

Cabinet Type

Combined Half Glass over Well

Model Designation

GCN

File Reference

1205

Document Issue

1	10-05-12	GR	First Issue
2	18-02-13	GR	Layout Updated To Top Entry Pipework
3	19-02-13	LRC	Updated 1.87m Case data
4	07-03-13	LRC	Updated Cut in Cut out Temperatures

cabinet **TECHNICAL DATA**

Cabinet Technical Data Sheet – GCN

Product Type	Frozen Food
Product Temperature	-18°C / -22°C
Maximum Design Ambient	25°C 60%RH

Case Length [m]	3.75	2.50	1.87
-----------------	------	------	------

Refrigeration Data

Refrigeration Duty (per 24hrs) [kW] ISO3	2.63	1.75	1.31
Evaporating Temperature [°C] – L1	-32	-32	-32
Evaporating Temperature [°C] – L2	-29	-29	-29
R744 AKV Expansion Valve Size	10-3	10-2	10-1
Nett Environment Cooling Effect [kW]			
Evaporator Liquid Capacity @ 90% R744 [kg]	12.27	8.00	5.98
Evaporator Liquid Capacity @ 25% R744 [kg]	3.41	2.22	2.0
Refrigeration Pipe Tail – Liquid	3/8"	3/8"	3/8"
Refrigeration Pipe Tail – Suction	1/2"	1/2"	1/2"

Electrical Data (@ 230V 50Hz)

	Watts	Amps	Watts	Amps	Watts	Amps
Defrost Heaters	4000	17.39	2800	12.17	2000	8.69
Fans	147	0.64	98	0.43	75	0.32
Trim Heaters	1024	4.45	683	2.97	600	2.60
Solenoid Valve / Controller	10	0.04	10	0.04	10	0.04
Lights Phillips LED's Frame and Under Belly	98	0.43	66	0.29	73	0.32
Maximum Load – Electric Defrost	5279	22.9	3657	15.9	2749	11.95

Electrical Data (@400V 3ph 50Hz)

	L1	L2	L3	L1	L2	L3	L1	L2	L3
Maximum Load – Electric Defrost	6	9	9	4	6.5	6.5	3.24	4.4	4.4

Miscellaneous Data

Refrigeration Connections	Top of Cabinet LHS
Electrical Connection	Underside of Cabinet LHS

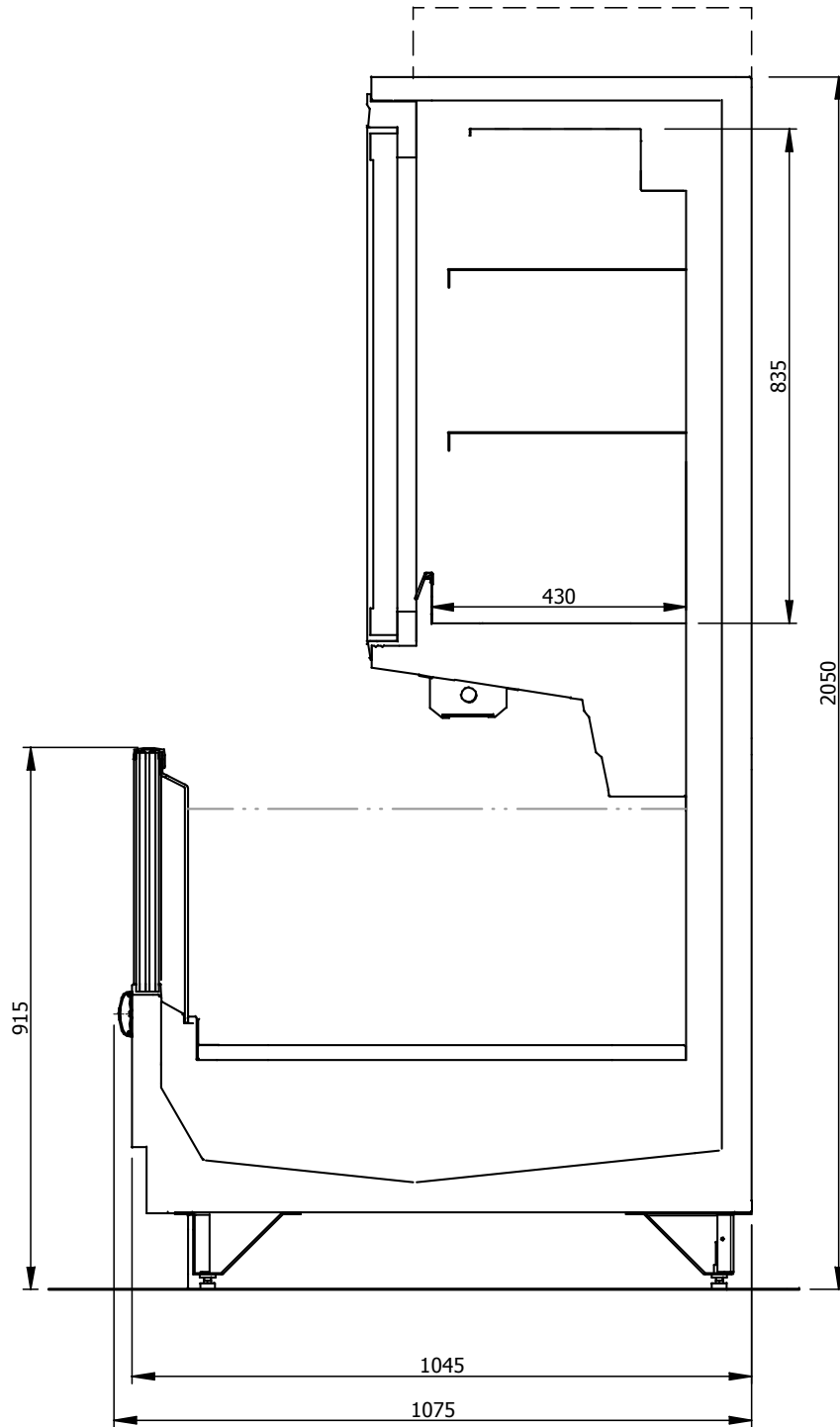
Set-Up Data**

	Electric Defrost
Cut in Temperature [°C]	-22
Cut out Temperature [°C]	-24
N° Defrosts (per 24hrs)	2
Maximum Defrost Time [mins]	45
Defrost Termination Temp (air off) [°C]	7
Drain Down Time [mins]	3
Fans in Defrost	On
Cabinet Temperature Ratio (%)	50
Superheat [K]	5
Trim Heater Control (%)	60

NOTES!

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

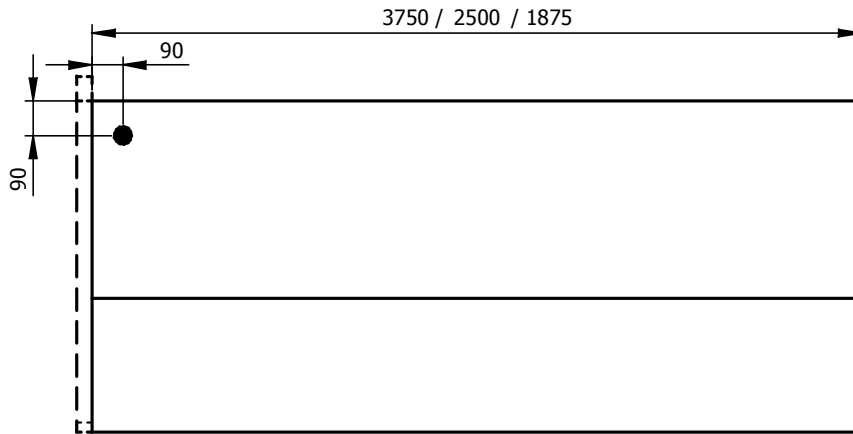
Section Drawing – GC1



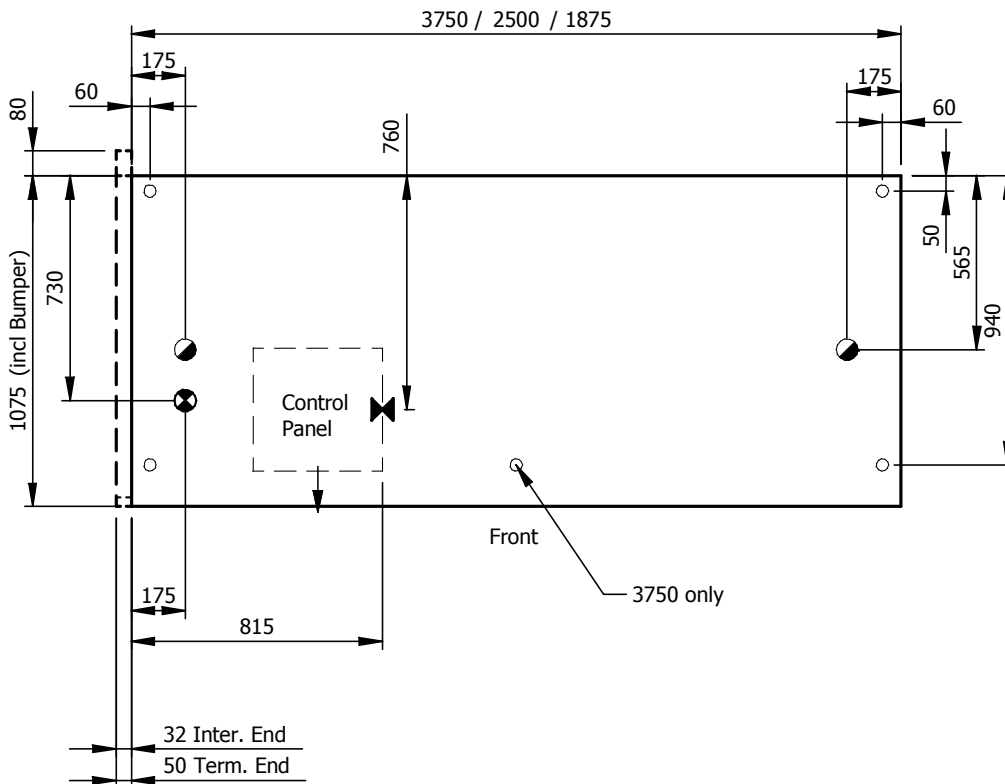
Ref:- DS1098-02

Plan Drawing – GC1

- KEY
- Feet Positions
 - Refrig. Outlets
 - ◐ Drain Outlets
 - ⊗ Elect. Outlets
 - ⊕ Mains Supply



Plan of Top



Plan of Base

Ref:- DP1159-01