

DUAL PATH SpaceCool

Bio-Climatic Air Conditioning

Cooling, Heating & Ventilation

SpaceCool is a Dual Path Heat Pump. It uses regenerative cooling to remove sensible heat and Inverter compressors using a low GWP refrigerant to remove latent heat. Integral SelfAware controller selects the mode of operation based on Bio-Climatic psychrometric data of the location. During the wet season, the space relative humidity is controlled by ADP and; during Heating, Free cooling, and Ventilation mode with EvapFin. The modular enclosure is made for a long service life.

Cooling					
TR	kW				
	5				17.5
Electricals					
Parameter	Compressors	Fans	Pump	SV	Controls
Watts	3000	1500	20	2	10
Voltage	230	230	230	24	24
Water					
Inlet size	19.5 mm		Consumption	15-30 LPH	

Energy Performance Indicators

Summer **1500 W**

Pre-Monsoon **3600 W**

Monsoon **4700 W**

Post-Monsoon **3600 W**

Winter **2900 W**

> 50% Annual Opex Savings

*Watts consumed vs 7800 W Summer AC consumption @ 35 Deg C

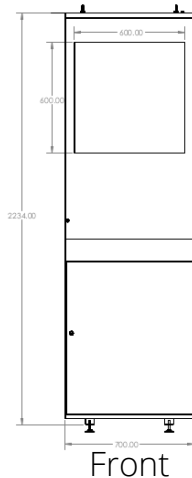
Mechanical					
Dimensions		Filters		Weights	
Heat pump	mm	mm	MERV	Unit	Kgs
Depth	900	50	8	Machine	200
Width	700	610		Shipping	240
Height	2250	610		Operating	230



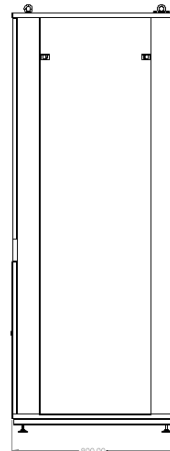
Refrigerant WATER



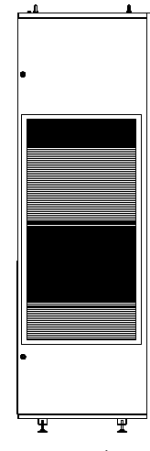
ECO FRIENDLY



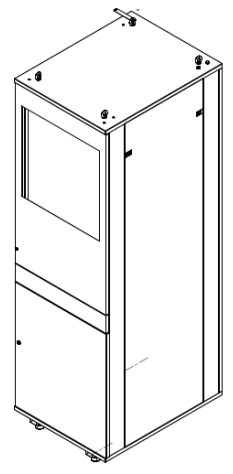
Front



Side



Back



Isometric

TORO^o

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**SUSTAINABLE
HIGH EFFICIENCY**

Air Conditioning | Fresh Air Cooling | Comfort Ventilation | Water From Air



SpaceCool - Bio-Climatic Energy Use

Energy use in 1 TR Equivalent AC.

