BRY-AIR (ASIA) PVT. LTD.
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ATMOSPHERIC WATER GENERATOR
BRY-AIR MOISTURE PUMP – BMP COMPACT SERIES

BAE WITH HIGH PERFORMANCE, ECODRY METAL SILICATE FLUTED DESICCANT SYNTHESISED ROTOR

KEY FEATURE HIGHLIGHTS

Efficiency and Reliability

* Generates potable water directly from ambient air
* Advanced desiccant rotor technology for high moisture adsorption efficiency
* Operates effectively across a wide range of temperature and humidity conditions
* Continuous and automatic water production
* Industrial-grade construction for long service life
* Heat pump assisted regeneration and cooling
* Low maintenance requirements
* PLC-based intelligent control system
* Special coating provided on coils for longer life in corrosive area applications
* Scalable and modular design for varying water demands
* Reliable operation for continuous water generation
* High-performance desiccant media with excellent moisture adsorption capacity
* Non-flammable rotor construction with minimal organic content



Water Quality and Treatment

* Multi-stage water purification system
* Sediment and activated carbon filtration
* UV sterilization for microbial control
* Mineralization system for enhanced drinking water quality

Easy to operate

* Power ON, and Fault status indications
* User-friendly operator interface for monitoring and control
* Independent control of process and regeneration air systems
* Automatic water storage and level management

Easy to install

* Plug-and-play modular design
* Moveable wheel and skid-mounted options available
* Compact footprint

Easy to maintain

* Accessible service components
* Washable filters and rotor
* Reduced maintenance frequency

BMP COMPACT SERIES SPECIFICATIONS

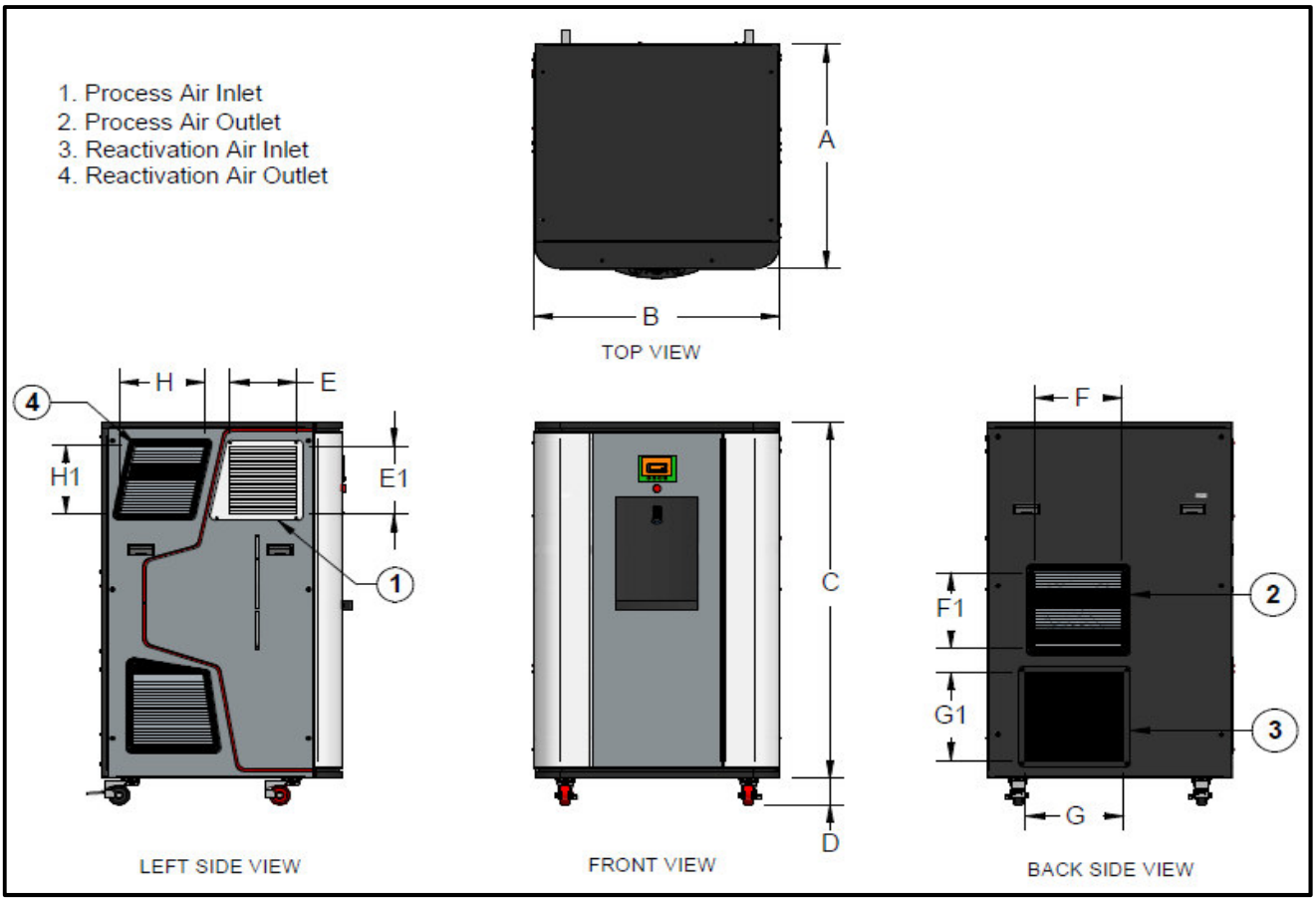
MODEL	*Water Generation	Compressor Capacity	Compressor Connected Power	Parasitic Connected Power	Total Connected Power	FLA	**POWER REQD.	APPROX. WEIGHT	
	Ltr/day	TON	kW	kW	kW		(V/Ø/Hz.)	(Kg.)	(lbs)
BMP-55 LPD	55	1.2	2.36	0.48	2.84	12.5	230 /1/ 50	350	771
BMP-200 LPD	200	3.5	4.50	2.78	7.28	14.0	415 /3/ 50	850	1873

* Note:- 1) Water generation under standard ambient conditions at 27°C/45% RH

2) Other voltage available are 200/220/240/380/415/440/460 AC, 1Ph/3Ph, 50/60 Hz

3) Operating Power shall be less then the connected as low as 50% depending on ambient conditions.

DIMENSIONAL DATA & DUCT CONNECTION (mm)



MODEL	UNIT DIMENSION DATA (mm)				PROCESS				REACTIVATION			
					INLET		OUTLET		INLET		OUTLET	
					LENGTH	HEIGHT	LENGTH	HEIGHT	LENGTH	HEIGHT	LENGTH	HEIGHT
	A	B	C	D	E	E1	F	F1	G	G1	H	H1
BMP 55 LPD	880	895	1390	105	245	270	315	325	295	285	270	310
BMP 200 LPD	1500	1260	1950	95	745	395	460	410	595	595	350	350

Note : (1) All dimensions in mm.

(2) For reference purpose only

Design Condition: 27°C Dry Bulb Temperature 45% Relative Humidity

