

Case Type

Full Height Glass Door

Model Designation

FD1

File Reference

1099

Document Issue

1	10.02.09	AG	First Issue
2	03.07.09	AG	Dims added to Drawing Views
3	01.12.09	IG	Defrost termination revised evap coil only
4	29.05.12	LRC	Defrost Number changed

cabinet **TECHNICAL DATA**

Cabinet Technical Data Sheet – FD1

Product Type	Frozen Food / 3L1
Product Temperature	-18°C
Maximum Design Ambient	25°C @ 60%RH

Case Length [m]	5 Dr (3.90)	4 Dr (3.12)	3 Dr (2.34)	2 Dr (1.56)
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Refrigeration Data

Refrigeration Duty (per 24hrs) [kW]	2.53	2.02	1.52	1.02
Evaporating Temperature [°C] - L1	-34	-34	-34	-34
Evaporating Temperature [°C] - L2	-31	-31	-31	-31
R404A AKV Expansion Valve Size	No5	No4	No4	No3
R404A T2 Orifice Size	No3	No3	No2	No1
Evaporator Liquid Capacity @ 25% R404A [kg]	3.40	2.69	1.98	1.28
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
Defrost Heaters	4900	21.3	3800	16.5	2750	11.9	1700	7.4
Fans (EC EBM)	35	0.15	28	0.12	21	0.09	14	0.06
Trim Heaters (Max)	1325	5.76	1050	4.57	680	2.96	550	2.39
Solenoid Valve / Controller	10	0.04	10	0.04	10	0.04	10	0.04
Lights (Aura)	210	0.91	175	0.76	140	0.61	105	0.46
End Case Glazed Heater***								
Maximum Load – Electric Defrost	6480	28.2	5063	22.0	3601	15.7	2379	10.3

Electrical Data (@400V 3ph 50Hz)

	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Maximum Load – Electric Defrost	8	11	11	6.5	8.5	8.5	4.5	6	6	4	4	4

Miscellaneous Data

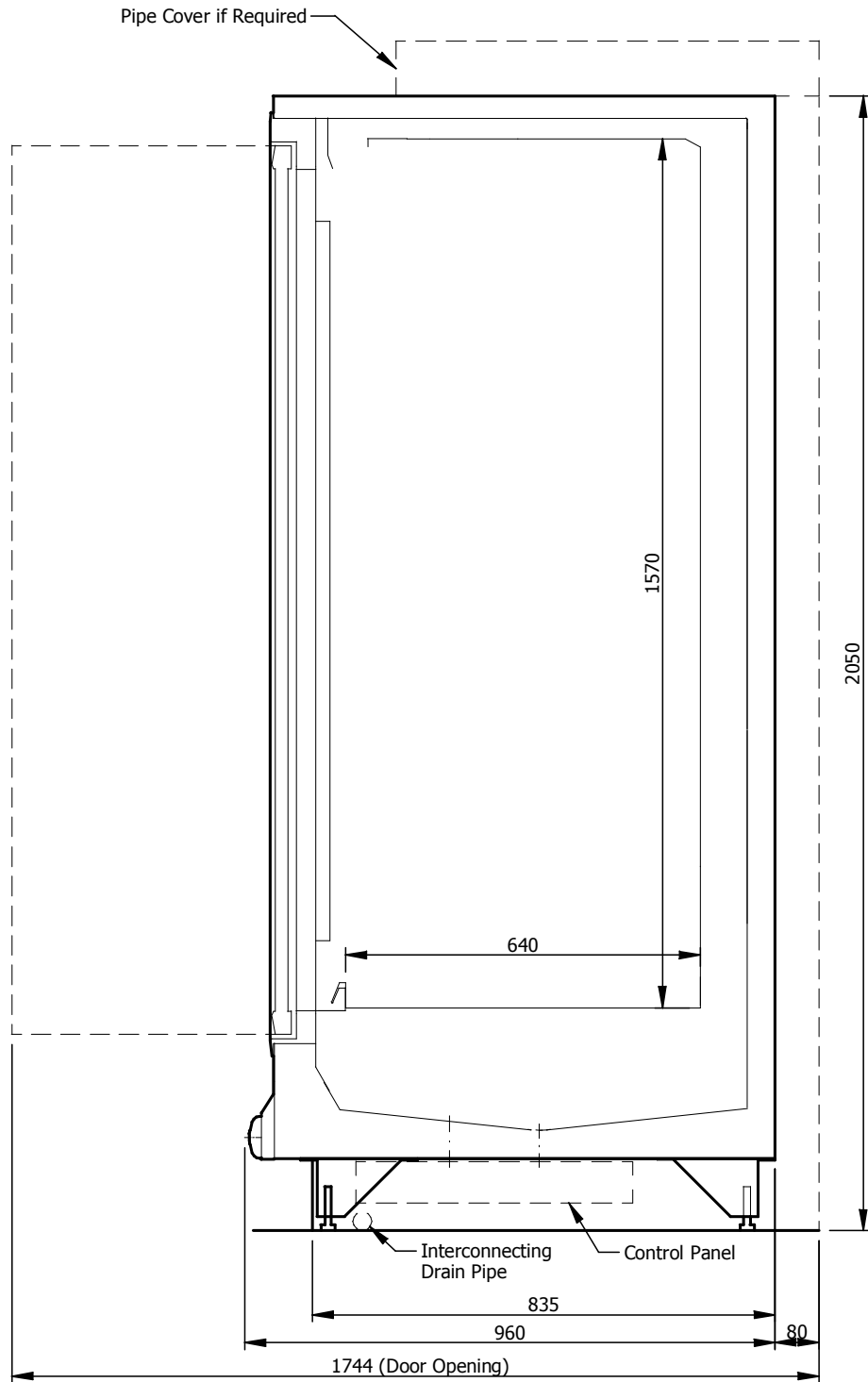
Refrigeration Connections	Bottom LHS
Electrical Connection	Bottom LHS

Set-Up Data**

	Electric Defrost
Cut in Temperature [°C]	-22
Differential [K]	2
N° Defrosts (per 24hrs)	2
Maximum Defrost Time [mins]	60
Defrost Termination Temp (coil probe) [°C]	1
Drain Down Time [mins]	2
Fans in Defrost	OFF
Cabinet Temperature Ratio (%)	50
Superheat [K]	4
Temp to Turn Fan ON After Defrost [°C]	-15
Time to Turn Fan ON After Defrost [min]	10

NOTES! ** Set-up data is for guidance only. Final settings to be determined by commissioning contractor.
 *** If End Case ADD 143W (0.62A) per Cabinet for End Glazed units.

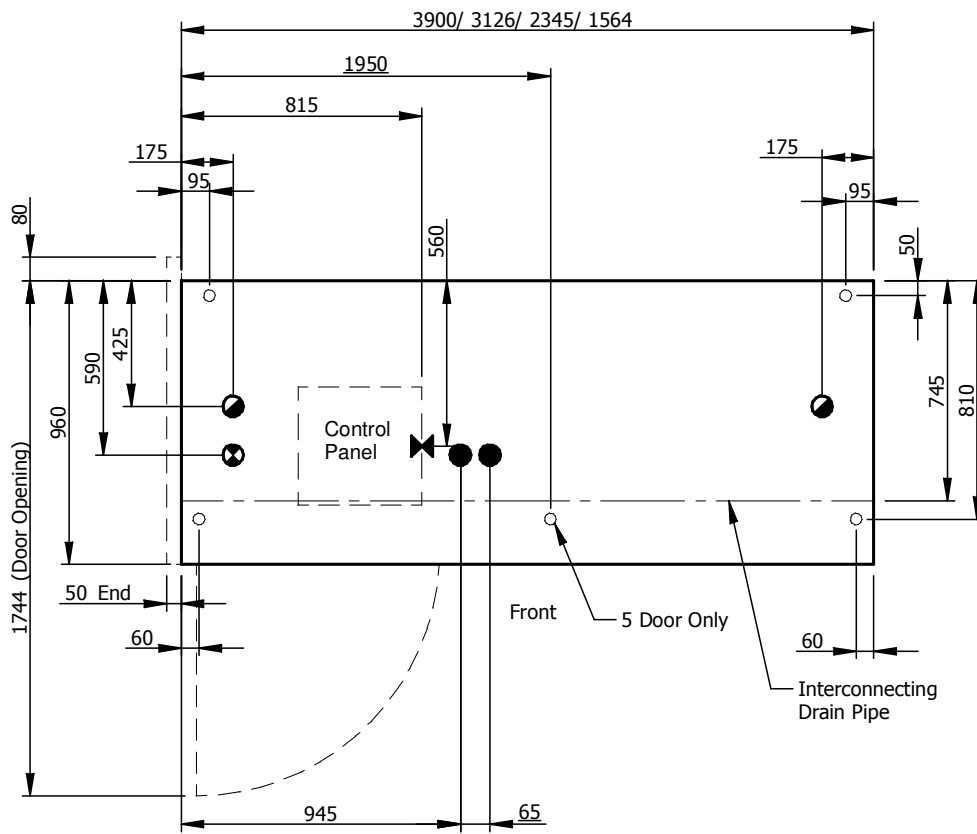
Section Drawing – FD1



Ref:- DS1099-02

Plan Drawing – FD1

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



Plan of Base

Ref:- DP1099-02