



RETAIL EQUIPMENT LTD

<b>Case Type</b>	<b>Multideck</b>			
<b>Model Designation</b>	<b>KA4</b>			
<b>File Reference</b>	1180			
<b>Document Issue</b>	1	14.02.11	GR	First Issue
	2	11-03-11	LRC	Orifice Sizes Updated

cabinet **TECHNICAL DATA**

## Cabinet Technical Data Sheet – KA4 Fresh Meat

Product Type	Fresh Meat / 3M0
Product Temperature	-1 / +4°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]	5.87	3.89	2.9
Evaporating Temperature [°C]	-4	-4	-4
Nett Environment Cooling Effect [kW]	5.16	3.4	2.51
R744 AKV Expansion Valve Size	AKV 10-5	AKV 10-5	AKV 10-4

Evaporator Liquid Capacity @ 90% R744 [kg]	TBA	TBA	TBA
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						
Fans (MCE)	39	0.17	26	0.11	26	0.11
Trim Heaters						
Solenoid Valve / Controller	10	0.04	10	0.04	10	0.04
Lights	115	0.5	77	0.33	54	0.23
Maximum Load – Off Cycle Defrost	164	0.71	113	0.49	90	0.39

### Miscellaneous Data

Drain Outlet	1& 1/4" plastic
Refrigeration Connections	Bottom LHS
Electrical Connection	Bottom LHS

### Set-Up Data\*\* O/C Defrost

Cut in Temperature [°C]	1.5
Differential [K]	0.5
N° Defrosts (per 24hrs)	6
Maximum Defrost Time [mins]	40
Defrost Termination Temp (air off) [°C]	9
Drain Down Time [mins]	1
Fans off on Defrost	No
Cabinet Temperature Ratio (%)	50
Superheat [K]	5

NOTES! \* for R22 multiply by factor X 0.90  
 \*\* Set-up data is for guidance only. Final settings to be determined by commissioning contractor.

## Cabinet Technical Data Sheet– KA4 Dairy

Product Type	Dairy/ 3M1
Product Temperature	-1 / +5°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]	4.93	3.29	2.46
Evaporating Temperature [°C]	-4	-4	-4
Nett Environment Cooling Effect [kW]	4.22	2.8	2.07
R744 AKV Expansion Valve Size	AKV 10-6	AKV 10-6	AKV 10-5

Evaporator Liquid Capacity @ 90% R744 [kg]	2.86	1.85	1.3
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						
Fans (MCE)	39	0.17	26	0.11	26	0.11
Trim Heaters						
Solenoid Valve / Controller	10	0.04	10	0.04	10	0.04
Lights	115	0.5	77	0.33	54	0.23
Maximum Load – Off Cycle Defrost	164	0.71	113	0.49	90	0.39
Maximum Load – Electric Defrost						
Maximum Load – Gas Defrost						

### Miscellaneous Data

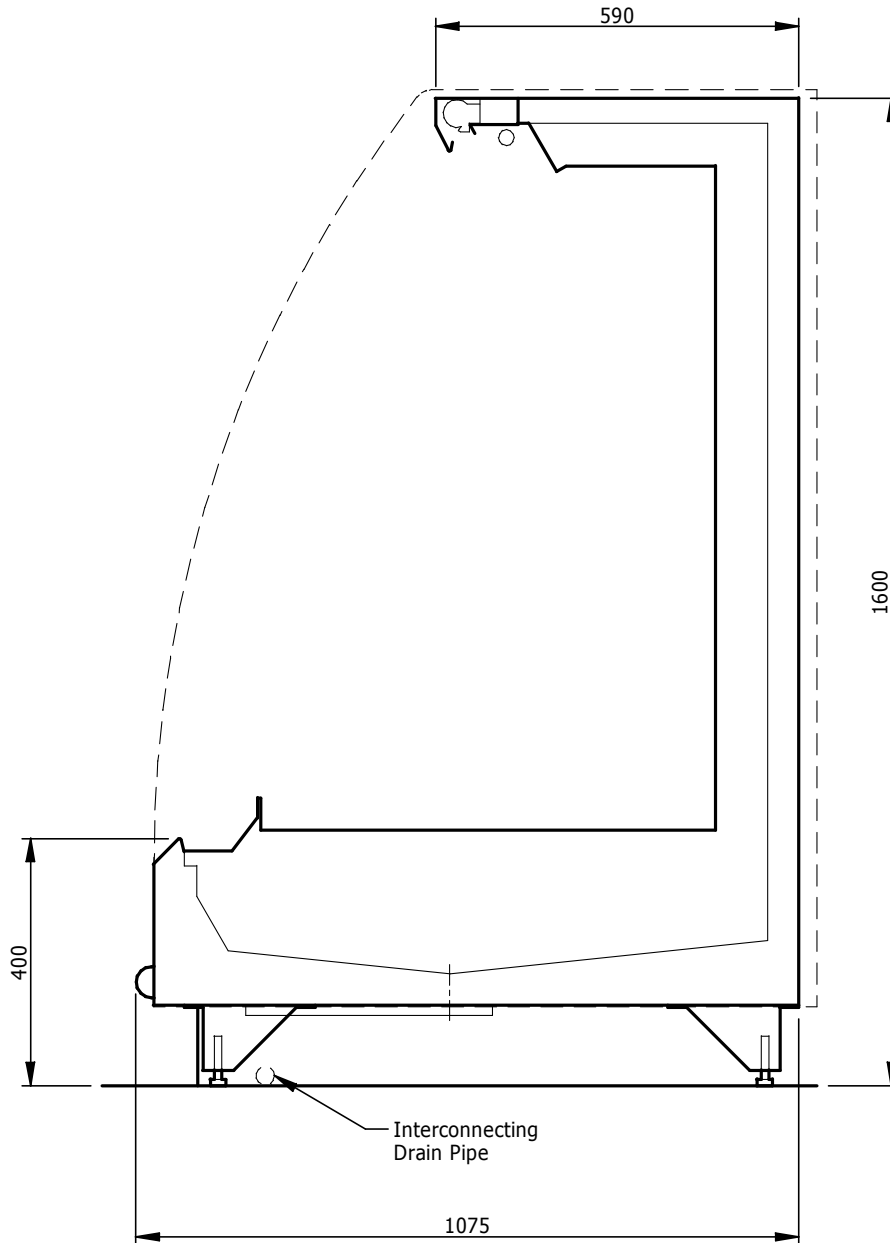
Drain Outlet	1& 1/4" plastic
Refrigeration Connections	Bottom LHS
Electrical Connection	Bottom LHS

### Set-Up Data\*\* O/C Defrost

Cut in Temperature [°C]	2.5
Differential [K]	0.5
N° Defrosts (per 24hrs)	6
Maximum Defrost Time [mins]	40
Defrost Termination Temp (air off) [°C]	9
Drain Down Time [mins]	1
Fans off on Defrost	No
Cabinet Temperature Ratio (%)	50
Superheat [K]	5

NOTES! \* for R22 multiply by factor X 0.90  
 \*\* Set-up data is for guidance only. Final settings to be determined by commissioning contractor.

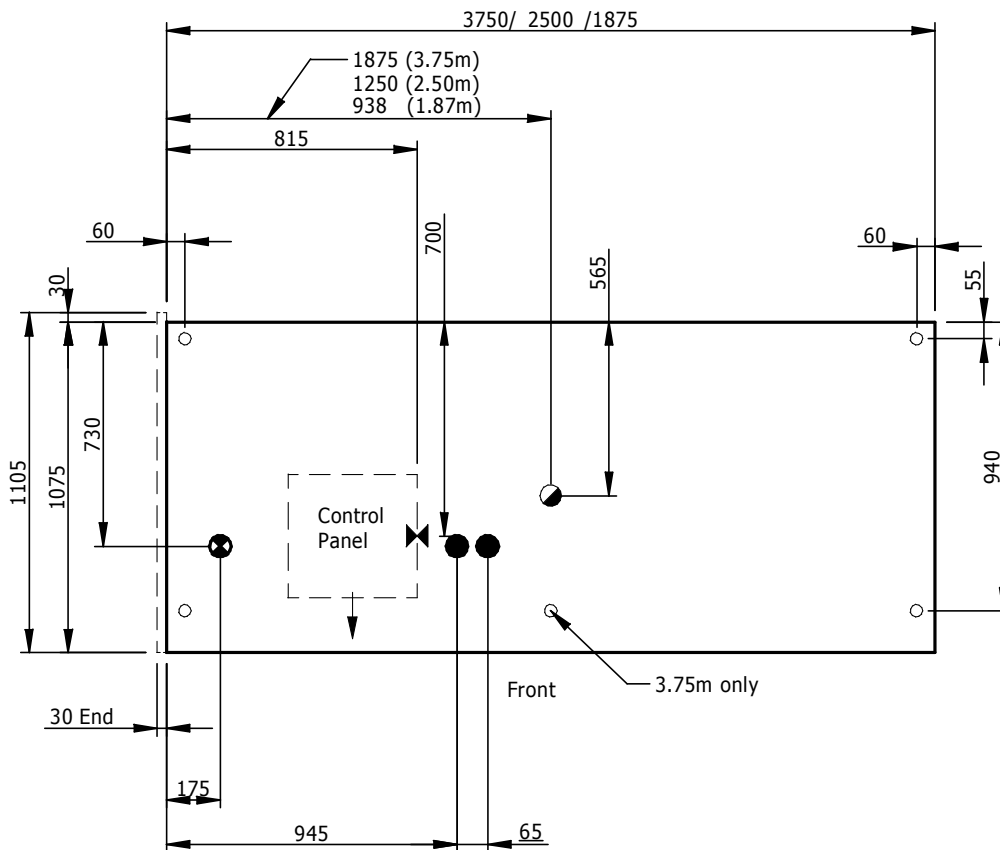
**Section Drawing – KA4**



Ref:- DS1034-3

**Plan Drawing – KA4**

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



Plan of Base

Ref:- DP1034-2