



RETAIL EQUIPMENT LTD

Cabinet Type **Multideck Full Height**

Model Designation **IBA**

File Reference 1183

Document Issue 1 01.11.10 GR First Issue

cabinet **TECHNICAL DATA**

Cabinet Technical Data Sheet – IBA Dairy

Product Type	Dairy 3M1
Product Temperature	-1 / +5 °C
Maximum Design Ambient	25°C @ 60%RH

Case Length [m]	3.75	2.50	1.87	2.50 WAE	1.87 WAE	2.18 WAE
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Refrigeration Data

Refrigeration Duty (per 24hrs) [kW] ISO3	5.78	3.85	2.89	3.85	2.89	3.36
Refrigeration Duty (per 24hrs) [kW] ISO0	4.62	3.08	2.31	3.08	2.31	2.69
Evaporating Temperature [°C]	-6	-6	-6	-6	-6	-6
Nett Environment Cooling Effect [kW]	5.64	3.76	2.81	3.76	2.81	3.24
R404A AKV Expansion Valve	6	6	5	6	5	5
R404A T2 Orifice Size	4	3	3	3	3	3
Evaporator Liquid Capacity @ 25% R404A* [kg]						
Refrigeration Pipe Tail – Liquid	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Refrigeration Pipe Tail – Suction	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"

Electrical Data (@ 230V 50Hz)

	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps
Fans (EC EBM)	42	0.18	28	0.12	21	0.09	28	0.12	21	0.09	28	0.12
Trim Heaters							30	0.13	30	0.13	30	0.13
Solenoid Valve / Controller	10	0.04	10	0.04	10	0.04	10	0.04	10	0.04	10	0.04
Lights (QLED)	54	0.23	36	0.16	24	0.10	36	0.16	24	0.10	40	0.18
Maximum Load – Off Cycle Defrost	106	0.45	74	0.32	55	0.23	104	0.45	85	0.36	108	0.47

Miscellaneous Data

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

Set-Up Data** O/C Defrost

	Dairy
Cut in Temperature [°C]	3
Differential [K]	1
N° Defrosts (per 24hrs)	8
Maximum Defrost Time [mins]	45
Defrost Termination Temp (air off) [°C]	8
Drain Down Time [mins]	1
Fans in Defrost	On
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 – IBA Meat

Product Type	Meat 3M0***
Product Temperature	-1 /+4 °C
Maximum Design Ambient	25°C @ 60%RH

Case Length [m]	3.75	2.50	1.87	2.50 WAE	1.87 WAE	2.18 WAE
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Refrigeration Data

Refrigeration Duty (per 24hrs) [kW] ISO3	5.93	3.95	2.96	3.95	2.96	3.44
Refrigeration Duty (per 24hrs) [kW] ISO0	4.74	3.16	2.37	3.16	2.37	2.76
Evaporating Temperature [°C]	-6	-6	-6	-6	-6	-6
Nett Environment Cooling Effect [kW]	5.79	3.86	2.89	3.86	2.89	3.33
R404A AKV Expansion Valve	6	6	5	6	5	5
R404A T2 Orifice Size	4	3	3	3	3	3
Evaporator Liquid Capacity @ 25% R404A* [kg]						
Refrigeration Pipe Tail – Liquid	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Refrigeration Pipe Tail – Suction	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"

Electrical Data (@ 230V 50Hz)

	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps
Fans (EC EBM)	42	0.18	28	0.12	21	0.09	28	0.12	21	0.09	28	0.12
Trim Heaters							30	0.13	30	0.13	30	0.13
Solenoid Valve / Controller	10	0.04	10	0.04	10	0.04	10	0.04	10	0.04	10	0.04
Lights	54	0.23	36	0.16	24	0.10	36	0.16	24	0.10	40	0.18
Maximum Load – Off Cycle Defrost	106	0.45	74	0.32	55	0.23	104	0.45	85	0.36	108	0.47

Miscellaneous Data

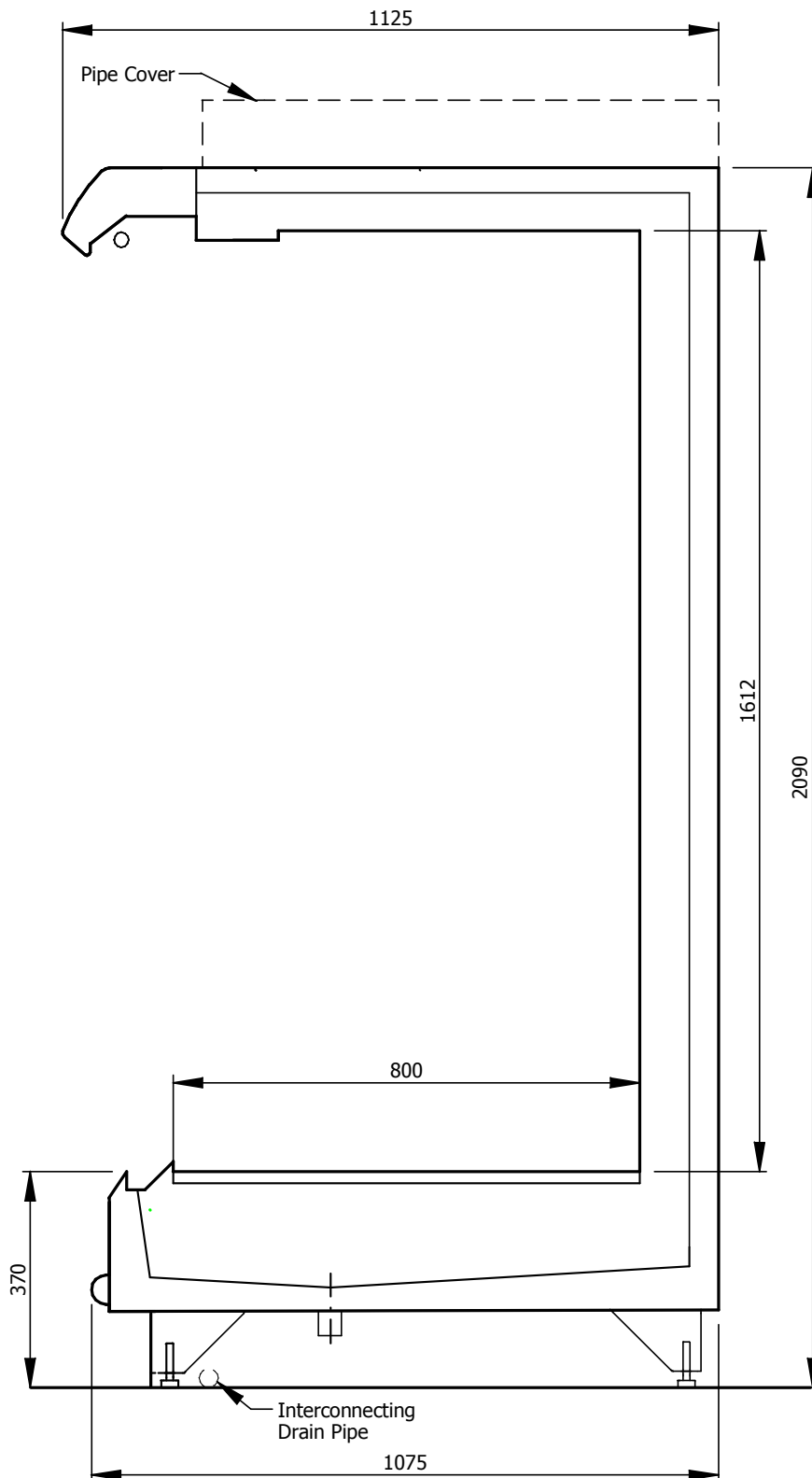
Refrigeration Connections	Top of Cabinet LHS
Electrical Connection	Top of Cabinet LHS

Set-Up Data** O/C Defrost

	Meat
Cut in Temperature [°C]	2
Differential [K]	1
N° Defrosts (per 24hrs)	8
Maximum Defrost Time [mins]	45
Defrost Termination Temp (air off) [°C]	8
Drain Down Time [mins]	1
Fans in Defrost	On
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.

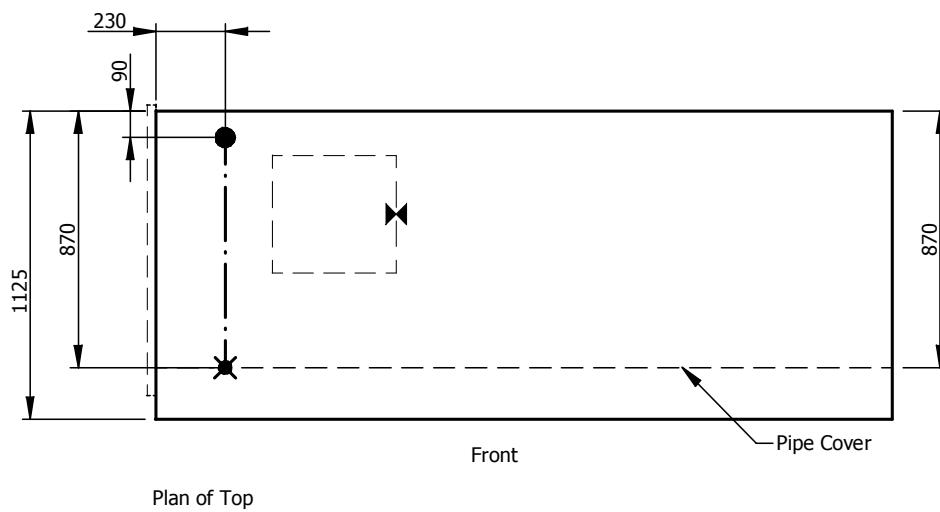
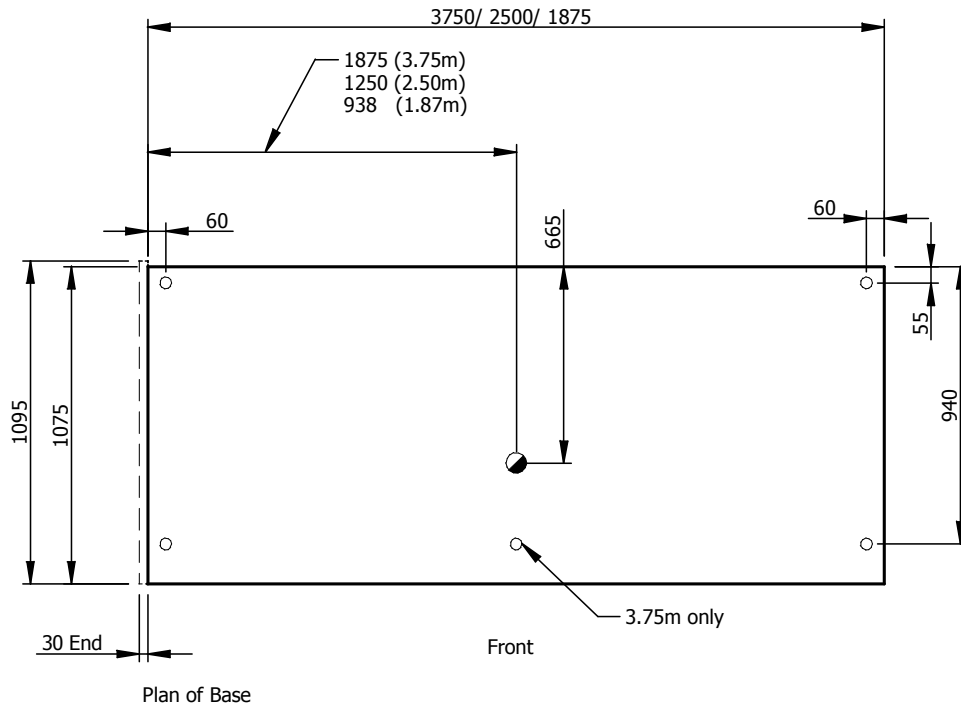
Section Drawing – IBA



Ref:- DS1183

Plan Drawing – IBA

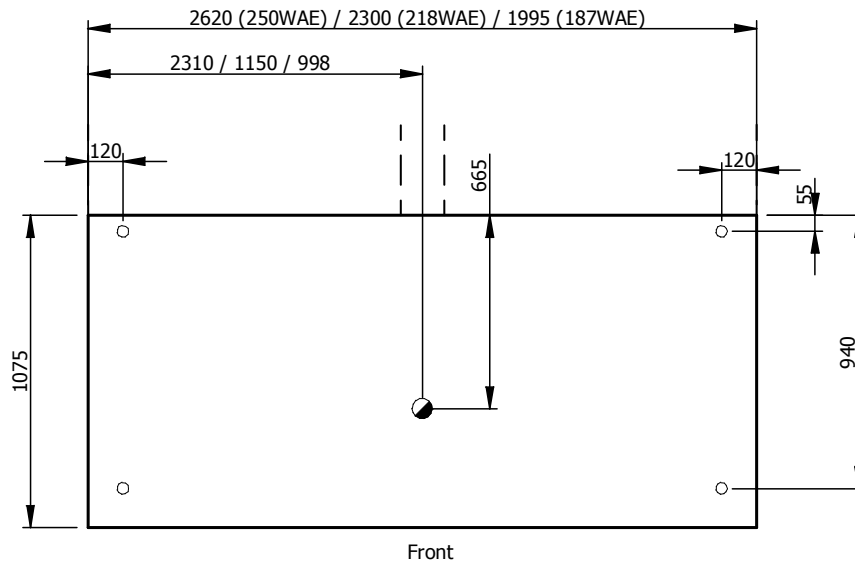
- KEY
- Feet Positions
 - Refrig. Outlets
 - ✕ Refrig Pipe Tails
 - Drain Outlets
 - ✕ Mains Supply



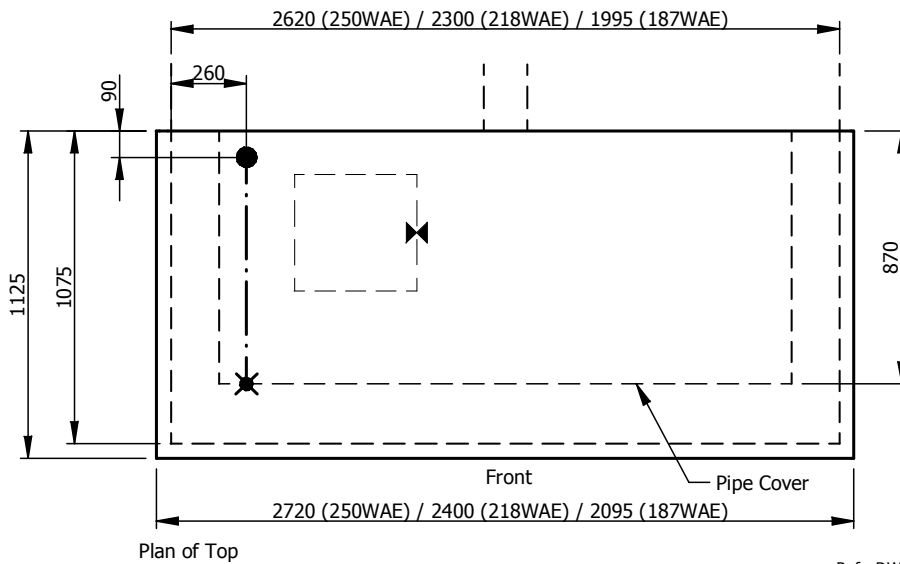
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Plan Drawing – IBA WAE

- KEY
- Feet Positions
 - Refrig. Outlets
 - ✕ Refrig. Pipe Tails
 - ⊙ Drain Outlets
 - ⊗ Elect. Outlets
 - ✕ Mains Supply



Plan of Base



Plan of Top

Ref:- DW1095-03