

Cabinet Type	Multideck Full Height			
Model Designation	IB4			
File Reference	1095			
Document Issue	1	10.02.09	IG	First Issue
	2	15.07.09	AG	Plan view WAE
	3	29.04.13	AG	Evaporator Liquid Capacity added

cabinet **TECHNICAL DATA**

Cabinet Technical Data Sheet – IB4 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]	6.0	3.9	2.9	3.9	2.9	3.4
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	84	0.37	56	0.24	42	0.18	56	0.24	42	0.18	49	0.21
Maximum Load – Off Cycle Defrost	136	0.59	94	0.41	73	0.32	124	0.54	103	0.45	117	0.51

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 – IB4 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]	6.0	3.9	2.9	3.9	2.9	3.4
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	84	0.37	56	0.24	42	0.18	56	0.24	42	0.18	49	0.21
Maximum Load – Off Cycle Defrost	136	0.59	94	0.41	73	0.32	124	0.54	103	0.45	117	0.51

Miscellaneous Data

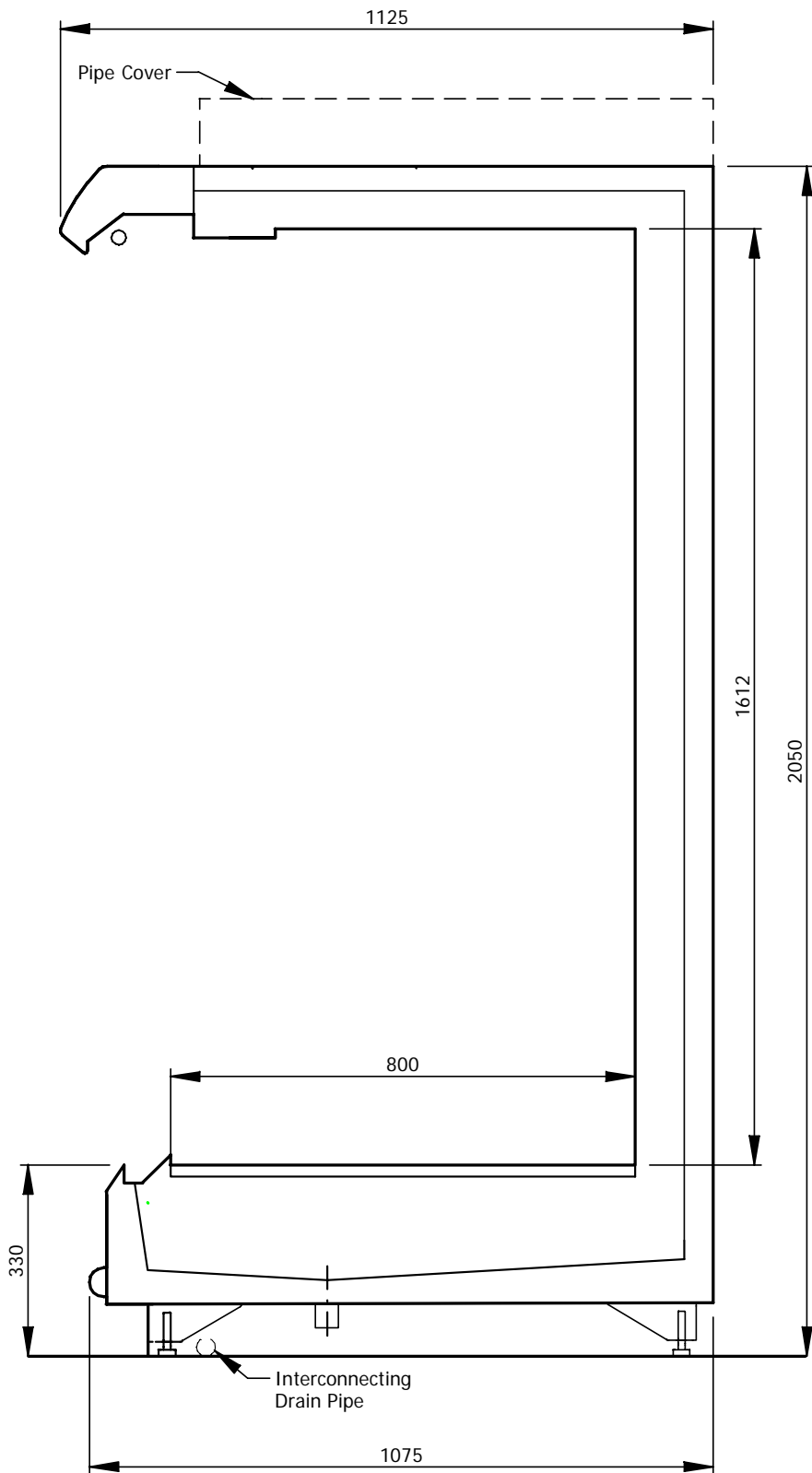
Refrigeration Connections	Top of Cabinet LHS
Electrical Connection	Top of Cabinet LHS

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 – IB4

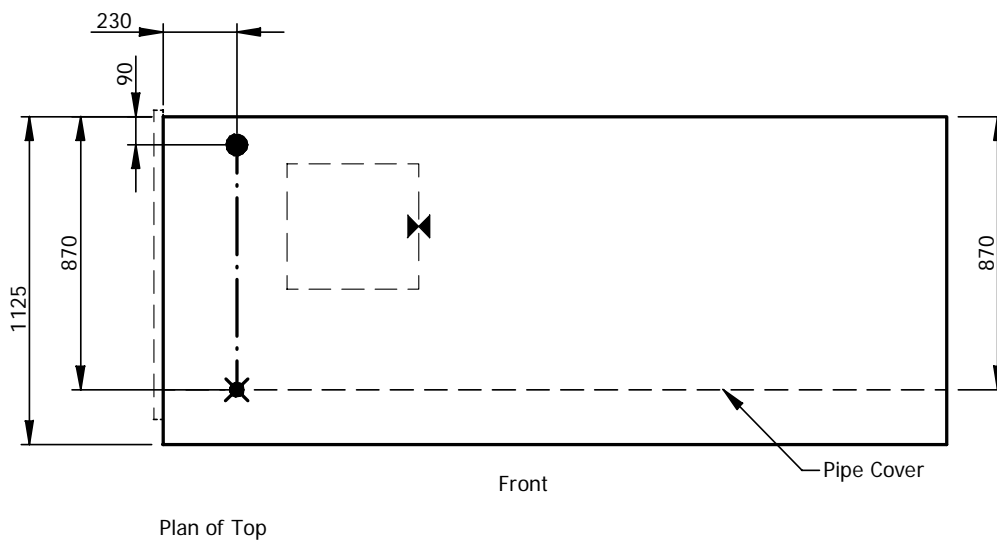
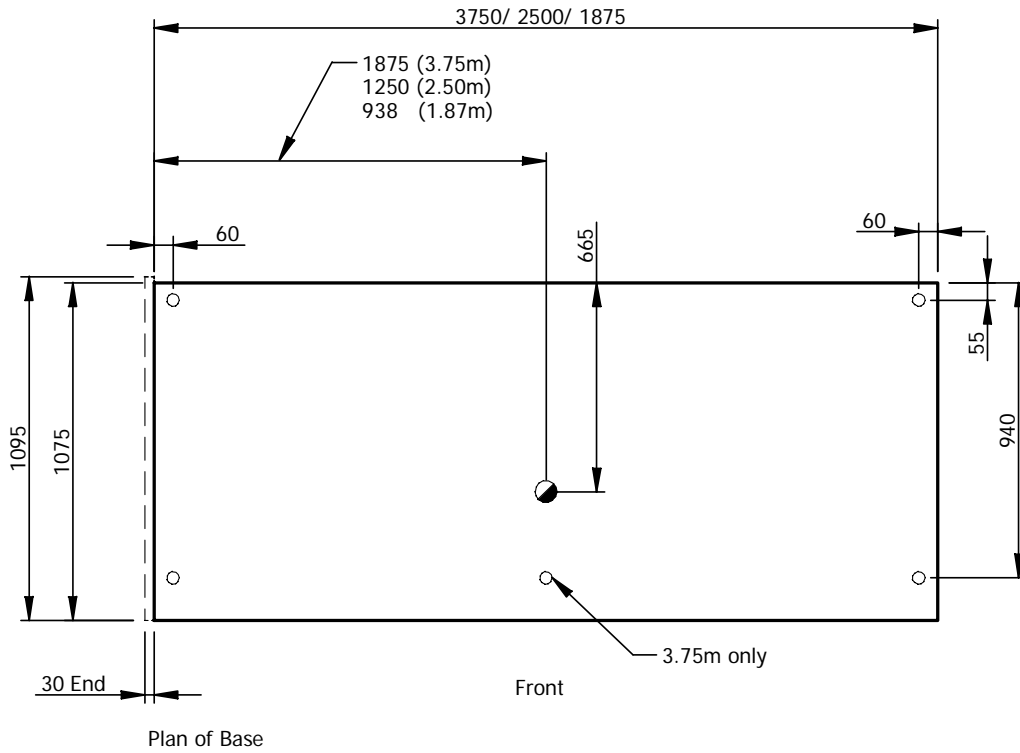


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Plan Drawing – IB4

KEY

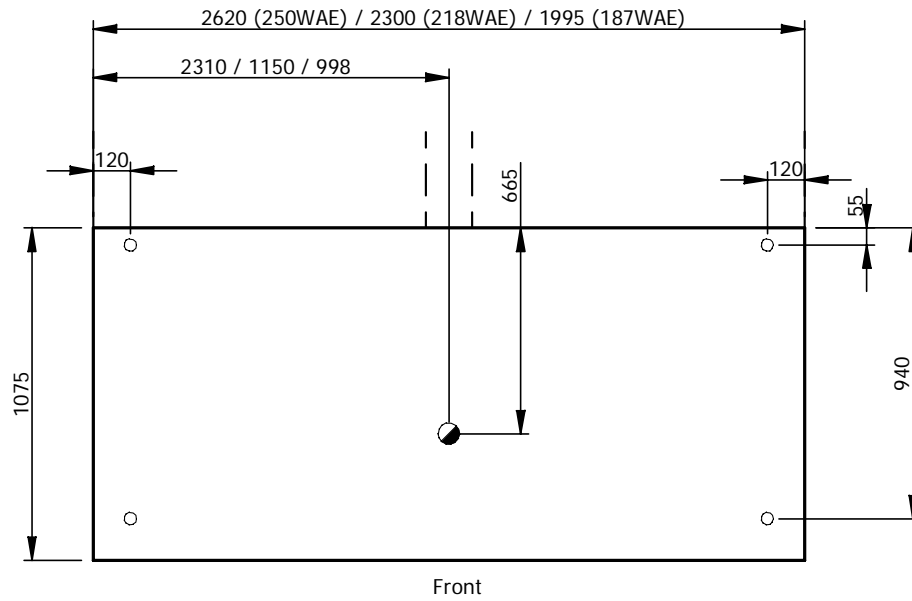
- Feet Positions
- Refrig. Outlets
- ✕ Refrig Pipe Tails
- ◐ Drain Outlets
- ✕ Mains Supply



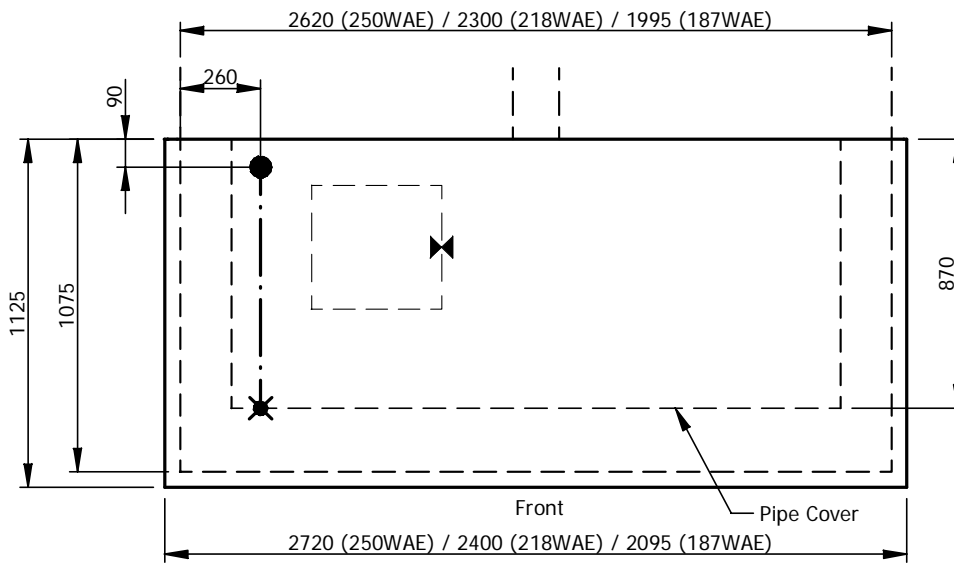
Ref DP1095-1

Plan Drawing – IB4 WAE

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



Plan of Base



Plan of Top

Ref:- DW1095-03