CARTER
RETAIL EQUIPMENT LTD

Cabinet Type	**Multideck Full Height**
Model Designation	**HE1**
File Reference	1105

Document Issue				
	1	20.02.09	IG	First Issue
	2	04.03.09	AG	Provisional
	3	20.08.09	AG	Plan Drawing Added

cabinet **TECHNICAL DATA**

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Cabinet Technical Data Sheet – HE1

Product Type	Chilled Produce 3M1 / Cooled Produce 3H1
Product Temperature	-1 /+5 °C / (+1 /+10 °C)
Maximum Design Ambient	25ºC @ 60%RH

Case Length [m]	3.75	2.50	1.87	1.25

Refrigeration Data

	3.75	2.50	1.87	1.25
Refrigeration Duty (per 24hrs) [kW] ISO3	6.04	4.03	3.02	2.02
Refrigeration Duty (per 24hrs) [kW] ISO0	4.84	3.22	2.42	1.61
Evaporating Temperature [°C]	-7	-7	-7	-7
Nett Environment Cooling Effect [kW]	3.63	2.42	1.81	1.21
R404A AKV Expansion Valve Size	No6	No6	No5	No4
R404A T2 Orifice Size	No4	No3	No3	No2
Evaporator Liquid Capacity @ 25% R404A* [kg]	5.6	3.1	2.8	1.7
Refrigeration Pipe Tail – Liquid	3/8″	3/8″	3/8″	3/8″
Refrigeration Pipe Tail – Suction	7/8″	7/8″	7/8″	7/8″

Electrical Data (@ 230V 50Hz)

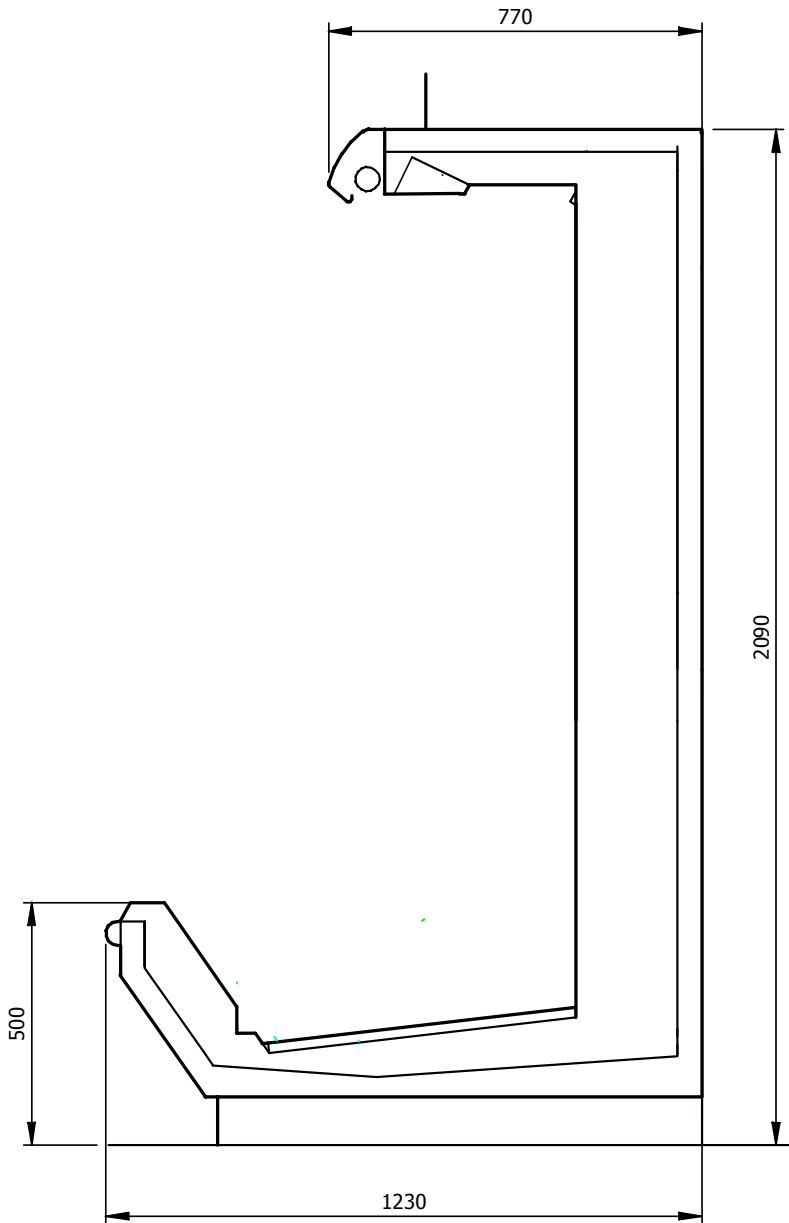|	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps
Fans (EC EBM)	42	0.18	28	0.12	21	0.09	14	0.06
Solenoid Valve / Controller	10	0.04	10	0.04	10	0.04	10	0.04
Maximum Load – Off Cycle Defrost	52	0.23	38	0.17	31	0.13	24	0.10

Miscellaneous Data

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

Set-Up Data** O/C Defrost

	Chilled	Cooled
Cut in Temperature [°C]	1	5
Differential [K]	0.5	0.5
N° Defrosts (per 24hrs)	8	8
Maximum Defrost Time [mins]	40	40
Defrost Termination Temp (air off) [°C]	9	9
Drain Down Time [mins]	1.5	1.5
Fans in Defrost	On	On
Cabinet Temperature Ratio (%)	40	40
Superheat [K]	4	4
Config. –Control Method	Cycle	Cycle

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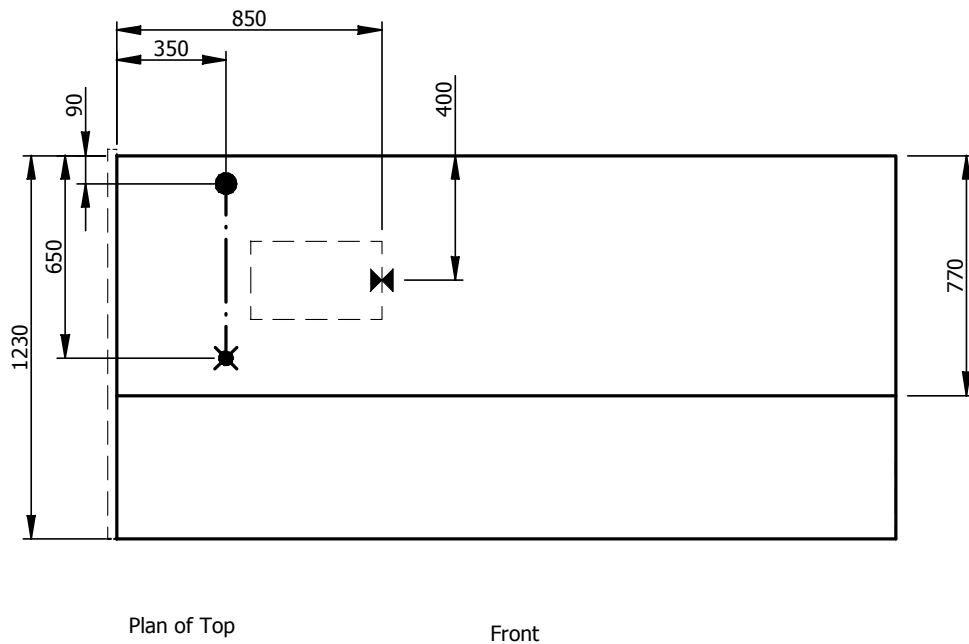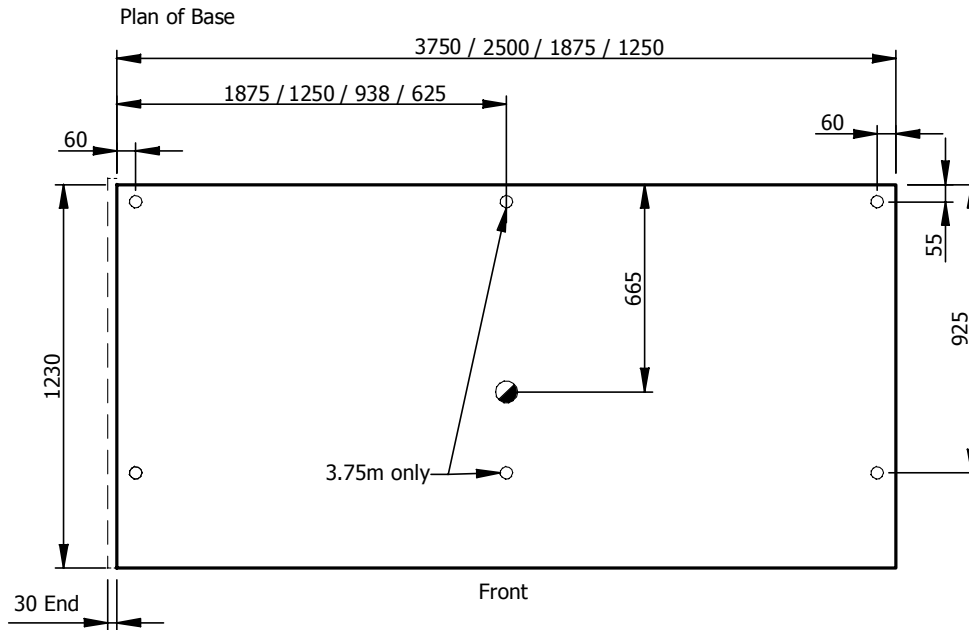** Set-up data is for guidance only. Final settings to be determined by commissioning contractor.

Section Drawing – HE1

770

2090

500

1230

Ref:- DS1105-01

Plan Drawing –HE1

KEY
○ Feet Positions
● Refrig. Outlets
◐ Drain Outlets
⊗ Elect. Outlets
▶◀ Mains Supply

Plan of Base

3750 / 2500 / 1875 / 1250

1875 / 1250 / 938 / 625

60

60

55

925

665

1230

3.75m only

Front

30 End

850

350

90

400

650

1230

770

Plan of Top

Front

Ref:- DP1105-01