

| | | | | |
|--------------------------|-------------------------------|----------|-----|---------------------------------|
| Case Type | Full Height Glass Door | | | |
| Model Designation | FDK | | | |
| File Reference | 1232 | | | |
| Document Issue | 1 | 02-01-13 | LRC | First Issue |
| | 2 | 10.05.13 | LRC | Updated Evaporating Temperature |

cabinet **TECHNICAL DATA**

Cabinet Technical Data Sheet – FDK

| | |
|------------------------|-------------------|
| 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 | 11.95 | 1700 | 7.4 |
| Fans (EC EBM) | 35 | 0.15 | 28 | 0.12 | 21 | 0.09 | 14 | 0.06 |
| Trim Heaters (Max) | 615 | 2.67 | 576 | 2.5 | 380 | 1.65 | 288 | 1.25 |
| 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 | 5710 | 24.81 | 4539 | 19.7 | 3261 | 14.16 | 2087 | 9.08 |

Electrical Data (@400V 3ph 50Hz)

| | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 |
|---------------------------------|-----|----|----|-----|-----|-----|-----|----|----|-----|----|----|
| Maximum Load – Electric Defrost | 3.5 | 11 | 11 | 3.2 | 8.5 | 8.5 | 2.2 | 6 | 6 | 1.7 | 4 | 4 |

Miscellaneous Data

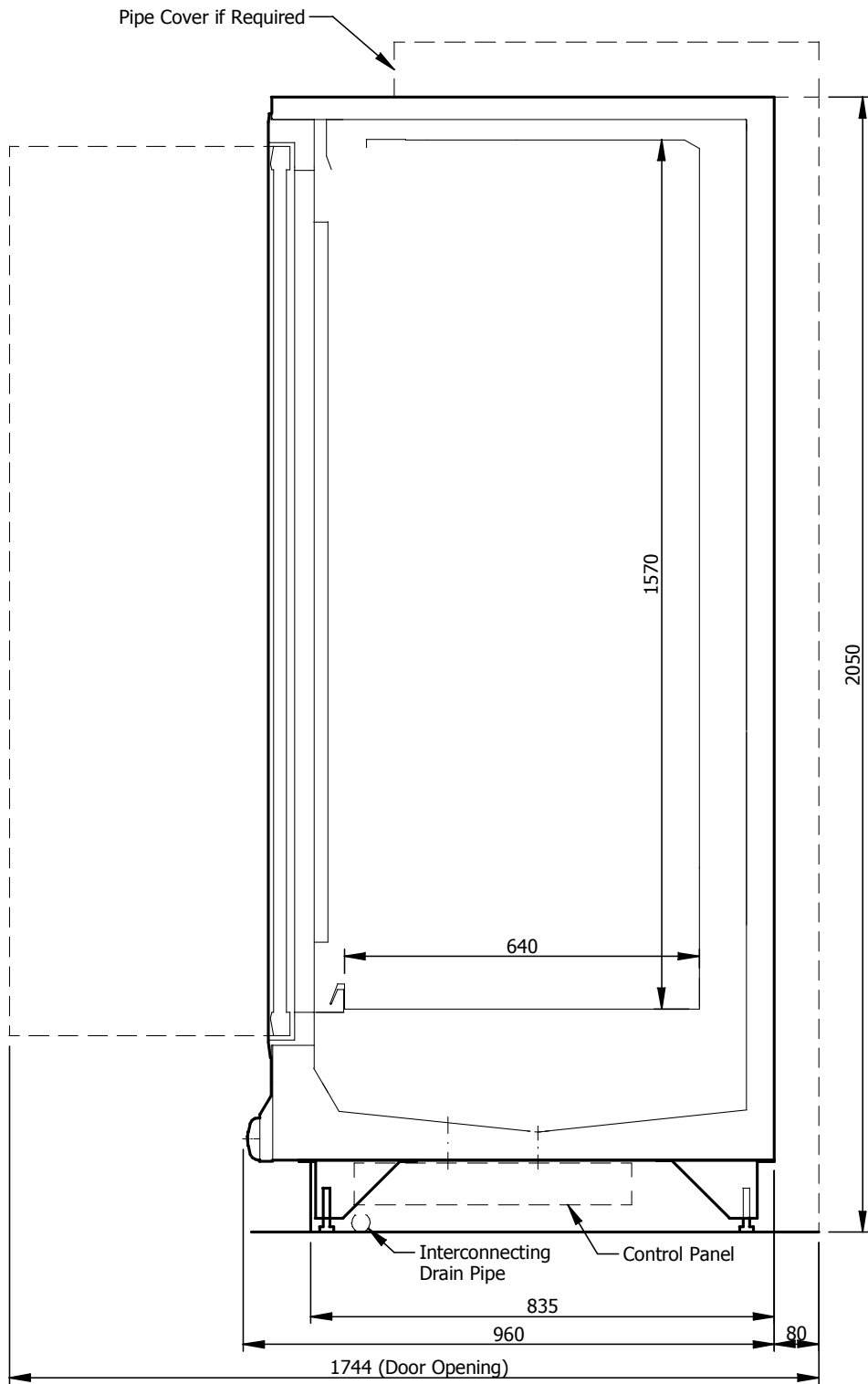
| | |
|---------------------------|--------------------------|
| Refrigeration Connections | Top of Cabinet LHS |
| Electrical Connection | Underside of Cabinet LHS |

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.

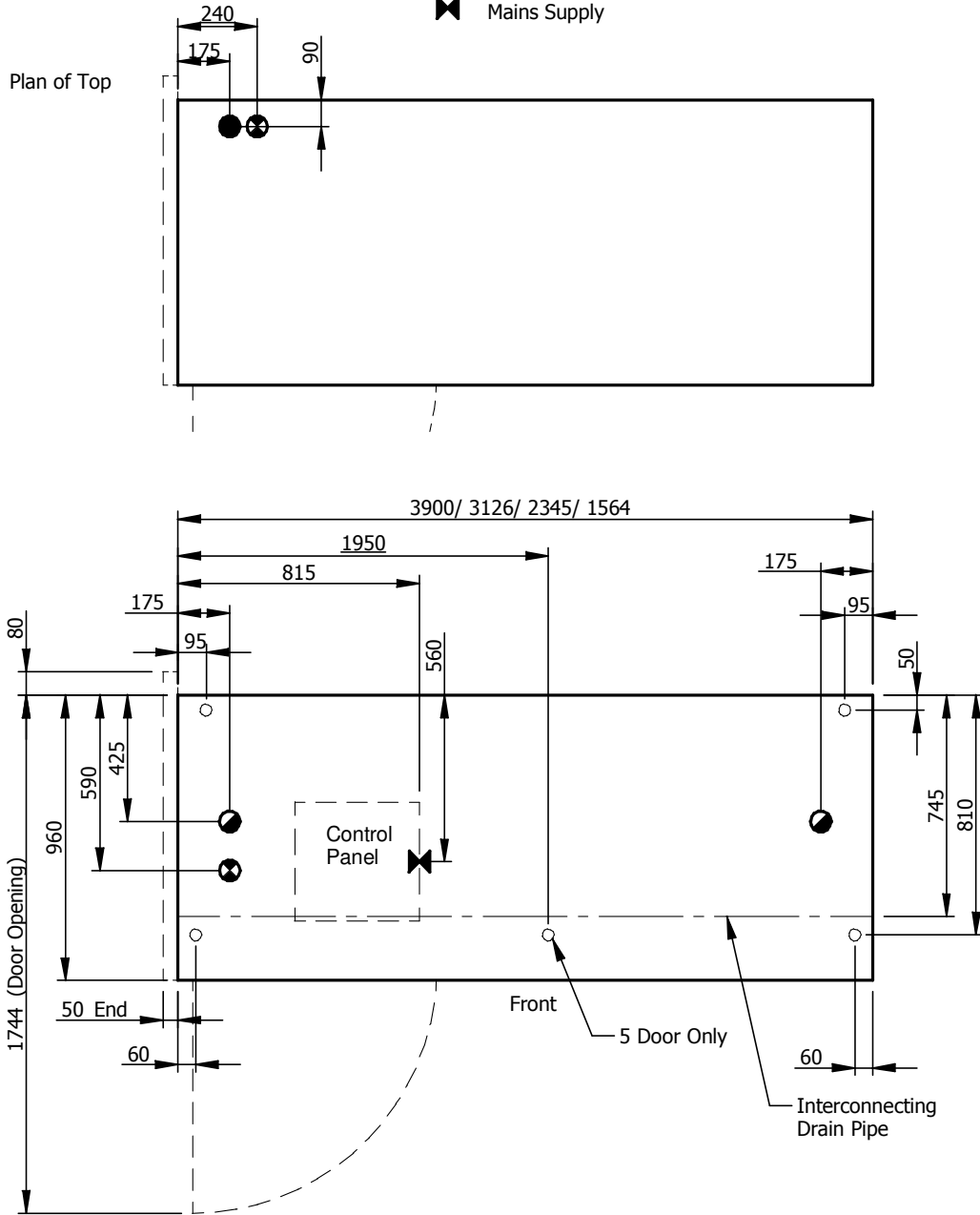
Section Drawing – FDK



Ref:- DS1157-01

Plan Drawing – FDK

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



Plan of Base

Ref:- DP1157-01