

Cabinet Type	Combined Half Glass over Well			
Model Designation	GCR			
File Reference	1231			
Document Issue	1	18-12-12	LRC	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
	5	21-03-14	LRC	Updated Phase loads

cabinet **TECHNICAL DATA**

Cabinet Technical Data Sheet – GCR

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
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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	543	2.36	330	1.43	281	1.22
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	52	0.22
Maximum Load – Electric Defrost	4798	20.86	3304	14.36	2418	10.49

Electrical Data (@400V 3ph 50Hz)	L1	L2	L3	L1	L2	L3	L1	L2	L3
Maximum Load – Electric Defrost	3.47	8.7	8.7	2.2	6.1	6.1	1.8	4.34	4.34

Miscellaneous Data

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

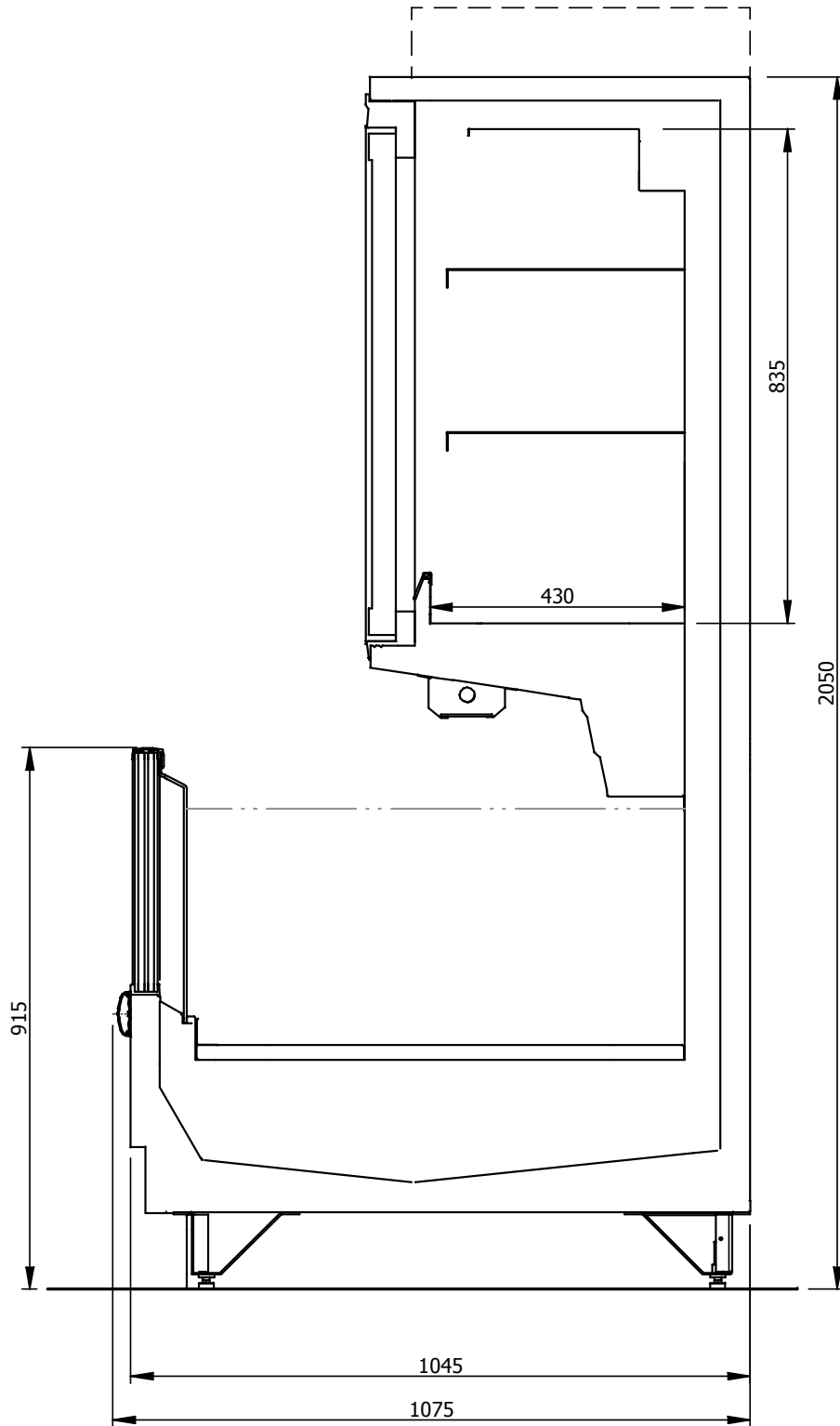
Set-Up Data**

	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.

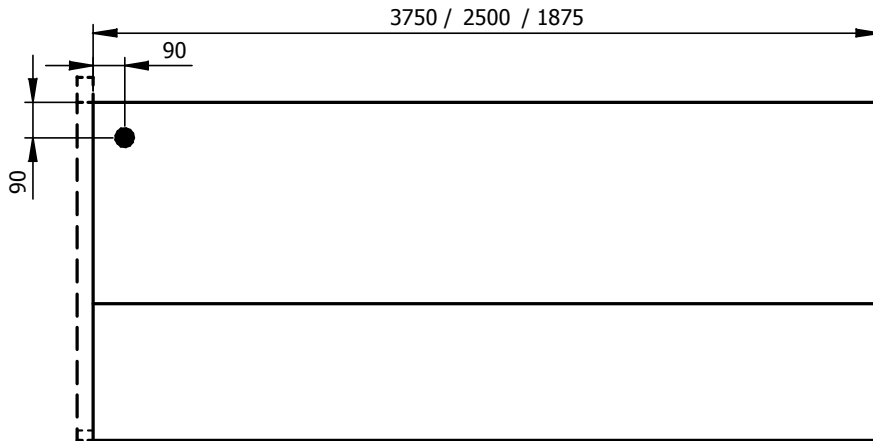
Section Drawing – GCR



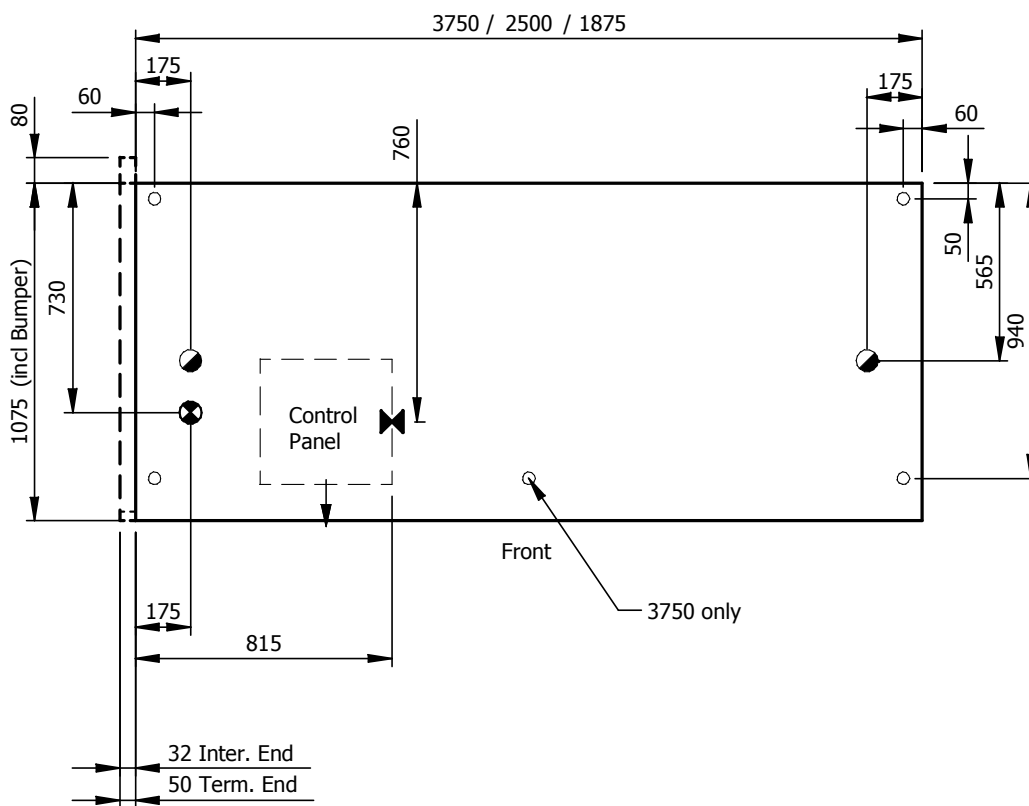
Ref:- DS1098-02

Plan Drawing – GCR

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



Plan of Top



Plan of Base

Ref:- DP1159-01