



# AD-70-V-100-185

Evaporative cooler with bottom air outlet





	DESCRIPTION	UNITS	DATA
AIR FLOW	Air flow	m <sup>3</sup> /h	60.644
	Available static pressure	Pa	100
ENGINE	Rated power	kW	18,50
	Nominal consumption	A	33,50 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	377 (PM-118 PV-450)
	Drive belts	Units	4 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	1790x600x100
	Quantity	Units	12
	Total panel surface	m <sup>2</sup>	12,88
	Panel air speed	m/s	1,30 (*)
	Panel efficiency	%	89
	Temperature impulsion (40°C – 30% HR)	°C	26,7 °C
	Pre filter G4	-	Optional
SOUND LEVEL	Sound level	dB (A) 3m	75
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	2189x2189x2197mm
	Mouthpiece connexion dimensions	Width/length	935x890mm
	Empty weight / operating	Kg	794 / 989
CERTIFICATES			CE

(\*) includes droplet separator

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### Get In Touch

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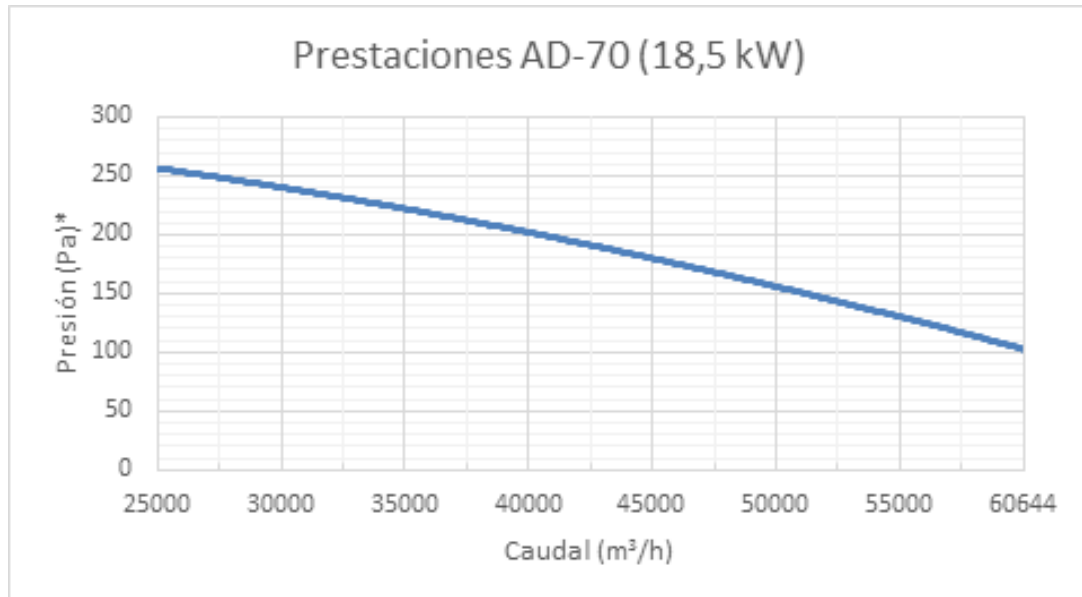
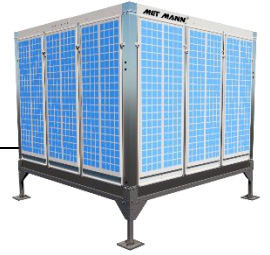
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## Standard design details


- 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
- Droplet separator to prevent dragging into the duct
- 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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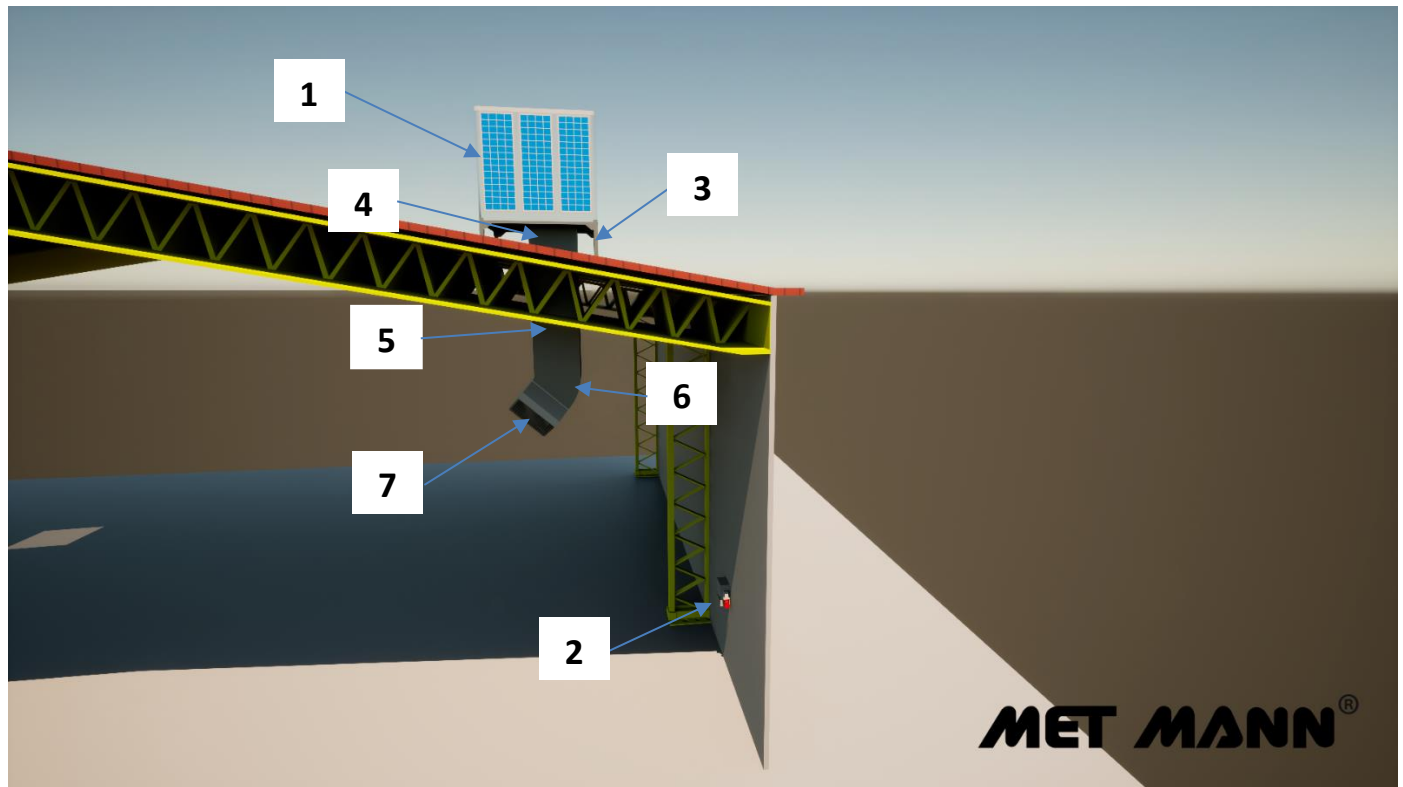
Technical data sheet

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## Installation on roof with diffuser 3 outputs



**MET MANN**<sup>®</sup>

POSITION	DESCRIPTION	UNITS	STANDARD	INOX
01	Evaporative cooler AD-70-V-100-185	1	15017021185S	15017021185I
02	Electric panel 1 speed / frequency inverter	1	0415CET185400	0415CF185400
03	Base stand support	1	NOT AVAILABLE	
04	Junta flexible JE-55 (935x890)	1	1805AV9389	
05	Straight section TR-55 (935x890x1000)	1	1805TR55	
06	Curved section TC-55 45°o 90° (935x890)	1	-	
07	3-way air diffuser DCH-3-55	1	0323150155301	
-	Pre filter PG4-70	12	04150170G412	04150170G412I
-	UV WATER treatment	1	031501102020M	
-	Protective case FU-70-V	1	03021502055	

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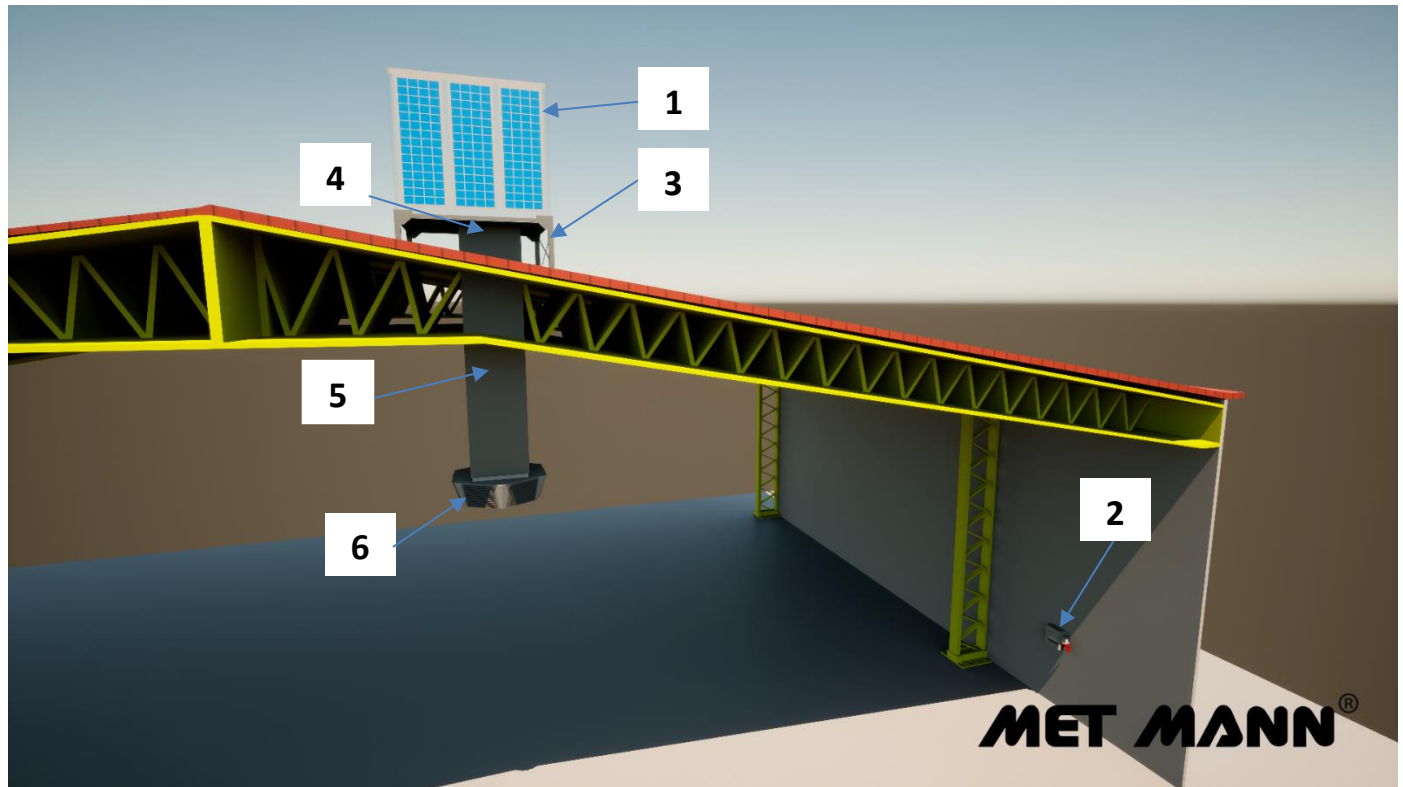
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# AD-70-V-100-185

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## Installation on roof with diffuser 6 outputs



POSITION	DESCRIPTION	UNITS	STANDARD	INOX
01	Evaporative cooler AD-70-V-100-185	1	15017021185S	15017021185I
02	Electric panel 1 speed / frequency inverter	1	0415CET185400	0415CF185400
03	Base stand support	1	NO DISPONIBLE	
04	Junta flexible JE-55 (935x890)	1	1805AV9389	
05	Straight section TR-55 (935x890x1000)	1	1805TR55	
06	6-way air diffuser DCH-6-55	1	0323150155601	
-	Pre filter PG4-70	12	04150170G412	04150170G412I
-	UV WATER treatment	1	031501102020M	
-	Protective case FU-70-V	1	03021502055	

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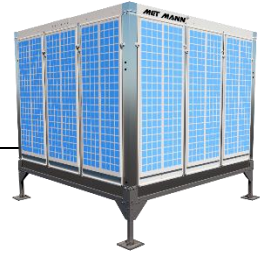
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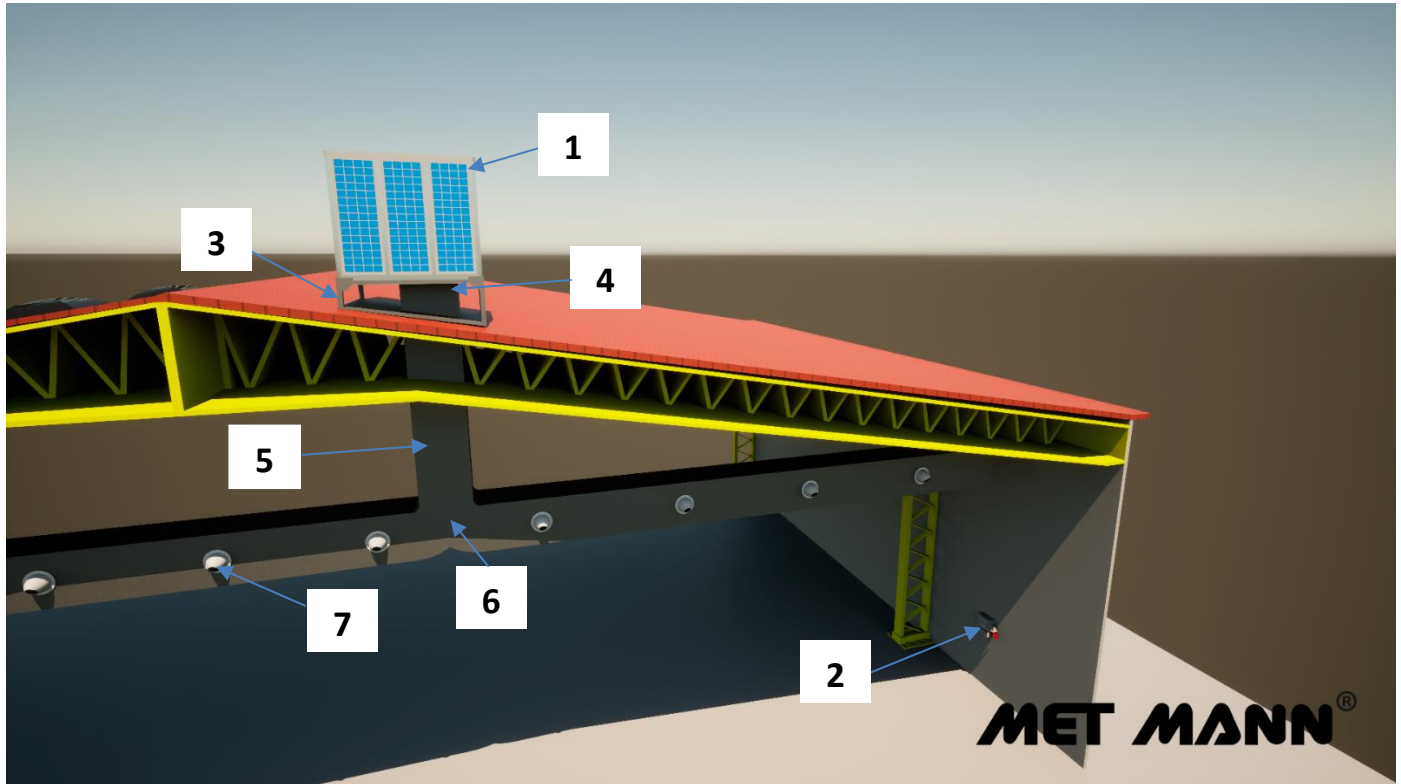
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## Installation on roof with impulsion nozzles



POSITION	DESCRIPTION	UNITS	STANDARD	INOX
01	Evaporative cooler AD-70-V-100-185	1	15017021185S	15017021185I
02	Electric panel 1 speed / frequency inverter	1	0415CET185400	0415CF185400
03	Base stand support	1	NO DISPONIBLE	
04	Junta flexible JE-55 (935x890)	1	1805AV9389	
05	Straight section TR-55 (935x890x1000)	1	1805TR55	
06	Curved or pants section	1	-	
07	High induction nozzles CI-300	1	04150PAKCONO	
-	Pre filter PG4-70	12	04150170G412	04150170G412I
-	UV WATER treatment	1	031501102020M	
-	Protective case FU-70-V	1	03021502055	

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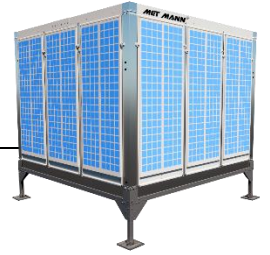
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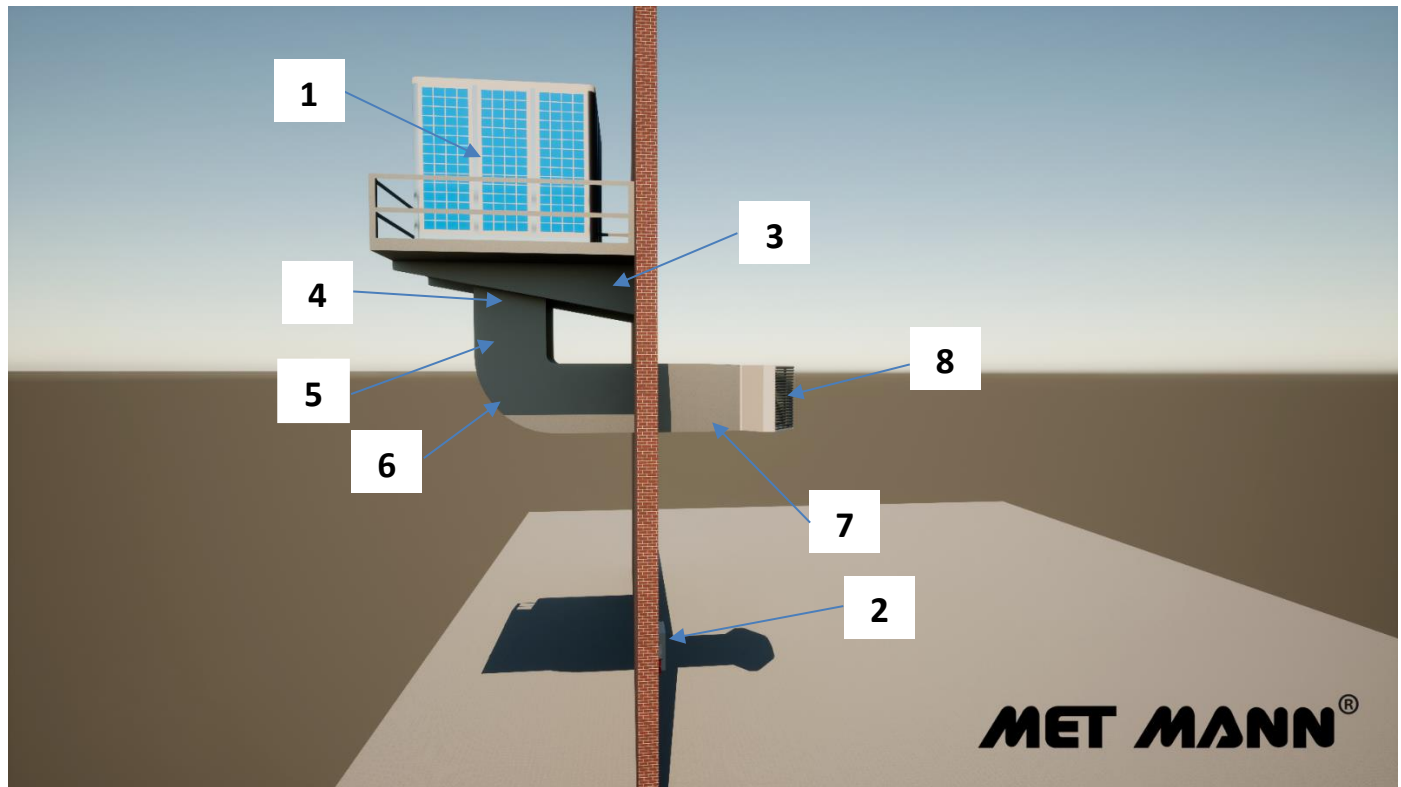
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Evaporative cooler with bottom air outlet



## Wall installation with diffuser 3 outputs



POSITION	DESCRIPTION	UNITS	STANDARD	INOX
01	Evaporative cooler AD-70-V-100-185	1	15017021185S	15017021185I
02	Electric panel 1 speed / frequency inverter	1	0415CET185400	0415CF185400
03	Base stand support	1	NO DISPONIBLE	
04	Junta flexible JE-55 (935x890)	1	1805AV9389	
05	Straight section TR-55 (935x890x1000)	1	1805TR55	
06	Curved section 90° TC-55 (935x890)	1	-	
07	Coupling (937x890/900x900)	1	180590907976	
08	3-way air diffuser DCH-3-55	1	0323150155301	
-	Pre filter PG4-70	12	04150170G412	04150170G412I
-	UV WATER treatment	1	031501102020M	
-	Protective case FU-70-V	1	03021502055	

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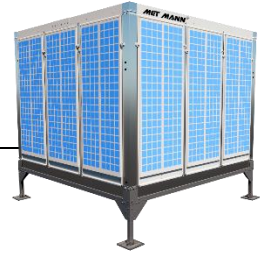
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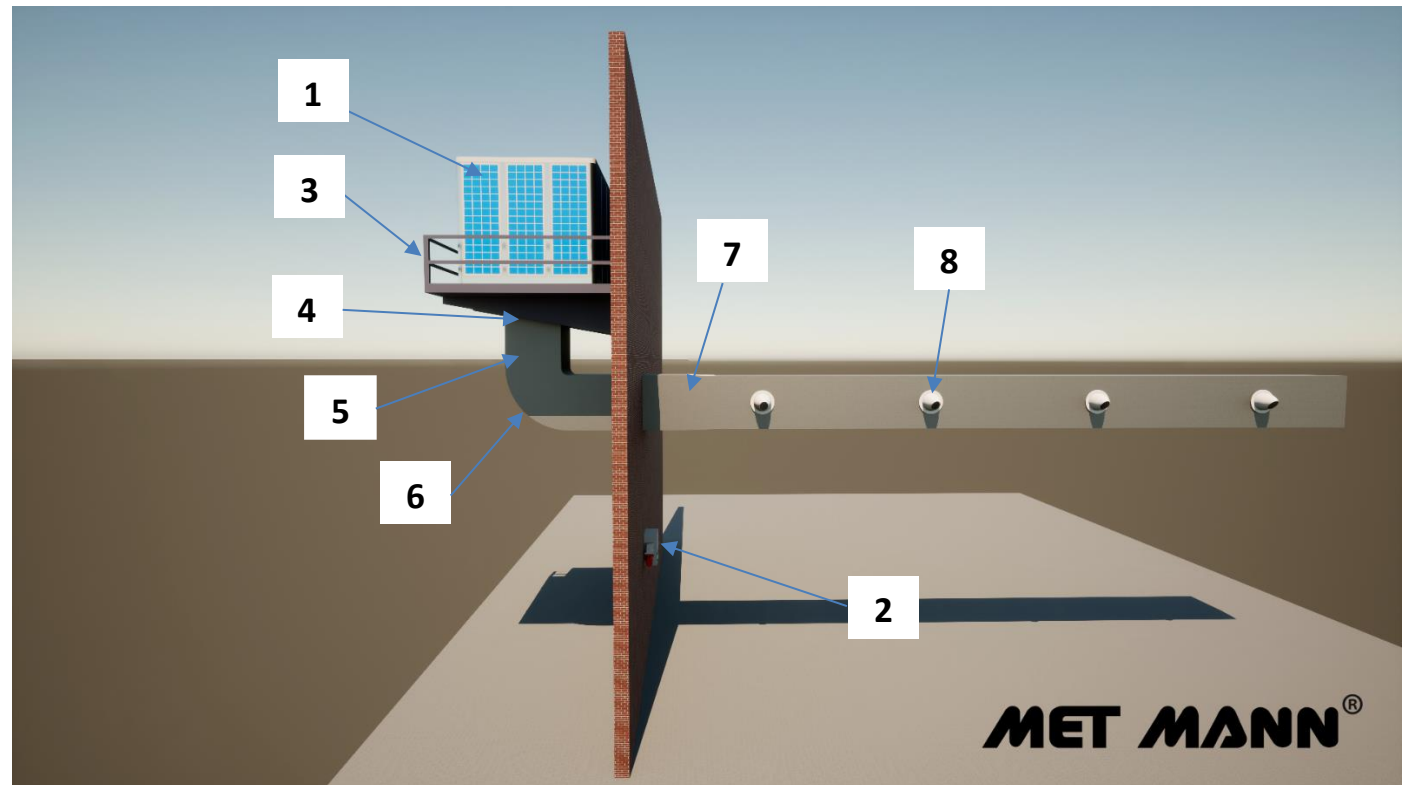
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## Wall installation with impulsion nozzles



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01	Evaporative cooler AD-70-V-100-185	1	15017021185S	15017021185I
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03	Base stand support	1	NO DISPONIBLE	
04	Junta flexible JE-55 (935x890)	1	1805AV9389	
05	Straight section TR-55 (935x890x1000)	1	1805TR55	
06	Curved section 90° TC-55 (935x890)	1	-	
07	Coupling (937x890/900x900)	1	180590907976	
08	High induction nozzles CI-300	1	04150PAKCONO	
-	Pre filter PG4-70	12	04150170G412	04150170G412I
-	UV WATER treatment	1	031501102020M	
-	Protective case FU-70-V	1	03021502055	

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