

|                          |                               |          |     |                     |
|--------------------------|-------------------------------|----------|-----|---------------------|
| <b>Case Type</b>         | <b>Full Height Glass Door</b> |          |     |                     |
| <b>Model Designation</b> | <b>FDJ</b>                    |          |     |                     |
| <b>File Reference</b>    | 1230                          |          |     |                     |
| <b>Document Issue</b>    | 1                             | 18-12-12 | LRC | First Issue         |
|                          | 2                             | 21-03-14 | LRC | Updated Phase loads |

cabinet **TECHNICAL DATA**

## Cabinet Technical Data Sheet – FDJ

|                        |                   |
|------------------------|-------------------|
| 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]               | -31   | -31  | -31  | -31  |
| R744 AKV Expansion Valve Size              | No3   | No2  | No2  | No1  |
| Evaporator Liquid Capacity @ 25% R744 [kg] | 2.92  | 2.31 | 1.70 | 1.10 |
| Evaporator Liquid Capacity @ 90% R744 [kg] | 10.50 | 8.32 | 6.14 | 3.95 |
| Refrigeration Pipe Tail – Liquid           | 3/8"  | 3/8" | 3/8" | 3/8" |
| Refrigeration Pipe Tail – Suction          | 1/2"  | 1/2" | 1/2" | 1/2" |

### 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)              | 615   | 2.67  | 576   | 2.50 | 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  | 14.11 | 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 |

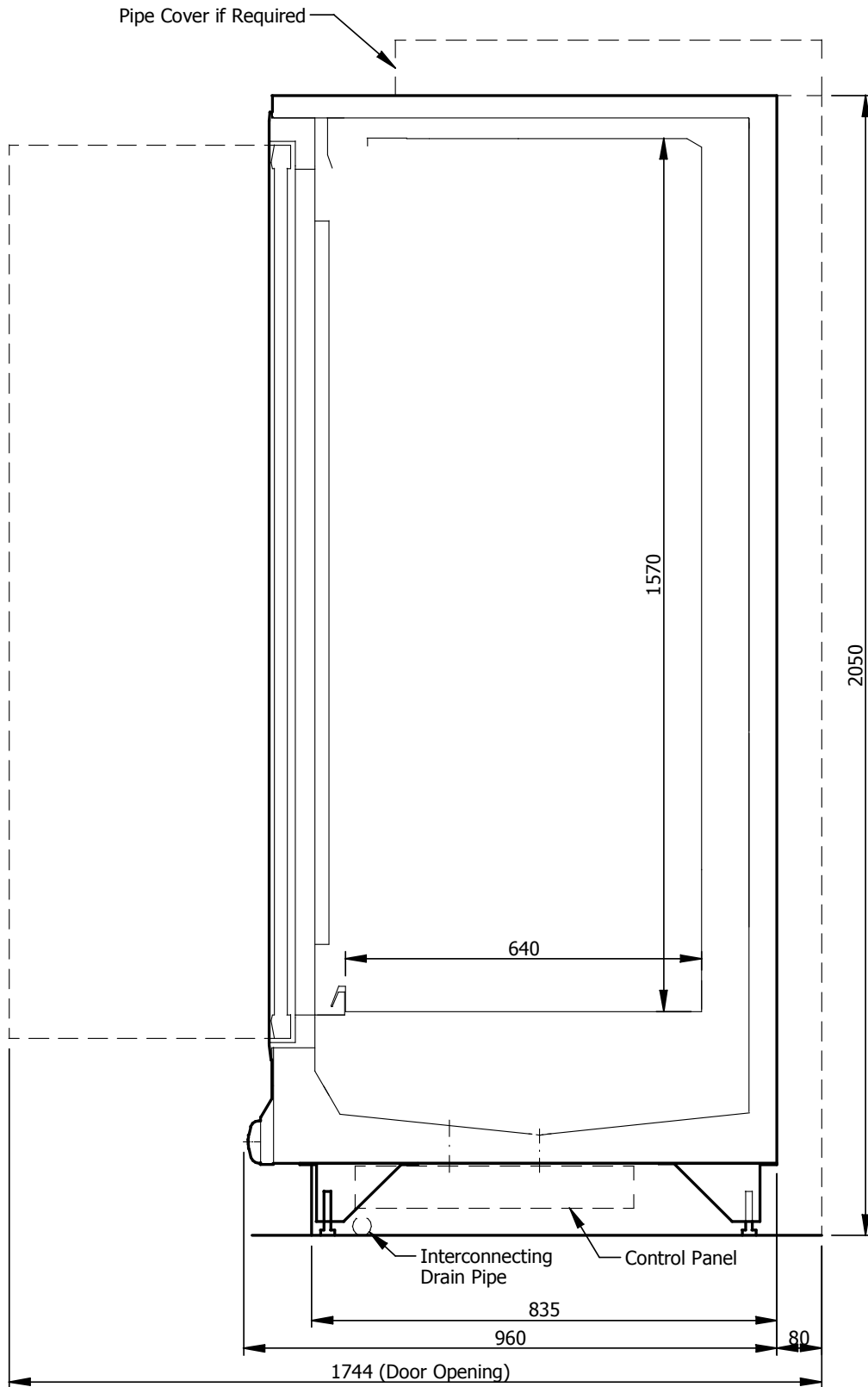
### Set-Up Data\*\*

#### 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.

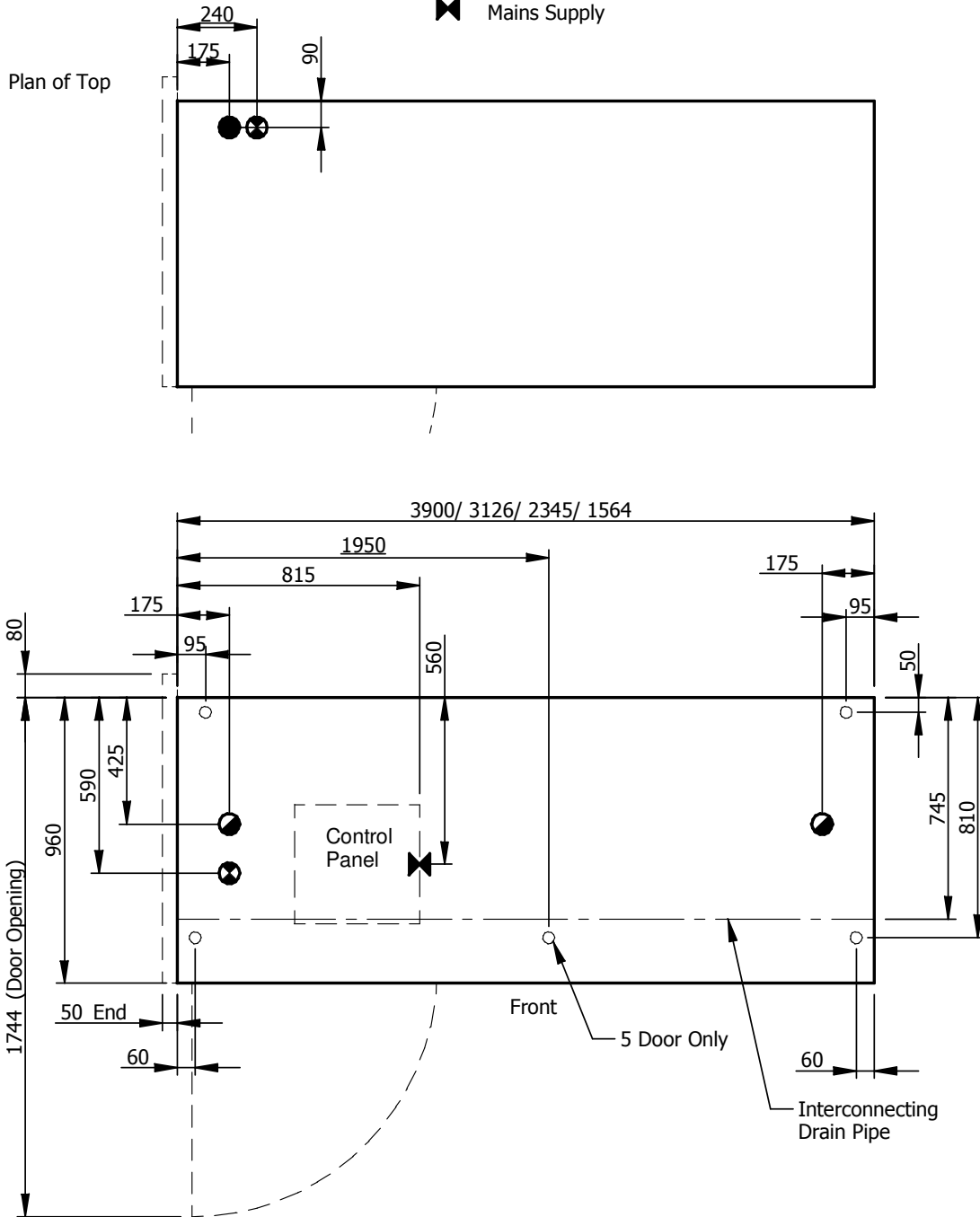
**Section Drawing – FDJ**



Ref:- DS1157-01

**Plan Drawing – FDJ**

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



Plan of Base

Ref:- DP1157-01