

Cabinet Type **Multideck Full Height Roll-in**

Model Designation **RF8**

File Reference 1175

Document Issue	1	21.12.10	GR	Provisional Tech Data
	2	04.01.11	GR	Condensate Volume Added
	3	09.06.11	GL	Adjust water flow rates for 18C & 24C Amend set point.

cabinet **TECHNICAL DATA**

Cabinet Technical Data Sheet – RF8

Product Type	Milk & Juice / 3M1			
Product Temperature	-1 / +5°C			
Maximum Design Ambient	25°C @ 60RH			
Case Length [m]	3.75	2.50		
Refrigeration Data				
Nett Environmental Cooling Effect	3.12	3.08		
Refrigerant Charge Per System R1270	800g	700g		
Electrical Data (@ 230V 50Hz)				
	Watts	Amps	Watts	Amps
Fans (EC EBM)	63	0.27	42	0.18
Controller	10	0.04	10	0.04
Lights	54	0.23	36	0.16
Condensing unit	1934	8.4	1446	6.3
Maximum Load – Off Cycle Defrost	2061	9.0	1534	6.7
Engineering Data - Common				
Total Heat Rejection THR [KW]	9.77	6.64		
Plate Heat Exchanger [Kpa] each	2 @ 0.86 Kpa	2 @ 1.31 Kpa		
Water inlet temperature	18°C			
Water outlet temperature	24°C			
Drain Outlet	32mm Plastic			
Chilled Water Connections	22mm			
Condensate Volume	65ltrs (Per Linear Metre Per 24hrs)			
Engineering Data – Core Stores (No Primary Condenser)				
THR (Water only) [KW]	8.27	5.85		
THR (Air only) [KW]	1.5	0.80		
Glycol Flow Rate [Kg/S]***	0.3582	0.2533		
Water Flow Rate [Kg/S]****	0.3296	0.2330		
Engineering Data – Convenience Stores (With Primary Condenser)				
THR (Water only) [KW]	8.27	5.15		
THR (Air only) [KW]	1.5	1.5		
Glycol Flow Rate [Kg/S]***	0.3582	0.2230		
Water Flow Rate [Kg/S]****	0.3296	0.2051		
Set-Up Data** O/C Defrost				
Cut in Temperature [°C]	2			
Differential [K]	2			
Anti Cycle Time (Seconds)	180			
Lag Comp Delay (Seconds)	180			
Cabinet Temperature Ratio (%)	66			
N° Defrosts (per 24hrs)	8			
Maximum Defrost Time [mins]	45			
Defrost Termination Temp (air off) [°C]	9			
Drain Down Time [mins]	0			
Fans in Defrost	On			
Integral Control	Basic			

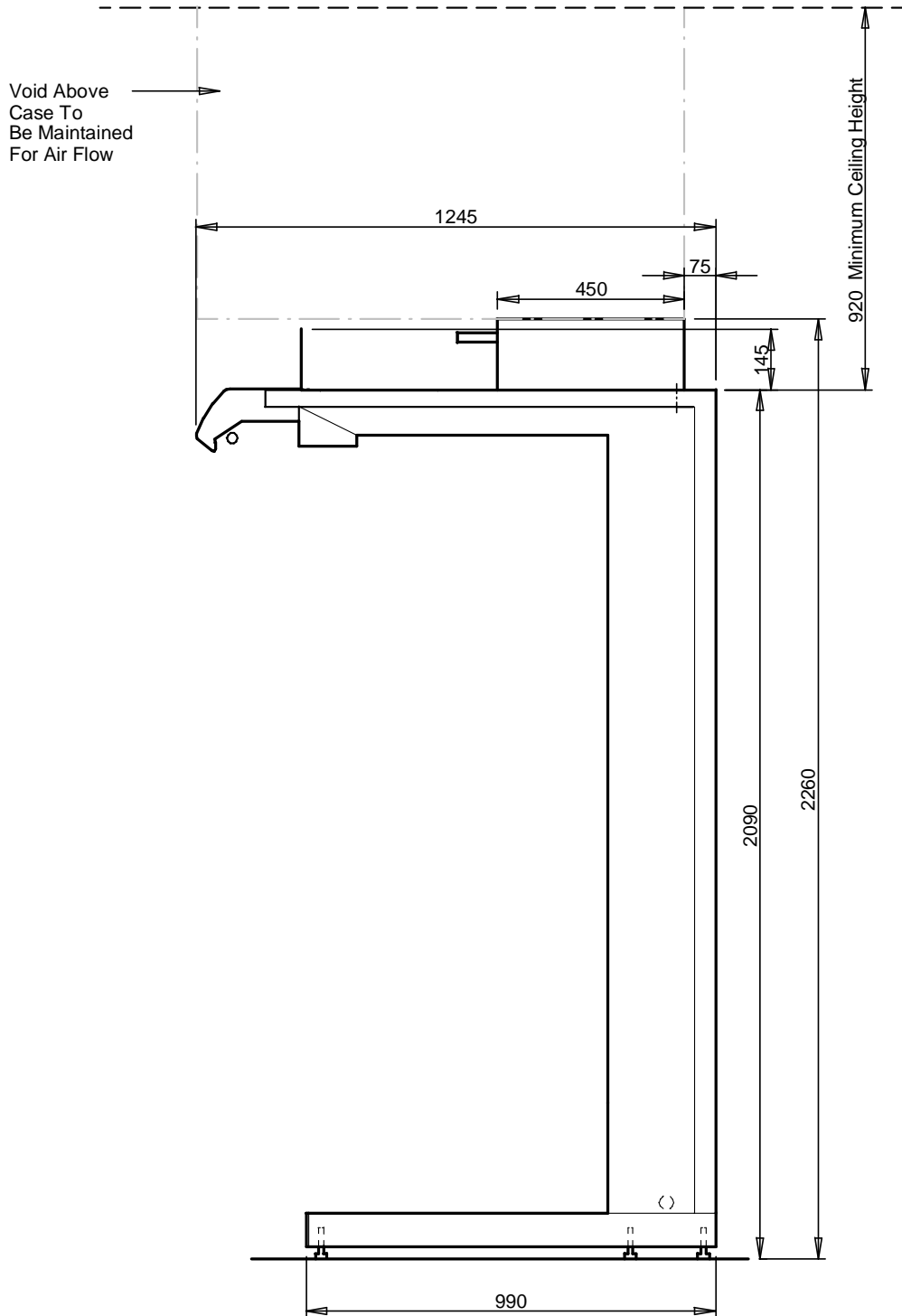
NOTES! * 12/12 Trading Conditions

** Set-up data is for guidance only. Final settings to be determined by commissioning contractor.

*** Flow rate for Glycol based on 30% @ 20°C from ASHRAE = 3.848 KJ/(KG-K)

**** Flow rate for water @ 20°C (http://www.engineeringtoolbox.com/water-thermal-properties-d_162.html)

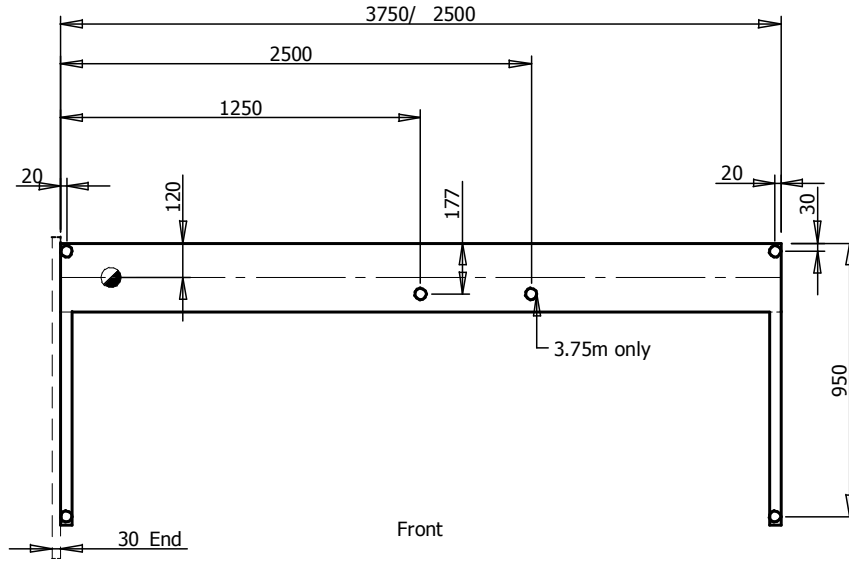
Section Drawing – RF8



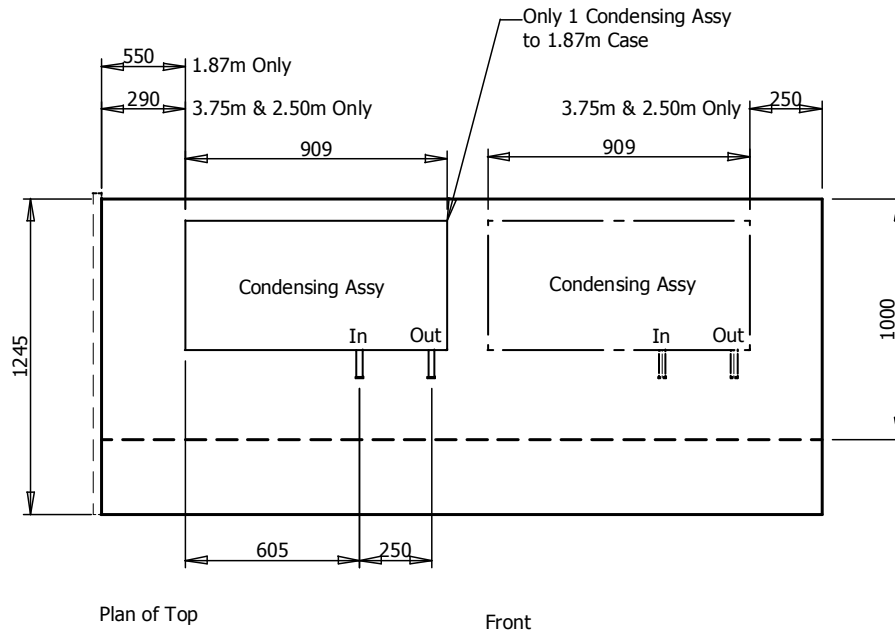
Ref:- DS1111-04

Plan Drawing – RF8

- KEY
- Feet Positions
 - Refrig. Outlets
 - ◐ Drain Outlets
 - ⊗ Electric outlet from case



Plan of Base



Ref:- DP1111-02