

<b>Cabinet Type</b>	<b>MultiDeck Combined Half Glass over Well</b>			
<b>Model Designation</b>	<b>GD1</b>			
<b>File Reference</b>	1103			
<b>Document Issue</b>	1	04.03.09	AG	First Issue
	2	30.05.09	IG	1.87 tech data added
	3	20.08.09	AG	Section view Dims added
	4	01.12.09	IG	Defrost Termination Revised to Air Off Only
	5	13.04.10	LRC	Expansion Valve Operation added

cabinet **TECHNICAL DATA**

## Cabinet Technical Data Sheet – GD1

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>	<b>1.87</b>
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### Refrigeration Data

Refrigeration Duty (per 24hrs) [kW] ISO3	2.63	1.75	1.31
Evaporating Temperature [°C] – L1	-35	-35	-35
Evaporating Temperature [°C] – L2	-32	-32	-32
Nett Environmental Cooling effect [kW]	0.66	0.44	0.33
R404A AKV Expansion Valve Size	No5	No4	No3
R404A T2 Orifice Size	No3	No2	No2
Evaporator Liquid Capacity @ 25% R404A [kg]	4.0	2.6	2.0
Refrigeration Pipe Tail – Liquid	3/8"	3/8"	3/8"
Refrigeration Pipe Tail – Suction	7/8"	7/8"	7/8"

### 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	276	1.20	184	0.80	138	0.6
Maximum Load – Electric Defrost	5457	23.7	3775	16.4	2823	12.25

### Electrical Data (@400V 3ph 50Hz)

	L1	L2	L3	L1	L1	L2	L1	L2	L3
Maximum Load – Electric Defrost	6.5	9	9	4.5	6.5	9	4.4	4.4	3.6

### Miscellaneous Data

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

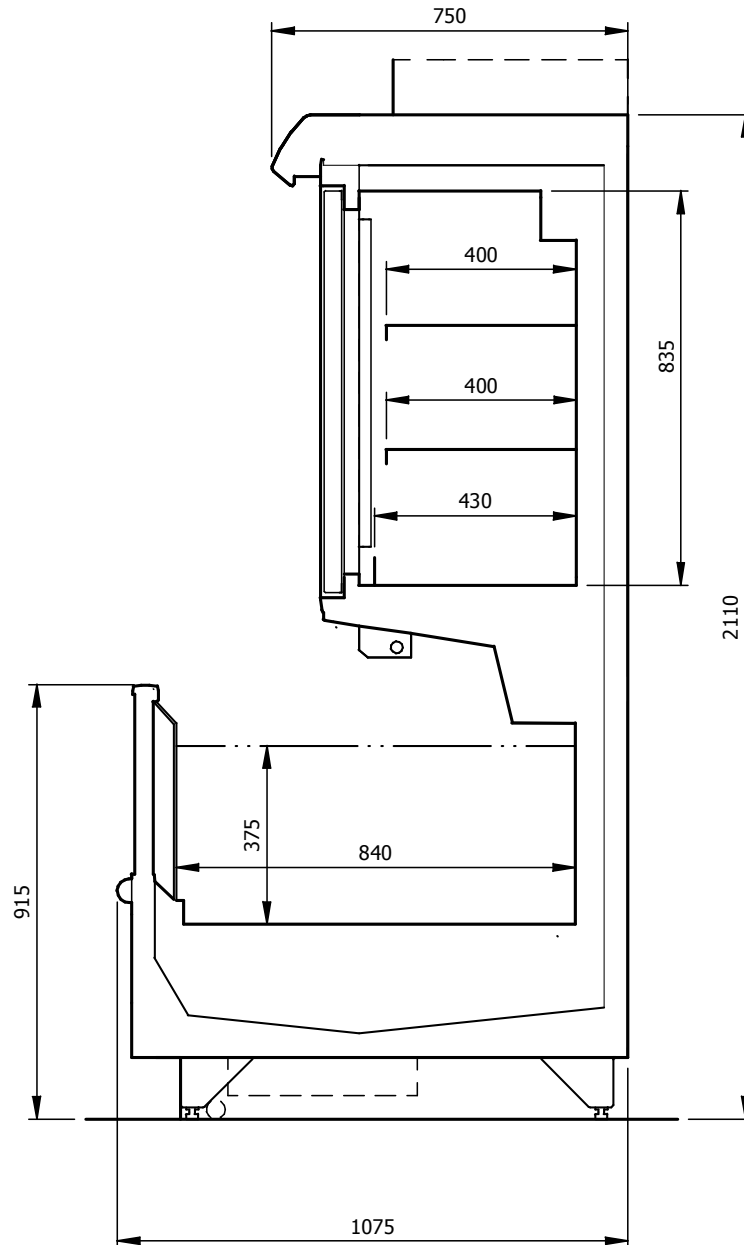
### Set-Up Data\*\*

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

NOTES!

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

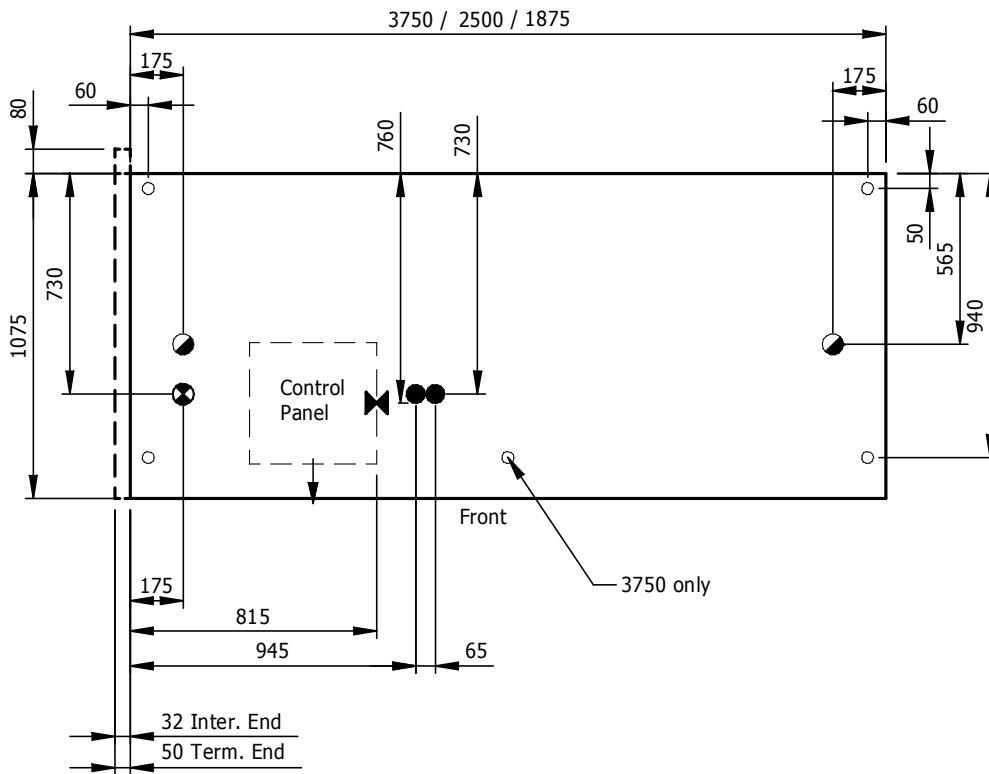
**Section Drawing – GD1**



Ref:- DS1103-02

**Plan Drawing – GD1**

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



Plan of Base

Ref:- DP1103-1