

Technical data sheet

AD-40-V-100-055



Evaporative cooler with bottom air outlet

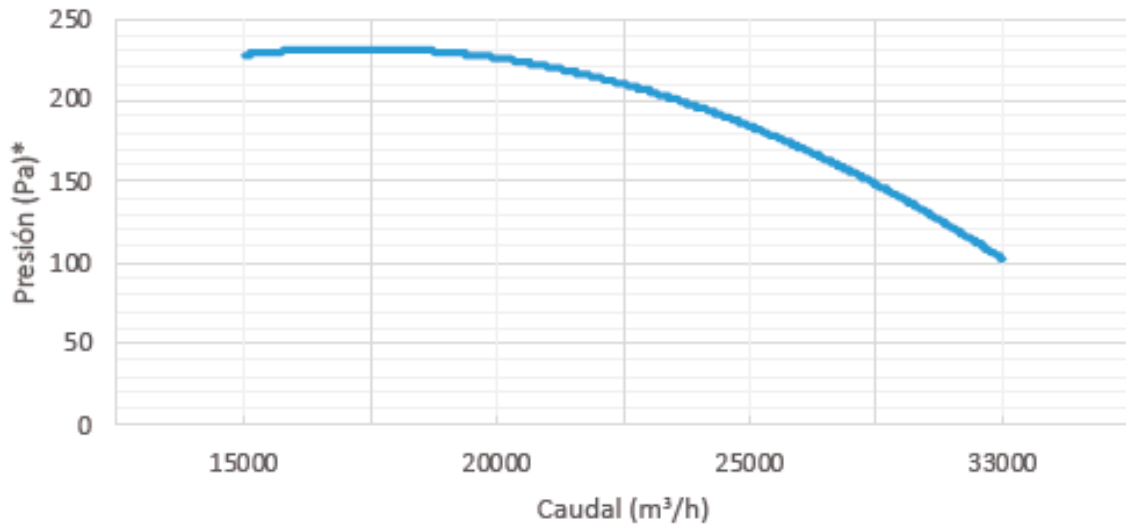
| | DESCRIPTION | UNITS | DATA |
|-----------------|--|---------------------|---------------------------------------|
| AIR FLOW | Air flow | m ³ /h | 32417 |
| | Available static pressure | Pa | 103 |
| ENGINE | Rated power | kW | 5,50 |
| | Nominal consumption | A | 12,70 A (400V III) 23,20 A (220V 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 | 408 (PM-100 PV-355) |
| | Drive belts | Units | 2 x XPA 2382 |
| 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 | 8 |
| | Total panel surface | m ² | 7,20 |
| | Panel air speed | m/s | 1,25 |
| | Panel efficiency | % | 89 |
| | Temperature impulsión (40°C – 30% HR) | °C | 26,7 °C |
| Pre filter G4 | - | Optional | |
| SOUND LEVEL | Sound level | dB (A) 3m | 69 |
| 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 | 1510x1510x1898mm |
| | Mouthpiece connexion dimensions | Width/length | 850x850mm |
| | Empty weight / operating | Kg | 408 / 491 |
| CERTIFICATES | | | CE |

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Prestaciones AD-40 (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 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

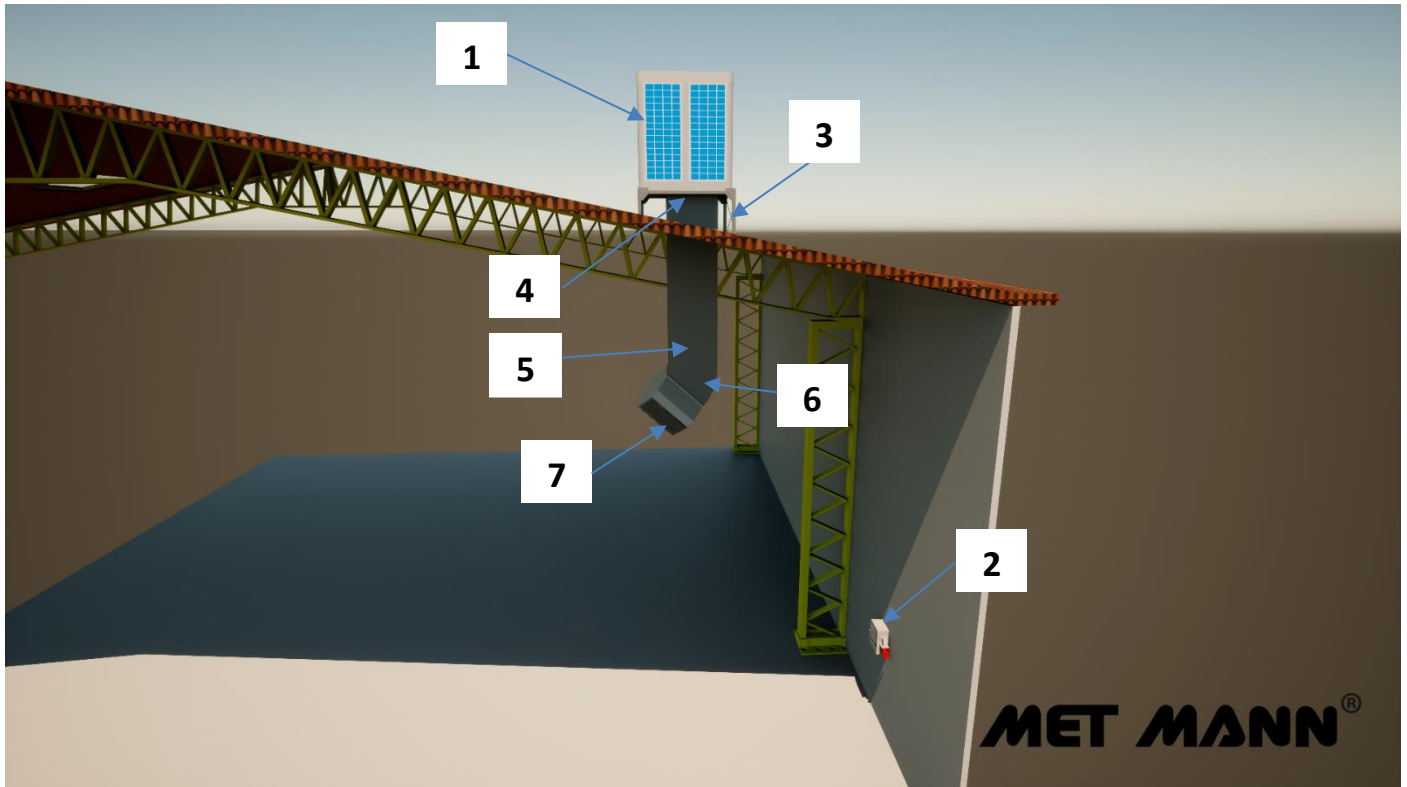
- Air filtration to comply with BRC food standards
- Customized air flows and pressures
- ATEX motors for explosive environments, etc...

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Installation on roof with diffuser 3 outputs



| POSITION | DESCRIPTION | UNITS | STANDARD | INOX |
|----------|---|-------|---------------|---------------|
| 01 | Evaporative cooler AD-40-V-100-055 | 1 | 15014051055S | 15014051055I |
| 02 | Electric panel 1 speed / frequency inverter | 1 | 0415CMS055400 | 0415CF055400 |
| 03 | Base stand support KBT-40 | 1 | 03091501040 | |
| 04 | Flexible joint JE-850 (850x850) | 1 | 1805AV8585 | |
| 05 | Straight section TR-850 (850x850x1000) | 1 | 1805TR850 | |
| 06 | Curved section TC-40 45°o 90° (850x850) | 1 | - | |
| 07 | 3-way air diffuser DCH-3-40 | 1 | 0323150140301 | |
| - | Pre filter PG4-40 | 8 | 04150140G412 | 04150140G412I |
| - | UV WATER treatment | 1 | 031501101010M | |
| - | Protective case FU-40-V | 1 | 03021502035 | |

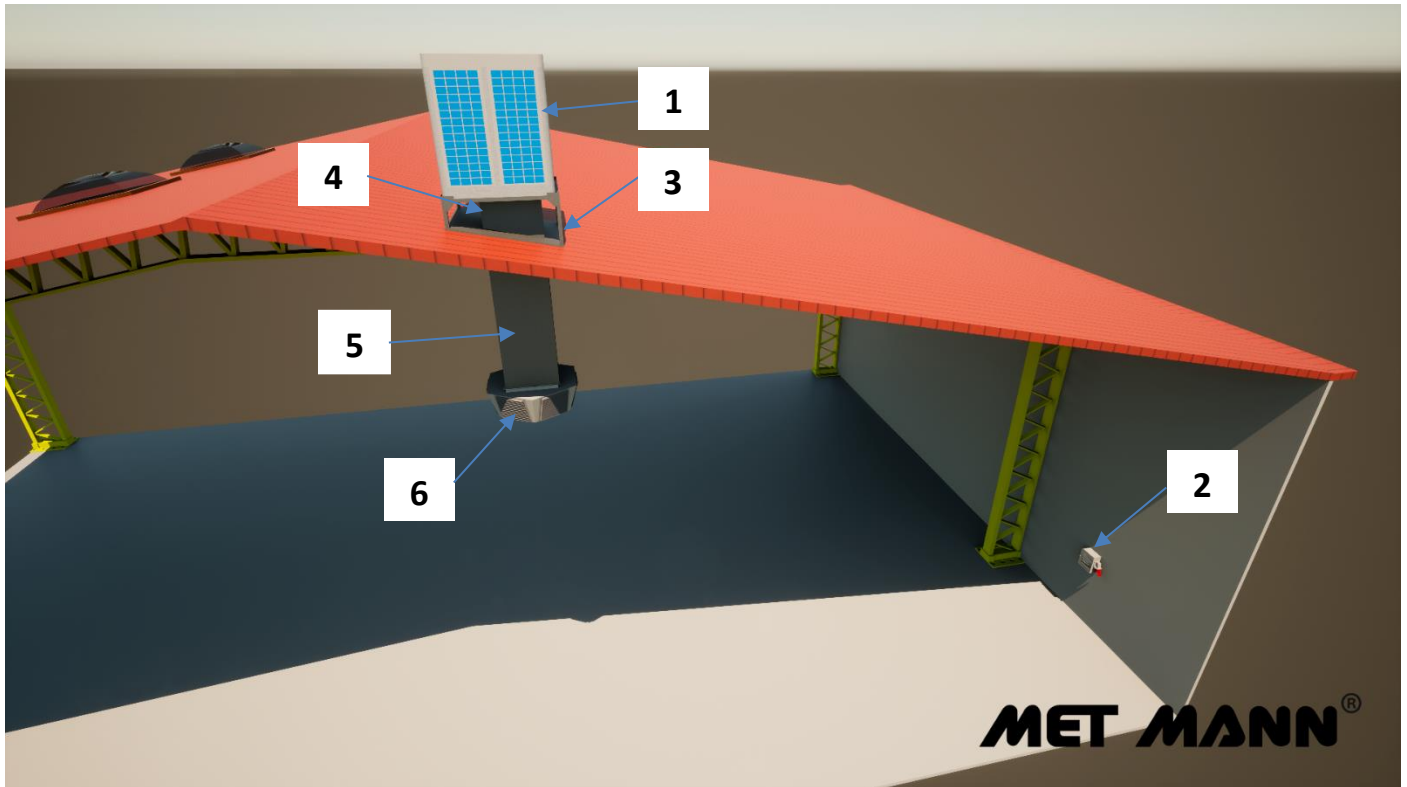
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Installation on roof with diffuser 6 outputs



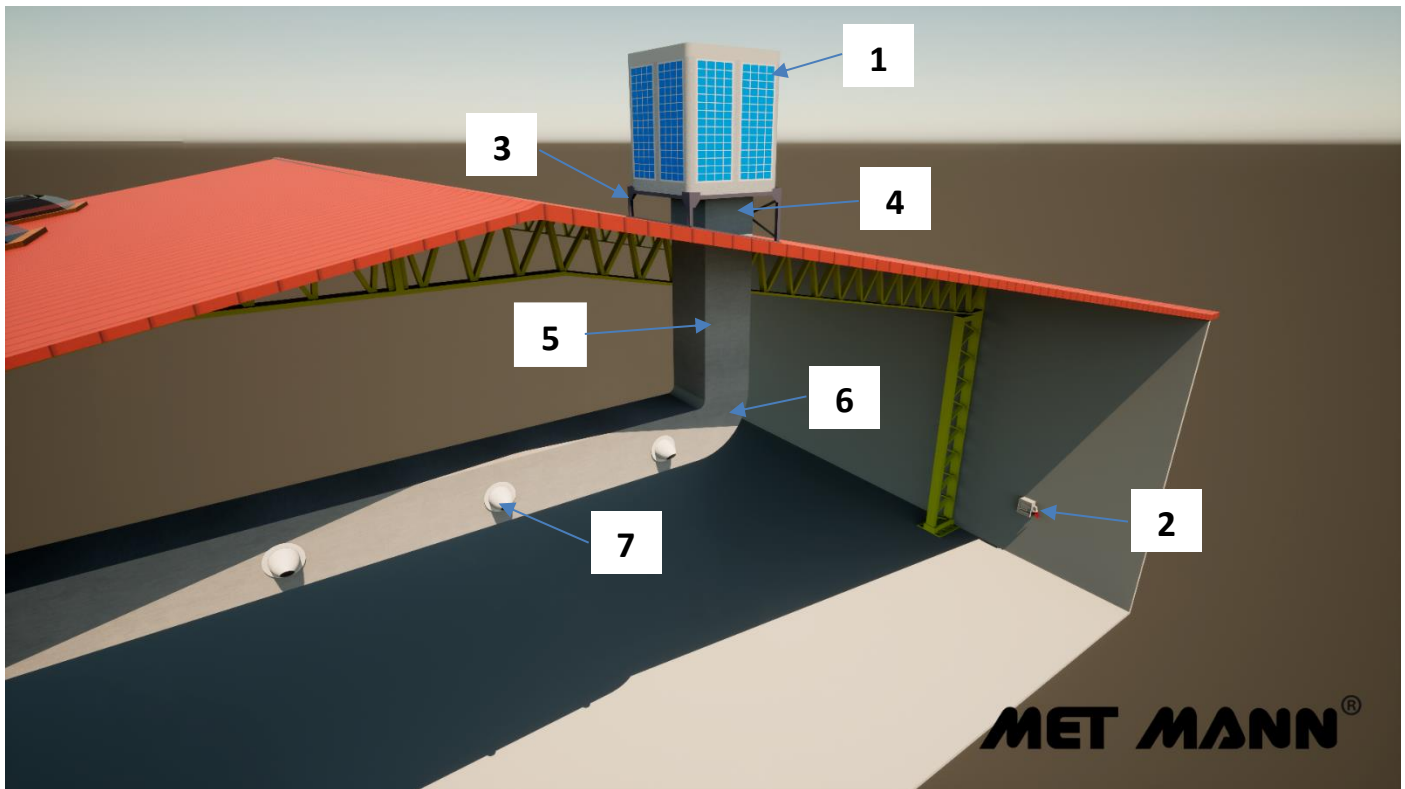
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| 02 | Electric panel 1 speed / frequency inverter | 1 | 0415CMS055400 | 0415CF055400 |
| 03 | Base stand support KBT-40 | 1 | 03091501040 | |
| 04 | Flexible joint JE-850 (850x850) | 1 | 1805AV8585 | |
| 05 | Straight section TR-850 (850x850x1000) | 1 | 1805TR850 | |
| 06 | 6-way air diffuser DCH-6-40 | 1 | 0323150140601 | |
| - | Pre filter PG4-40 | 8 | 04150140G412 | 04150140G412I |
| - | UV WATER treatment | 1 | 031501101010M | |
| - | Protective case FU-40-V | 1 | 03021502035 | |

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Evaporative cooler with bottom air outlet



Installation on roof with impulsion nozzles



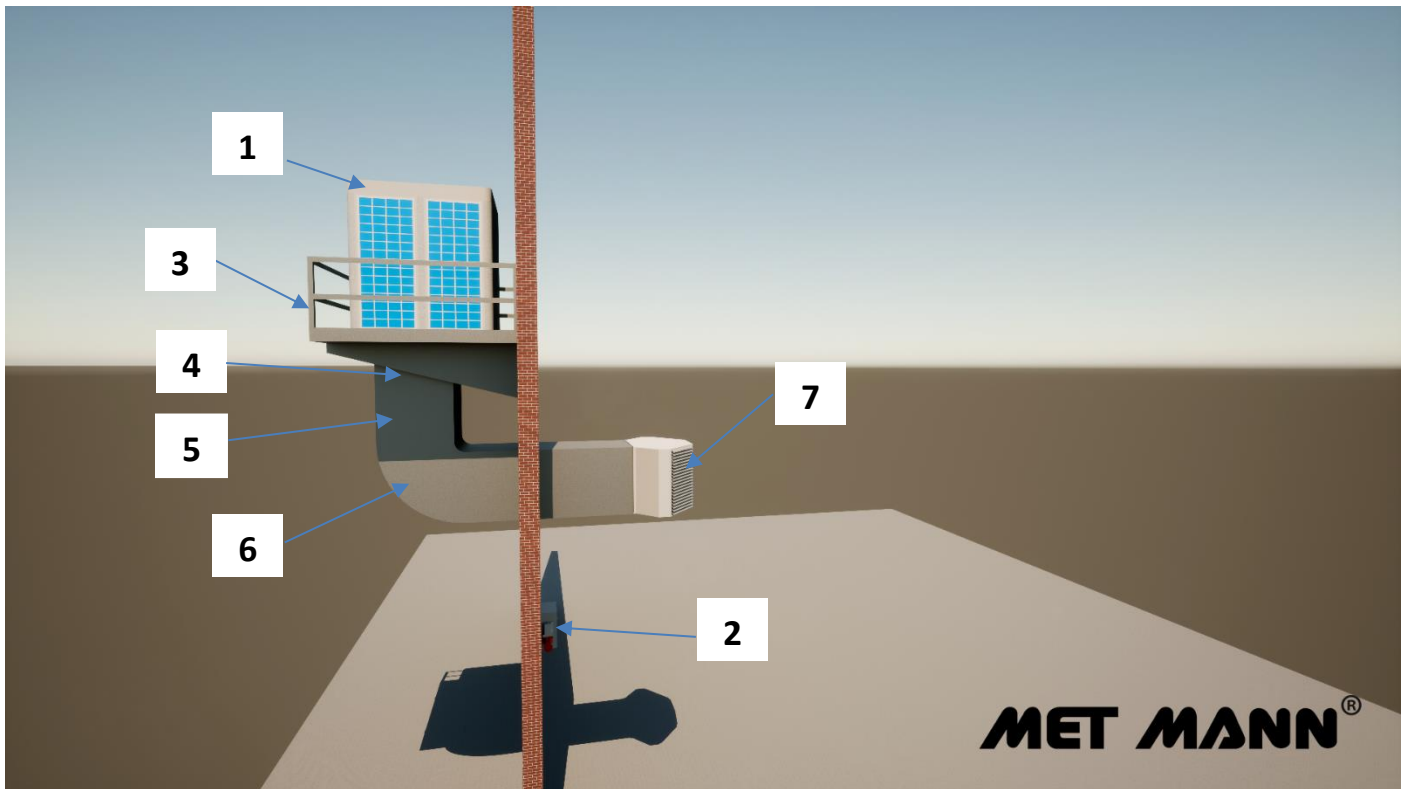
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| 02 | Electric panel 1 speed / frequency inverter | 1 | 0415CMS055400 | 0415CF055400 |
| 03 | Base stand support KBT-40 | 1 | 03091501040 | |
| 04 | Flexible joint JE-850 (850x850) | 1 | 1805AV8585 | |
| 05 | Straight section TR-850 (850x850x1000) | 1 | 1805TR850 | |
| 06 | Curved section 90° TC-850 (850x850) | 1 | 1805TC850 | |
| 07 | High induction nozzles CI-300 | 1 | 04150PAKCONO | |
| - | Pre filter PG4-40 | 8 | 04150140G412 | 04150140G412I |
| - | UV WATER treatment | 1 | 031501101010M | |
| - | Protective case FU-40-V | 1 | 03021502035 | |

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Evaporative cooler with bottom air outlet



Wall installation with diffuser 3 outputs



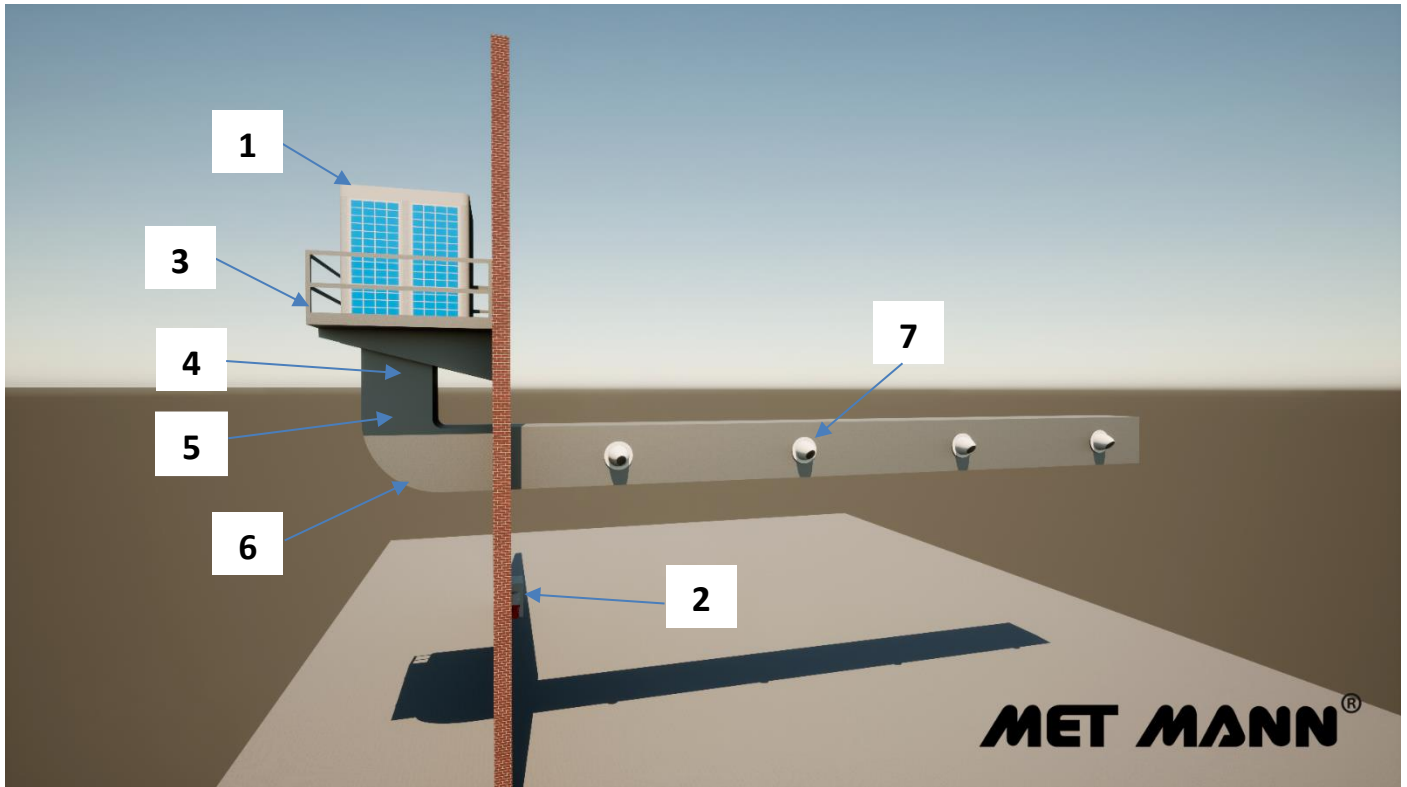
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| 01 | Evaporative cooler AD-40-V-100-055 | 1 | 15014051055S | 15014051055I |
| 02 | Electric panel 1 speed / frequency inverter | 1 | 0415CMS055400 | 0415CF055400 |
| 03 | Base stand support KBM-40 | 1 | 03091501027 | |
| 04 | Flexible joint JE-850 (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 PG4-40 | 8 | 04150140G412 | 04150140G412I |
| - | UV WATER treatment | 1 | 031501101010M | |
| - | Protective case FU-40-V | 1 | 03021502035 | |

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Wall installation with impulsion nozzles



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| 01 | Evaporative cooler AD-40-V-100-055 | 1 | 15014051055S | 15014051055I |
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| 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 PG4-40 | 8 | 04150140G412 | 04150140G412I |
| - | UV WATER treatment | 1 | 031501101010M | |
| - | Protective case FU-40-V | 1 | 03021502035 | |