

**Cabinet Type****Combined Half Glass over Well****Model Designation****GCH****File Reference**

1159

**Document Issue**

1	02-11-11	LRC	First Issue
2	27-07-12	LRC	Updated WAE Electrical loads
3	07-03-13	LRC	Updated Cut in Cut out Temperatures

cabinet **TECHNICAL DATA**

## Cabinet Technical Data Sheet – GCH

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

Case Length [m]	3.75	2.50	2.1 WAE
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### Refrigeration Data

Refrigeration Duty (per 24hrs) [kW] ISO3	2.63	1.75	1.47
Evaporating Temperature [°C] – L1	-32	-32	-32
Evaporating Temperature [°C] – L2	-29	-29	-29
R744 AKV Expansion Valve Size	10-3	10-2	10-2
Nett Environment Cooling Effect [kW]	1.31	0.89	0.75
Evaporator Liquid Capacity @ 90% R744 [kg]	12.27	8.00	6.72
Evaporator Liquid Capacity @ 25% R744 [kg]	3.41	2.22	1.86
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	2400	10.43
Fans	147	0.64	98	0.43	75	0.33
Trim Heaters	808	3.51	539	2.34	480	2.09
Solenoid Valve / Controller	10	0.04	10	0.04	10	0.04
Nualight Lights (LED Frame & Lower Canopy)	130	0.56	90	0.39	68	0.30
Maximum Load – Electric Defrost	5095	22.14	3537	15.37	3033	13.19

### Miscellaneous Data

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

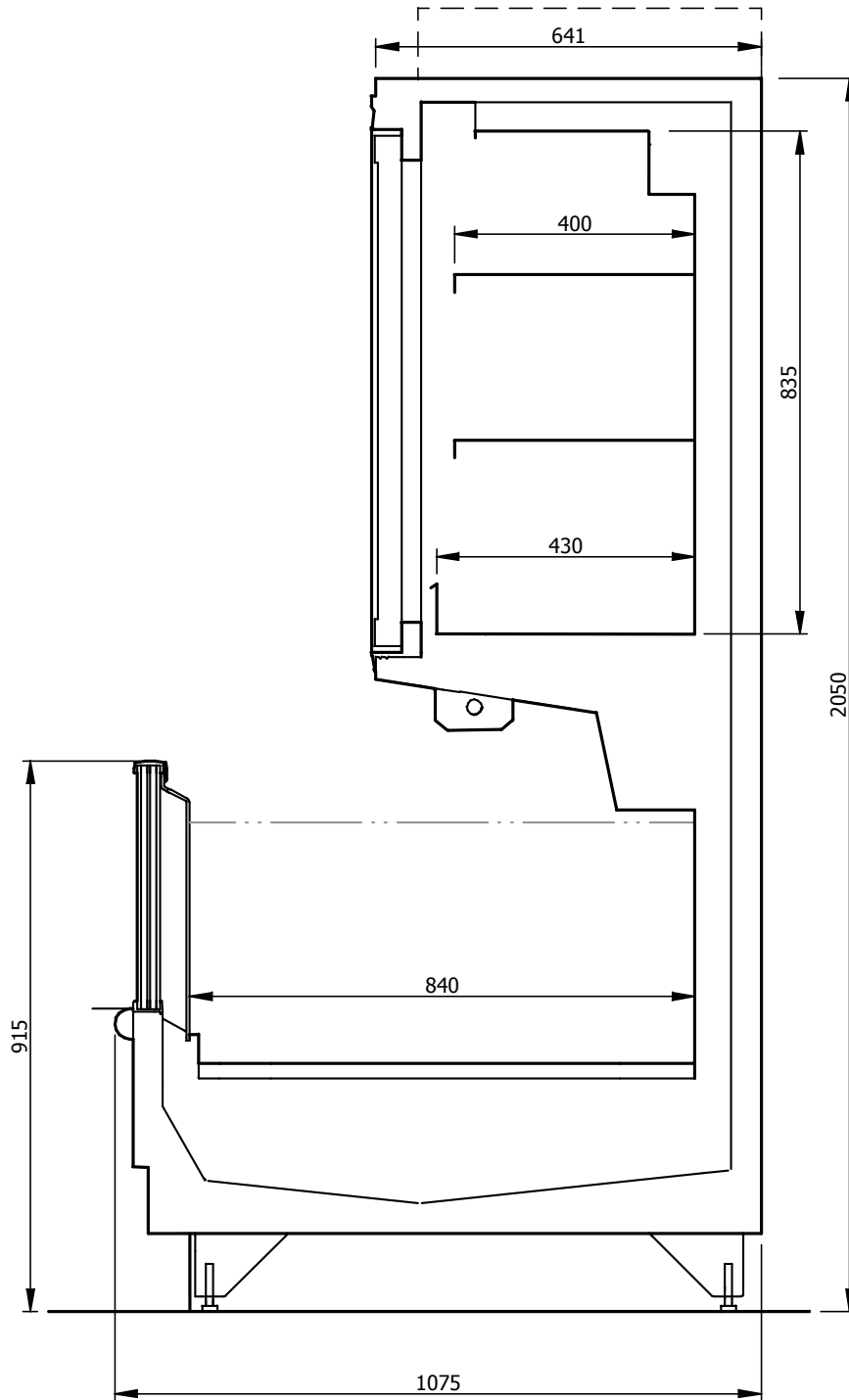
### Set-Up Data\*\*

	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.

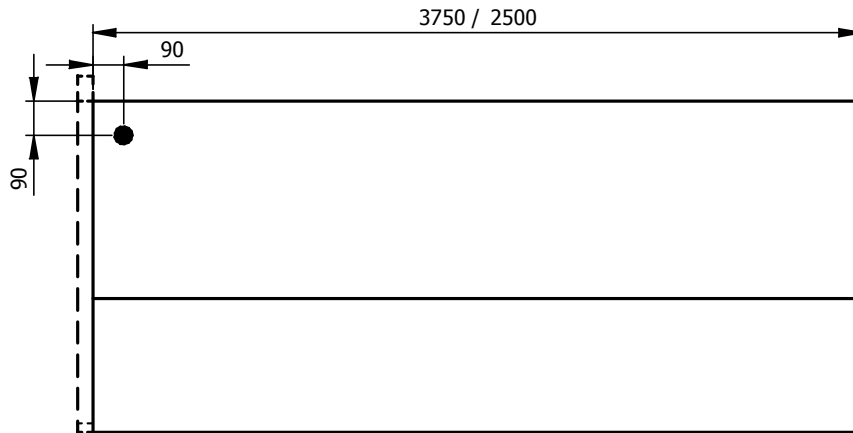
**Section Drawing – GCH**



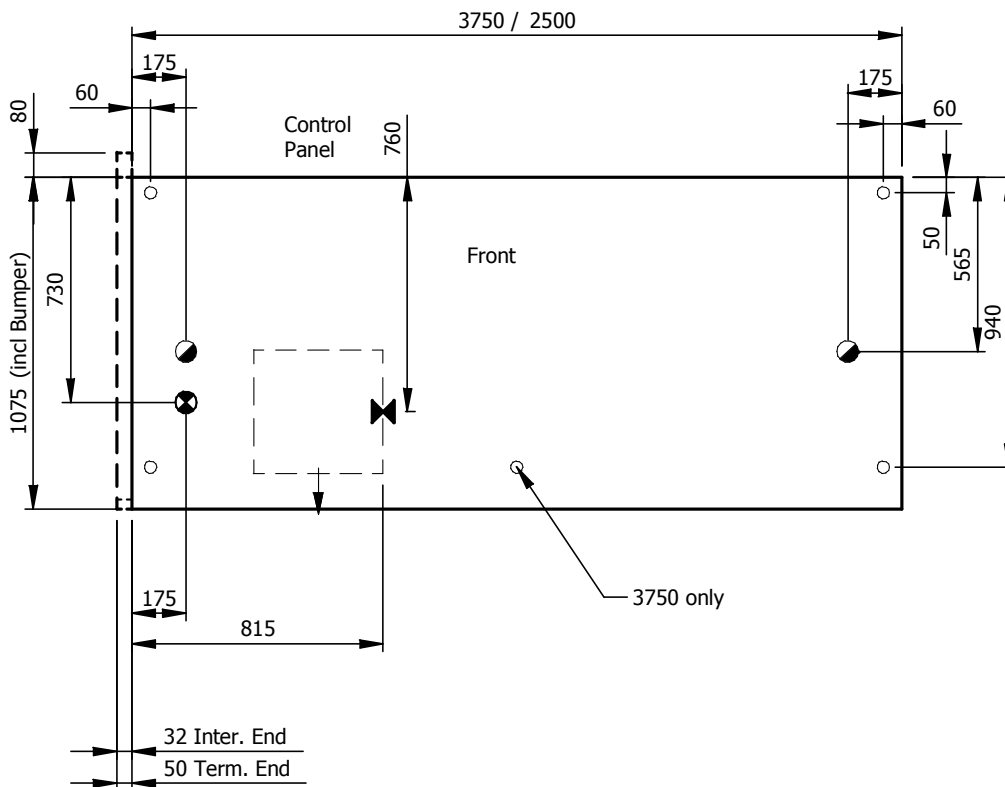
Ref:- DS1159-01

**Plan Drawing – GCH**

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



Plan of Top

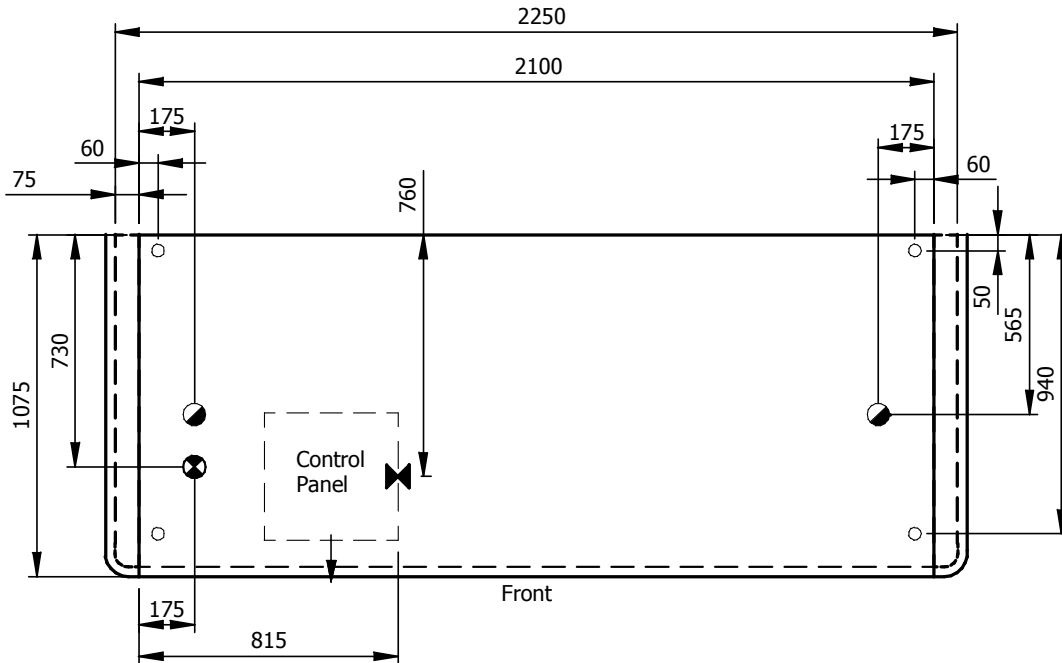


Plan of Base

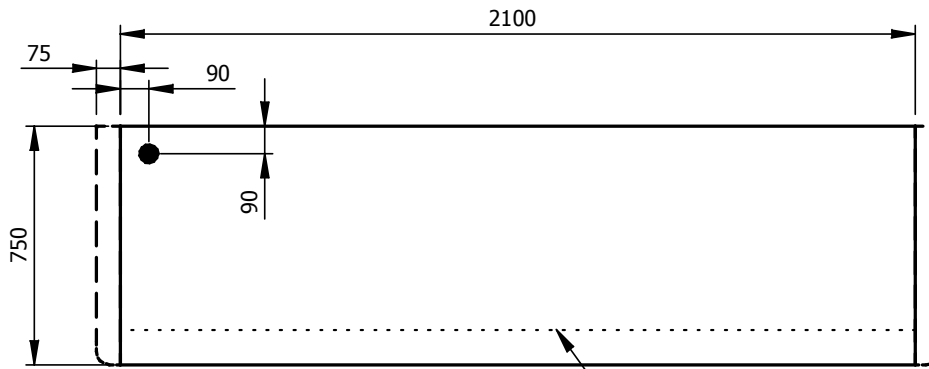
Ref:- DP1159-01

**Plan Drawing – GCH WAE**

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



Plan of Base



Plan of top

Pipe Upstand

Ref:- DP1195 WAE