

DG-12 50Hz Standard



Water Extraction
48 L/H



Air Circulation
~23,000 M³/H



Patent
Protected

DryGair's flagship unit. Condenses up to 48 liters of water per hour, using less than 1 kWh per ~4 liters. It is the perfect balance of efficient, large-scale dehumidification with plug & play ease of use.



Air Circulation



Climate Control Integration



Simple Integration



Automation



Designed for Horticulture

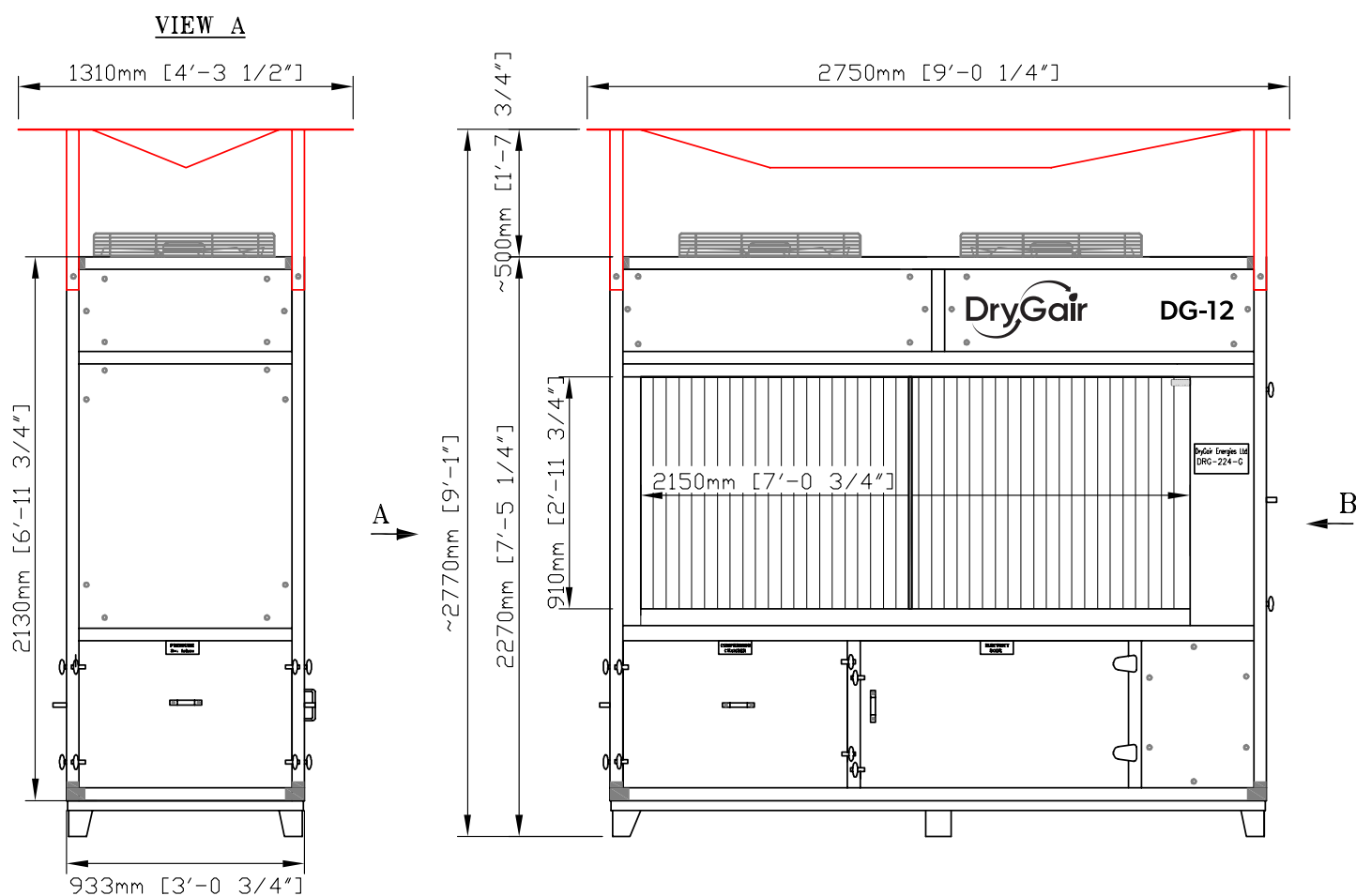


High Efficiency (Liter/kW)

TECHNICAL DETAILS

Width	2,570 mm
Depth	933 mm
Height exact height can be adjusted	2,270 mm (2,770 mm with air distribution module)
Weight	~920 kg
Operating Temperature	10°C - 40°C
Water Condensation @ 18°C / 80% RH	48 L/h
Air Flow	~23,000 m ³ /h
Electricity Consumption	12 kW
Electricity Requirements	3-phase, 400V, 50 Hz I (design) = 23 amp, I (oper. max) = 32 amp, I (nominal) = 44 amp
Refrigerant	R513A or R134A

DG-12 STANDARD UNITS Technical Sketches



AVAILABLE ADD-ONS

- | | | |
|------------------------|---------------------------------------|-------------------------|
| ✓ Side Canopy | ✓ Resistance to Chemicals and Sulphur | ✓ Protective Wire Net |
| ✓ Air Filter | ✓ Wheels / Castors | ✓ Smart DG |
| ✓ Status Light Signals | ✓ Water Meter | ✓ Heating & Cooling Kit |

DG-12 50Hz Split



Water Extraction
48 L/H



Air Circulation
~23,000 M³/H



Patent
Protected



We understand the growers' need to maximize the utilization of greenhouse spaces using tables and machinery. Our split unit can be positioned according to the greenhouse's specific limitations. The separate parts can be placed one above the other, or side by side, at a maximum distance of 4 meters.



Air Circulation



Climate Control Integration



Flexibility



Automation



Designed for Horticulture

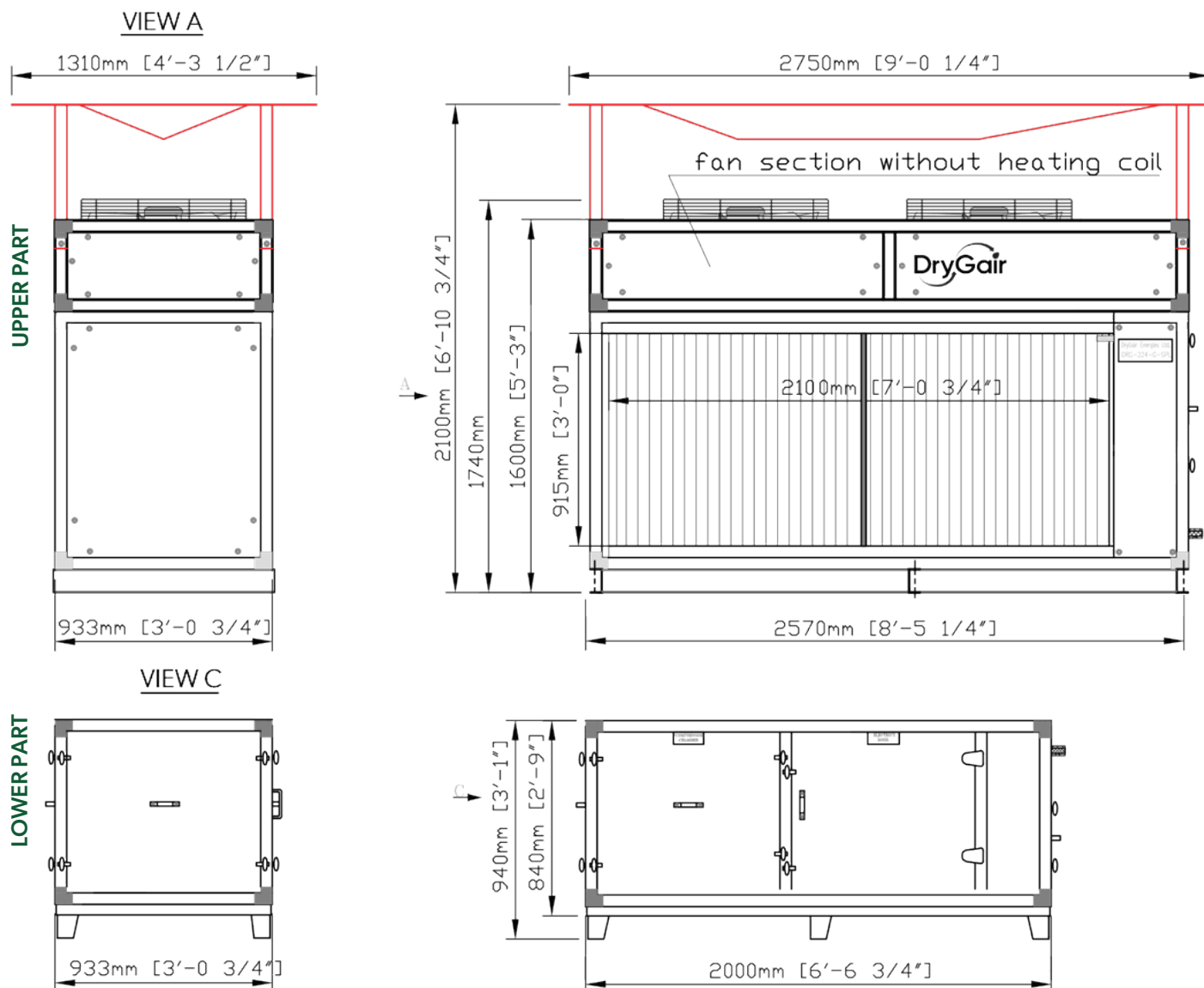


High Efficiency (Liter/kW)

TECHNICAL DETAILS

	Upper Part	Lower Part
Width lower part can be shorter	2,570 mm	2,000 mm
Depth	933 mm	933 mm
Height exact height can be adjusted	1,600 mm (2,100 mm with air distribution module)	940 mm
Weight	~595 kg	~395 kg
Operating Temperature	10°C - 40°C	
Water Condensation @ 18°C / 80% RH	48 L/h	
Air Flow	~23,000 m ³ /h	
Electricity Consumption	12 kW	
Electricity Requirements	3-phase, 400V, 50 Hz I (design) = 23 amp, I (oper. max) = 32 amp, I (nominal) = 44 amp	
Refrigerant	R513A or R134A	
Max Distance Between Unit Parts	4 m	

DG-12 SPLIT UNITS Technical Sketches



AVAILABLE ADD-ONS

- | | | |
|------------------------|---------------------------------------|-------------------------|
| ✓ Side Canopy | ✓ Resistance to Chemicals and Sulphur | ✓ Protective Wire Net |
| ✓ Air Filter | ✓ Wheels / Castors | ✓ Smart DG |
| ✓ Status Light Signals | ✓ Water Meter | ✓ Heating & Cooling Kit |

DG-12 50Hz Heating & Cooling



Water Extraction
48 L/H



Air Circulation
~23,000 M³/H



Patent
Protected

The **DG-12** combined with heating & cooling is an innovative solution for greenhouse heating or night-time cooling, controlling both humidity and temperature in an energy efficient manner. The unit can gradually heat or cool the dried air flowing out of the dehumidifier. The dehumidification combined with heating & cooling offers a solution to uniformly control climate conditions, requiring much less infrastructure, compared to alternatives. Heating and cooling requires an external hot or cold water source. Specifications are calculated by the DryGair team on a case-by-case basis.



Air Circulation



Temperature Control



Simple Integration



Automation



Designed for Horticulture

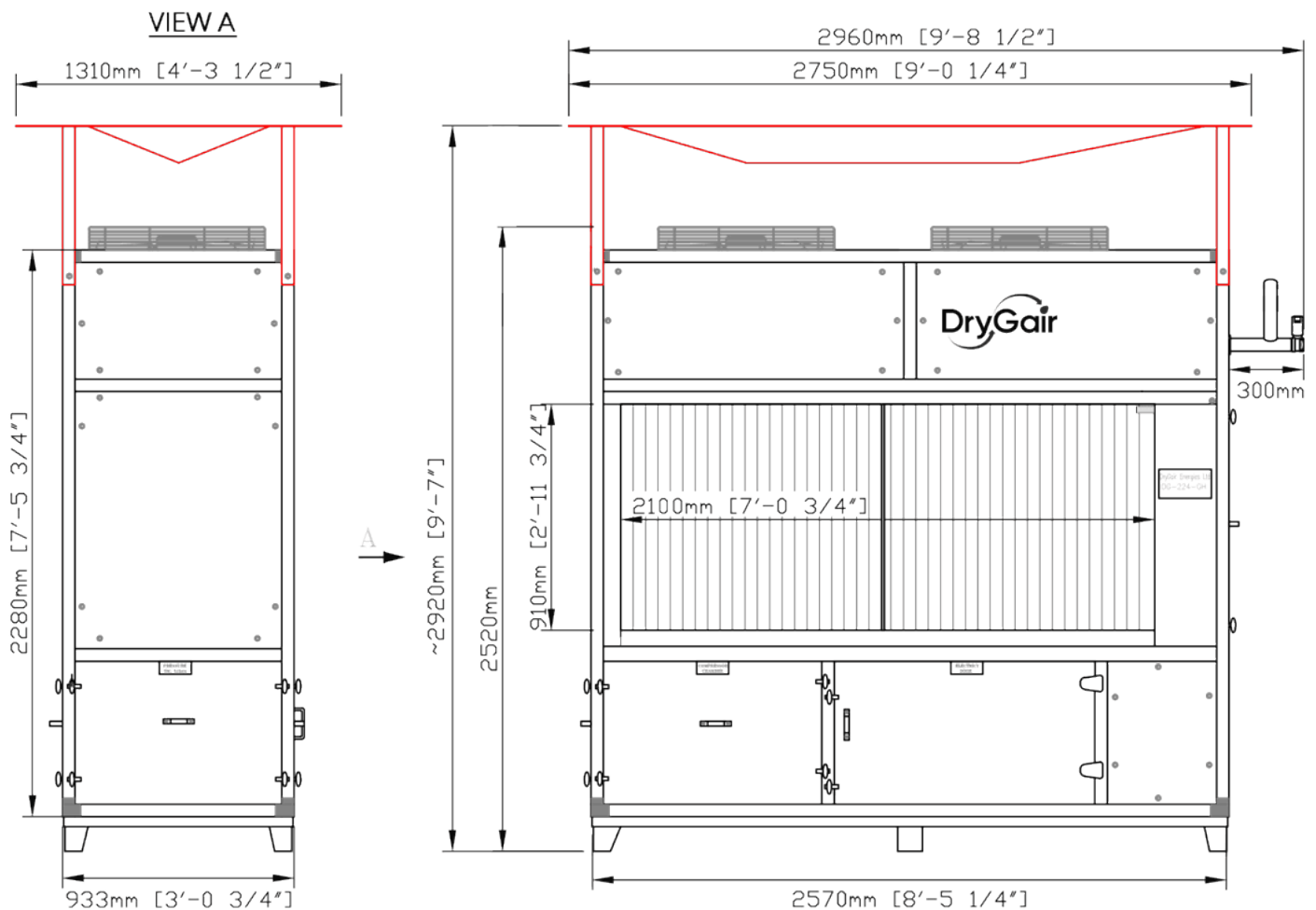


High Efficiency (Liter/kW)

TECHNICAL DETAILS

Width	2,570 mm
Depth	933 mm
Height exact height can be adjusted	2,380 mm (2,880 mm with air distribution module)
Weight	~960 kg
Operating Temperature	10°C - 40°C
Water Condensation @ 18°C / 80% RH	48 L/h
Air Flow	~23,000 m ³ /h
Electricity Consumption	12 kW
Electricity Requirements	3-phase, 400V, 50 Hz I (design) = 23 amp, I (oper. max) = 32 amp, I (nominal) = 44 amp
Refrigerant	R513A or R134A

DG-12 HEATING & COOLING UNITS Technical Sketches



AVAILABLE ADD-ONS



Side Canopy



Air Filter



Status Light Signals



Resistance to Chemicals
and Sulphur



Wheels / Castors



Water Meter



Protective Wire Net



Smart DG

DG-12 50Hz Heating & Cooling Split



Water Extraction
48 L/H



Air Circulation
~23,000 M³/H



Patent
Protected

DG-12 heating & cooling split combines our innovative solution for heating and/or night-time cooling with flexible positioning for optimal space management. The unit can gradually heat or cool the dried air flowing out of the dehumidifier. Heating and cooling requires an external hot or cold water source. Specifications are calculated by the DryGair team on a case-by-case basis. The separate parts can be placed one above the other, or side by side, at a maximum distance of 4 meters.



Air Circulation



Temperature Control



Flexibility



Automation



Designed for Horticulture

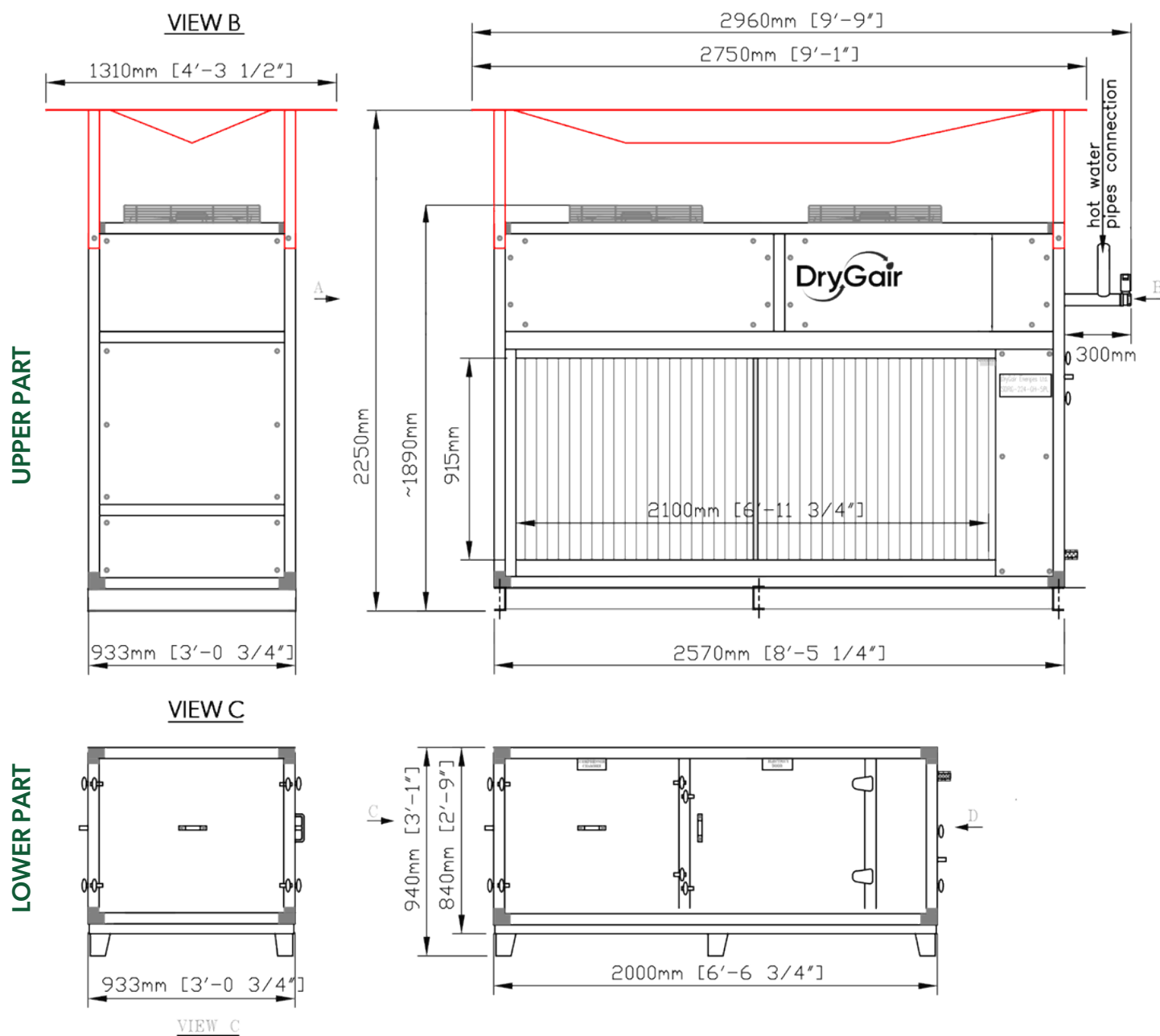


High Efficiency (Liter/kW)

TECHNICAL DETAILS

	Upper Part	Lower Part
Width lower part can be shorter	2,570 mm	2,000 mm
Depth	933 mm	933 mm
Height exact height can be adjusted	1,750 mm (2,250 mm with air distribution module)	940 mm
Weight	~610 kg	~410 kg
Operating Temperature	10°C - 40°C	
Water Condensation @ 18°C / 80% RH	48 L/h	
Air Flow	~23,000 m ³ /h	
Electricity Consumption	12 kW	
Electricity Requirements	3-phase, 400V, 50 Hz I (design) = 23 amp, I (oper. max) = 32 amp, I (nominal) = 44 amp	
Refrigerant	R513A or R134A	
Max Distance Between Unit Parts	4 m	

DG-12 HEATING & COOLING SPLIT UNITS Technical Sketches



AVAILABLE ADD-ONS



Side Canopy



Resistance to Chemicals
and Sulphur



Protective Wire Net



Air Filter



Wheels / Castors



Smart DG



Status Light Signals



Water Meter