

Cabinet Type

Multideck Full Height

Model Designation

IC1

File Reference

1079

Document Issue

1	03.08.09	AG	First Issue
2	08.10.09	AG	Evaporator Liquid Capacity added
3	27.10.10	LRC	R407A Data Added

cabinet **TECHNICAL DATA**

Cabinet Technical Data Sheet – IC1 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	1.25	1.87(WAE)
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Refrigeration Data

Refrigeration Duty (per 24hrs) [kW] ISO3	5.54	3.70	2.77	1.93	2.77
Refrigeration Duty (per 24hrs) [kW] ISO0	4.44	2.96	2.22	1.54	2.22
Evaporating Temperature [°C]	-6	-6	-6	-6	-6
Nett Environment Cooling Effect [kW]	3.41	2.28	1.71	1.14	1.71
R404A AKV Expansion Valve	6	6	5	4	5
R404A T2 Orifice Size	4	3	3	2	3
R407A T2 Orifice Size	4	3	2	1	2
Evaporator Liquid Capacity @ 25% R404A* [kg]	5.02	3.27	2.39	1.51	2.39
Refrigeration Pipe Tail – Liquid	3/8"	3/8"	3/8"	3/8"	3/8"
Refrigeration Pipe Tail – Suction	7/8"	7/8"	7/8"	7/8"	7/8"

Electrical Data (@ 230V 50Hz)

	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps
Fans (EC EBM)	42	0.18	28	0.12	21	0.09	14	0.06	21	0.09
Trim Heaters									30	0.13
Solenoid Valve / Controller	10	0.04	10	0.04	10	0.04	10	0.04	10	0.04
Lights	114	0.50	76	0.33	54	0.23	38	0.17	54	0.23
Maximum Load – Off Cycle Defrost	166	0.72	114	0.50	85	0.37	62	0.27	115	0.50

Miscellaneous Data

Refrigeration Connections	Top of Cabinet LHS
Electrical Connection	Underside 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 – IC1 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	1.25	1.87(WAE)
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Refrigeration Data

Refrigeration Duty (per 24hrs) [kW] ISO3	5.69	3.79	2.84	1.90	2.84
Refrigeration Duty (per 24hrs) [kW] ISO0	4.55	3.03	2.28	1.52	2.28
Evaporating Temperature [°C]	-6	-6	-6	-6	-6
Nett Environment Cooling Effect [kW]	2.28	1.52	1.14	0.76	1.14
R404A AKV Expansion Valve	6	6	5	4	5
R404A T2 Orifice Size	4	3	3	2	3
R407A T2 Orifice Size	4	3	2	1	2
Evaporator Liquid Capacity @ 25% R404A* [kg]	5.02	3.27	2.39	1.51	2.39
Refrigeration Pipe Tail – Liquid	3/8"	3/8"	3/8"	3/8"	3/8"
Refrigeration Pipe Tail – Suction	7/8"	7/8"	7/8"	7/8"	7/8"

Electrical Data (@ 230V 50Hz)

	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps
Fans (EC EBM)	42	0.18	28	0.12	21	0.09	14	0.06	21	0.09
Trim Heaters									30	0.13
Solenoid Valve / Controller	10	0.04	10	0.04	10	0.04	10	0.04	10	0.04
Lights	114	0.50	76	0.33	54	0.23	38	0.17	54	0.23
Maximum Load – Off Cycle Defrost	166	0.72	114	0.50	85	0.37	62	0.27	115	0.50

Miscellaneous Data

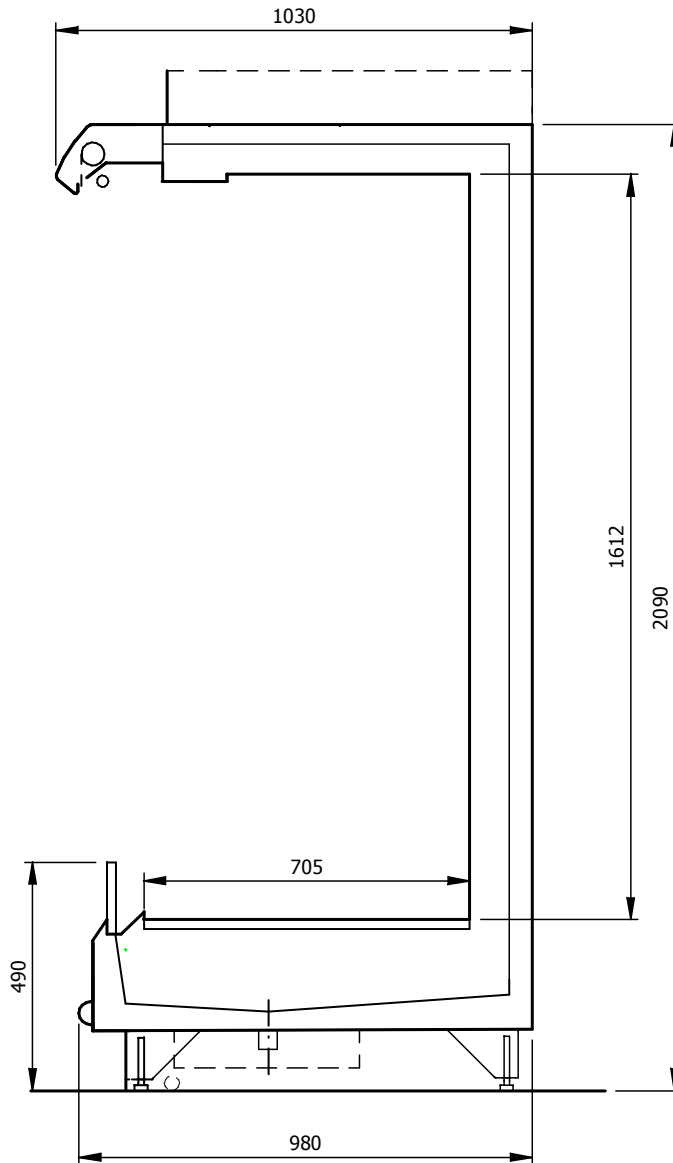
Refrigeration Connections	Top of Cabinet LHS
Electrical Connection	Underside of Cabinet LHS

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.
 *** M0 proposed En temperature class for fresh meat -1/4°C

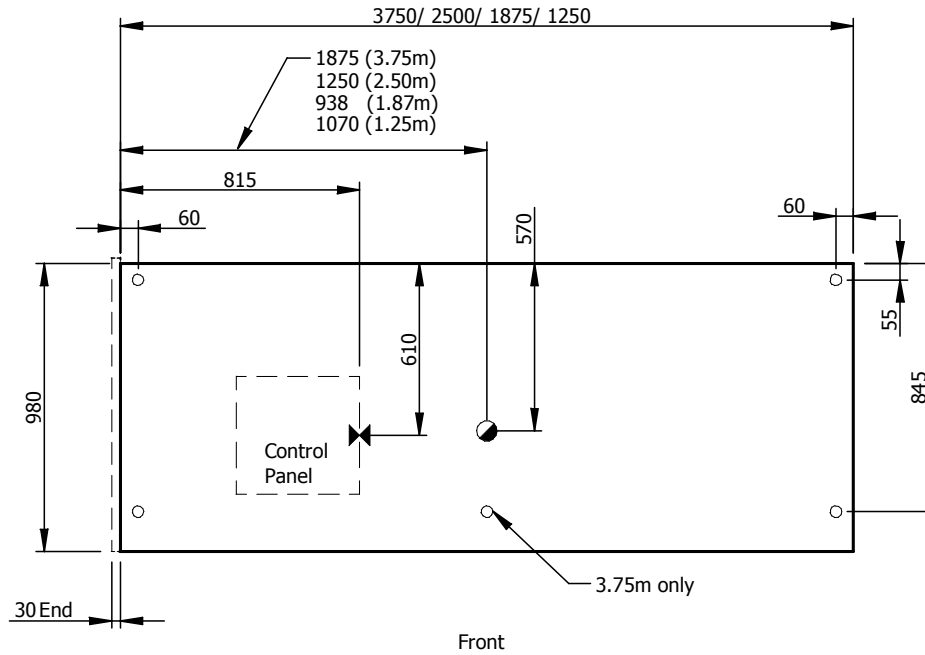
Section Drawing – IC1



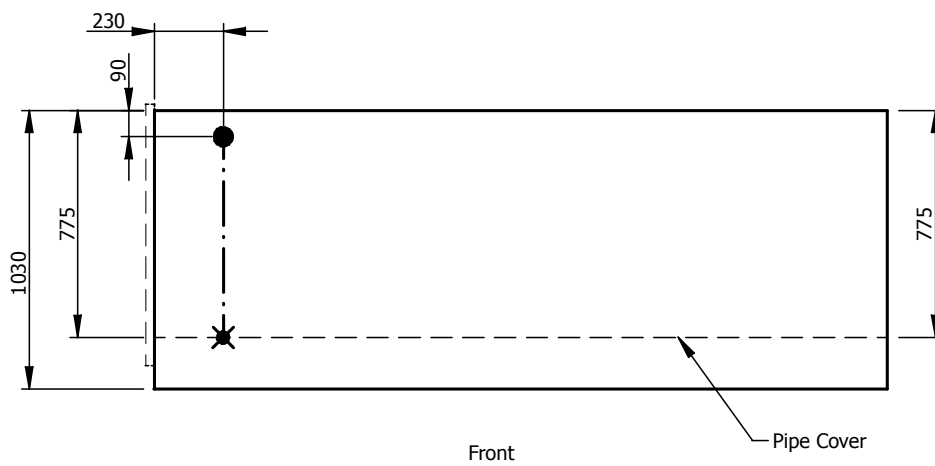
Ref:- DS1079-01

Plan Drawing – IC1

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



Plan of Base

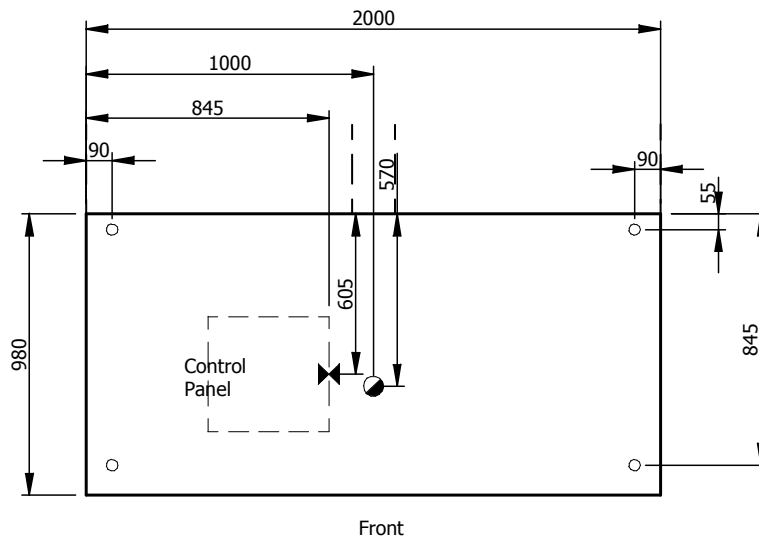


Plan of Top

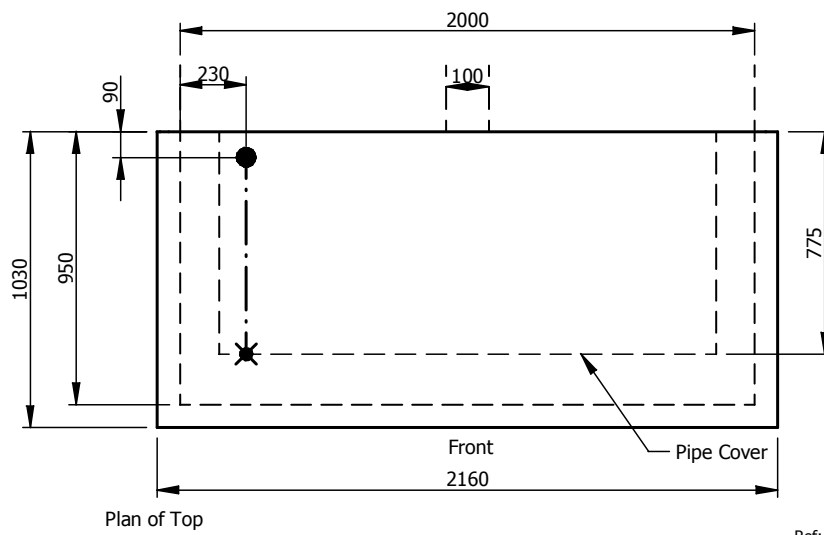
Ref DP1079-01

Plan Drawing – IC1 WAE

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



Plan of Base



Plan of Top

Ref:- DW1079-01