Panel efficiency                       | %                   | 86                              |
|                 | Temperature impulsión (40°C – 30% HR)  | °C                  | 27,2 °C                         |
| Pre filter G4   | -                                      | Optional            |                                 |
| SOUND LEVEL     | Sound level                            | dB (A) 3m           | 73                              |
| 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 | 2231x2189x1917mm                |
|                 | Mouthpiece connexion dimensions        | Width/length        | 935x890mm                       |
|                 | Empty weight / operating               | Kg                  | 555 / 750                       |
| CERTIFICATES    |  |                     | CE                              |

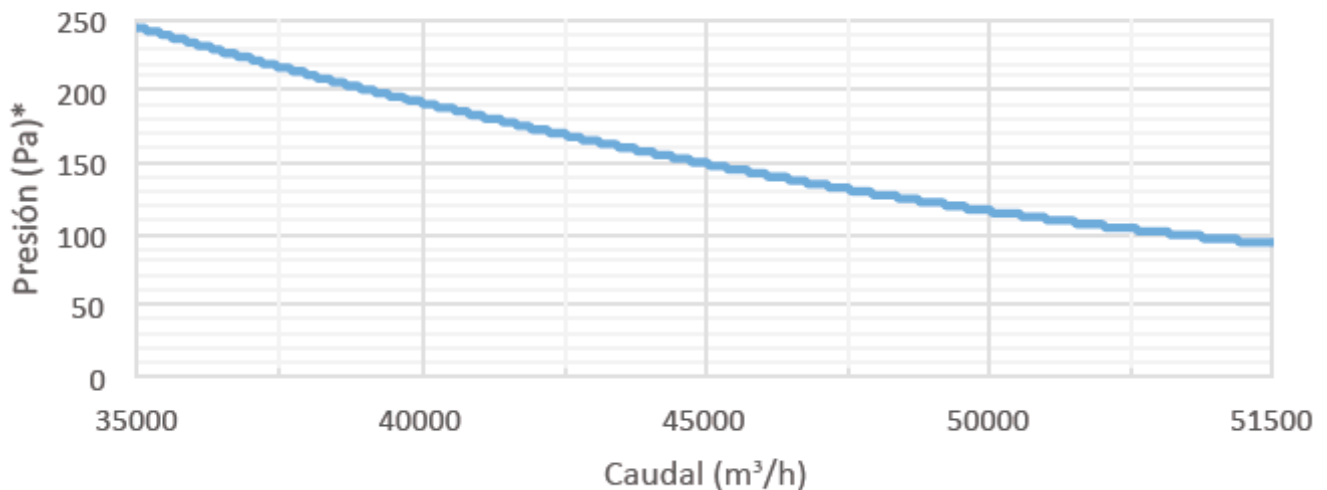
(\*) includes droplet separator

# AD-55-H-100-092

Evaporative cooler with side air outlet



## Prestaciones AD-55 (9,2 kW)



## Standard design details

- Water tray made of AISI-316 stainless steel.
- Corner and central posts in stainless steel AISI-304
- Top roof, side outlet and inlet grilles in galvanised polyester powder coated (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 DUROTECT corrosion-resistant bearings with protective caps
- 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

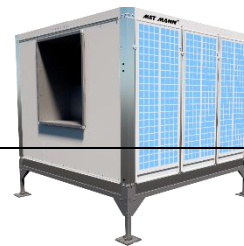
## Custom manufacturing

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

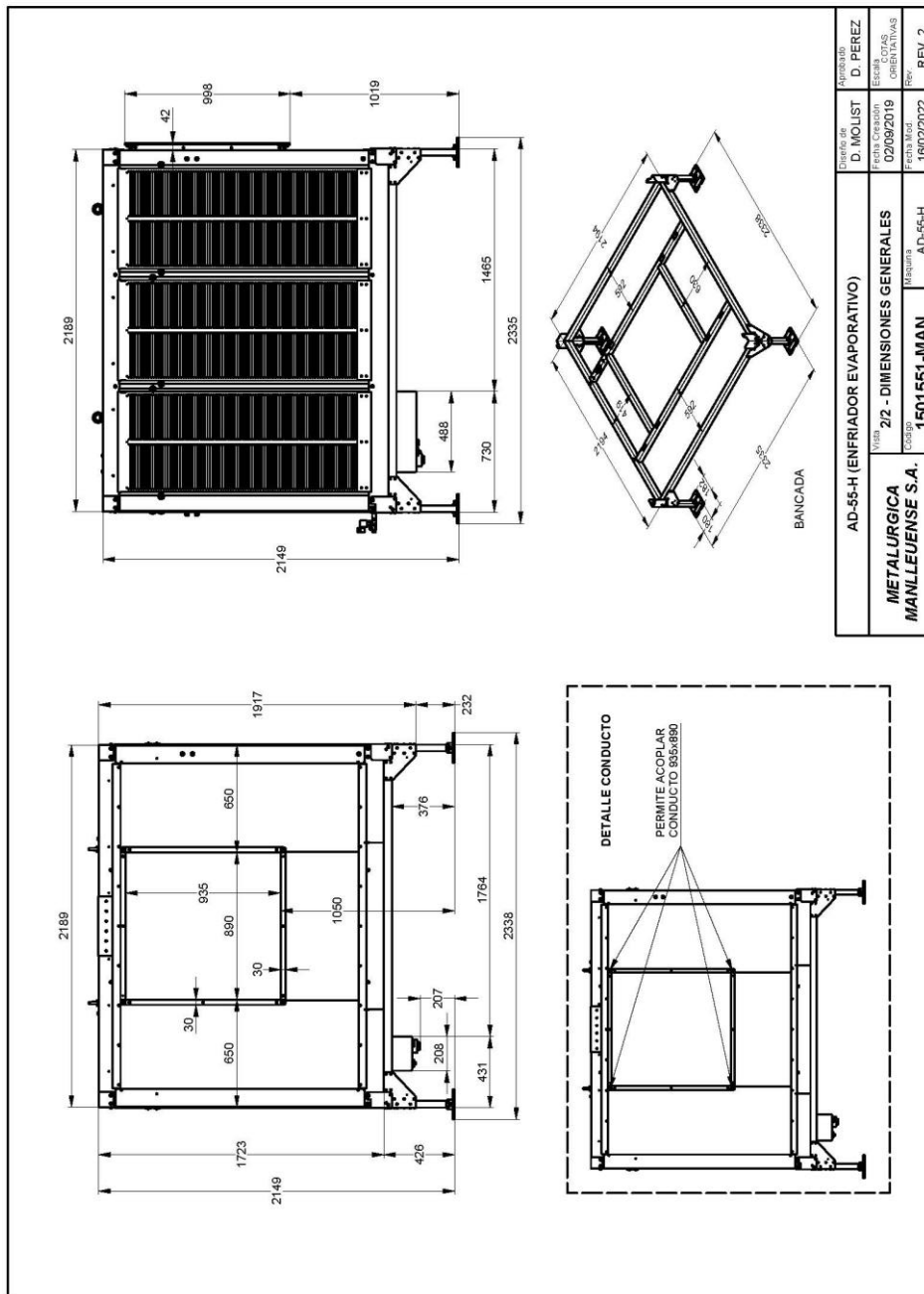


# AD-55-H-100-092

Evaporative cooler with side air outlet

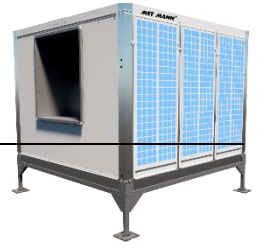


## Overall dimensions

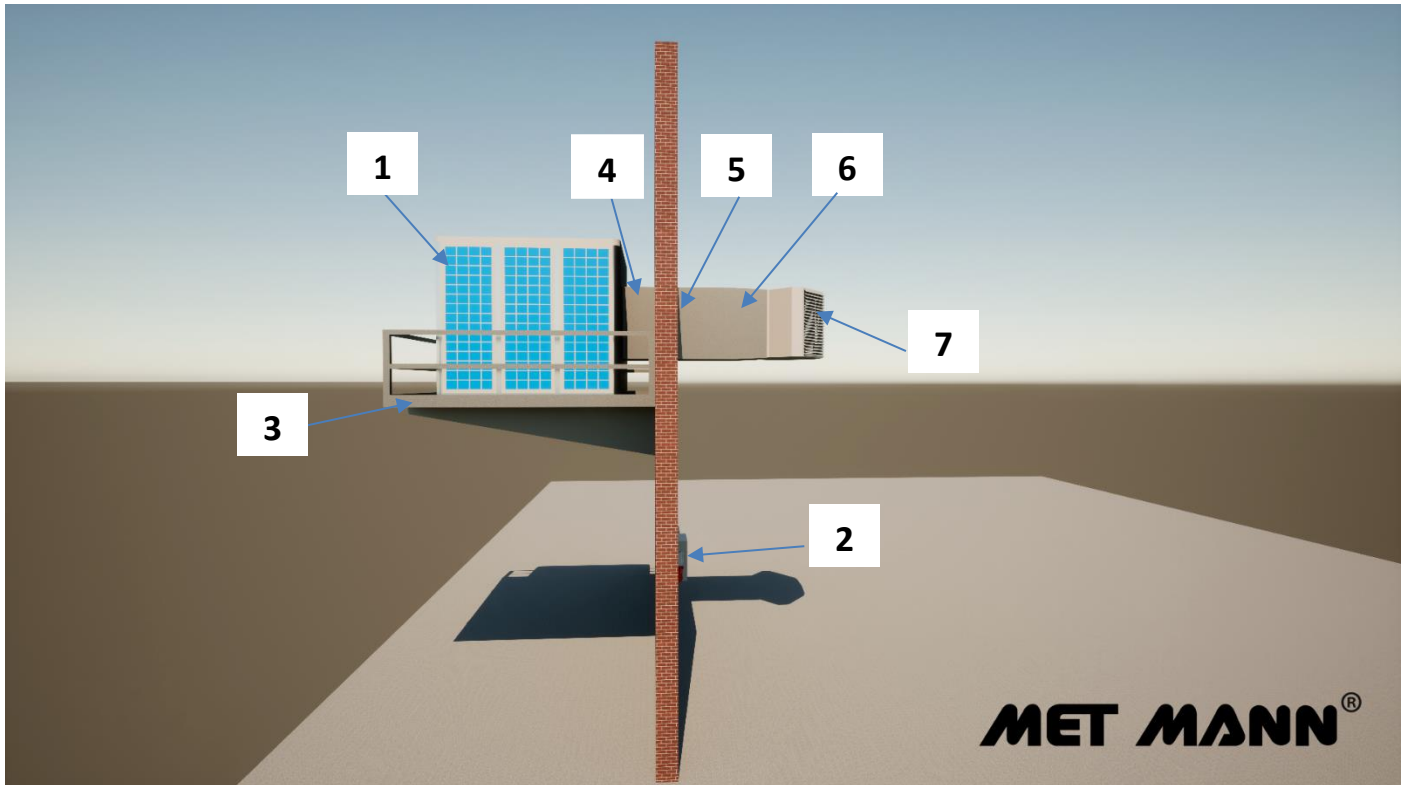


# AD-55-H-100-092

Evaporative cooler with side air outlet



## Wall installation with diffuser



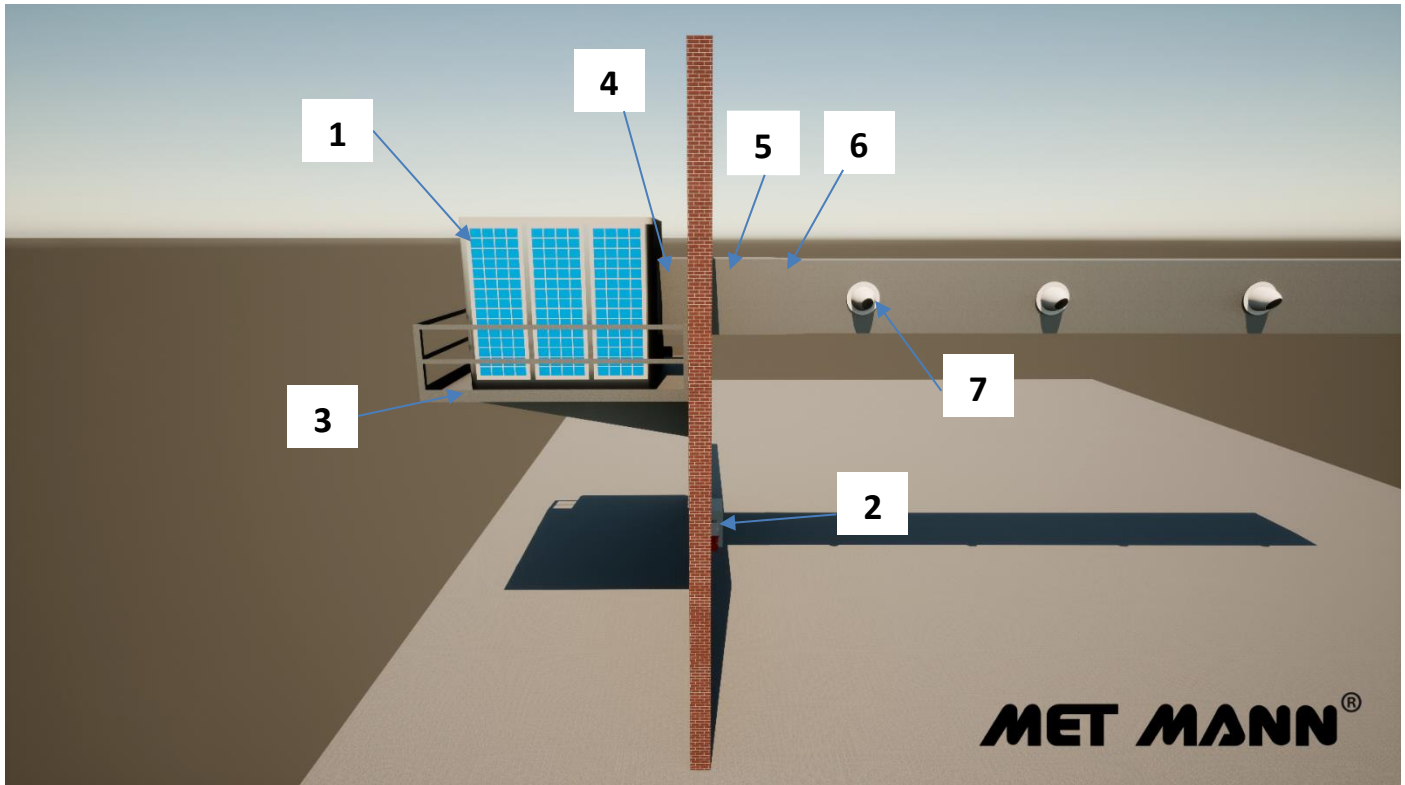
| POSITION | DESCRIPTION                                 | UNITS | STANDARD      | INOX          |
|----------|---|-------|---------------|---------------|
| 01       | Evaporative cooler AD-55-H-100-092          | 1     | 15015511092S  | 15015511092I  |
| 02       | Electric panel 1 speed / frequency inverter | 1     | 0415CET092400 | 0415CF092400  |
| 03       | Base stand support                          | 1     | NOT AVAILABLE |               |
| 04       | Flexible joint JE-55 (935x890)              | 1     | 1805AV9389    |               |
| 05       | Straight section TR-55 (935x890x1000)       | 1     | 1805TR55      |               |
| 06       | Coupling (937x890/900x900)                  | 1     | 180590907976  |               |
| 07       | 3-way air diffuser DCH-3-55                 | 1     | 0323150155301 |               |
| -        | Pre filter PG4-40                           | 9     | 04150140G412  | 04150140G412I |
| -        | UV WATER treatment                          | 1     | 031501102020M |               |
| -        | Protective case FU-55-H                     | 1     | 030215020551H |               |

# AD-55-H-100-092

Evaporative cooler with side air outlet



## Wall installation with impulsion nozzles



| POSITION | DESCRIPTION                                 | UNITS | STANDARD      | INOX          |
|----------|---|-------|---------------|---------------|
| 01       | Evaporative cooler AD-55-H-100-092          | 1     | 15015511092S  | 15015511092I  |
| 02       | Electric panel 1 speed / frequency inverter | 1     | 0415CET092400 | 0415CF092400  |
| 03       | Base stand support                          | 1     | NOT AVAILABLE |               |
| 04       | Flexible joint JE-55 (935x890)              | 1     | 1805AV9389    |               |
| 05       | Straight section TR-55 (935x890x1000)       | 1     | 1805TR55      |               |
| 06       | Coupling (935x890/900x900)                  | 1     | 180590907976  |               |
| 07       | High induction nozzles CI-300               | 1     | 04150PAKCONO  |               |
| -        | Pre filter PG4-40                           | 9     | 04150140G412  | 04150140G412I |
| -        | UV WATER treatment                          | 1     | 031501102020M |               |
| -        | Protective case FU-55-H                     | 1     | 030215020551H |               |