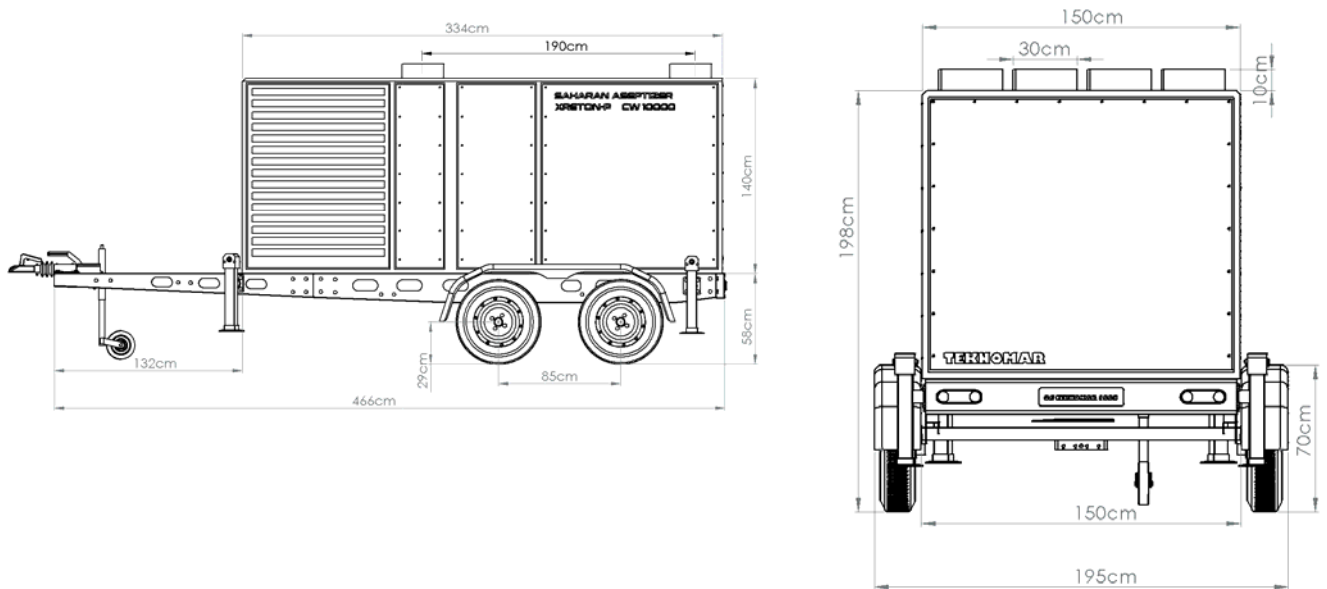# Saharan Aseptizer-XRETON-P CW 5000 / 10000

Saharan Type Mobile Air Conditioning and Air Sterilization Device

Technical Specifications / Datasheet

FIELDS of USAGE
Used Safely in All Kinds of Mobile and/or Fixed Field Type Hospitals (Like Tent Type Field Hospitals, Mobile Trailer Type Field Hospitals, Container Type Field Hospitals, Hospitals for Disaster Area, Shed Type Hospitals etc.) and in All Units of These Hospitals Where High Hygiene and Air-Conditioning Are Needed, Such as Isolation Room, Decontamination Room-Area, Burn Treatment Room, Emergency Unit, Operating Room Unit, Triage Unit, Laboratory Unit, Radiology Unit, Intensive Care Unit, Service Unit, Mobile Dialysis Unit, Blood Bank Unit etc.

MODEL	CW 5000	CW 10000
TYPE	Saharan Type Compact Mobile High-Level Industrial Hygienic Particle Reduction and Air Conditioning Device	
CLASS	MODULE A Class I	

TECHNICAL SPECIFICATIONS		
Exterior Dimensions (W-D-H) (cm)	334 x 150 x 140	
Mobilized Compact Dimensions (W-D-H) (cm)	466 x 195 x 208	
Device Weight (kg)	1300	1520
Operating Mode	NEGATIVE / POSITIVE	
Heating and Cooling Capacity (Btu)	62000 / 56000	124000 / 112000
External Heating Capacity (kW)	3,3	3,3
Air Conditioning Power Consumption(W) Cooling / Heating	5730/6590	11460/13180
Filtration Power Consumption (W)	1100	2200
Blowing Inlet Size Ø mm / Piece	295 / 4	295 / 4
Suction Inlet Size Ø mm / Piece	295 / 4	295 / 4
Fresh Air Introduction Capacity (m^3/h)	0 - 5000	0 - 10000
Internal Air Capacity	0 – 5000	0 - 10000
Total Air Change Capacity (m^3/h)	15 Cycle h 3 - 4 m X 140-150 m^2 Area	15 Cycle h 3 - 4 m X 280-300 m^2 Area
Efficacy Area at Class 10.000	h 3 - 4 m X 140-150 m^2 Area	h 3 - 4 m X 280-300 m^2 Area
Efficacy Area at Class 100.000	h 3 - 4 m X 180-190 m^2 Area	h 3 - 4 m X 330-350 m^2 Area
Programs	3 Positive, 1 Negative, 1 Auto Total 5 Programs	
Particular Decontamination	95% - 96% Particulate Decontamination for Particles as Large as 0.3 - 0.5 µm Within the First 1 Hour	
Bio Decontamination	96% ≤ Bio-Decontamination Within the First 1 Hour	
Bio Decontamination Efficacy	Unfilterable Resistant Long Ethylene Agents, All Kinds of Microorganisms, Viruses, Influenza, RSV Pathogens, Mold, Fungus, Covid, etc.	
HEPA Retention Rate	Filtration Efficacy at 0.3 – 0.5 Micrometer Particle Size	
HEPA Performance	99,998%	
H14 HEPA Main Filter Size (mm)	610 x 1220 x 220 / 250 Pa	
F7 Rigid Filter Size (mm)	490 x 592 x 149 / 170 Pa	
Carbon Fiber Pre-Filter Size (mm)	Carbon / Fiber / 50 Pa	
Ambient Air - Conditioning	16-30 ^{o}C	

Device Chassis	Electrostatic Powder Coated Steel
Sound Volume (1 m)	55 dB
Air Blowing Method	With Flexible Pipe
Air Suction Method	With Flexible Pipe
Electrical Information	380-400 V AC 50-60 Hz
Protection Class	IP20 / EN 60601-1-2:2015
Screen	4.3" LCD Touch Screen
Control System	The Unit Controls Continuously the Environment Temperature, Pressure, Air Humidity, Filtration Clogging and Air Speed With 1% Precision.
Software	PLC / HMI
Menu Language	TR / EN
Alarm Warning	Error Conditions, With Alarm Codes Audible and Visual Warning
Password Protection	User and Technical Service Password
Air Speed Sensor	1% m/s Sensitivity, 4-20 mA
Margin Pressure Sensor	40-450 Pa
Heat & Humidity Sensor	1% ^{0}C, 1% Rh Sensitivity, 4-20 mA Rod Type
Air Conditioning Internal Unit	High-Performance A1 Class Inverter Heating Cooling Unit
Energy Label Cooling/ Heating	A++ / A+++ 60% ≤ Energy-saving
Air Conditioning External Unit	Air Conditioning External Unit Operating Temperature -10 +44 ^{0}C
Moistening	External Ultrasonic Nebulizer (Optional)
Fresh Air Suction Filter	EU7 Filter
Ambient Air Suction Filter	G4 Carbon Filter
UVION Module	Atmospheric Plasma / Negative Ion Generator
Ion Generator	TiO_2, AgI, CuS Coated Cylindrical Borosilicate Glass Tube Ion Generator
Atmospheric Plasma	HV (5000 V Plasma) Supply
UV Lamp	8 Units 15W UVC 254 nm Germicidal Lamp
Speed Compensation System	Automatic Air Speed Flow Adjusted According to Filter Clogging
Sealing	Provides Filter Safety with A Leak-Proof HEPA Plenum Box Suitable With DOP Test.
Plenum Box Filter Resistance	425 Pa

DOCUMENTS	
ISO 9001	Yes
ISO 13485	Yes
EC Certificate	Yes

Domestic Goods Certificate	Yes
Certificate of Free Sale (CFS)	Yes
Usability Test Approval	Yes
TSE (Turkish Standards Institution) Service Certificate	TS 12850 and TS 12426 Service Adequacy Certificate

OTHER AND OPTIONAL SPECIFICATIONS	
Installation and Cable	All Installation and Cables Used in The Device Are Halogen Free. (Non- Inflammable).
Capacity	Air, Heating Capacity Can Be Increased by 40%.
Heating Group	Heater and Dehumidifier Thermostat Stepped Resistance Group Can Be Increased Up to 10 Kilowatts.
FANS (Internal and External)	Static/Dynamic, Stainless, Frequency Controlled and Mode Calibrated Radial, EC, Plug, etc. FANS (650 Pa) Can Be Connected Coupled.
Sealing	Leak-Proof Gasket and Lock on The Device Covers.
Isolation	Acoustic And Heat Insulation 20-25 Mm Fireproof Polyurethane Material (Plate and Pyramid). (20-45 kg / m^3)
Communication	RS 232, I /O
Optional Communication	Ethernet, Wi-Fi, Rf-ID
Electric	According To the Countries, 220/240 V 50-60 Hz, 110 / 120 V 50-60 Hz, Three Phase 380 / 400 / 440 V 50-60 Hz (Against +-10% Fluctuations)
Sensors	Air Flow Speed, Pressure Sensor, Temperature Control, Humidity Sensor, Thermostat, Frequency Control, Phase Control, Static Occupancy, Defrost Sensors.

MAINTENANCE PERIOD AND KIT			
	MAINTENANCE PERIOD	**CW 5000**	**CW 10000**
H14 – HEPA Pre - Filter	1 Time In 6 Months	1 Piece	2 Piece
F7 Rigid Filter	2 Times In 6 Months	2 Piece	4 Piece
Carbon Fiber Pre-Filter	2 Times In 6 Months	1 Set	2 Set
UV Lamp	1 Time In 6 Months	8 Units	8 Units
UVION Pathogen Ionizer Unit	2 Times In 1 Year	2 Set	2 Set
Software Validation	1 Time In 1 Year	Once	Once

This maintenance period and maintenance kit are provided for normal operating conditions. It may change according to adverse working conditions.

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