

Case Type

Full Height Glass Door

Model Designation

FDG

File Reference

1224

Document Issue

| | | | |
|---|----------|-----|---------------------------------|
| 1 | 16.08.12 | LRC | First Issue |
| 2 | 19.02.13 | GR | Shelf Detail Added |
| 3 | 10.05.13 | LRC | Updated Evaporating Temperature |

cabinet **TECHNICAL DATA**

Cabinet Technical Data Sheet – FDG

| | |
|------------------------|-------------------|
| 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) |
|-----------------|-------------|-------------|-------------|-------------|
|-----------------|-------------|-------------|-------------|-------------|

Refrigeration Data

| | | | | |
|---------------------------------------------|------|------|------|------|
| Refrigeration Duty (per 24hrs) [kW] | 2.50 | 1.99 | 1.49 | 0.99 |
| Evaporating Temperature [°C] | -32 | -32 | -32 | -32 |
| 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 (LED) | 150 | 0.65 | 125 | 0.54 | 100 | 0.43 | 75 | 0.33 |
| Maximum Load – Electric Defrost | 6420 | 27.9 | 5013 | 21.77 | 3561 | 15.42 | 2349 | 10.22 |

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 | 3.5 | 4 | 4 |

Miscellaneous Data

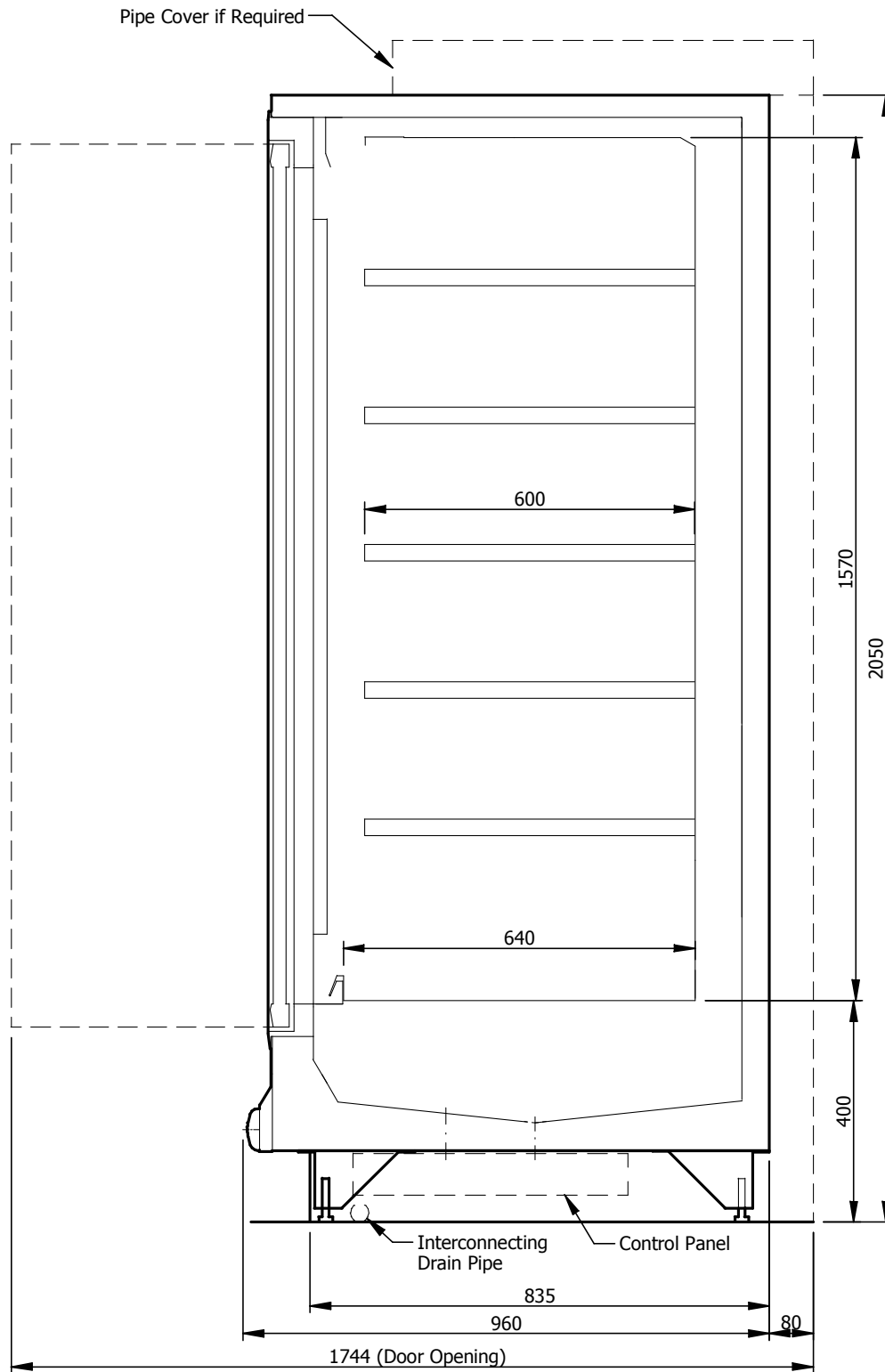
| | |
|---------------------------|--------------------------|
| Refrigeration Connections | Top of Cabinet LHS |
| Electrical Connection | Underside of Cabinet LHS |

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 (slow speed 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 only.

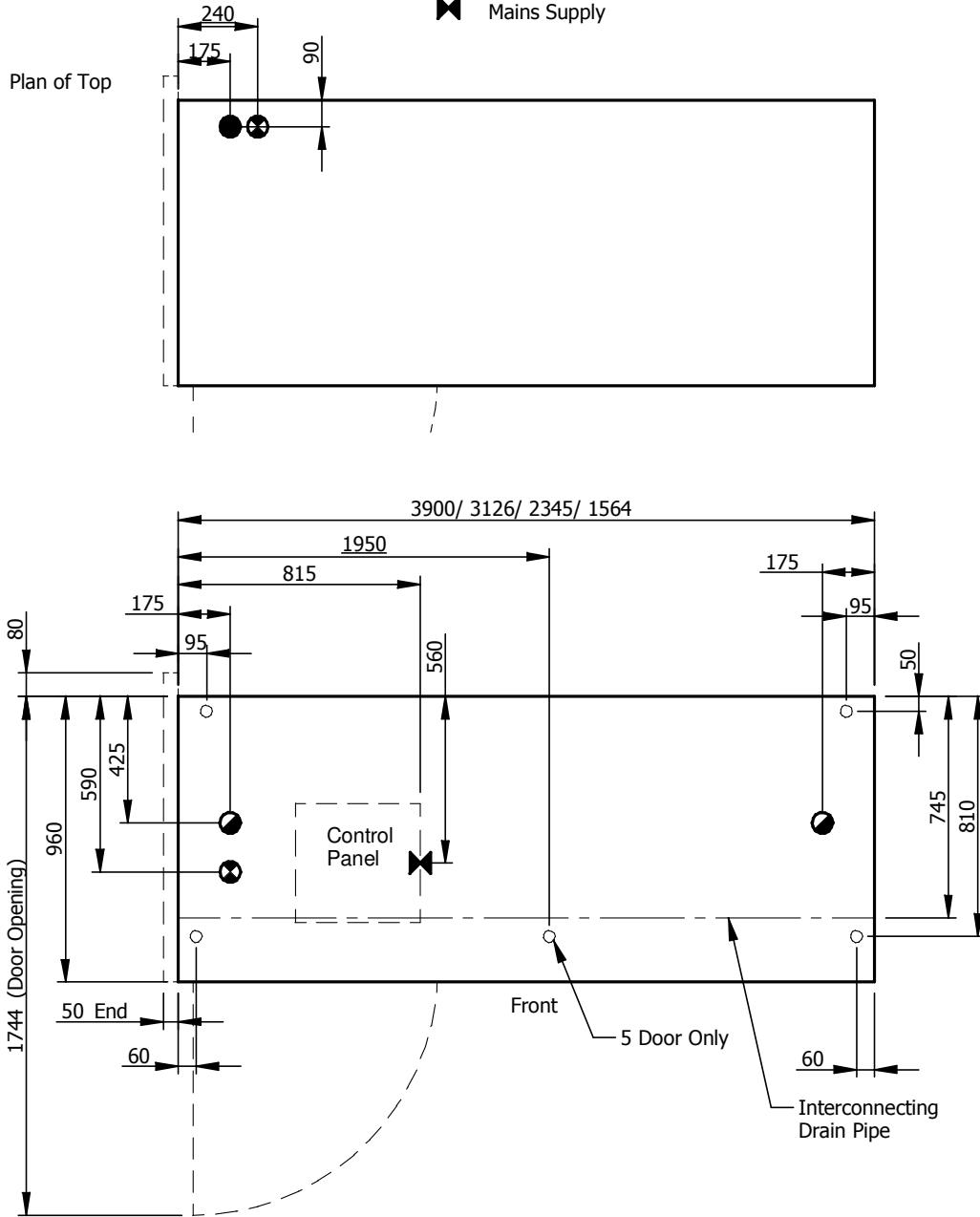
Section Drawing – FDG



Ref:- DS1157-01

Plan Drawing – FDG

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



Plan of Base

Ref:- DP1157-01