

**Cabinet Type**

**Combined Half Glass over Well**

**Model Designation**

**GCB**

**File Reference**

1159

**Document Issue**

1	27-08-10	LRC	First Issue
2	07-09-10	LRC	Pipe kits changed
3	07-03-13	LRC	Updated Cut in Cut out Temperatures

cabinet **TECHNICAL DATA**

## Cabinet Technical Data Sheet – GCB

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

<b>Case Length [m]</b>	<b>3.75</b>	<b>2.50</b>
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### Refrigeration Data

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

### Electrical Data (@ 230V 50Hz)

	Watts	Amps	Watts	Amps
Defrost Heaters	4000	17.39	2800	12.17
Fans	147	0.64	98	0.43
Trim Heaters	808	3.51	539	2.34
Solenoid Valve / Controller	10	0.04	10	0.04
Lights (LED Frame & Lower Canopy)	159	0.69	107	0.47
Maximum Load – Electric Defrost	5124	22.27	3554	15.45

### Miscellaneous Data

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

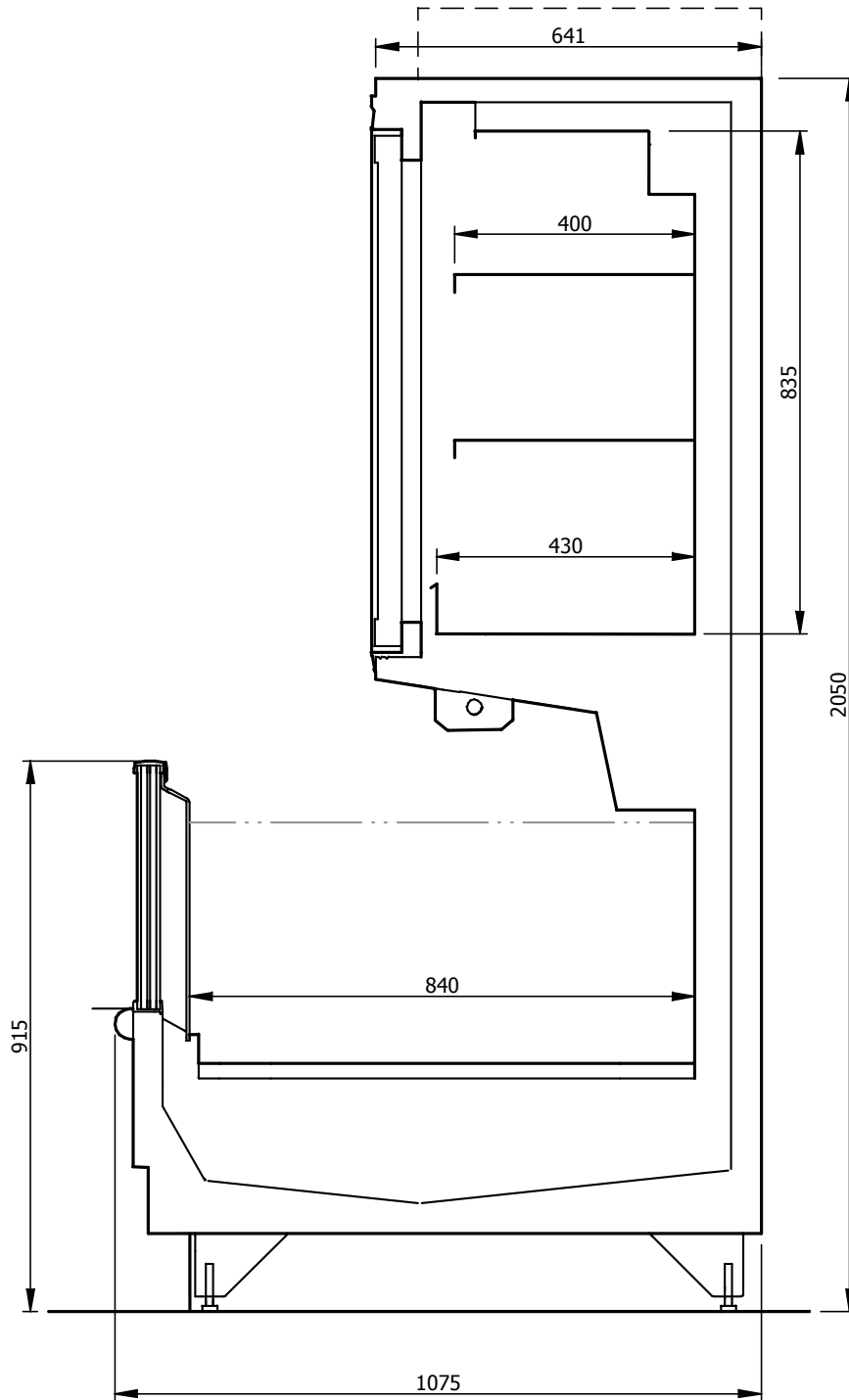
### Set-Up Data\*\*

	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.

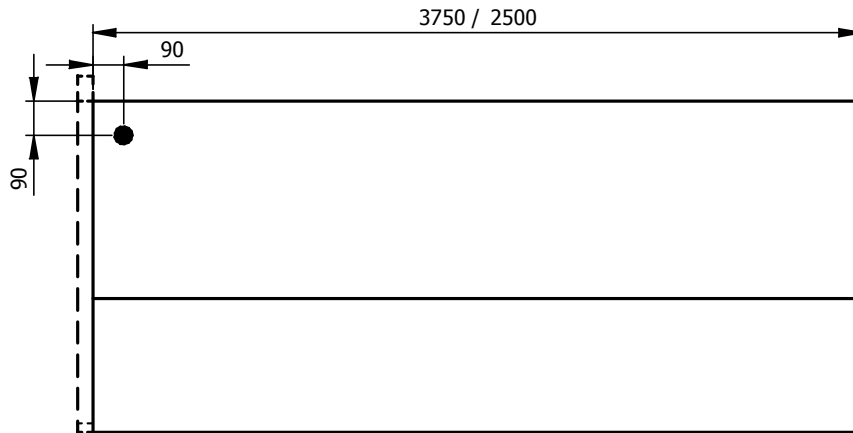
**Section Drawing – GCB**



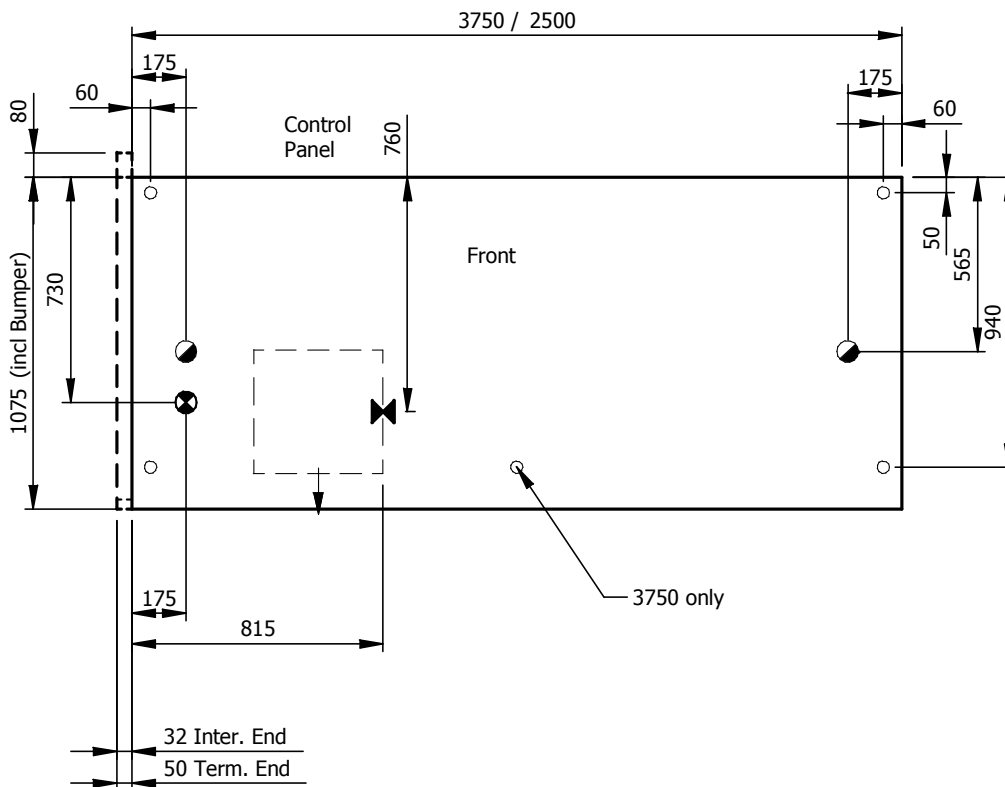
Ref:- DS1159-01

**Plan Drawing – GCB**

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



Plan of Top



Plan of Base

Ref:- DP1159-01